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Phase 1
Geo-environmental Report

ON

PROPOSED RESIDENTIAL DEVELOPMENT

AT

140a Manchester Road,
Huddersfield HD1 3JA

FOR

Mr M Parker

Mar' 2024

E24/8164/R001

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1.0 INTRODUCTION

1.1 This report is commissioned to examine the risk of contamination for the above site in line with the recommendations of Part II of the Environmental Protection Act 1990 PPS 23. It is based on information provided by both the client and statutory bodies in both written and verbal format. It is assumed that all information given is correct and factual at the time of writing this report. No liabilities can be accepted for information provided by third parties and subsequently found to be in error.

2.0 THE SITE

2.1 The site is located to the north of Manchester Road, Huddersfield HD1 3JA and is situated around Ordnance Survey grid reference 413680, 416216. A site location plan is included in Appendix A.

2.2 The development consists of the re-development of the site to accommodate a new student accommodation block. The area of the development is approximately 0.12ha.

2.3 The site consists of a 140A which is accessed via a sloping tarmac drive directly from Manchester Road. The remainder of the site is steeply sloping grasses area with a number of mature trees. A timber summerhouse is located in the upper northeastern corner of the site with a raised flagged patio area to the front. The Summerhouse has been removed however the foundations and flagging remain.

2.4 There is a retaining wall to the rear of the building with a metal walkway providing access to the higher ground.

2.5 A green plastic presumably water tank is located adjacent to the western boundary, at the rear of the property. The tank is situated on an elevated platform. The tank appears to be in good condition with no evidence spillage.

2.6 The topographical survey for the site shows it to be steeply sloping with ground levels adjacent to Manchester Road at 76.5m, and rising to the highest levels at the northern boundary of 84m. This would suggest a site gradient of 1 in 5.6.

2.7 Site record photographs are contained in Appendix C.

3.0 SITE HISTORY

A number of historical Ordnance Survey plans from 1854-2023 have been consulted. These are contained for reference within Appendix C to the rear of the report. Below is a brief description outlining the significant developments that may affect future construction of the site.

Date	Historical uses on site	Historical findings within 100m perimeter of the site	Historical findings further than 100m perimeter of the site
1854	i) The area to be developed is undeveloped	i) Highway is shown to the south of the site. ii) Residential properties to the north. iii) Canal slightly further to the south.	i) Railway line in cutting to the north of the site. ii) Unidentified Mills indicated beyond the canal to the south.
1890-1907	i) The site appears to be cultivated garden and associated use for the vicarage to the north.	i) Tramway indicated running within the road to the south. ii) Properties to the north labelled as vicarage. iii) Building constructed to the east.	i)As above. ii) Railway sidings extended to the north iii) Mills indicated as wollen to the south. iv) Iron works indicated 250m distant.
1918-1932	i) As above	i) Building to the east labelled as club.	i) Iron works no longer indicated. ii) Motor /transport engineering works to the south.
1960	i) residential property constructed in the southwestern corner of the site. ii) Garden area to the rear – link to the vicarage removed	i) No significant developments within 100m of the proposed extension.	i) No significant developments with 500m of the site.
1983-86	i) As above.	i) No significant developments within 100m of the proposed extension.	i) Motor /Transport works re-labelled as depot.
1993	i) As above	i) No significant developments within 100m of the proposed extension.	i) No significant developments with 500m of the site.
2010-2024	i) As above.	i) No significant developments within 100m of the proposed extension.	i) No significant developments with 500m of the site.

4.0 SITE GEOLOGY & MINING/QUARRYING

4.1 The BGS Geological Map of Great Britain SE11NW "Huddersfield" at 1:10,000 has been consulted, as well as the online Geoshore Index, and we would report as follows:-

4.2 No artificial or superficial strata is shown overlying the site.

4.3 The site is shown to be underlain by the Pennine Middle Coal Measures formation consisting of Mudstone, Siltstone and Sandstone.

4.4 There are no faults affecting the site.

4.5 There are a number of boreholes and trial pits located 40-60m to the south of the site near the canal. These generally indicate made ground to 2.5m consisting of reworked sands and gravels with underlying alluvial deposits.

4.6 Due to the steepness of the site the Groundsure report has highlighted that the ground is subject to a moderate risk of slope stability and may have occurred in the past.

4.7 The Groundsure data indicates the site to be outside of any identified any mining or local ground workings which may be a hazard to the future development of the site.

4.8 The Coal Authority Interactive Map Viewer shows that the site lies outside the development high risk area. There are no coal outcrops or mine entries shown in the vicinity of the site.

5.0 ENVIRONMENTAL CONSIDERATIONS

5.1 Radon

The site is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

No Radon Protective Measures are necessary. However, a number of warranty providers consider it good practice to provide basic radon protective measures as standard and they should be consulted at an early stage to confirm their requirements.

5.2 Landfill Sites

The Groundsure Report has checked datasets for both current and historic landfills and none are indicated to be within 250m of the site.

5.3 Flood Risk

The Flood Premium Plus Planning Report provided by the client indicates the site is not in an area at risk of flooding from rivers or the sea. The site is not located in an Environment Agency designated Flood Zone.

5.4 Groundwater

The bedrock underlying the site is classed as a Secondary A Aquifer. These are 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.

The site is not located in a Source Protection Zone.

The nearest recorded surface water feature to the site is an open watercourse located 80m to the west.

6.0 PRELIMINARY CONCEPTUAL SITE MODEL

6.1 The initial stage in assessing the risks posed from contaminated land during the redevelopment of a site is to prepare a conceptual model. A generalised conceptual model can be developed highlighting the main pollutant linkages through a contaminant ► pathway ►receptor model for a residential development. In order to prepare the conceptual model for a particular site the following parameters need to be reviewed as discussed below.

6.2 Contamination of existing land can be caused by a number of factors, including:-

i) Possible historical/current industrial activities.

ii) Disposal of waste materials.

iii) Storage of materials.

iv) A number of natural processes can also lead to hazardous gases and elevated heavy metals.

6.3 Potential pathways can include ground and surface water, permeable strata, existing services providing a conduit and voided ground. Potential receptors can include human health, ecosystems, controlled waters and building structures. There are a number of ways that a receptor can be exposed to the contaminant these include, inhalation, direct contact, ingestion, dermal contact and uptake.

6.4 The site has been shown as largely undeveloped since 1854, with a single residential property constructed on site and residential developments immediately adjacent the site. There is therefore considered to be a low risk of ground contamination present.

6.5 Considering the proposed student accommodation end use, there will be two possible human receptor groups exposed to the existing onsite contamination:-

a) Site operatives during development.

b) End users, future site visitors (the critical receptor is a 17 year old female).

6.6 Human receptors may be exposed to site contamination by a number of possible pathways. These pathways are summarised in Table 1 below.

Table 1- Potential Human Exposure Pathways

Human Exposure Pathway	Site Visitors	Construction Workers
Soil Ingestion	YES	YES
Consumption of Home Grown Vegetables	YES	NO
Dermal Contact	YES	YES
Dust Inhalation	YES	YES
Gases/Vapours	YES	NO

6.7 The construction workers will come into contact with any contaminated soil to a far greater extent than future residents. The exposure pathways are generally through dermal contact and indirect ingestion. However their exposure will be for a limited time and the provision and correct use of personnel protective equipment and adequate welfare facilities during construction should restrict their risks to acceptable levels.

6.8 The risk of pollution to controlled waters by existing contamination is considered low. The land has remained undeveloped and the potential for contamination on site is considered low. The nearest open surface water feature is located 80m to the west of the site and the potential for surface water run-off from site to affect the watercourse is considered low.

6.9 No specific areas of ecological importance have been identified in the initial desk top study. Therefore the site is considered to be in a low risk environmental setting. The potential for phototoxic materials to exist at shallow depth should be considered, these could pose a potential risk to new planting and soft landscaping areas within the proposed development.

6.10 The proposed planning drawings show a single detached house with annex, garden and parking areas. The presence of elevated sulphates and hydrocarbons could affect the long term integrity of buried concrete structures, including foundations and drainage pipes. Plastic water supply pipes can also be damaged by the presence of hydrocarbon contamination.

7.0 CONCLUSIONS

7.1 The Desk Top Study has identified no historical uses of the site, or in the vicinity of the site, likely to cause shallow ground contamination. The site is not in a development high risk area with regards to coal mining and there are no landfill sites identified in the vicinity, therefore ground gas migration is not considered a risk to the development of the site. Based on the above, it is considered there is a negligible risk of contamination on site.

7.2 Considering the steep nature of the site and proposed above, we would recommend that Stage II Ground Investigation works are required to confirm the underlying strata for foundation and retaining wall construction for the proposed residential property.

7.3 Topsoil and subsoils should be tested, and any suspected areas of contamination be identified during site works, samples should be taken and tested for metals, metalloids, EPA 16 PAHS and asbestos. Additional hydrocarbon testing should be undertaken in the vicinity of the external tank.

7.4 Samples of any clays encountered should be submitted for geotechnical analysis to determine the volume change potential and effect it will have on the proposed foundations.

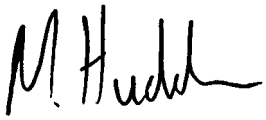
7.5 Boreholes should be undertaken to determine the strength of the strata at formation level and to enable measurements of the water table across the site.

7.6 If any contamination is found, a site remediation report should outline the most effective method of dealing with the contamination and any validation requirements.

Prepared by

M. Dean. BSc (Hons) HND

Checked by



M. Huddleston. MEng

April 2024

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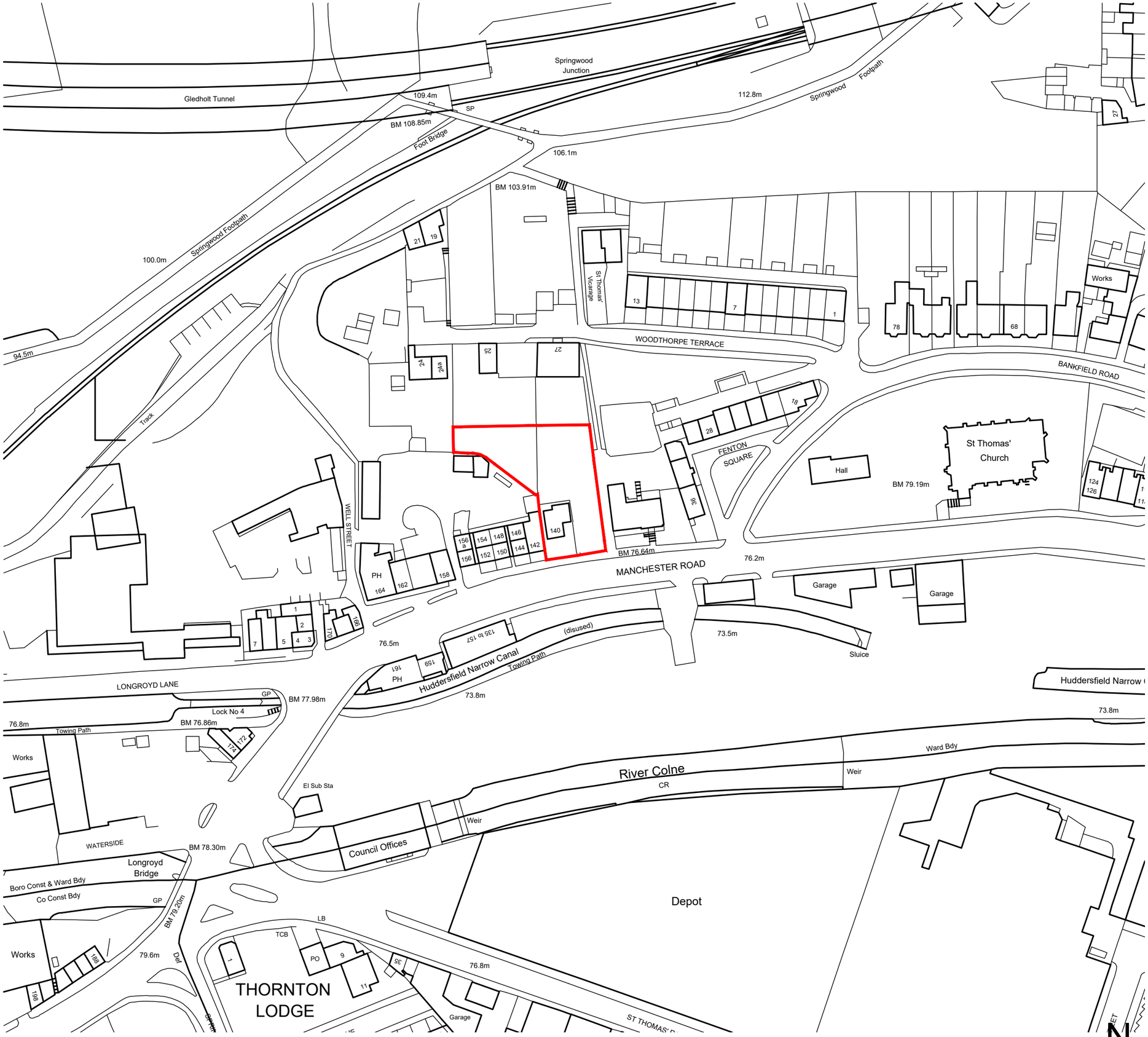
APPENDIX A

LOCATION PLAN



LOCATION PLAN

Scale 1:1250

Do not scale from this drawing. Use figured dimensions only.

Contractors to verify all dimensions on site before commencing any work or shop drawings.

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Rev	Description	Date	By	App'd
-	-	-	-	-

Project Proposed Student Accommodation 140A Manchester Road		Project no 23-003	Date 20/12/23
Drawing Title Location Plan as Existing -		Scale @ A3 1:1250	Drawn by -	Appr. by -
Client M. Parker -		Drawing no EX0001	Rev -

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APPENDIX B

EXISTING SITE SURVEY

SITE PLAN Scale 1:100 0 5m 10m

AS EXISTING

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Rev	Description	Date	By	App'd
-	-	-	-	-
-	-	-	-	-

Project Proposed Student Accommodation 140A Manchester Road -	Project no 23-003	Date 20/12/23
Drawing Title General Information as Existing -	Scale @ A1 As Shown	Drawn by MO Appr. by -
Client M. Parker -	Drawing no EX0003	Rev -

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APPENDIX C

PROPOSED SITE PLANS

SITE PLAN Scale 1:100

AS PROPOSED

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Rev	Description	Date	By	App'd
C	General Updates	15/04/24	MO	-
B	General Updates	02/04/24	MO	-
A	General Updates	13/03/24	MO	-

Project	Project no	Date
Proposed Student Accommodation 140A Manchester Road	23-003	20/01/24

Drawing Title	Scale @ A1	Drawn by	Appr. by
Site Plan as Proposed -	As Shown	MO	-

Client	Drawing no	Rev
Manchester Road Projects Ltd. -	AL0003	C

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APPENDIX D

GROUNDSURE REPORT

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

140A Manchester Road

Order Details

Date: 19/03/2024

Your ref: 8164

Our Ref: GS-U1V-BFQ-NP8-Q5U

Site Details

Location: 413680 416216

Area: 0.12 ha

Authority: Kirklees Council ↗

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Summary of findings p. 2 >

Aerial image p. 9 >

OS MasterMap site plan p.13 >

groundsure.com/insightuserguide ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	0	4	43	34	-
18 >	1.2 >	Historical tanks >	0	0	0	16	-
19 >	1.3 >	Historical energy features >	0	0	5	18	-
20	1.4	Historical petrol stations	0	0	0	0	-
20 >	1.5 >	Historical garages >	0	1	7	6	-
21	1.6	Historical military land	0	0	0	0	-
Page	**Section**	**Past land use - un-grouped >**	**On site**	**0-50m**	**50-250m**	**250-500m**	**500-2000m**
22 >	2.1 >	Historical industrial land uses >	0	6	71	49	-
27 >	2.2 >	Historical tanks >	0	0	0	22	-
28 >	2.3 >	Historical energy features >	0	0	9	39	-
30	2.4	Historical petrol stations	0	0	0	0	-
30 >	2.5 >	Historical garages >	0	2	13	7	-
Page	**Section**	**Waste and landfill >**	**On site**	**0-50m**	**50-250m**	**250-500m**	**500-2000m**
32	3.1	Active or recent landfill	0	0	0	0	-
32	3.2	Historical landfill (BGS records)	0	0	0	0	-
33	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
33	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
33 >	3.5 >	Historical waste sites >	0	0	3	0	-
34 >	3.6 >	Licensed waste sites >	0	0	0	4	-
35 >	3.7 >	Waste exemptions >	0	0	3	11	-
Page	**Section**	**Current industrial land use >**	**On site**	**0-50m**	**50-250m**	**250-500m**	**500-2000m**
37 >	4.1 >	Recent industrial land uses >	0	1	24	-	-
39 >	4.2 >	Current or recent petrol stations >	0	0	0	1	-
40	4.3	Electricity cables	0	0	0	0	-
40	4.4	Gas pipelines	0	0	0	0	-
40	4.5	Sites determined as Contaminated Land	0	0	0	0	-

40	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
40	4.7	Regulated explosive sites	0	0	0	0	-
41	4.8	Hazardous substance storage/usage	0	0	0	0	-
41	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
41	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
41 >	**4.11 >**	**Licensed pollutant release (Part A(2)/B) >**	0	0	4	3	-
43	4.12	Radioactive Substance Authorisations	0	0	0	0	-
43 >	**4.13 >**	**Licensed Discharges to controlled waters >**	0	0	30	13	-
50	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
50	4.15	Pollutant release to public sewer	0	0	0	0	-
50	4.16	List 1 Dangerous Substances	0	0	0	0	-
50	4.17	List 2 Dangerous Substances	0	0	0	0	-
50 >	**4.18 >**	**Pollution Incidents (EA/NRW) >**	0	0	5	2	-
51	4.19	Pollution inventory substances	0	0	0	0	-
52	4.20	Pollution inventory waste transfers	0	0	0	0	-
52	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
53 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
55 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
56 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
57	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
57	5.5	Groundwater vulnerability- local information	None (within 0m)				
58 >	**5.6 >**	**Groundwater abstractions >**	0	0	2	0	24
64 >	**5.7 >**	**Surface water abstractions >**	0	0	0	1	24
71 >	**5.8 >**	**Potable abstractions >**	0	0	0	0	8
72	5.9	Source Protection Zones	0	0	0	0	-
73	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m
74 >	**6.1 >**	**Water Network (OS MasterMap) >**	0	0	6	-	-

75 >	6.2 >	Surface water features >	0	0	6	-	-
75 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
76 >	6.4 >	WFD Surface water bodies >	0	1	1	-	-
76 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
78	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
78	7.2	Historical Flood Events	0	0	0	-	-
78	7.3	Flood Defences	0	0	0	-	-
79	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
79	7.5	Flood Storage Areas	0	0	0	-	-
80	7.6	Flood Zone 2	None (within 50m)				
80	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
81 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
83 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
84	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
85	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
85	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
85	10.4	Special Protection Areas (SPA)	0	0	0	0	0
85	10.5	National Nature Reserves (NNR)	0	0	0	0	0
86 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	1	0
86	10.7	Designated Ancient Woodland	0	0	0	0	0
86	10.8	Biosphere Reserves	0	0	0	0	0
86	10.9	Forest Parks	0	0	0	0	0
87	10.10	Marine Conservation Zones	0	0	0	0	0
87 >	10.11 >	Green Belt >	0	0	0	0	1
87	10.12	Proposed Ramsar sites	0	0	0	0	0

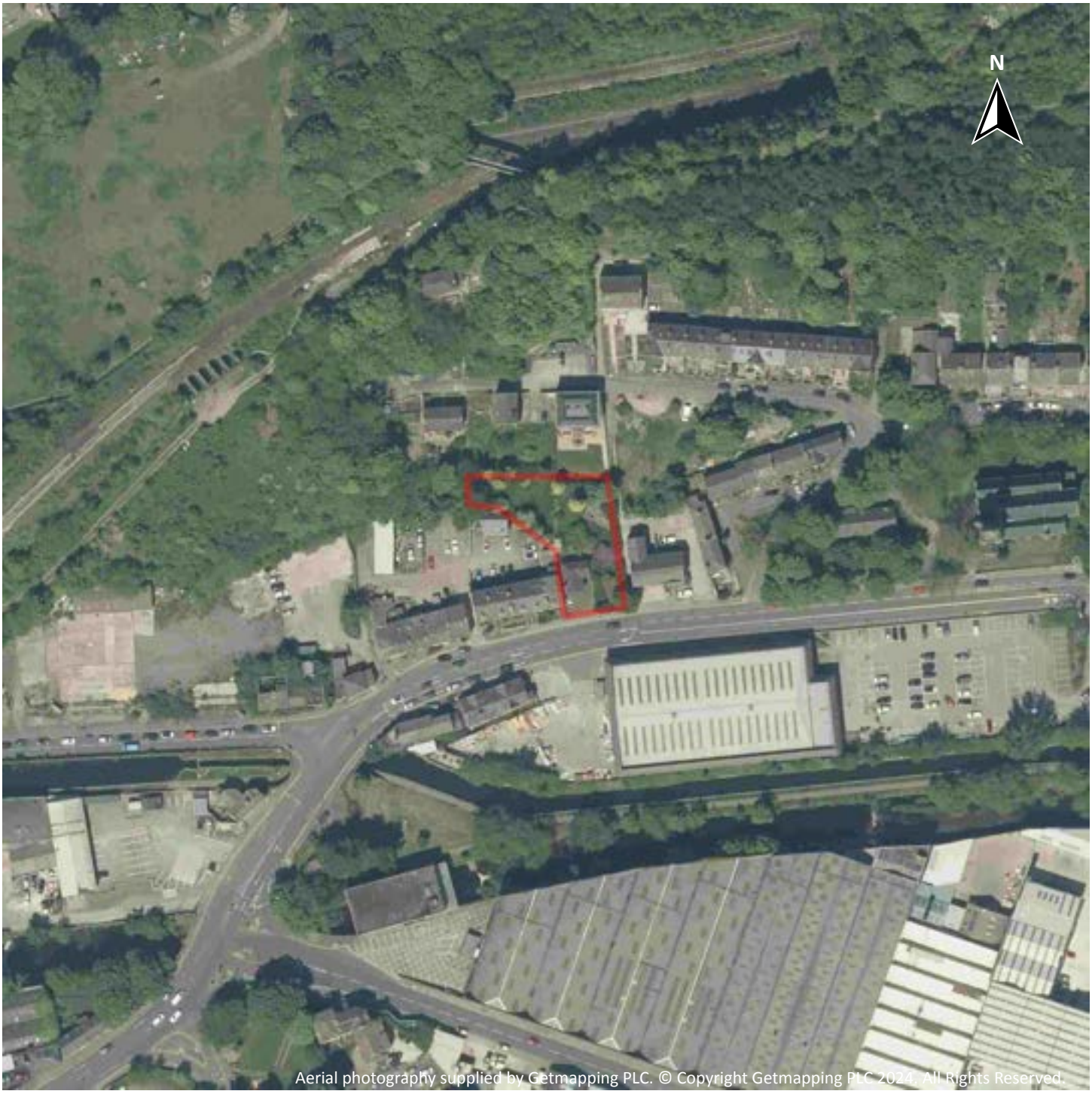
87	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
88	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
88	10.15	Nitrate Sensitive Areas	0	0	0	0	0
88	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
89 >	**10.17 >**	**SSSI Impact Risk Zones >**	1	-	-	-	-
90	10.18	SSSI Units	0	0	0	0	0
Page	Section	**Visual and cultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
91	11.1	World Heritage Sites	0	0	0	-	-
92	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
92	11.3	National Parks	0	0	0	-	-
92 >	**11.4 >**	**Listed Buildings >**	0	4	8	-	-
93	11.5	Conservation Areas	0	0	0	-	-
93	11.6	Scheduled Ancient Monuments	0	0	0	-	-
94	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
95 >	**12.1 >**	**Agricultural Land Classification >**	Urban (within 250m)				
96	12.2	Open Access Land	0	0	0	-	-
96	12.3	Tree Felling Licences	0	0	0	-	-
96	12.4	Environmental Stewardship Schemes	0	0	0	-	-
96	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	**Habitat designations >**	On site	0-50m	50-250m	250-500m	500-2000m
97 >	**13.1 >**	**Priority Habitat Inventory >**	0	1	6	-	-
98	13.2	Habitat Networks	0	0	0	-	-
98 >	**13.3 >**	**Open Mosaic Habitat >**	0	0	1	-	-
98	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
100 >	**14.1 >**	**10k Availability >**	Identified (within 500m)				
101 >	**14.2 >**	**Artificial and made ground (10k) >**	0	1	2	2	-
103 >	**14.3 >**	**Superficial geology (10k) >**	0	1	0	2	-

104	14.4	Landslip (10k)	0	0	0	0	-
105 >	14.5 >	Bedrock geology (10k) >	1	1	3	1	-
106 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	4	1	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
107 >	15.1 >	50k Availability >	Identified (within 500m)				
108 >	15.2 >	Artificial and made ground (50k) >	0	0	0	1	-
109	15.3	Artificial ground permeability (50k)	0	0	-	-	-
110 >	15.4 >	Superficial geology (50k) >	0	1	0	2	-
111 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
111	15.6	Landslip (50k)	0	0	0	0	-
111	15.7	Landslip permeability (50k)	None (within 50m)				
112 >	15.8 >	Bedrock geology (50k) >	1	1	3	1	-
113 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
113 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	2	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
114 >	16.1 >	BGS Boreholes >	0	1	11	-	-
Page	Section	Natural ground subsidence >					
116 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
117 >	17.2 >	Running sands >	Low (within 50m)				
119 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
121 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
122 >	17.5 >	Landslides >	Moderate (within 50m)				
124 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
126 >	18.1 >	BritPits >	0	0	0	1	-
127 >	18.2 >	Surface ground workings >	0	8	23	-	-
128 >	18.3 >	Underground workings >	0	0	24	4	7
130	18.4	Underground mining extents	0	0	0	0	-
130	18.5	Historical Mineral Planning Areas	0	0	0	0	-

130 >	**18.6 >**	**Non-coal mining >**	0	0	1	0	0
131	18.7	JPB mining areas	None (within 0m)				
131	18.8	The Coal Authority non-coal mining	0	0	0	0	-
131	18.9	Researched mining	0	0	0	0	-
131	18.10	Mining record office plans	0	0	0	0	-
132	18.11	BGS mine plans	0	0	0	0	-
132 >	**18.12 >**	**Coal mining >**	Identified (within 0m)				
132	18.13	Brine areas	None (within 0m)				
132	18.14	Gypsum areas	None (within 0m)				
132	18.15	Tin mining	None (within 0m)				
133	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
134	19.1	Natural cavities	0	0	0	0	-
134	19.2	Mining cavities	0	0	0	0	0
134	19.3	Reported recent incidents	0	0	0	0	-
134	19.4	Historical incidents	0	0	0	0	-
135	19.5	National karst database	0	0	0	0	-
Page	Section	**Radon >**					
136 >	**20.1 >**	**Radon >**	Less than 1% (within 0m)				
Page	Section	**Soil chemistry >**	On site	0-50m	50-250m	250-500m	500-2000m
138 >	**21.1 >**	**BGS Estimated Background Soil Chemistry >**	1	2	-	-	-
138	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
138	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	**Railway infrastructure and projects >**	On site	0-50m	50-250m	250-500m	500-2000m
139	22.1	Underground railways (London)	0	0	0	-	-
139	22.2	Underground railways (Non-London)	0	0	0	-	-
140 >	**22.3 >**	**Railway tunnels >**	0	0	4	-	-
140 >	**22.4 >**	**Historical railway and tunnel features >**	0	0	75	-	-
143	22.5	Royal Mail tunnels	0	0	0	-	-

143	22.6	Historical railways	0	0	0	-	-
143 >	**22.7 >**	**Railways >**	0	0	24	-	-
145	22.8	Crossrail 1	0	0	0	0	-
145	22.9	Crossrail 2	0	0	0	0	-
145	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 30/05/2021

Site Area: 0.12ha

Recent site history - 2018 aerial photograph

Capture Date: 01/07/2018

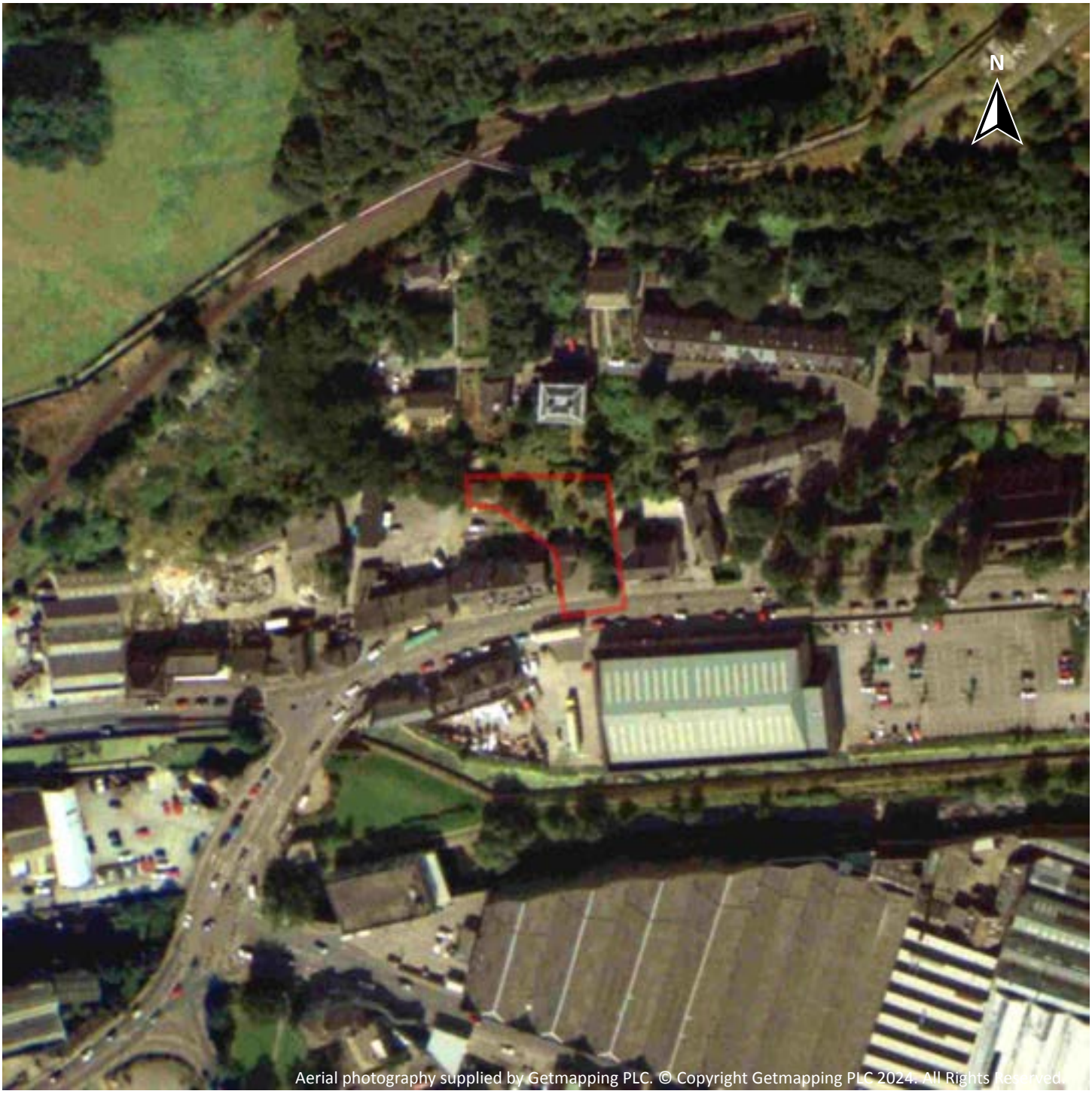
Site Area: 0.12ha

Recent site history - 2012 aerial photograph

Capture Date: 26/03/2012

Site Area: 0.12ha

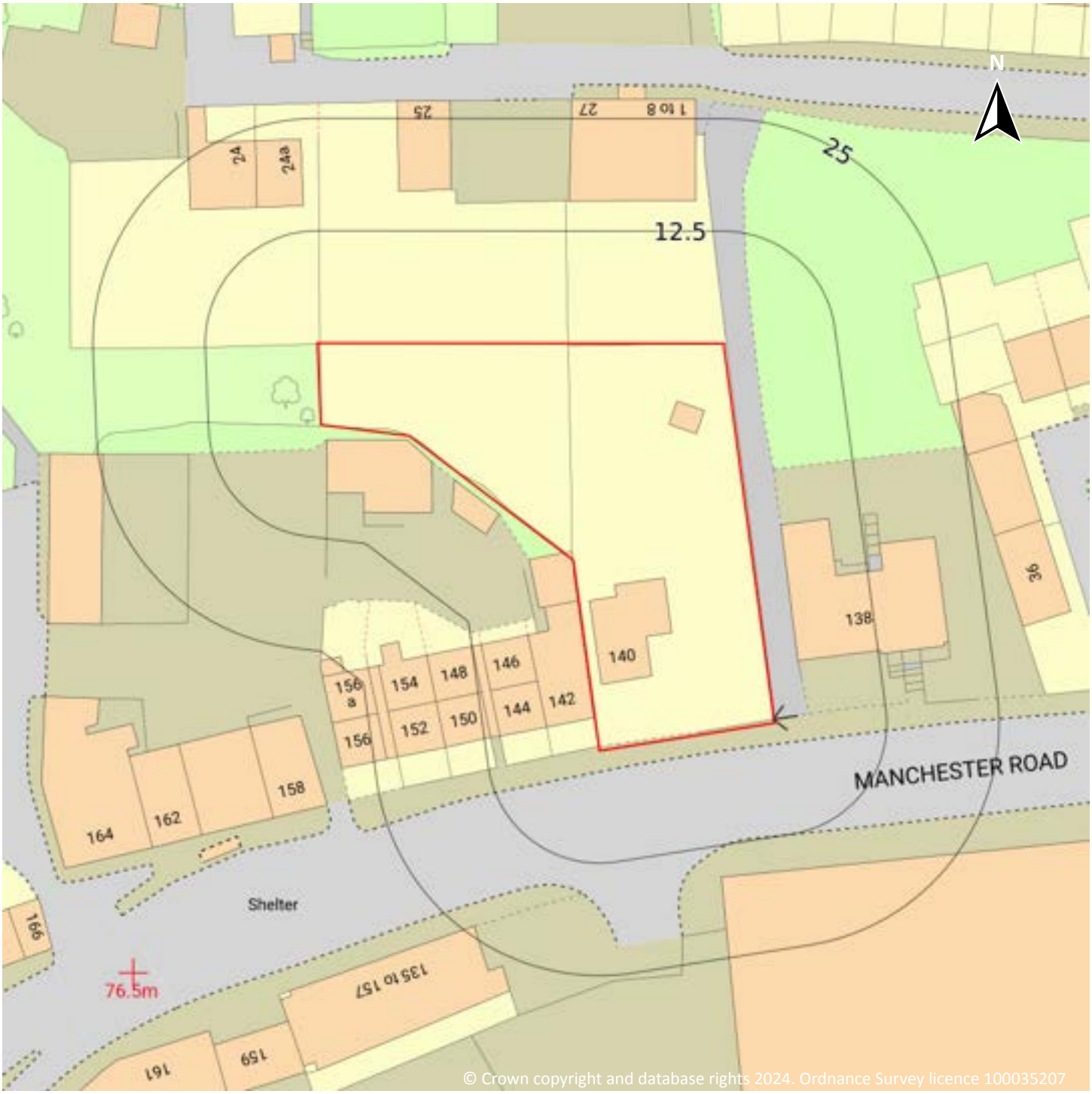
Recent site history - 2000 aerial photograph



Capture Date: 25/08/2000

Site Area: 0.12ha

OS MasterMap site plan



Site Area: 0.12ha

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	81

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

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

ID	Location	Land use	Dates present	Group ID
A	17m S	Disused Canal	1985	1487658

ID	Location	Land use	Dates present	Group ID
A	17m S	Disused Canal	1975	1532635
A	38m SE	Unspecified Mill	1975 - 1985	1502909
C	39m W	Unspecified Works	1975 - 1985	1519020
C	53m W	Unspecified Ground Workings	1905	1482134
C	53m W	Unspecified Ground Workings	1948	1491829
D	69m NW	Cuttings	1938	1479207
D	70m NW	Cuttings	1956	1509219
A	81m S	Tramway Depot	1948 - 1956	1486328
A	81m S	Unspecified Depot	1966 - 1985	1510138
A	85m S	Tramway Depot	1938	1471101
E	91m N	Cuttings	1889 - 1905	1484984
E	95m N	Cuttings	1948	1480952
F	97m W	Unspecified Heap	1956	1556101
E	98m N	Cuttings	1966 - 1985	1535231
G	101m N	Tunnel	1948	1536218
G	101m N	Tunnel	1905	1536569
G	105m N	Tunnel	1956 - 1985	1497081
G	114m N	Tunnel	1905	1526374
G	114m N	Tunnel	1948	1537532
E	114m N	Railway Building	1938 - 1948	1497351
E	114m N	Railway Building	1905	1538364
G	115m NW	Tunnel	1938	1548967
E	115m N	Railway Building	1956	1553456
G	119m N	Tunnel	1956 - 1985	1520263
H	122m SE	Unspecified Works	1966 - 1985	1528175
H	122m SE	Unspecified Works	1948 - 1956	1533135
H	123m SE	Unspecified Works	1938	1530950
J	143m NE	Tunnel	1948	1546239

ID	Location	Land use	Dates present	Group ID
J	143m NE	Tunnel	1905	1550604
J	146m NE	Tunnel	1938	1548504
J	147m NE	Tunnels	1956 - 1985	1475841
J	153m NE	Tunnel	1948	1500197
J	153m NE	Tunnel	1905	1546191
J	157m NE	Tunnels	1956 - 1985	1469609
K	160m SW	Unspecified Works	1975 - 1985	1526895
F	165m W	Unspecified Heap	1966 - 1985	1512758
2	166m N	Unspecified Ground Workings	1889	1412126
L	171m S	Unspecified Works	1956	1459348
L	178m S	Unspecified Works	1966	1478872
L	178m S	Unspecified Works	1975 - 1985	1532399
M	224m NW	Unspecified Ground Workings	1889	1412127
O	232m NW	Railway Sidings	1889	1467298
M	236m NW	Cuttings	1966 - 1985	1459539
P	236m NW	Railway Sidings	1985	1514475
P	236m NW	Railway Sidings	1975	1533805
Q	243m E	Unspecified Works	1975	1532127
L	264m SE	Unspecified Works	1938	1537330
O	266m W	Railway Sidings	1938 - 1948	1507024
M	268m W	Railway Building	1938	1428980
L	270m SE	Hygienic Works	1948	1422019
O	276m W	Railway Sidings	1956 - 1966	1460382
O	279m W	Railway Sidings	1905	1534411
T	292m SE	Unspecified Work	1938	1411663
Q	294m E	Unspecified Works	1948	1472819
Q	294m E	Unspecified Works	1938	1540121
Q	295m E	Unspecified Works	1985	1535876

ID	Location	Land use	Dates present	Group ID
Q	296m E	Unspecified Works	1956	1551853
T	302m SE	Unspecified Works	1948 - 1956	1550519
Q	329m E	Unspecified Works	1966	1492305
W	334m SW	Unspecified Heap	1905	1415071
W	349m SW	Unspecified Works	1966	1438161
W	349m SW	Unspecified Commercial/Industrial	1975 - 1985	1511005
X	369m NE	Unspecified Shafts	1975 - 1985	1521589
Q	372m SE	Unspecified Mills	1975	1551833
Q	374m SE	Unspecified Mills	1966	1460030
Y	375m W	Unspecified Mills	1975 - 1985	1521298
Z	377m S	Unspecified Ground Workings	1948	1462761
Z	377m S	Unspecified Ground Workings	1905	1536321
AA	382m NE	Water Works	1889	1420578
X	401m NE	Unspecified Shafts	1975 - 1985	1527263
Q	410m SE	Unspecified Mills	1948 - 1975	1555608
Q	412m SE	Unspecified Mills	1985	1478927
Q	416m SE	Unspecified Mills	1938	1506770
5	435m S	Unspecified Quarry	1889 - 1905	1555335
AD	460m E	Fire Station	1985	1530066
9	474m SW	Railway Sidings	1889	1409294
AD	474m E	Fire Station	1966 - 1975	1464268
Q	480m SE	Unspecified Mills	1948 - 1956	1528180
Q	484m SE	Unspecified Mills	1938	1554369
10	495m SW	Unspecified Pit	1956 - 1966	1487582

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	16

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

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

ID	Location	Land use	Dates present	Group ID
S	254m SE	Unspecified Tank	1993 - 1996	240864
S	254m E	Tanks	1983	230300
V	325m W	Unspecified Tank	1932	223234
V	341m W	Unspecified Tank	1932	223233
V	372m W	Unspecified Tank	1932	223232
X	398m NE	Unspecified Tank	1893	223235
AA	409m NE	Unspecified Tank	1893	223231
Q	415m SE	Tanks	1907 - 1918	243843
Q	431m SE	Unspecified Tank	1932	223259
Q	440m SE	Tanks	1918 - 1932	234025
8	447m SE	Tanks	1988 - 1994	242531
Y	451m W	Unspecified Tank	1918	223237
Q	464m SE	Tanks	1985 - 1988	248800
AE	480m NE	Tanks	1918 - 1932	241617
AE	481m NE	Unspecified Tank	1907	223236
Q	495m E	Unspecified Tank	1932	223253

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	23

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

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

ID	Location	Land use	Dates present	Group ID
A	86m S	Electric Station	1907	132024
1	108m SW	Electricity Substation	1993 - 1996	139235
K	204m SW	Electricity Substation	1972 - 1993	141662
N	232m S	Electricity Substation	1990	138754
N	239m S	Electricity Substation	1973	128990
3	265m E	Electricity Substation	1983 - 1996	140330
R	284m W	Electricity Substation	1972	128991
R	301m W	Electricity Substation	1986 - 1993	143212
U	302m S	Electricity Substation	1973	128989
U	304m S	Electricity Substation	1990	143507
W	358m SW	Electricity Substation	1986	133772
W	358m SW	Electricity Substation	1972	133502
W	359m SW	Electricity Substation	1993	132685
AB	434m E	Electricity Substation	1993 - 1996	139290
AB	439m E	Electricity Substation	1970 - 1990	138750
6	441m SE	Electricity Substation	1973 - 1990	135409
7	447m S	Electricity Substation	1973 - 1990	135581
Y	454m W	Electricity Substation	1986	136385
AC	455m E	Electricity Substation	1982	135535
AC	456m E	Electricity Substation	1970	132468
AC	457m E	Electricity Substation	1990 - 1996	143434

ID	Location	Land use	Dates present	Group ID
Y	457m W	Electricity Substation	1993	141980
Y	464m W	Electricity Substation	1972	128992

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	14

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

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

ID	Location	Land use	Dates present	Group ID
B	32m SE	Garage	1983 - 1993	45270
B	63m E	Garage	1960	46898
B	103m E	Garage	1993	42869
I	139m S	Garage	1960 - 1996	45692
I	139m S	Garage	1983	43390
I	139m S	Garage	1960	42314
R	247m W	Garage	1960 - 1986	46481
R	248m W	Garage	1993	43958
4	283m W	Garage	1993	41092

ID	Location	Land use	Dates present	Group ID
R	285m W	Garage	1986 - 1993	46158
R	305m W	Garage	1972	43499
Y	463m W	Garage	1993	41079
Y	475m W	Garage	1993	41080
AE	490m NE	Garage	1970	41088

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	126

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
A	17m S	Disused Canal	1975	1532635
A	17m S	Disused Canal	1985	1487658
A	38m SE	Unspecified Mill	1975	1502909

ID	Location	Land Use	Date	Group ID
A	39m S	Unspecified Mill	1985	1502909
C	39m W	Unspecified Works	1975	1519020
C	39m W	Unspecified Works	1985	1519020
C	53m W	Unspecified Ground Workings	1948	1491829
C	53m W	Unspecified Ground Workings	1905	1482134
D	69m NW	Cuttings	1938	1479207
D	70m NW	Cuttings	1956	1509219
A	81m S	Unspecified Depot	1975	1510138
A	81m S	Tramway Depot	1956	1486328
A	81m S	Unspecified Depot	1985	1510138
A	81m S	Unspecified Depot	1966	1510138
A	85m S	Tramway Depot	1938	1471101
A	87m S	Tramway Depot	1948	1486328
E	91m N	Cuttings	1889	1484984
E	95m N	Cuttings	1948	1480952
E	95m N	Cuttings	1905	1484984
F	97m W	Unspecified Heap	1956	1556101
E	98m N	Cuttings	1975	1535231
E	98m N	Cuttings	1985	1535231
E	98m N	Cuttings	1966	1535231
G	101m N	Tunnel	1948	1536218
G	101m N	Tunnel	1905	1536569
G	105m N	Tunnel	1975	1497081
G	105m N	Tunnel	1956	1497081
G	105m N	Tunnel	1985	1497081
G	105m N	Tunnel	1966	1497081
G	114m N	Tunnel	1948	1537532
G	114m N	Tunnel	1905	1526374

ID	Location	Land Use	Date	Group ID
E	114m N	Railway Building	1948	1497351
E	114m N	Railway Building	1905	1538364
G	115m NW	Tunnel	1938	1548967
E	115m N	Railway Building	1956	1553456
E	116m N	Railway Building	1938	1497351
G	119m N	Tunnel	1975	1520263
G	119m N	Tunnel	1956	1520263
G	119m N	Tunnel	1985	1520263
G	119m N	Tunnel	1966	1520263
H	122m SE	Unspecified Works	1975	1528175
H	122m SE	Unspecified Works	1956	1533135
H	122m SE	Unspecified Works	1985	1528175
H	122m SE	Unspecified Works	1966	1528175
H	123m SE	Unspecified Works	1938	1530950
H	129m SE	Unspecified Works	1948	1533135
J	143m NE	Tunnel	1948	1546239
J	143m NE	Tunnel	1905	1550604
J	146m NE	Tunnel	1938	1548504
J	147m NE	Tunnels	1975	1475841
J	147m NE	Tunnels	1956	1475841
J	147m NE	Tunnels	1985	1475841
J	147m NE	Tunnels	1966	1475841
J	153m NE	Tunnel	1948	1500197
J	153m NE	Tunnel	1905	1546191
J	157m NE	Tunnels	1975	1469609
J	157m NE	Tunnels	1956	1469609
J	157m NE	Tunnels	1985	1469609
J	157m NE	Tunnels	1966	1469609

ID	Location	Land Use	Date	Group ID
K	160m SW	Unspecified Works	1975	1526895
K	160m SW	Unspecified Works	1985	1526895
F	165m W	Unspecified Heap	1975	1512758
F	165m W	Unspecified Heap	1985	1512758
F	165m W	Unspecified Heap	1966	1512758
1	166m N	Unspecified Ground Workings	1889	1412126
L	171m S	Unspecified Works	1956	1459348
L	178m S	Unspecified Works	1966	1478872
L	178m S	Unspecified Works	1975	1532399
L	178m S	Unspecified Works	1985	1532399
M	224m NW	Unspecified Ground Workings	1889	1412127
O	232m NW	Railway Sidings	1889	1467298
M	236m NW	Cuttings	1975	1459539
M	236m NW	Cuttings	1985	1459539
M	236m NW	Cuttings	1966	1459539
P	236m NW	Railway Sidings	1975	1533805
P	236m NW	Railway Sidings	1985	1514475
Q	243m E	Unspecified Works	1975	1532127
L	264m SE	Unspecified Works	1938	1537330
O	266m W	Railway Sidings	1938	1507024
M	268m W	Railway Building	1938	1428980
L	270m SE	Hygienic Works	1948	1422019
O	276m W	Railway Sidings	1956	1460382
O	276m W	Railway Sidings	1966	1460382
O	279m W	Railway Sidings	1948	1507024
O	279m W	Railway Sidings	1905	1534411
U	292m SE	Unspecified Work	1938	1411663
Q	294m E	Unspecified Works	1948	1472819

ID	Location	Land Use	Date	Group ID
Q	294m E	Unspecified Works	1938	1540121
Q	295m E	Unspecified Works	1985	1535876
Q	296m E	Unspecified Works	1956	1551853
U	302m SE	Unspecified Works	1956	1550519
U	302m SE	Unspecified Works	1948	1550519
Q	329m E	Unspecified Works	1966	1492305
X	334m SW	Unspecified Heap	1905	1415071
X	349m SW	Unspecified Commercial/Industrial	1975	1511005
X	349m SW	Unspecified Commercial/Industrial	1985	1511005
X	349m SW	Unspecified Works	1966	1438161
Y	369m NE	Unspecified Shafts	1975	1521589
Y	369m NE	Unspecified Shafts	1985	1521589
Q	372m SE	Unspecified Mills	1975	1551833
Q	374m SE	Unspecified Mills	1966	1460030
Z	375m W	Unspecified Mills	1975	1521298
Z	375m W	Unspecified Mills	1985	1521298
AA	377m S	Unspecified Ground Workings	1948	1462761
AA	377m S	Unspecified Ground Workings	1905	1536321
AB	382m NE	Water Works	1889	1420578
Y	401m NE	Unspecified Shafts	1975	1527263
Y	401m NE	Unspecified Shafts	1985	1527263
Q	410m SE	Unspecified Mills	1966	1555608
Q	412m SE	Unspecified Mills	1985	1478927
Q	413m SE	Unspecified Mills	1948	1555608
Q	416m SE	Unspecified Mills	1938	1506770
Q	429m SE	Unspecified Mills	1975	1555608
AD	435m S	Unspecified Quarry	1889	1555335
Q	440m SE	Unspecified Mills	1985	1478927

ID	Location	Land Use	Date	Group ID
AD	455m S	Unspecified Quarry	1905	1555335
AI	460m E	Fire Station	1985	1530066
Q	462m SE	Unspecified Mills	1956	1555608
3	474m SW	Railway Sidings	1889	1409294
AI	474m E	Fire Station	1975	1464268
AI	474m E	Fire Station	1966	1464268
Q	480m SE	Unspecified Mills	1948	1528180
Q	483m SE	Unspecified Mills	1956	1528180
Q	484m SE	Unspecified Mills	1938	1554369
AK	495m SW	Unspecified Pit	1956	1487582
AK	495m SW	Unspecified Pit	1966	1487582

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**22**

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
S	254m SE	Unspecified Tank	1993	240864
S	254m SE	Unspecified Tank	1996	240864
S	254m E	Tanks	1983	230300
W	325m W	Unspecified Tank	1932	223234
W	341m W	Unspecified Tank	1932	223233
W	372m W	Unspecified Tank	1932	223232
Y	398m NE	Unspecified Tank	1893	223235
AB	409m NE	Unspecified Tank	1893	223231
Q	415m SE	Tanks	1918	243843

ID	Location	Land Use	Date	Group ID
Q	418m SE	Tanks	1907	243843
Q	431m SE	Unspecified Tank	1932	223259
Q	440m SE	Tanks	1918	234025
Q	440m SE	Tanks	1932	234025
AG	447m SE	Tanks	1988	242531
AG	448m SE	Tanks	1994	242531
Z	451m W	Unspecified Tank	1918	223237
Q	464m SE	Tanks	1988	248800
Q	464m SE	Tanks	1985	248800
AJ	480m NE	Tanks	1918	241617
AJ	480m NE	Tanks	1932	241617
AJ	481m NE	Unspecified Tank	1907	223236
Q	495m E	Unspecified Tank	1932	223253

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**48**

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
A	86m S	Electric Station	1907	132024
A	108m SW	Electricity Substation	1993	139235
A	108m SW	Electricity Substation	1996	139235
K	204m SW	Electricity Substation	1972	141662
K	204m SW	Electricity Substation	1993	141662
K	204m SW	Electricity Substation	1986	141662
N	232m S	Electricity Substation	1990	138754

ID	Location	Land Use	Date	Group ID
N	232m S	Electricity Substation	1990	138754
N	239m S	Electricity Substation	1973	128990
T	265m E	Electricity Substation	1993	140330
T	265m E	Electricity Substation	1996	140330
T	266m E	Electricity Substation	1983	140330
R	284m W	Electricity Substation	1972	128991
R	301m W	Electricity Substation	1986	143212
V	302m S	Electricity Substation	1973	128989
R	302m W	Electricity Substation	1993	143212
V	304m S	Electricity Substation	1990	143507
V	304m S	Electricity Substation	1990	143507
X	358m SW	Electricity Substation	1986	133772
X	358m SW	Electricity Substation	1972	133502
X	359m SW	Electricity Substation	1993	132685
AC	434m E	Electricity Substation	1993	139290
AC	434m E	Electricity Substation	1995	139290
AC	434m E	Electricity Substation	1996	139290
AC	439m E	Electricity Substation	1990	138750
AC	439m E	Electricity Substation	1990	138750
AC	440m E	Electricity Substation	1982	138750
AC	441m E	Electricity Substation	1970	138750
AE	441m SE	Electricity Substation	1990	135409
AE	441m SE	Electricity Substation	1990	135409
AC	441m E	Electricity Substation	1990	138750
AE	442m SE	Electricity Substation	1973	135409
AF	447m S	Electricity Substation	1990	135581
AF	447m S	Electricity Substation	1990	135581
AF	447m S	Electricity Substation	1973	135581

ID	Location	Land Use	Date	Group ID
Z	454m W	Electricity Substation	1986	136385
AH	455m E	Electricity Substation	1982	135535
AH	456m E	Electricity Substation	1970	132468
AH	457m E	Electricity Substation	1990	143434
AH	457m E	Electricity Substation	1990	143434
AH	457m E	Electricity Substation	1990	143434
AH	457m E	Electricity Substation	1990	143434
Z	457m W	Electricity Substation	1993	141980
AH	458m E	Electricity Substation	1990	143434
AH	458m E	Electricity Substation	1993	143434
AH	458m E	Electricity Substation	1995	143434
AH	458m E	Electricity Substation	1996	143434
Z	464m W	Electricity Substation	1972	128992

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
B	32m SE	Garage	1993	45270
B	32m SE	Garage	1983	45270
B	63m E	Garage	1960	46898
B	63m E	Garage	1960	46898
B	103m E	Garage	1993	42869
I	139m S	Garage	1960	45692
I	139m S	Garage	1983	43390
I	139m S	Garage	1996	45692
I	139m S	Garage	1993	45692
I	139m S	Garage	1960	42314
R	247m W	Garage	1960	46481
R	247m W	Garage	1960	46481
R	247m W	Garage	1972	46481
R	248m W	Garage	1986	46481
R	248m W	Garage	1993	43958
2	283m W	Garage	1993	41092
R	285m W	Garage	1993	46158
R	304m W	Garage	1986	46158
R	305m W	Garage	1972	43499
Z	463m W	Garage	1993	41079
Z	475m W	Garage	1993	41080
AJ	490m NE	Garage	1970	41088

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill

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Site Outline

Search buffers in metres (m)

Historical waste sites

Licensed waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	0

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

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

3.5 Historical waste sites

Records within 500m	3

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 32 >**

ID	Location	Address	Further Details	Date
A	243m W	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1972
A	243m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1993
A	243m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986

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

3.6 Licensed waste sites

Records within 500m	4

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

Features are displayed on the Waste and landfill map on **page 32 >**

ID	Location	Details		
A	256m W	Site Name: Huddersfield Auto Salvage Site Address: The Triangle, Paddock Foot, Huddersfield, West Yorkshire, HD1 4RY Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 629589 EPR reference: EA/EPR/TP3595ZX Operator: Mohammad Islam Waste Management licence No: 61032 Annual Tonnage: 9600	Issue Date: 11/08/1993 Effective Date: 11/08/1993 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
4	378m W	Site Name: Breaking VW's Site Address: Land/premises At, Allen Row, The Triangle, Huddersfield, West Yorkshire, HD1 4RR Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 646322 EPR reference: EA/EPR/CP3592ZG Operator: Gary Oldroyd Waste Management licence No: 65365 Annual Tonnage: 2500	Issue Date: 04/01/2005 Effective Date: 04/01/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
D	465m SE	Site Name: Fitzwilliam H W R C Site Address: Highway Depot, Hemsworth Lane, Fitzwilliam, Wakefield, West Yorkshire, WF9 5AZ Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SHA118 EPR reference: EA/EPR/EB3139RY/S002 Operator: Shanks Waste Management Limited Waste Management licence No: 61913 Annual Tonnage: 0	Issue Date: 08/03/1996 Effective Date: 25/02/2013 Modified: - Surrendered Date: 30/07/2015 Expiry Date: - Cancelled Date: - Status: Surrendered

ID	Location	Details		
D	465m SE	Site Name: Fitzwilliam H W R C Site Address: Highway Depot, Hemsworth Lane, Fitzwilliam, Wakefield, West Yorkshire, WF9 5AZ Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 629888 EPR reference: EA/EPR/EB3139RY Operator: Renewi Uk Services Limited Waste Management licence No: 61913 Annual Tonnage: 0	Issue Date: 08/03/1996 Effective Date: 08/03/1996 Modified: - Surrendered Date: 08/03/1996 Expiry Date: - Cancelled Date: - Status: Surrendered

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

3.7 Waste exemptions

Records within 500m	14

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.

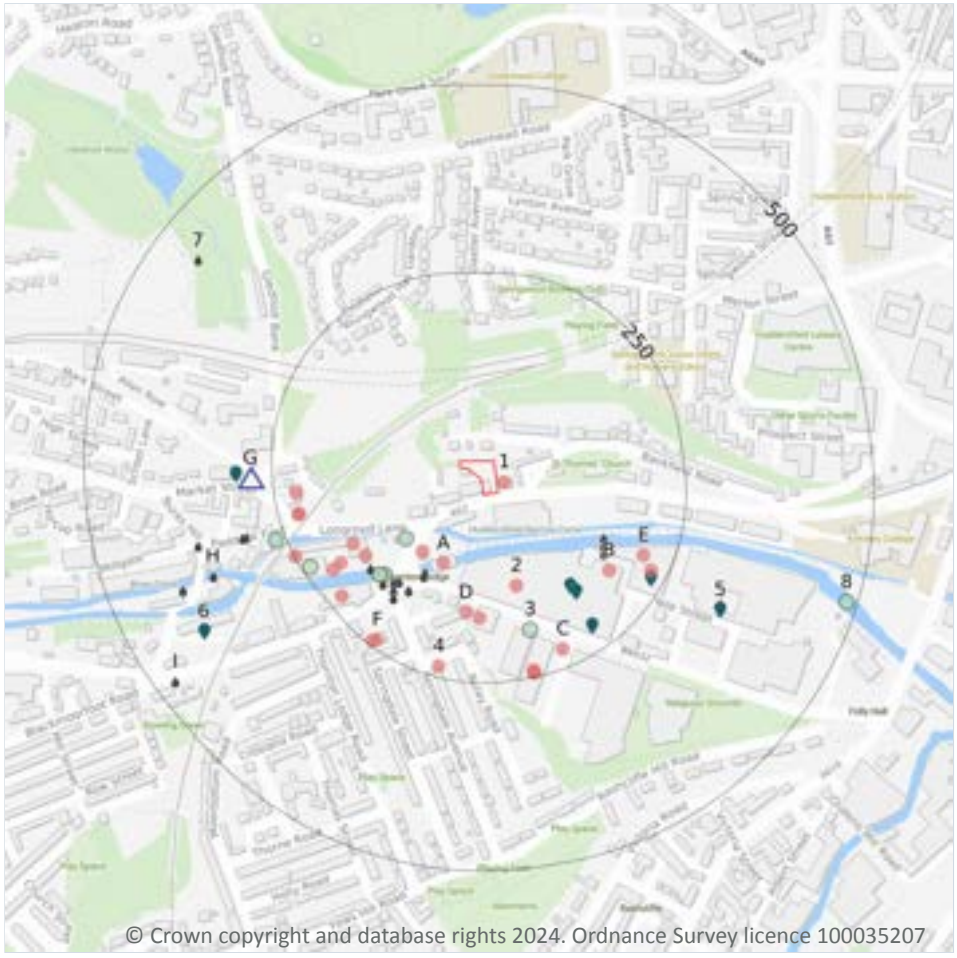
Features are displayed on the Waste and landfill map on **page 32 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	151m SW	-	WEX134413	Using waste exemption	Not on a farm	Use of waste in construction
2	206m S	S Autos, Bulay Road, Huddersfield, HD1 3NH	WEX243996	Disposing of waste exemption	Not on a farm	Burning waste in the open
3	249m E	42, BANKFIELD ROAD, HUDDERSFIELD, HD1 3HR	WEX034245	Disposing of waste exemption	Not on a farm	Burning waste in the open
B	367m SW	Unit 2 The Dye Works Birkhouse Lane Huddersfield HD1 4SF	EPR/QF0638KE/A001	Using waste exemption	Non-Agricultural Waste Only	Burning of waste as a fuel in a small appliance
B	367m SW	Unit 2 The Dye Works Birkhouse Lane Huddersfield HD1 4SF	EPR/QF0638KE/A001	Disposing of waste exemption	Non-Agricultural Waste Only	Burning waste in the open
5	411m NE	Huddersfield Sports Centre Merton Street HUDDERSFIELD HD1 4BN	EPR/HH0511DT/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
C	438m W	BIRKHOUSE LANE, HUDDERSFIELD, HD1 4SF	WEX210416	Using waste exemption	Not on a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
C	438m W	BIRKHOUSE LANE, HUDDERSFIELD, HD1 4SF	WEX210416	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
C	438m W	BIRKHOUSE LANE, HUDDERSFIELD, HD1 4SF	WEX052690	Using waste exemption	Not on a farm	Use of waste in construction
C	438m W	BIRKHOUSE LANE, HUDDERSFIELD, HD1 4SF	WEX052690	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
C	438m W	BIRKHOUSE LANE, HUDDERSFIELD, HD1 4SF	WEX210416	Disposing of waste exemption	Not on a farm	Burning waste in the open
C	438m W	BIRKHOUSE LANE, HUDDERSFIELD, HD1 4SF	WEX052690	Disposing of waste exemption	Not on a farm	Burning waste in the open
6	439m S	2, THORNE ROAD, HUDDERSFIELD, HD1 3JJ	WEX281097	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
7	455m N	34, GREENHEAD ROAD, HUDDERSFIELD, HD1 4EZ	WEX281941	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

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

4 Current industrial land use



Site Outline

Search buffers in metres (m)

- Recent industrial land uses
- Current or recent petrol stations
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	25

Current potentially contaminative industrial sites.

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

ID	Location	Company	Address	Activity	Category
1	10m E	Samra Motor Parts	138, Manchester Road, Longroyd Bridge, Huddersfield, West Yorkshire, HD1 3HU	Vehicle Parts and Accessories	Motoring
A	105m SW	Fired Up	Adam Fire Surrounds Ltd, St Thomas' Road, Huddersfield, West Yorkshire, HD1 3LF	Fireplaces and Mantelpieces	Consumer Products
A	111m SW	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
2	126m S	Works	West Yorkshire, HD1	Unspecified Works Or Factories	Industrial Features
D	158m S	E U Tyres	53a, St Thomas' Road, Huddersfield, West Yorkshire, HD1 3LG	Vehicle Parts and Accessories	Motoring
D	163m S	E U M O T Test Centre	Unit 37 Waverley Buildings, St Thomas' Road, Huddersfield, West Yorkshire, HD1 3LG	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	172m SW	Hearth & Home	1, Longroyd Bridge, Manchester Road, Huddersfield, West Yorkshire, HD1 3JF	Fireplaces and Mantelpieces	Consumer Products
A	175m SW	Works	West Yorkshire, HD1	Unspecified Works Or Factories	Industrial Features
B	180m SE	Huddersfield Horticulture	Unit 6, St Thomas Road, Huddersfield, West Yorkshire, HD1 3LG	Industrial Repairs and Servicing	Repair and Servicing
A	203m SW	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities
E	211m SE	Highfield Gear & Machining Ltd	Empress Works, St Thomas' Road, Huddersfield, West Yorkshire, HD1 3LP	Bearing, Gear and Drive Elements	Industrial Products
A	216m SW	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities
A	220m W	T & K Motors	11 The Triangle, Market Street, Paddock, Huddersfield, West Yorkshire, HD1 4RN	New Vehicles	Motoring
A	223m W	5 Star Autocentre	The Triangle, Market Street, Paddock, Huddersfield, West Yorkshire, HD1 4RN	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	224m W	Five Star Autocentre	1 The Triangle, Market Street, Paddock, Huddersfield, West Yorkshire, HD1 4RN	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	225m SE	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities
E	228m SE	Premier Coachworks Ltd	Nile Street, -, Huddersfield, West Yorkshire, HD1 3LP	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	231m SW	Works	West Yorkshire, HD1	Unspecified Works Or Factories	Industrial Features
4	235m S	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
F	239m SW	Northern Tyre & Battery Service Ltd	173, Manchester Road, Thornton Lodge, Huddersfield, West Yorkshire, HD1 3JE	Vehicle Parts and Accessories	Motoring
C	240m S	V T L Group Holdings Ltd	St Thomas Road, -, Huddersfield, West Yorkshire, HD1 3LG	Vehicle Parts and Accessories	Motoring
F	244m SW	Northern Tyre & Battery Service	1, 173, Manchester Road, Huddersfield, West Yorkshire, HD1 3JF	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	245m S	Khadim Wholesale Catering Supplies	65-67, St Thomas' Road, Huddersfield, West Yorkshire, HD1 3LG	Catering and Non Specific Food Products	Foodstuffs
C	245m S	V T L Precision Huddersfiel d Ltd	65-67, St Thomas' Road, Huddersfield, West Yorkshire, HD1 3LG	Precision Engineers	Engineering Services
A	249m SW	Cliffe Commercial Business Park	West Yorkshire, HD1	Business Parks and Industrial Estates	Industrial Features

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 37 >**

ID	Location	Company	Address	LPG	Status
G	280m W	JET	70, Market Street The Triangle, Paddock, Huddersfield, West Yorkshire, HD1 4SH	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

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

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

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

Records within 500m	7

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

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

ID	Location	Address	Details	
C	156m SE	Roberts Castings Ltd, Colne Rd, Huddersfield, HD1 3AT	Process: Non-ferrous Metal Foundry Processes 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	
C	167m SE	Brook Motors Ltd, St Thomas's Rd, Huddersfield, HD1 3LG	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
C	216m SE	Adams Fire Surrounds Ltd, St Thomas' Road, Longwood, Huddersfield, West Yorkshire, HD1 3LF	Process: Timber Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
E	232m SE	Premier Coachworks, Nile Street, Huddersfield, HD1 3LP	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
G	299m W	Paddock Filling Station, The Triangle, Paddock, Huddersfield, HD1 4RU	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
5	333m SE	Messrs Wooler, Mrs Wooler & Mrs Maddigan, G W Bodyshop Ltd, Carrier Works, Nile Street, Huddersfield, HD1 3LP	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
6	404m SW	Kaye & Co(Huddersfield)ltd Moorbottom Ironworks, Manchester Rd, Huddersfield, HD4 5AF	Process: Non-ferrous Metal Foundry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	43

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

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

ID	Location	Address	Details	
A	129m SW	ST THOMAS ROAD CSO, ST THOMAS' ROAD, LONGROYD BRIDGE, HUDDERSFIELD, WEST YORKSHIRE, HD1 3JB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9177 Permit Version: 2 Receiving Water: RIVER COLNE	Status: VARIED UNDER EPR 2010 Issue date: 28/08/2020 Effective Date: 28/08/2020 Revocation Date: -
A	134m SW	ST THOMAS ROAD CSO, ST THOMAS' ROAD, LONGROYD BRIDGE, HUDDERSFIELD, WEST YORKSHIRE, HD1 3JB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9177 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 23/08/2007 Effective Date: 23/08/2007 Revocation Date: 27/08/2020
B	153m SE	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995
B	153m SE	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993

ID	Location	Address	Details	
B	153m SE	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995
B	153m SE	SPRINGDALE MILLS CSO, GRAHAM STREET (OFF ST THOMAS RD), LONGROYD BRIDGE, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9176 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 23/08/2007 Effective Date: 23/08/2007 Revocation Date: -
B	157m SE	BROOK MOTORS CSO, OFF MANCHESTER ROAD, LONGROYD BRIDGE, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9175 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 22/08/2007 Effective Date: 22/08/2007 Revocation Date: -
B	162m SE	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995
B	162m SE	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
B	162m SE	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995
A	162m SW	LONGROYD MANCH ROAD CSO, LONGROYD BRG/MANCHESTER ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD1 3JB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9302 Permit Version: 2 Receiving Water: RIVER COLNE	Status: VARIED UNDER EPR 2010 Issue date: 28/08/2020 Effective Date: 28/08/2020 Revocation Date: -

ID	Location	Address	Details	
A	162m SW	LONGROYD MANCH ROAD CSO, LONGROYD BRG/MANCHESTER ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD1 3JB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9301 Permit Version: 2 Receiving Water: RIVER COLNE	Status: VARIED UNDER EPR 2010 Issue date: 26/02/2018 Effective Date: 31/03/2018 Revocation Date: -
A	162m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
A	162m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995
A	162m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995
A	168m SW	LONGROYD MANCH ROAD CSO, LONGROYD BRG/MANCHESTER ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD1 3JB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9301 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 02/01/2008 Effective Date: 02/01/2008 Revocation Date: 30/03/2018
A	168m SW	LONGROYD MANCH ROAD CSO, LONGROYD BRG/MANCHESTER ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD1 3JB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9302 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 02/01/2008 Effective Date: 02/01/2008 Revocation Date: 27/08/2020
A	175m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995

ID	Location	Address	Details	
A	175m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995
A	175m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
A	175m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 4 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 06/03/1995 Revocation Date: -
A	179m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995
A	179m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
A	179m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995

ID	Location	Address	Details	
A	179m SW	CHARLIE BROWNS CSO, LONGROYD BRIDGE/MANCHESTER ROAD, LONGROYD BRIDGE, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9179 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 23/08/2007 Effective Date: 23/08/2007 Revocation Date: -
A	179m SW	LONGROYD BRIDGE CSO, LONGROYD BRIDGE, LOCKWOOD, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: YWUCD2/60 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/11/1997 Effective Date: 12/11/1997 Revocation Date: -
A	183m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
A	183m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995
A	183m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995
A	183m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 4 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 06/03/1995 Revocation Date: -

ID	Location	Address	Details	
A	299m W	PADDOCK FOOT CSO, PADDOCK FOOT/JUNCTION COLNE ST, HUDDERSFIELD, WEST YORKSHIRE, HD1 4RX	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 2773 Permit Version: 2 Receiving Water: CULVERTED TRIB OF RIVER COLNE	Status: VARIED UNDER EPR 2010 Issue date: 21/11/2018 Effective Date: 21/11/2018 Revocation Date: -
A	304m W	PADDOCK FOOT CSO, PADDOCK FOOT/JUNCTION COLNE ST, HUDDERSFIELD, WEST YORKSHIRE, HD1 4RX	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 2773 Permit Version: 1 Receiving Water: RIVER COLNE	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 07/10/1971 Effective Date: 07/10/1971 Revocation Date: 20/11/2018
H	359m W	WILLIAM ARNOLD & SON LTD, BIRKHOUSE BOLIER WORKS, PADDOCK, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 3150 Permit Version: 1 Receiving Water: RIVER COLNE	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 01/07/1976 Effective Date: 01/07/1976 Revocation Date: 02/11/1994
H	359m W	WILLIAM ARNOLD & SON LTD, BIRKHOUSE BOLIER WORKS, PADDOCK, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 3150 Permit Version: 2 Receiving Water: RIVER COLNE	Status: REVOKED - UNSPECIFIED Issue date: 03/11/1994 Effective Date: 03/11/1994 Revocation Date: 15/11/2001
H	364m W	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
H	404m W	BLACKMOORFOOT ROAD CSO, BLACKMOORFOOT ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD4 5AE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8603 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: 06/06/2023
H	404m W	BLACKMOORFOOT ROAD CSO, BLACKMOORFOOT ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD4 5AE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8603 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: 06/06/2023

ID	Location	Address	Details	
H	404m W	BLACKMOORFOOT ROAD CSO, BLACKMOORFOOT ROAD, HUDDERSFIELD, WEST YORKSHIRE, HD4 5AE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8603 Permit Version: 2 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 07/06/2023 Effective Date: 07/06/2023 Revocation Date: -
H	404m W	CROSLAND STREET CSO, PEAR ST/BLACKMOORFOOT RD JNC, HUDDERSFIELD, WEST YORKSHIRE, HD4 5AX	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: EPRAP3729PX Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW ISSUED UNDER EPR 2010 Issue date: 07/06/2023 Effective Date: 07/06/2023 Revocation Date: -
7	438m NW	MARSH SERVICE RESERVOIR, GLEDHOLT WOOD, OFF GLEDHOLT BANK, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: WA6301 Permit Version: 1 Receiving Water: TRIB OF RIVER COLNE	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 24/01/1991 Effective Date: 24/01/1991 Revocation Date: 24/03/2004
I	474m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
I	474m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995
I	474m SW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995

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	7

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

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

ID	Location	Details	
A	118m SW	Incident Date: 08/06/2003 Incident Identification: 164162 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
A	169m SW	Incident Date: 03/09/2003 Incident Identification: 187017 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
A	174m SW	Incident Date: 26/03/2003 Incident Identification: 146150 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3	186m S	Incident Date: 22/07/2003 Incident Identification: 175600 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
A	238m SW	Incident Date: 07/09/2001 Incident Identification: 29509 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
A	263m W	Incident Date: 15/08/2001 Incident Identification: 24323 Pollutant: Oils and Fuel Pollutant Description: Lubricating Oils	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
8	485m E	Incident Date: 27/05/2007 Incident Identification: 498163 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 2 (Significant) 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.

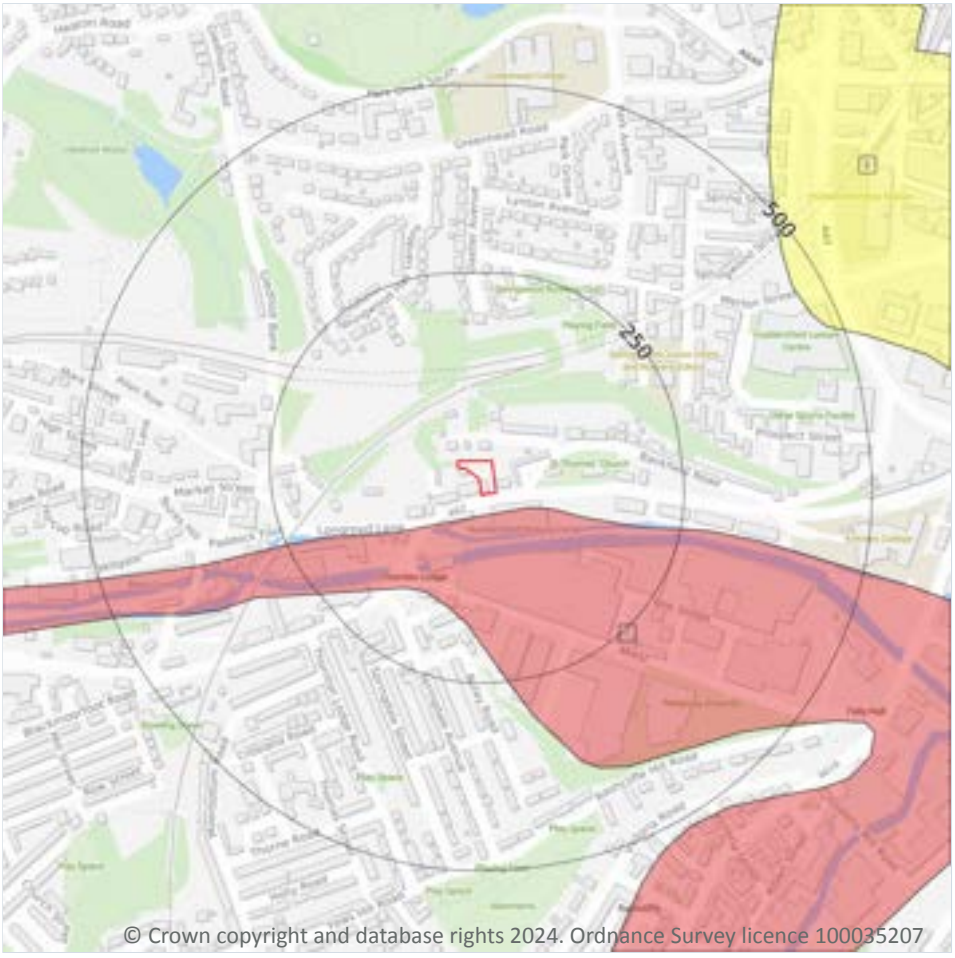
4.21 Pollution inventory radioactive waste

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



Site Outline

Search buffers in metres (m)

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

5.1 Superficial aquifer

Records within 500m	2

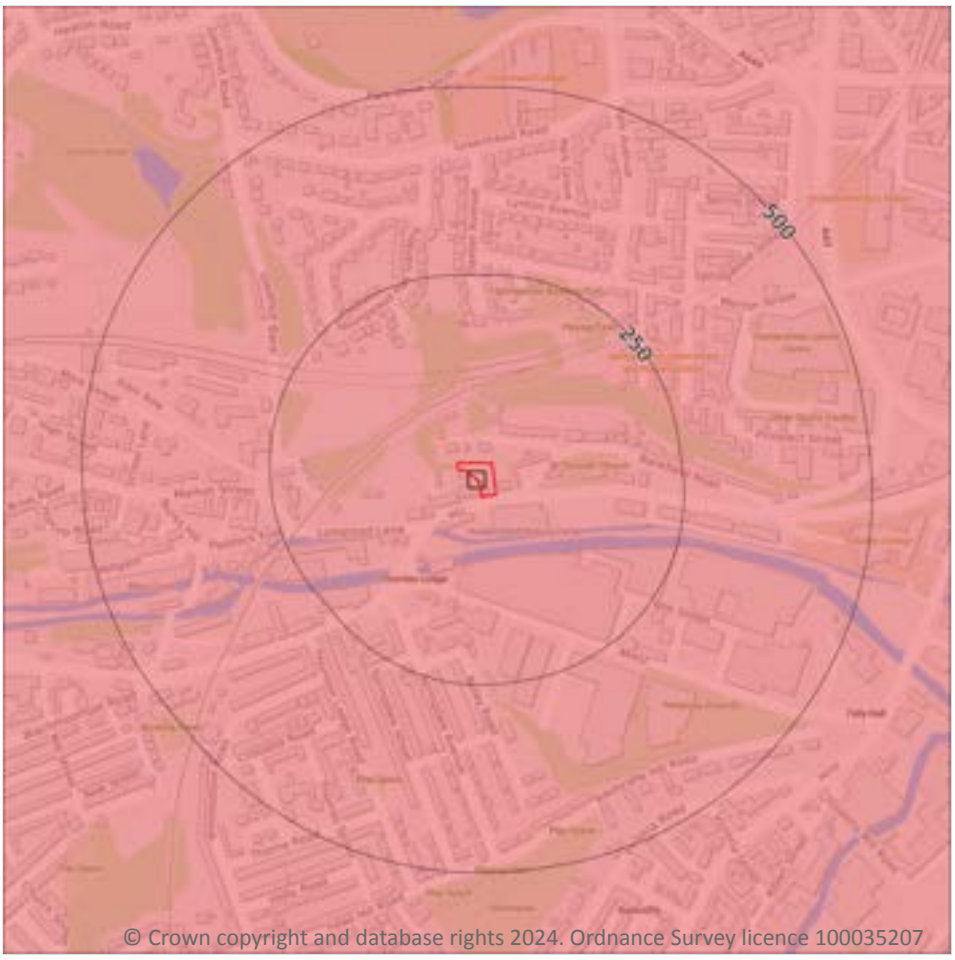
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 53** >

ID	Location	Designation	Description
1	27m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	462m NE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

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

5.2 Bedrock aquifer

Records within 500m	1

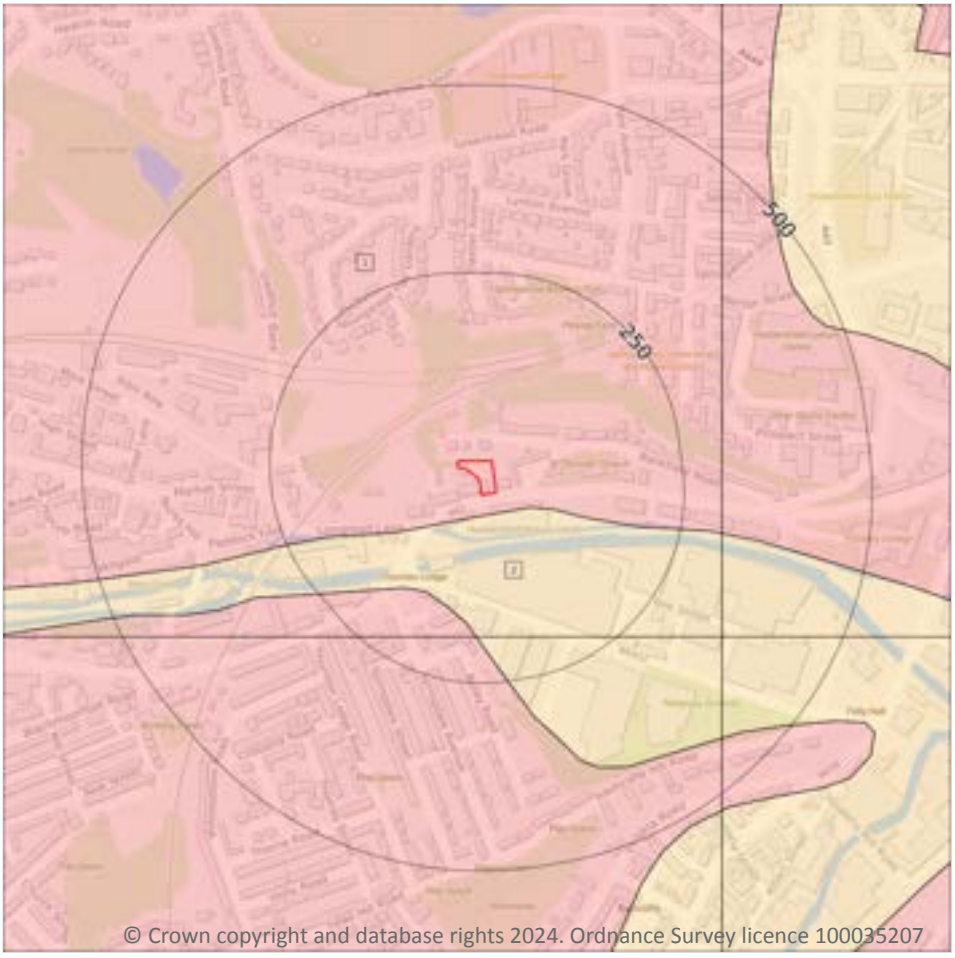
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 55** >

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	2

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

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

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

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: >550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures**
2	27m SE	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**0**

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

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

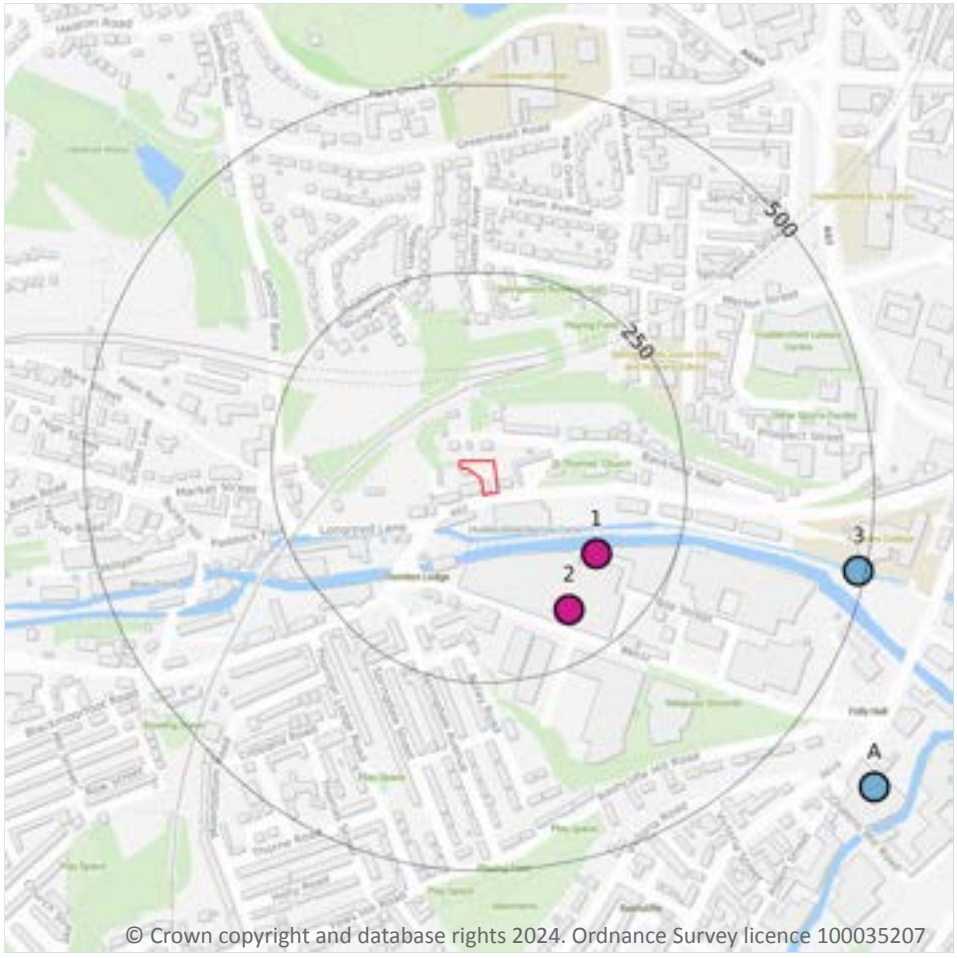
5.5 Groundwater vulnerability- local information

Records on site	**0**

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

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

Abstractions and Source Protection Zones



Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- Drinking water abstraction licences — Polygon features
- Drinking water abstraction licences — Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m	26

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

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

ID	Location	Details	
1	153m SE	Status: Historical Licence No: 2/27/11/190 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: SKA TEXTILES LTD Easting: 413830 Northing: 416110	Annual Volume (m^3): 465000 Max Daily Volume (m^3): 1272 Original Application No: - Original Start Date: 04/02/2005 Expiry Date: 31/12/2010 Issue No: 2 Version Start Date: 18/04/2006 Version End Date: -
2	182m SE	Status: Historical Licence No: NE/027/0011/006 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: SKA TEXTILES LTD Easting: 413794 Northing: 416036	Annual Volume (m^3): 200000 Max Daily Volume (m^3): 1272 Original Application No: - Original Start Date: 06/01/2011 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 06/01/2011 Version End Date: -
-	726m E	Status: Historical Licence No: 2/27/11/176 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: SKA TEXTILES LTD Easting: 414400 Northing: 416000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/08/1995 Expiry Date: - Issue No: 101 Version Start Date: 08/02/2001 Version End Date: -
-	920m E	Status: Historical Licence No: 2/27/11/176 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: SKA TEXTILES LTD Easting: 414600 Northing: 416000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/08/1995 Expiry Date: - Issue No: 101 Version Start Date: 08/02/2001 Version End Date: -
-	920m E	Status: Historical Licence No: 2/27/11/176 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: SKA TEXTILES LTD Easting: 414600 Northing: 416000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/08/1995 Expiry Date: - Issue No: 101 Version Start Date: 08/02/2001 Version End Date: -

ID	Location	Details	
-	1197m NE	Status: Historical Licence No: 2/27/11/193 Details: Non-Evaporative Cooling Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: KIRKLEES METROPOLITAN COUNCIL Easting: 414580 Northing: 417040	Annual Volume (m^3): 2400 Max Daily Volume (m^3): 85 Original Application No: - Original Start Date: 18/05/2007 Expiry Date: 31/03/2015 Issue No: 2 Version Start Date: 01/04/2008 Version End Date: -
-	1198m NE	Status: Active Licence No: 2/27/11/193/R01 Details: Heat Pump Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: Kirklees Council Easting: 414584 Northing: 417037	Annual Volume (m^3): 32000 Max Daily Volume (m^3): 357 Original Application No: NPS/WR/025885 Original Start Date: 17/04/2015 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 02/10/2017 Version End Date: -
-	1318m S	Status: Historical Licence No: 2/27/10/008 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BASS BREWERS (TADCASTER) Easting: 413400 Northing: 414900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 08/07/1970 Version End Date: -
-	1599m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414140 Northing: 417770	Annual Volume (m^3): 90920 Max Daily Volume (m^3): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
-	1606m W	Status: Historical Licence No: 2/27/11/037 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: JOHN CROWTHER & SONS (MILNSBRIDGE) LTD Easting: 412100 Northing: 415800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/01/1966 Version End Date: -

ID	Location	Details	
-	1606m W	Status: Historical Licence No: 2/27/11/037 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - MILNSBRIDGE Data Type: Point Name: JOHN GLADSTONE (DYERS & FINISHERS) LTD Easting: 412100 Northing: 415800	Annual Volume (m^3): 454609 Max Daily Volume (m^3): 1296 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 11/10/2002 Version End Date: -
-	1616m W	Status: Active Licence No: NE/027/0011/017 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - TNAYARD RD - MILNSBRIDGE Data Type: Point Name: MNS Textiles Ltd Easting: 412077 Northing: 415847	Annual Volume (m^3): 250000 Max Daily Volume (m^3): 1000 Original Application No: NPS/WR/015677 Original Start Date: 28/07/2014 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 28/07/2014 Version End Date: -
-	1715m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414210 Northing: 417870	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	1715m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BRITVIC SOFT DRINKS LTD Easting: 414210 Northing: 417870	Annual Volume (m^3): 360000 Max Daily Volume (m^3): 1200 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/11/2004 Version End Date: -
-	1715m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT- HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414210 Northing: 417870	Annual Volume (m^3): 90920 Max Daily Volume (m^3): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -

ID	Location	Details	
-	1756m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414250 Northing: 417900	Annual Volume (m^3): 90920 Max Daily Volume (m^3): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
-	1839m NE	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE X4 - CARBONIFEROUS MILLSTONE GRIT Data Type: Poly4 Name: ZENECA FINE CHEMICAL MANUFACTURING ORGANISATION Easting: 416690 Northing: 418150	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1966 Version End Date: -
-	1839m NE	Status: Historical Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 3 - MILLSTONE GRIT Data Type: Point Name: SYNGENTA LTD Easting: 415200 Northing: 417290	Annual Volume (m^3): 881941 Max Daily Volume (m^3): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -
-	1839m NE	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 3 - MILLSTONE GRIT Data Type: Point Name: SYNGENTA LTD Easting: 415200 Northing: 417290	Annual Volume (m^3): 881941 Max Daily Volume (m^3): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -

ID	Location	Details	
-	1851m NE	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	1851m NE	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	1862m W	Status: Historical Licence No: 2/27/11/036(G) Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - MILNSBRIDGE Data Type: Point Name: YORKSHIRE WOOL DYEING CO LTD Easting: 411800 Northing: 416000	Annual Volume (m^3): 4546 Max Daily Volume (m^3): 81.828 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/09/1998 Version End Date: -
-	1889m NE	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 4 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 415180 Northing: 417400	Annual Volume (m^3): 881941 Max Daily Volume (m^3): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -

ID	Location	Details	
-	1889m NE	Status: Historical Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 4 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 415180 Northing: 417400	Annual Volume (m^3): 881941 Max Daily Volume (m^3): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -
-	1951m SW	Status: Active Licence No: 2/27/10/069 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLES X2 - MILLSTONE GRIT - LOCKWOOD Data Type: Point Name: Park Valley Huddersfield Ltd Easting: 412900 Northing: 414400	Annual Volume (m^3): 454600 Max Daily Volume (m^3): 1818 Original Application No: NPS/WR/028578 Original Start Date: 17/03/1966 Expiry Date: - Issue No: 105 Version Start Date: 23/05/2018 Version End Date: -
-	1951m SW	Status: Active Licence No: 2/27/10/069 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLES X2 - MILLSTONE GRIT - LOCKWOOD Data Type: Point Name: Park Valley Huddersfield Ltd Easting: 412900 Northing: 414400	Annual Volume (m^3): 454600 Max Daily Volume (m^3): 1818 Original Application No: NPS/WR/028578 Original Start Date: 17/03/1966 Expiry Date: - Issue No: 105 Version Start Date: 23/05/2018 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	25

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

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

ID	Location	Details	
3	490m E	Status: Active Licence No: NE/027/0011/011 Details: Non-Evaporative Cooling Direct Source: SURFACE WATER Point: HUDDERSFIELD NARROW CANAL Data Type: Point Name: Canal and River Trust Easting: 414179 Northing: 416087	Annual Volume (m^3): 1684800 Max Daily Volume (m^3): 7560 Original Application No: NPS/WR/008366 Original Start Date: 24/04/2012 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 24/04/2012 Version End Date: -
A	635m SE	Status: Historical Licence No: 2/27/10/009 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER HOLME Data Type: Point Name: TAYLOR & LODGE LTD Easting: 414200 Northing: 415800	Annual Volume (m^3): 54552 Max Daily Volume (m^3): 327.312 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1965 Version End Date: -
A	635m SE	Status: Historical Licence No: 2/27/10/009 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER HOLME - HUDDERSFIELD Data Type: Point Name: TAYLOR & LODGE LTD Easting: 414200 Northing: 415800	Annual Volume (m^3): 54552 Max Daily Volume (m^3): 327.312 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1965 Version End Date: -
-	866m E	Status: Historical Licence No: 2/27/11/175 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD NARROW CANAL Data Type: Line Name: BRITISH WATERWAYS BOARD Easting: 414650 Northing: 416010	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 22/09/1994 Expiry Date: - Issue No: 100 Version Start Date: 22/09/1994 Version End Date: -

ID	Location	Details	
-	878m W	Status: Historical Licence No: 2/27/11/148 Details: General use relating to Secondary Category (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 412800 Northing: 416000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/10/1979 Version End Date: -
-	967m E	Status: Historical Licence No: 2/27/11/175 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD NARROW CANAL Data Type: Line Name: BRITISH WATERWAYS BOARD Easting: 414650 Northing: 416010	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 22/09/1994 Expiry Date: - Issue No: 101 Version Start Date: 10/03/2003 Version End Date: -
-	996m E	Status: Historical Licence No: 2/27/11/175 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD NARROW CANAL Data Type: Line Name: Canal and River Trust Easting: 414690 Northing: 416080	Annual Volume (m^3): 1250000 Max Daily Volume (m^3): 3960 Original Application No: - Original Start Date: 22/09/1994 Expiry Date: - Issue No: 103 Version Start Date: 21/01/2008 Version End Date: -
-	1118m E	Status: Historical Licence No: 2/27/11/160 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 414800 Northing: 416400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 17/11/1993 Version End Date: -

ID	Location	Details	
-	1182m E	Status: Historical Licence No: 2/27/11/160 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: Canal and River Trust Easting: 414870 Northing: 416360	Annual Volume (m^3): 700000 Max Daily Volume (m^3): 3600 Original Application No: - Original Start Date: 01/03/1974 Expiry Date: - Issue No: 102 Version Start Date: 21/01/2008 Version End Date: -
-	1297m E	Status: Active Licence No: NE/027/0011/023 Details: Supply To A Canal For Throughflow Direct Source: SURFACE WATER Point: RIVER COLNE AT ASPLEY, HUDDERSFIELD Data Type: Point Name: Canal and River Trust Easting: 414997 Northing: 416219	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/NA/000948 Original Start Date: 31/03/2021 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 31/03/2021 Version End Date: -
-	1541m W	Status: Historical Licence No: 2/27/11/038 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: CATCHPIT - MILNSBRIDGE Data Type: Point Name: JOHN GLADSTONE (DYERS & FINISHERS) LTD Easting: 412200 Northing: 415700	Annual Volume (m^3): 90922 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 05/06/2003 Version End Date: -
-	1582m W	Status: Historical Licence No: 2/27/11/144 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 412100 Northing: 415900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/03/1980 Version End Date: -

ID	Location	Details	
-	1606m W	Status: Historical Licence No: 2/27/11/038 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: CATCHPIT Data Type: Point Name: JOHN CROWTHER & SONS (MILNSBRIDGE) LTD Easting: 412100 Northing: 415800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/01/1966 Version End Date: -
-	1684m S	Status: Active Licence No: 2/27/10/126/R01 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER Point: RIVER HOLME - LOCKWOOD Data Type: Point Name: HUDDERSFIELD RUGBY UNION FOOTBALL CLUB LTD Easting: 413120 Northing: 414600	Annual Volume (m^3): 4800 Max Daily Volume (m^3): 136 Original Application No: NPS/WR017082 Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2019 Version End Date: -
-	1755m S	Status: Historical Licence No: 2/27/10/121 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER Point: RIVER HOLME Data Type: Point Name: HUDDERSFIELD RUGBY UNION FOOTBALL CLUB Easting: 413200 Northing: 414500	Annual Volume (m^3): 7208 Max Daily Volume (m^3): 136 Original Application No: - Original Start Date: 27/03/1997 Expiry Date: 31/10/2006 Issue No: 101 Version Start Date: 11/01/2000 Version End Date: -
-	1755m S	Status: Historical Licence No: 2/27/10/126 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER Point: RIVER HOLME Data Type: Point Name: HUDDERSFIELD RUGBY UNION FOOTBALL CLUB Easting: 413200 Northing: 414500	Annual Volume (m^3): 4800 Max Daily Volume (m^3): 136 Original Application No: - Original Start Date: 01/01/2007 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 01/01/2007 Version End Date: -
-	1755m S	Status: Historical Licence No: 2/27/10/126 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER Point: RIVER HOLME - LOCKWOOD Data Type: Point Name: HUDDERSFIELD RUGBY UNION FOOTBALL CLUB Easting: 413200 Northing: 414500	Annual Volume (m^3): 4800 Max Daily Volume (m^3): 136 Original Application No: - Original Start Date: 01/01/2007 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 01/01/2007 Version End Date: -

ID	Location	Details	
-	1757m NE	Status: Historical Licence No: 2/27/11/182 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD BROAD CANAL Data Type: Point Name: BRITISH WATERWAYS Easting: 414800 Northing: 417600	Annual Volume (m^3): 170000 Max Daily Volume (m^3): 750 Original Application No: - Original Start Date: 10/07/1998 Expiry Date: 31/12/2006 Issue No: 100 Version Start Date: 10/07/1998 Version End Date: -
-	1892m S	Status: Historical Licence No: 2/27/10/029 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HEBBLE DYKE Data Type: Point Name: DUNSLEY ENGINEERS LTD Easting: 413800 Northing: 414300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 29/06/1988 Version End Date: -
-	1892m S	Status: Historical Licence No: 2/27/10/029 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HEBBLE DYKE Data Type: Point Name: DUNSLEY ENGINEERS LTD Easting: 413800 Northing: 414300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 29/06/1988 Version End Date: -
-	1902m NE	Status: Active Licence No: 2/27/11/158 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD BROAD CANAL - HUDERSFIELD INCINERATOR Data Type: Point Name: Canal and River Trust Easting: 414830 Northing: 417760	Annual Volume (m^3): 273000 Max Daily Volume (m^3): 1090 Original Application No: 5182 Original Start Date: 27/10/1972 Expiry Date: - Issue No: 103 Version Start Date: 21/01/2008 Version End Date: -

ID	Location	Details	
-	1902m NE	Status: Historical Licence No: 2/27/11/158 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD BROAD CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 414830 Northing: 417760	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 27/10/1972 Expiry Date: - Issue No: 102 Version Start Date: 26/10/1999 Version End Date: -
-	1947m W	Status: Historical Licence No: 2/27/11/036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE - MILNSBRIDGE Data Type: Point Name: YORKSHIRE WOOL DYEING CO LTD Easting: 411717 Northing: 415978	Annual Volume (m^3): 68190 Max Daily Volume (m^3): 273.7 Original Application No: - Original Start Date: 25/06/2014 Expiry Date: - Issue No: 2 Version Start Date: 20/08/2014 Version End Date: -
-	1962m W	Status: Historical Licence No: 2/27/11/036(S) Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: YORKSHIRE WOOL DYEING CO LTD Easting: 411700 Northing: 416000	Annual Volume (m^3): 68190 Max Daily Volume (m^3): 273.669 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/09/1998 Version End Date: -
-	1962m W	Status: Historical Licence No: 2/27/11/036(S) Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE - MILNSBRIDGE Data Type: Point Name: YORKSHIRE WOOL DYEING CO LTD Easting: 411700 Northing: 416000	Annual Volume (m^3): 68190 Max Daily Volume (m^3): 273.669 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/09/1998 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	8

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

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

ID	Location	Details	
-	1599m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414140 Northing: 417770	Annual Volume (m^3): 90920 Max Daily Volume (m^3): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
-	1715m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414210 Northing: 417870	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	1715m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BRITVIC SOFT DRINKS LTD Easting: 414210 Northing: 417870	Annual Volume (m^3): 360000 Max Daily Volume (m^3): 1200 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/11/2004 Version End Date: -
-	1715m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT- HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414210 Northing: 417870	Annual Volume (m^3): 90920 Max Daily Volume (m^3): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -

ID	Location	Details	
-	1756m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414250 Northing: 417900	Annual Volume (m^3): 90920 Max Daily Volume (m^3): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
-	1851m NE	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	1851m NE	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	1951m SW	Status: Active Licence No: 2/27/10/069 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLES X2 - MILLSTONE GRIT - LOCKWOOD Data Type: Point Name: Park Valley Huddersfield Ltd Easting: 412900 Northing: 414400	Annual Volume (m^3): 454600 Max Daily Volume (m^3): 1818 Original Application No: NPS/WR/028578 Original Start Date: 17/03/1966 Expiry Date: - Issue No: 105 Version Start Date: 23/05/2018 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology

Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	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 74 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
B	58m S	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal

ID	Location	Type of water feature	Ground level	Permanence	Name
5	75m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Colne
A	104m SW	Lock or flight of locks. An enclosure in a canal or navigable river with gates and sluices at either end.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
C	120m SW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
9	208m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Gledholt Beck
10	217m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Colne

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	6

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

Features are displayed on the Hydrology map on **page 74 >**

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 74 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River**	**Colne from Wessenden Brook to R Holme**	**GB104027063330**	**Colne and Holme**	**Aire and Calder**

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

6.4 WFD Surface water bodies

Records identified	**2**

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 74 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
2	47m S	Canal	Huddersfield Narrow Canal east section	GB70410269 ↗	Moderate	Fail	Good	2019
4	76m S	River	Colne from Wessenden Brook to R Holme	GB104027063330 ↗	Moderate	Fail	Moderate	2019

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 74 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	**On site**	**Aire & Calder Carb Limestone / Millstone Grit / Coal Measures.**	**GB40402G700400** ↗	**Poor**	**Poor**	**Good**	**2019**

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 the sea

Records within 50m	0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding

Site Outline
Search buffers in metres (m)

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

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

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

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

8.1 Surface water flooding

Highest risk on site	**1 in 1000 year, 0.1m - 0.3m**
Highest risk within 50m	**1 in 30 year, Greater than 1.0m**

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

Features are displayed on the Surface water flooding map on **page 81 >**

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

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

Return period	Maximum modelled depth
1 in 1000 year	Between 0.1m and 0.3m
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	**Low**

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 83 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations

Site Outline

Search buffers in metres (m)

Local Nature Reserves (LNR)

Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 84 >**

ID	Location	Name	Data source
1	328m NW	Gledholt Woods	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	0

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

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 84 >**

ID	Location	Name	Local Authority name
2	1269m W	South and West Yorkshire	Kirklees

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m	0

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

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

SSSI Impact Zones and Units

Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 89 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Minerals, Oil and Gas - Oil & gas exploration/extraction.** **Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 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

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Site Outline

Search buffers in metres (m)

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

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	12

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

Features are displayed on the Visual and cultural designations map on **page 91 >**

ID	Location	Name	Grade	Reference Number	Listed date
1	21m N	Spring Lodge	II	1066569	29/09/1978
A	42m SW	160, Manchester Road	II	1215805	29/09/1978
A	43m SW	162, Manchester Road	II	1134951	29/09/1978
A	45m SW	No. 164 Manchester Road	II	1313528	29/09/1978
2	65m N	14 And 15, Woodthorpe Terrace	II	1066568	29/09/1978
A	66m SW	166 And 168, Manchester Road	II	1215820	29/09/1978

ID	Location	Name	Grade	Reference Number	Listed date
A	76m SW	1-5, Longroyd Lane	II	1288221	29/09/1978
3	81m SW	Calder And Hebble Navigation Bridge Taking Manchester Road Huddersfield Narrow Canal Bridge Taking Manchester Road	II	1210229	29/09/1978
4	115m N	Railway Tunnel Portals Mvl3/86 And Mvl3/87, East End Of Gledholt Tunnels	II	1220138	29/09/1978
5	133m E	Church Of St Thomas	II*	1134950	03/05/1952
6	154m NE	Railway Tunnel Portals Mvl3/88 And Mvl3/89, West End Of Huddersfield Tunnels	II	1313765	29/09/1978
7	241m NW	Railway Tunnel Portals Mvl3/86 And Mvl3/87, West End Of Gledholt Tunnels	II	1134436	29/09/1978

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

11.5 Conservation Areas

Records within 250m	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations

Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	1

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

Features are displayed on the Agricultural designations map on **page 95 >**

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

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. 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	7

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 97 >**

ID	Location	Main Habitat	Other habitats
1	33m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	70m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	75m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	96m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
6	186m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	211m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	217m S	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	1

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.

Features are displayed on the Habitat designations map on **page 97 >**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
5	144m NE	NLUD Ref: 471800771	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m	0

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

remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability

Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m	1

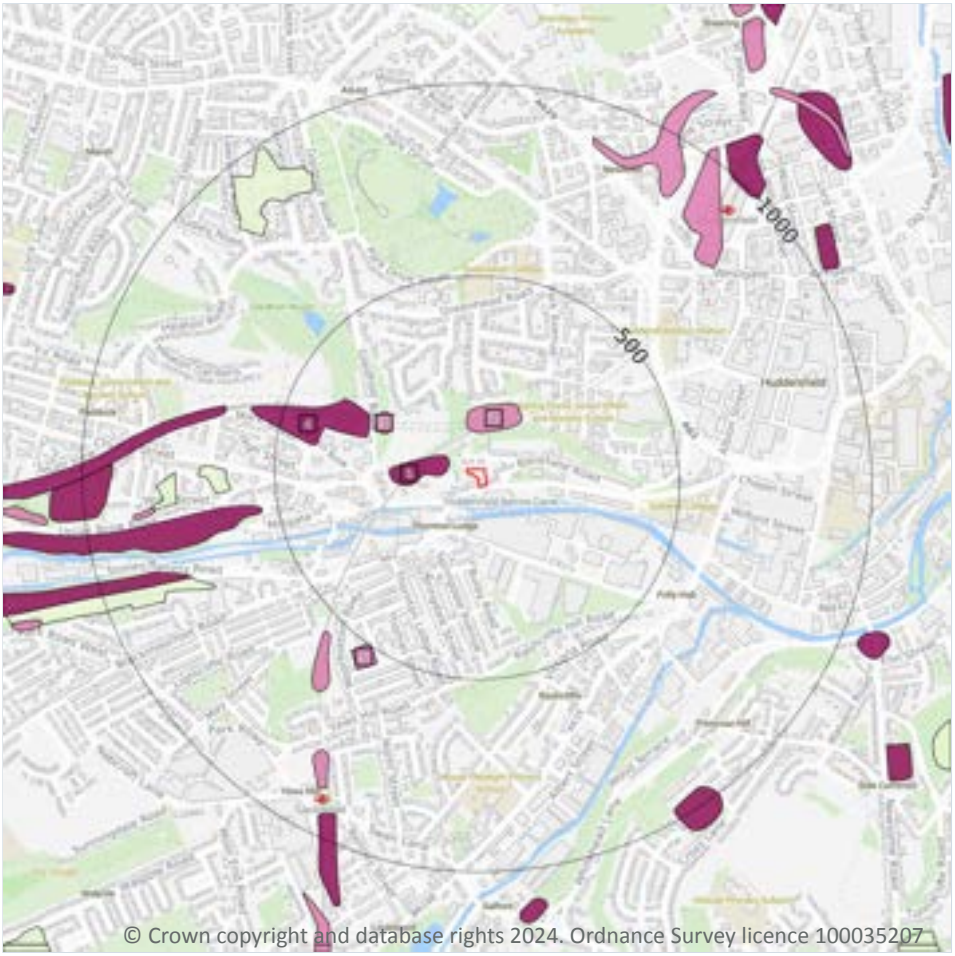
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 100 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SE11NW**

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m	5

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.

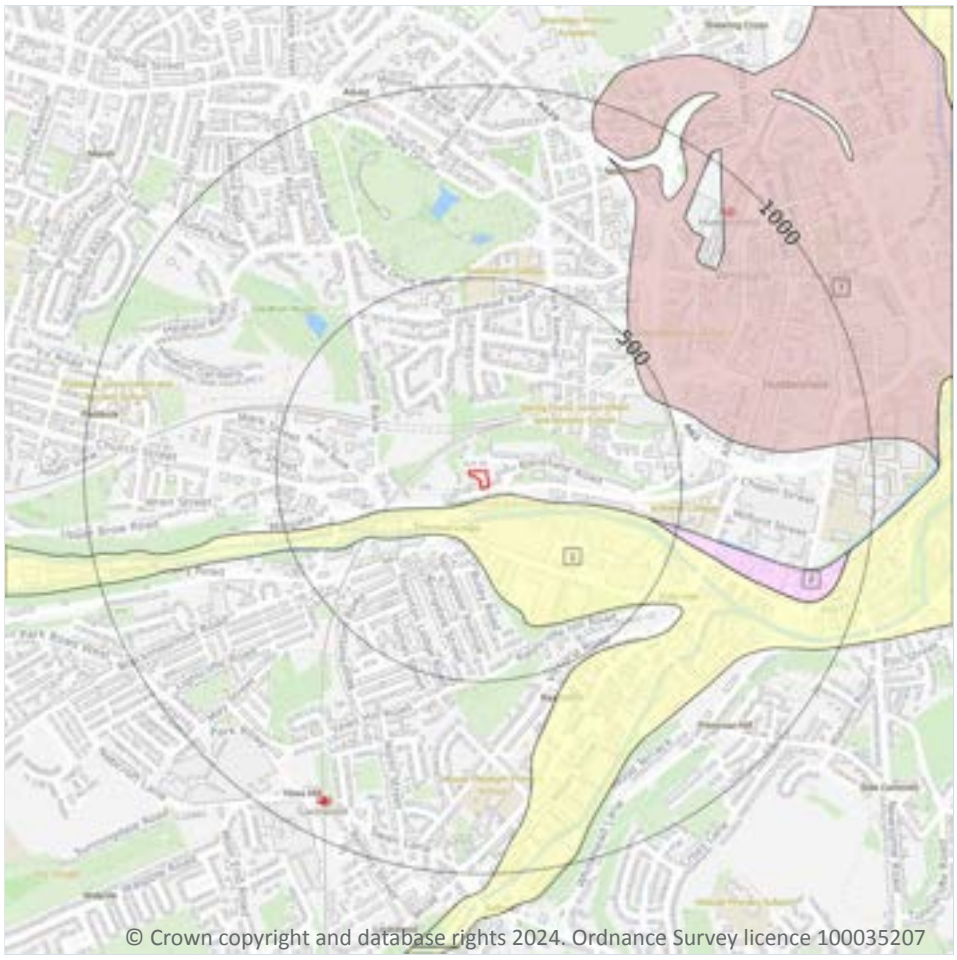
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 101 >**

ID	Location	LEX Code	Description	Rock description
1	48m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	96m N	WGR-VOID	Worked Ground (Undivided)	Void
3	222m NW	WGR-VOID	Worked Ground (Undivided)	Void
4	273m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	497m SW	WGR-VOID	Worked Ground (Undivided)	Void

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



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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	3

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 103 >**

ID	Location	LEX Code	Description	Rock description
1	25m S	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel
2	427m E	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene - Sand And Gravel	Sand And Gravel
3	461m NE	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.

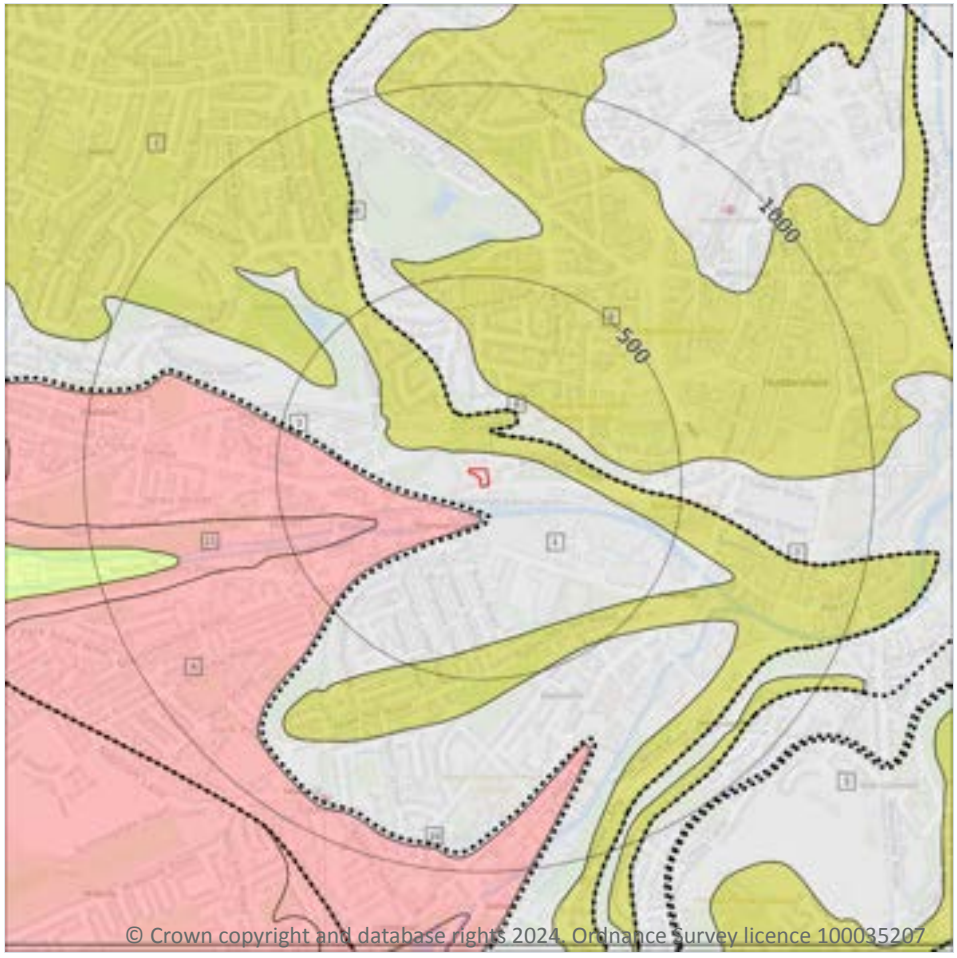
14.4 Landslip (10k)

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



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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	6

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 105 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**PLCM-MDSS**	**Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone**	**Langsettian Sub-age**
2	43m N	SBF-SDST	Soft Bed Flags - Sandstone	Langsettian Sub-age
4	74m S	RR-SDST	Rough Rock - Sandstone	Yeadonian Sub-age

ID	Location	LEX Code	Description	Rock age
5	96m N	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
9	200m N	MBR-SDST	Middle Band Rock - Sandstone	Langsettian Sub-age
11	272m SW	RF-SDST	Rough Rock Flags - Sandstone	Yeadonian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**5**

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 105 >**

ID	Location	Category	Description
3	63m S	FOSSIL_HORIZON	Fossil horizon, marine band
6	96m N	ROCK	Coal seam, observed
7	97m NE	ROCK	Coal seam, inferred
8	147m N	ROCK	Coal seam, inferred
10	257m SW	FOSSIL_HORIZON	Fossil horizon, marine band

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability

Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

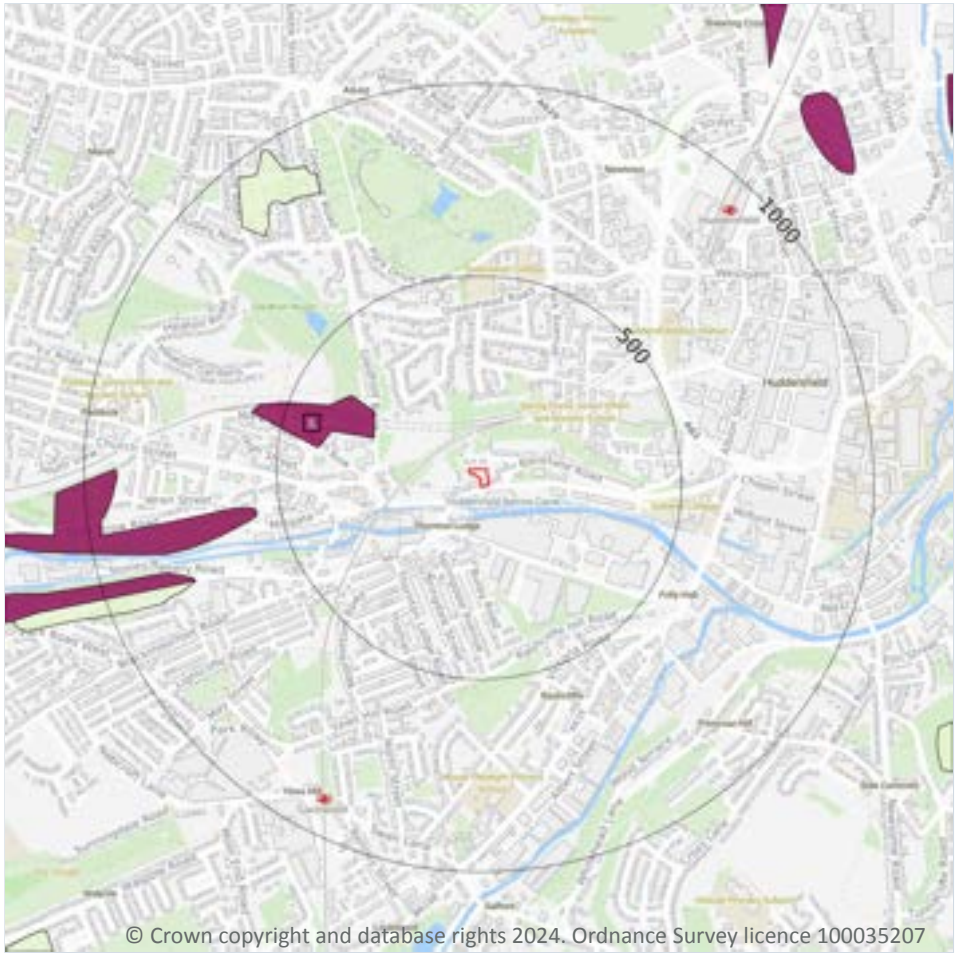
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 107 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW077_huddersfield_v4**

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m	1

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 108 >**

ID	Location	LEX Code	Description	Rock description
1	260m W	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

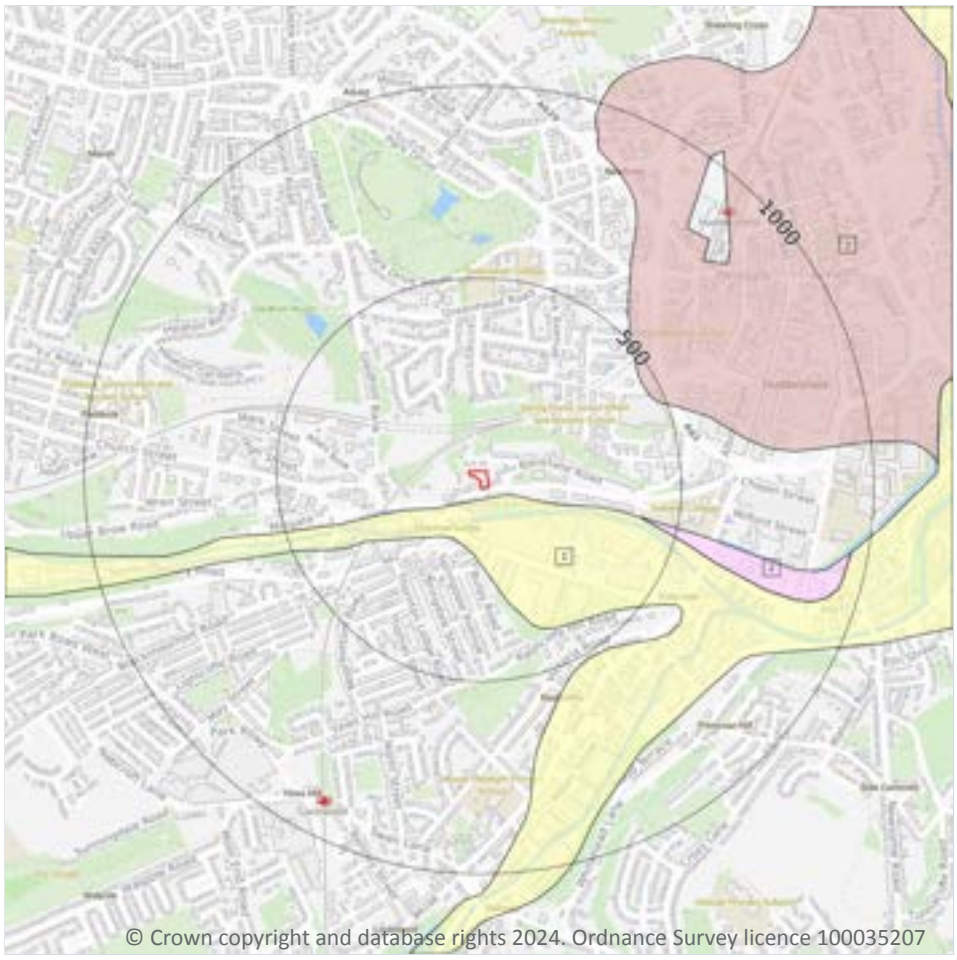
15.3 Artificial ground permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



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Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m	3

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 110 >**

ID	Location	LEX Code	Description	Rock description
1	27m SE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	400m E	GFDMP-XSV	GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE	SAND AND GRAVEL
3	462m NE	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	1

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

Location	Flow type	Maximum permeability	Minimum permeability
27m SE	Intergranular	High	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

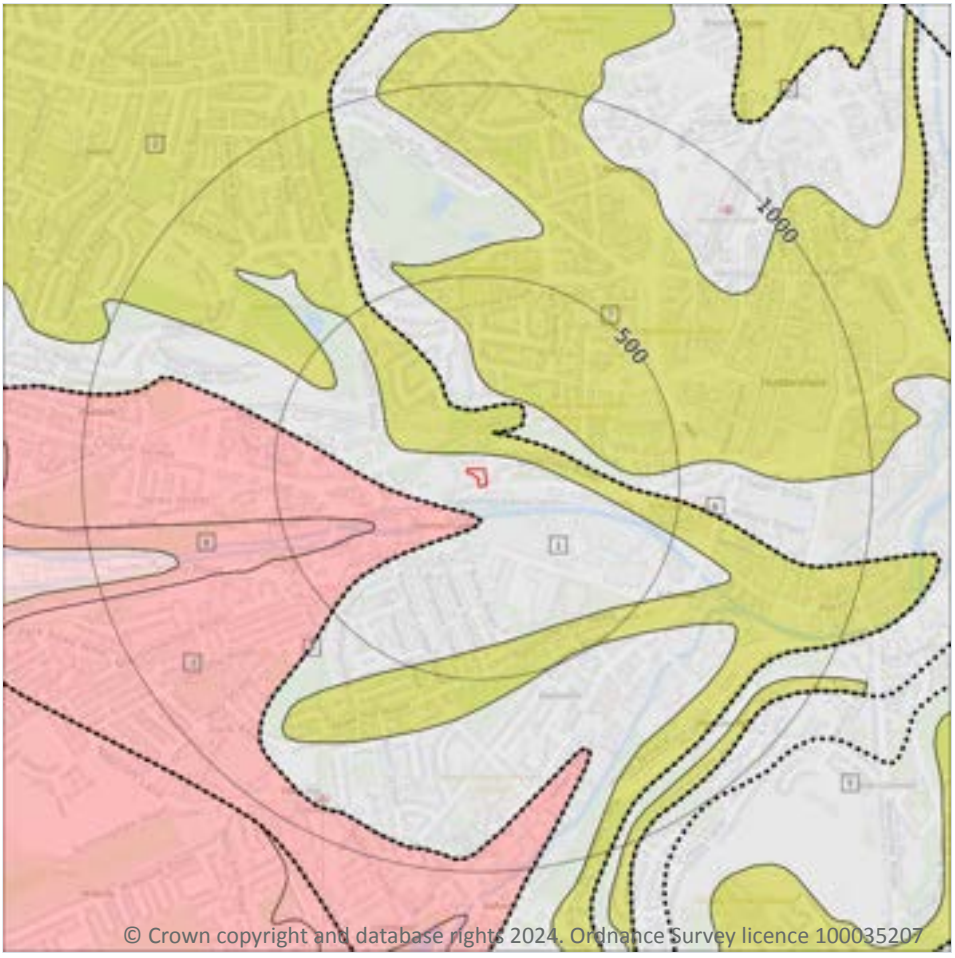
15.7 Landslip permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m	6

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 112 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**PLCM-MDSS**	**PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE**	**WESTPHALIAN**
2	39m N	SBF-SDST	SOFT BED FLAGS - SANDSTONE	WESTPHALIAN
3	74m S	RR-SDST	ROUGH ROCK - SANDSTONE	NAMURIAN

ID	Location	LEX Code	Description	Rock age
5	97m N	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
7	198m N	MBR-SDST	MIDDLE BAND ROCK - SANDSTONE	WESTPHALIAN
8	277m SW	RF-SDST	ROUGH ROCK FLAGS - SANDSTONE	NAMURIAN

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**
39m N	Fracture	High	Moderate

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	2

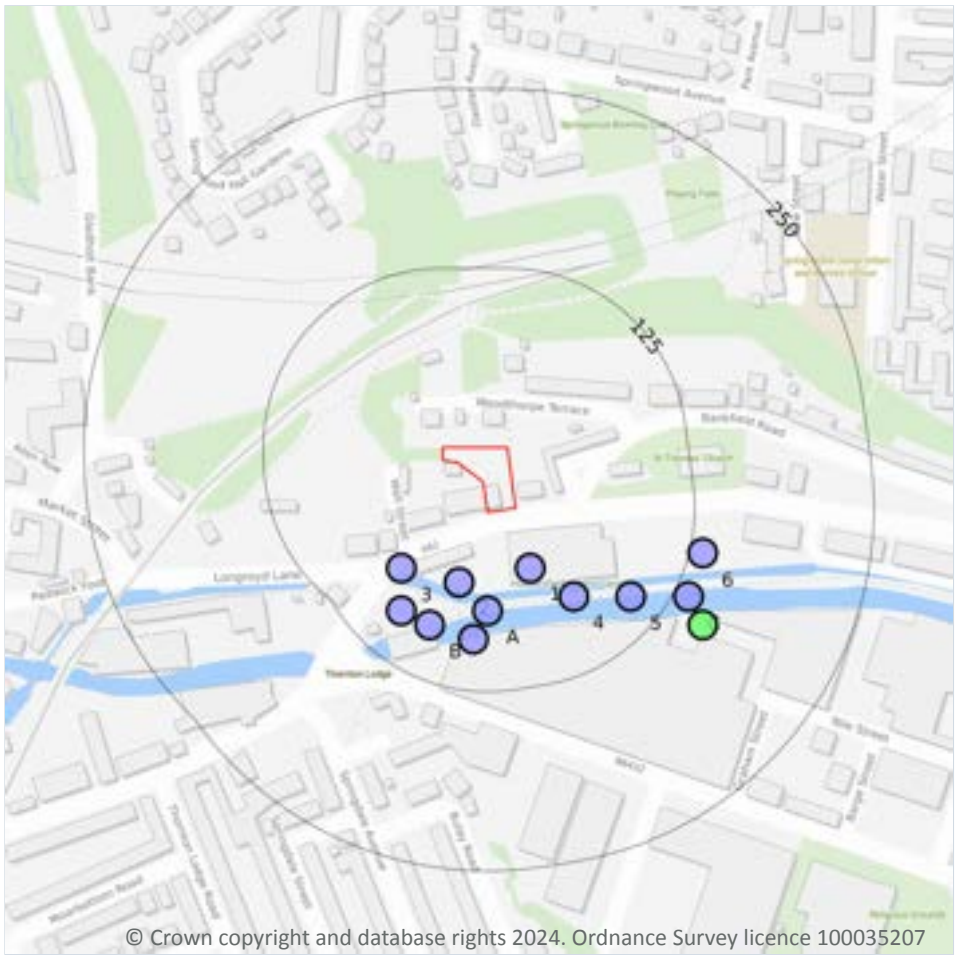
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 112 >**

ID	Location	Category	Description
4	74m S	FOSSIL_HORIZON	Marine band
6	97m N	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



Site Outline

Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m	12

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.

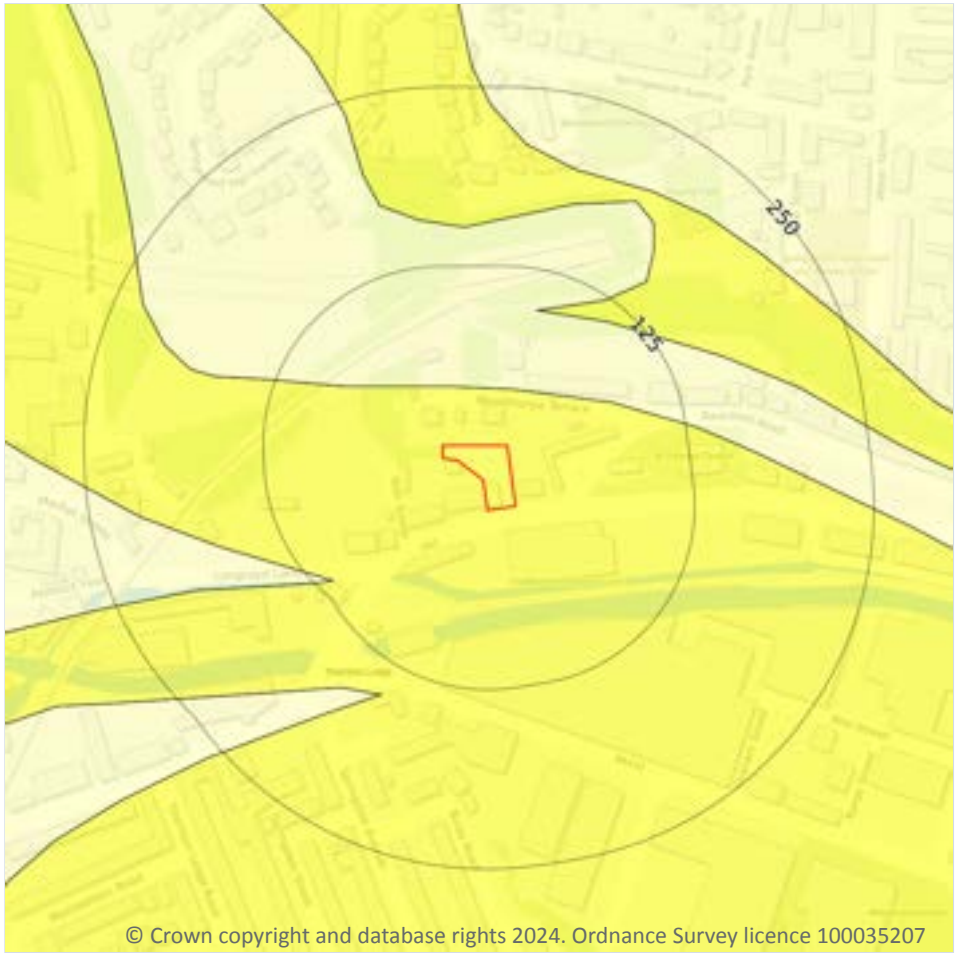
Features are displayed on the Boreholes map on **page 114 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	43m SE	413710 416150	MANCHESTER ROAD HUDDERSFIELD TP5	2.7	N	18463514 ↗
2	53m S	413660 416140	MANCHESTER ROAD HUDDERSFIELD TP3	2.2	N	18463512 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	69m S	413680 416120	MANCHESTER ROAD HUDDERSFIELD TP4	3.2	N	18463513 ↗
3	71m SW	413620 416150	LONGROYD BR. HUDDERSFIELD 1	5.8	N	41210 ↗
4	74m SE	413740 416130	MANCHESTER ROAD HUDDERSFIELD TP6	2.0	N	18463515 ↗
B	88m S	413640 416110	MANCHESTER ROAD HUDDERSFIELD TP2	2.7	N	18463511 ↗
A	89m S	413670 416100	LONGROYD BRIDGE TROLLEY BUS DEPOT	4.22	N	15630898 ↗
B	91m SW	413620 416120	MANCHESTER ROAD HUDDERSFIELD TP1	3.7	N	18463510 ↗
5	101m SE	413780 416130	MANCHESTER ROAD HUDDERSFIELD TP7	1.8	N	18463516 ↗
6	134m E	413830 416160	MANCHESTER ROAD HUDDERSFIELD TP11	1.5	N	18463518 ↗
C	135m SE	413820 416130	MANCHESTER ROAD HUDDERSFIELD TP8	2.1	N	18463517 ↗
C	154m SE	413830 416110	SKA TEXTILES, ST THOMAS ROAD, HUDDERSFIELD	22.0	N	13691942 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



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Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	2

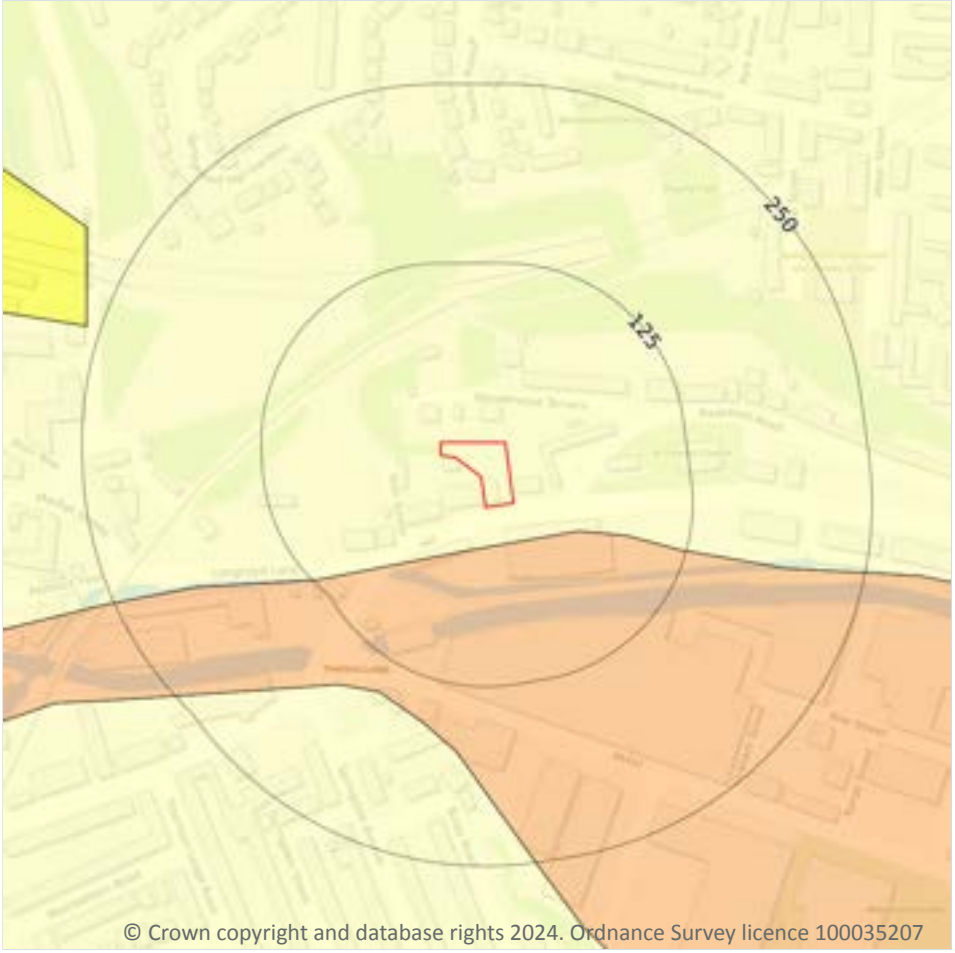
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 116 >**

Location	Hazard rating	Details
On site	**Very low**	**Ground conditions predominantly low plasticity.**
39m N	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.

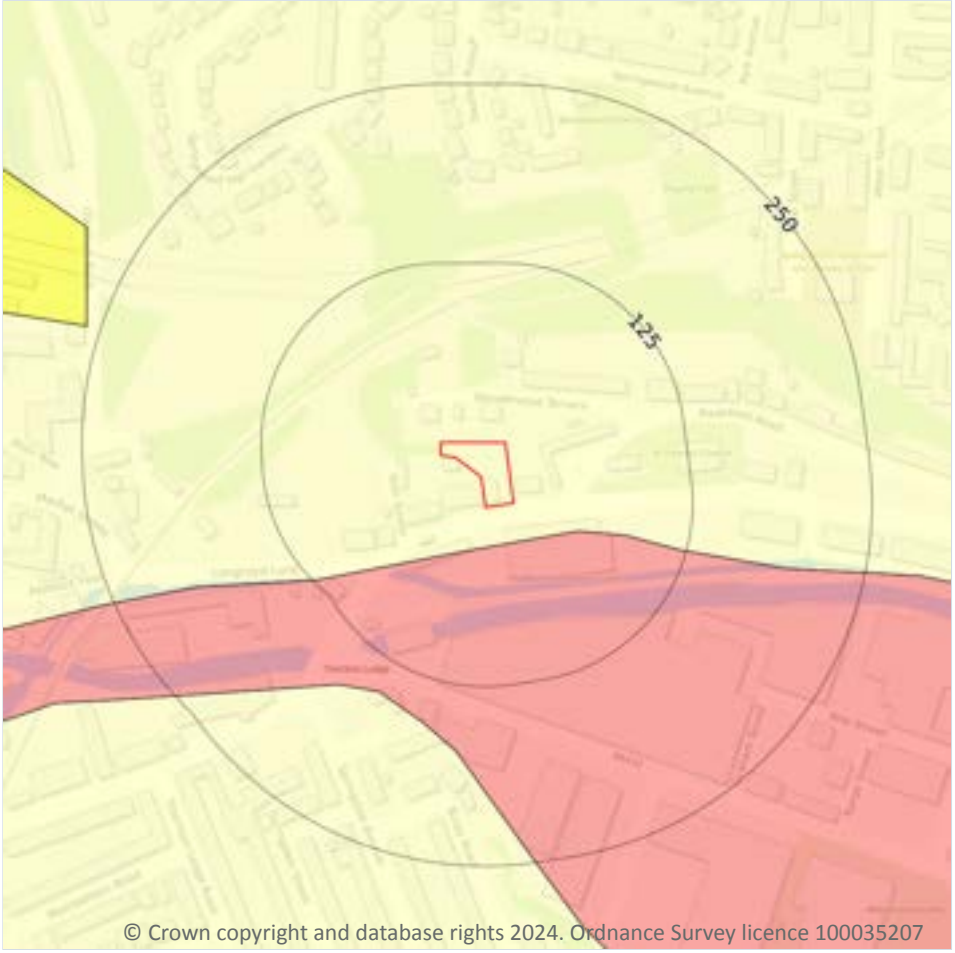
Features are displayed on the Natural ground subsidence - Running sands map on **page 117 >**

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
27m SE	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



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Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	2

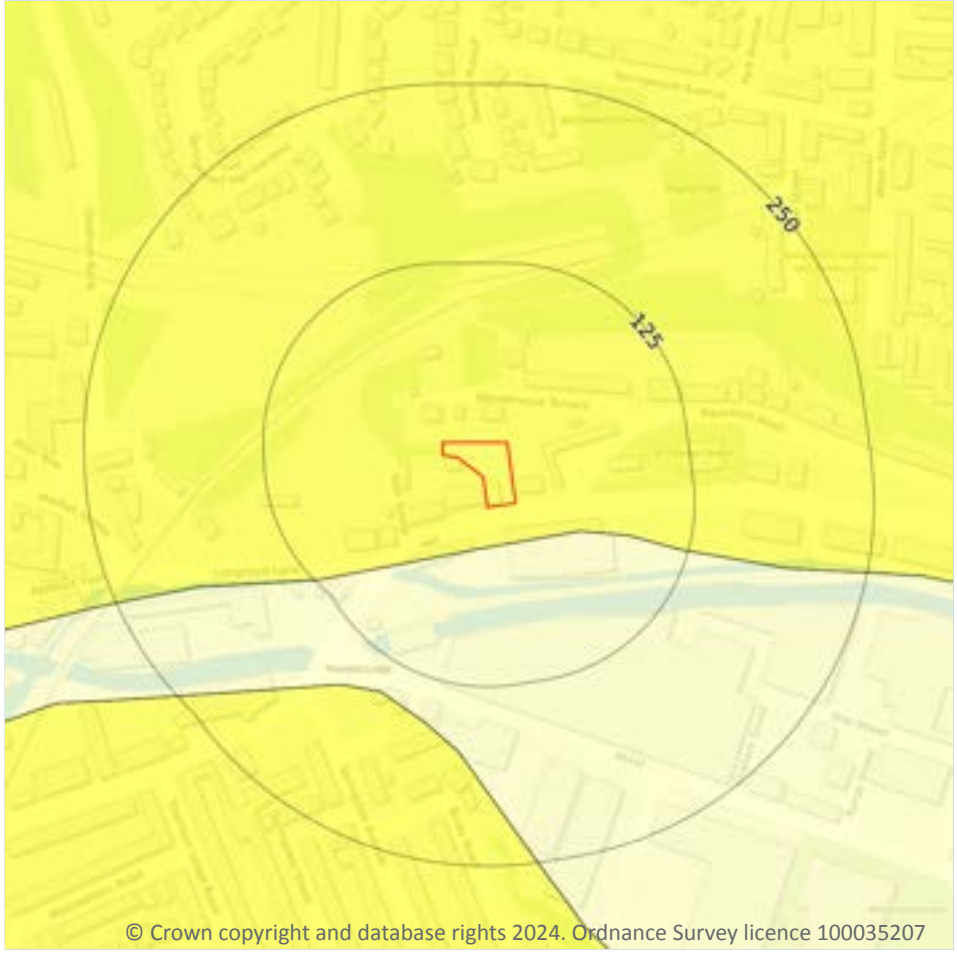
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 119 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
27m SE	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	2

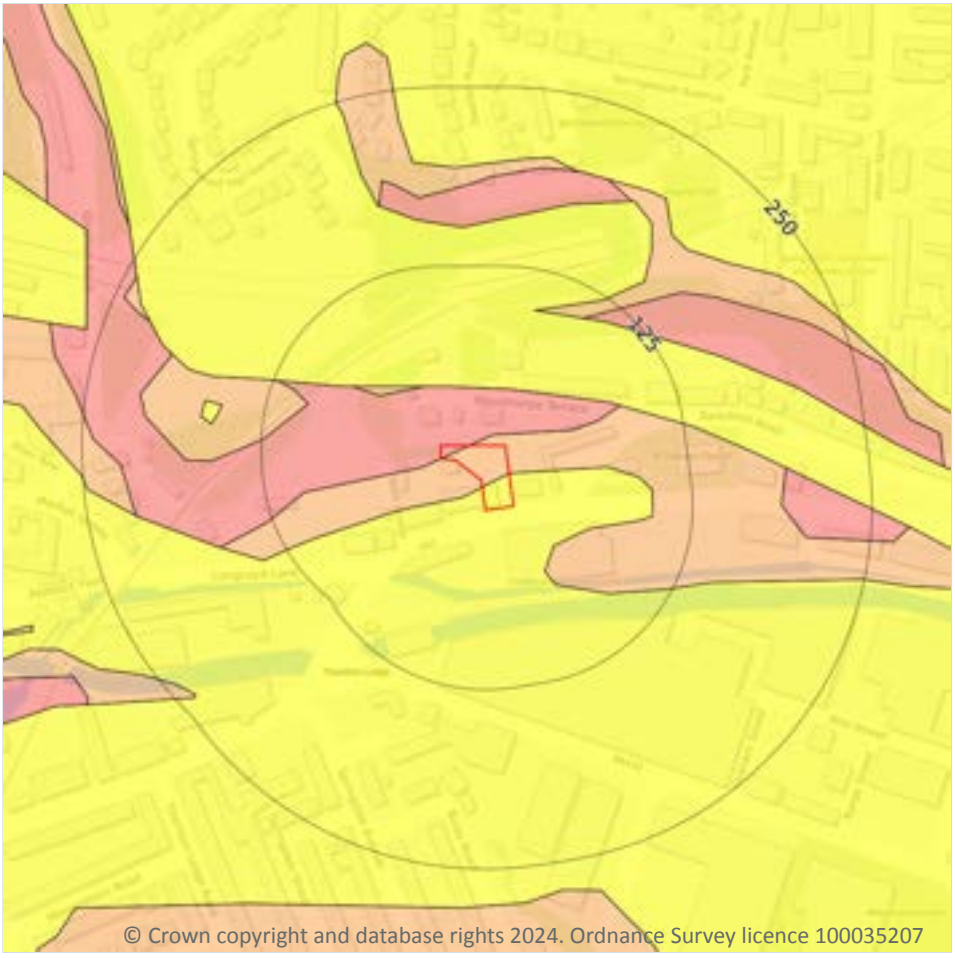
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 121 >**

Location	Hazard rating	Details
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**
27m SE	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	4

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 122 >**

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.**

Location	Hazard rating	Details
On site	**Low**	**Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.**
On site	**Moderate**	**Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.**
43m NW	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks

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Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	1

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 124 >**

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 and ground workings

Site Outline

Search buffers in metres (m)

- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining

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 BritPits

Records within 500m	1

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

Features are displayed on the Mining and ground workings map on **page 126 >**

ID	Location	Details	Description
N	454m S	Name: Rashcliffe Address: Lockwood, HUDDERSFIELD, West 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

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	31

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 and ground workings map on **page 126 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	17m S	Disused Canal	1985	1:10000
A	17m S	Canal	1966	1:10560
A	17m S	Disused Canal	1975	1:10000
A	17m S	Canal	1956	1:10560
A	19m S	Canal	1938	1:10560
A	22m S	Canal	1948	1:10560
A	22m S	Canal	1905	1:10560
A	26m SE	Canal	1889	1:10560
B	53m W	Unspecified Ground Workings	1948	1:10560
B	53m W	Unspecified Ground Workings	1905	1:10560
C	67m S	Canal	1985	1:10000
C	67m S	Canal	1966	1:10560
C	67m S	Canal	1975	1:10000
C	67m S	Canal	1956	1:10560
D	69m NW	Cuttings	1938	1:10560
D	70m NW	Cuttings	1956	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
E	91m N	Cuttings	1889	1:10560
E	95m N	Cuttings	1948	1:10560
E	95m N	Cuttings	1905	1:10560
F	97m W	Unspecified Heap	1956	1:10560
E	98m N	Cuttings	1985	1:10000
E	98m N	Cuttings	1966	1:10560
E	98m N	Cuttings	1975	1:10000
F	165m W	Unspecified Heap	1985	1:10000
F	165m W	Unspecified Heap	1966	1:10560
F	165m W	Unspecified Heap	1975	1:10000
2	166m N	Unspecified Ground Workings	1889	1:10560
I	224m NW	Unspecified Ground Workings	1889	1:10560
I	236m NW	Cuttings	1985	1:10000
I	236m NW	Cuttings	1966	1:10560
I	236m NW	Cuttings	1975	1:10000

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	**35**

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 and ground workings map on **page 126 >**

ID	Location	Land Use	Year of mapping	Mapping scale
G	101m N	Tunnel	1948	1:10560
G	101m N	Tunnel	1905	1:10560
G	105m N	Tunnel	1975	1:10000
G	105m N	Tunnel	1951	1:10560
G	105m N	Tunnel	1985	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
G	105m N	Tunnel	1966	1:10560
G	114m N	Tunnel	1948	1:10560
G	114m N	Tunnel	1905	1:10560
G	119m N	Tunnel	1975	1:10000
G	119m N	Tunnel	1951	1:10560
G	119m N	Tunnel	1985	1:10000
G	119m N	Tunnel	1966	1:10560
H	143m NE	Tunnel	1948	1:10560
H	143m NE	Tunnel	1905	1:10560
H	147m NE	Tunnels	1975	1:10000
H	147m NE	Tunnels	1951	1:10560
H	147m NE	Tunnels	1985	1:10000
H	147m NE	Tunnels	1966	1:10560
H	153m NE	Tunnel	1948	1:10560
H	153m NE	Tunnel	1905	1:10560
H	157m NE	Tunnels	1975	1:10000
H	157m NE	Tunnels	1951	1:10560
H	157m NE	Tunnels	1985	1:10000
H	157m NE	Tunnels	1966	1:10560
K	369m NE	Unspecified Shafts	1975	1:10000
K	369m NE	Unspecified Shafts	1985	1:10000
K	401m NE	Unspecified Shafts	1975	1:10000
K	401m NE	Unspecified Shafts	1985	1:10000
S	658m SW	Tunnel	1975	1:10000
S	658m SW	Tunnel	1951	1:10560
S	658m SW	Tunnel	1985	1:10000
S	658m SW	Tunnel	1966	1:10560
S	662m SW	Tunnel	1948	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
S	662m SW	Tunnel	1905	1:10560
-	883m SE	Colliery	1905	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from 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 and ground workings map on **page 126 >**

ID	Location	Name	Commodity	Class	Likelihood
1	74m S	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 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.

18.8 The Coal Authority non-coal mining

Records within 500m	0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 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.

18.13 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.

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 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 Ground cavities and sinkholes

19.1 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.

19.2 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.

19.3 Reported recent incidents

Records within 500m	0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m	0

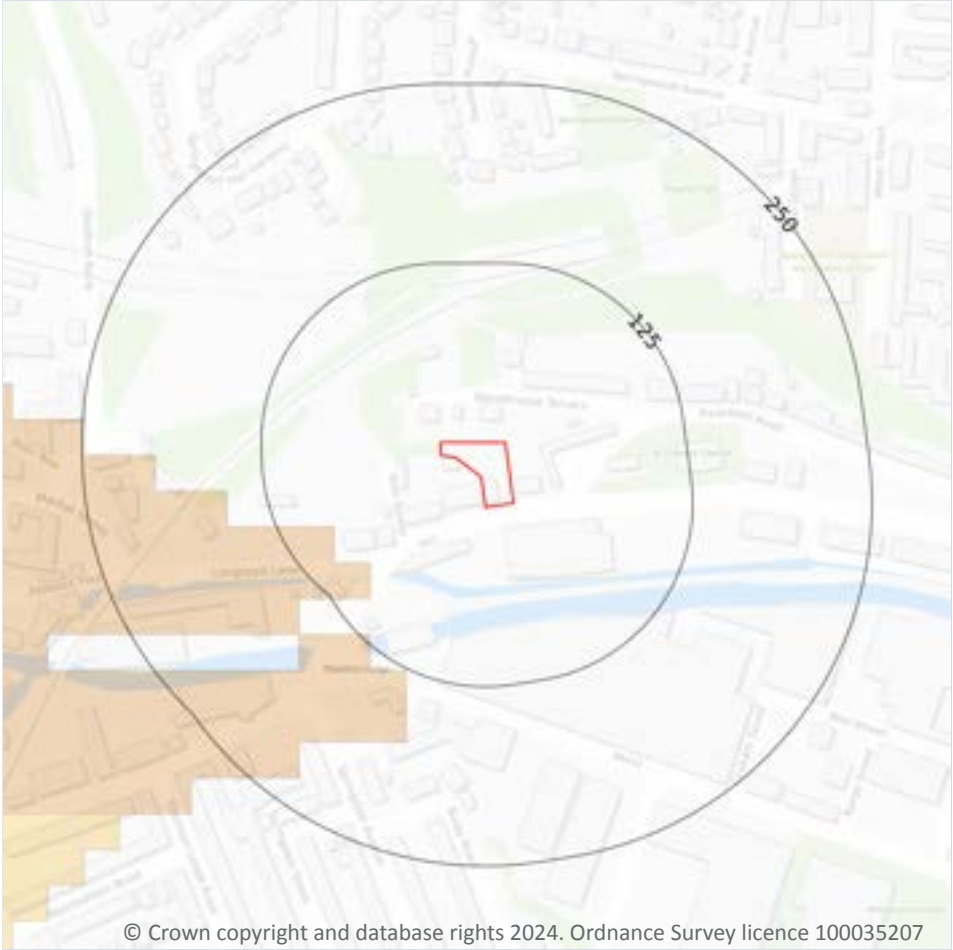
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.

20 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%

20.1 Radon

Records on site	1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on **page 136 >**

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

This data is sourced from the British Geological Survey and UK Health Security Agency.

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	3

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**>180 mg/kg**	**45 - 60 mg/kg**
27m SE	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	120 - 180 mg/kg	30 - 45 mg/kg
39m N	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 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.

21.3 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.

22 Railway infrastructure and projects

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

22.1 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.

22.2 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.

22.3 Railway tunnels

Records within 250m	4

Railway tunnels taken from contemporary Ordnance Survey mapping.

Features are displayed on the Railway infrastructure and projects map on **page 139 >**

Location	Type
108m N	Railway Tunnel
122m N	Railway Tunnel
149m NE	Railway Tunnel
159m NE	Railway Tunnel

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	75

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 139 >**

Location	Land Use	Year of mapping	Mapping scale
72m NW	Railway Sidings	1907	2500
72m NW	Railway Sidings	1918	2500
72m NW	Railway Sidings	1932	2500
73m NW	Railway Sidings	1960	2500
73m NW	Railway Sidings	1960	1250
86m S	Tramway Sidings	1907	2500
86m S	Tramway Sidings	1918	2500
86m S	Tramway Sidings	1932	2500
100m N	Tunnel	1907	2500
100m N	Tunnel	1918	2500

Location	Land Use	Year of mapping	Mapping scale
100m N	Tunnel	1932	2500
101m N	Tunnel	1948	10560
101m N	Tunnel	1905	10560
103m N	Tunnel	1993	1250
103m N	Tunnel	1996	1250
103m N	Tunnel	1975	-
103m N	Tunnel	1960	1250
104m N	Tunnel	1960	2500
104m N	Tunnel	1983	1250
105m N	Tunnel	1975	10000
105m N	Tunnel	1956	10560
105m N	Tunnel	1985	10000
105m N	Tunnel	1966	10560
114m N	Tunnel	1948	10560
114m N	Tunnel	1905	10560
115m N	Tunnel	1907	2500
115m N	Tunnel	1918	2500
115m N	Tunnel	1932	2500
115m NW	Tunnel	1938	10560
117m N	Tunnel	1993	1250
117m N	Tunnel	1996	1250
117m N	Tunnel	1975	-
117m N	Tunnel	1960	1250
119m N	Tunnel	1975	10000
119m N	Tunnel	1956	10560
119m N	Tunnel	1985	10000
119m N	Tunnel	1966	10560
143m NE	Tunnel	1918	2500

Location	Land Use	Year of mapping	Mapping scale
143m NE	Tunnel	1932	2500
143m NE	Tunnel	1948	10560
143m NE	Tunnel	1905	10560
146m NE	Tunnel	1993	1250
146m NE	Tunnel	1996	1250
146m NE	Tunnel	1975	-
146m NE	Tunnel	1960	2500
146m NE	Tunnel	1938	10560
147m NE	Tunnel	1983	1250
147m NE	Tunnel	1960	1250
147m NE	Tunnels	1975	10000
147m NE	Tunnels	1985	10000
147m NE	Tunnels	1966	10560
147m NE	Tunnels	1956	10560
153m NE	Tunnel	1948	10560
153m NE	Tunnel	1905	10560
156m NE	Tunnel	1907	2500
157m NE	Tunnel	1993	1250
157m NE	Tunnel	1996	1250
157m NE	Tunnel	1975	-
157m NE	Tunnels	1975	10000
157m NE	Tunnels	1985	10000
157m NE	Tunnels	1966	10560
157m NE	Tunnels	1956	10560
158m S	Tramway Sidings	1932	2500
158m NE	Tunnel	1960	1250
166m NE	Tunnel	1907	2500
178m NW	Tunnel	1986	1250

Location	Land Use	Year of mapping	Mapping scale
178m NW	Tunnel	1960	1250
178m NW	Tunnel	1972	1250
178m NW	Tunnel	1993	1250
187m NW	Tunnel	1960	1250
187m NW	Tunnel	1972	1250
187m NW	Tunnel	1993	1250
232m NW	Railway Sidings	1889	10560
236m NW	Railway Sidings	1975	10000
236m NW	Railway Sidings	1985	10000

This data is sourced from Ordnance Survey/Groundsure.

22.5 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.

22.6 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.

22.7 Railways

Records within 250m	24

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 139 >**

Location	Name	Type
82m NW	Not given	Single Track
84m NW	Penistone Line	rail
100m N	Not given	Single Track
104m W	Not given	Single Track
107m N	Huddersfield Line	rail
108m N	Huddersfield Line	rail
108m N	Not given	Single Track
112m N		rail
112m N	Penistone Line	rail
122m N	Huddersfield Line	rail
123m N	Not given	Single Track
124m N	Huddersfield Line	rail
140m NE	Not given	Multi Track
146m NE	Penistone Line	rail
149m NE	Huddersfield Line	rail
151m W	Penistone Line	rail
154m NE	Not given	Single Track
157m W	Not given	Single Track
158m NE	Huddersfield Line	rail
201m NE	Huddersfield Line	rail
239m NW	Not given	Single Track
240m NW	Huddersfield Line	rail
244m NW	Huddersfield Line	rail
245m NW	Not given	Single Track

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 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.

22.9 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.

22.10 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

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

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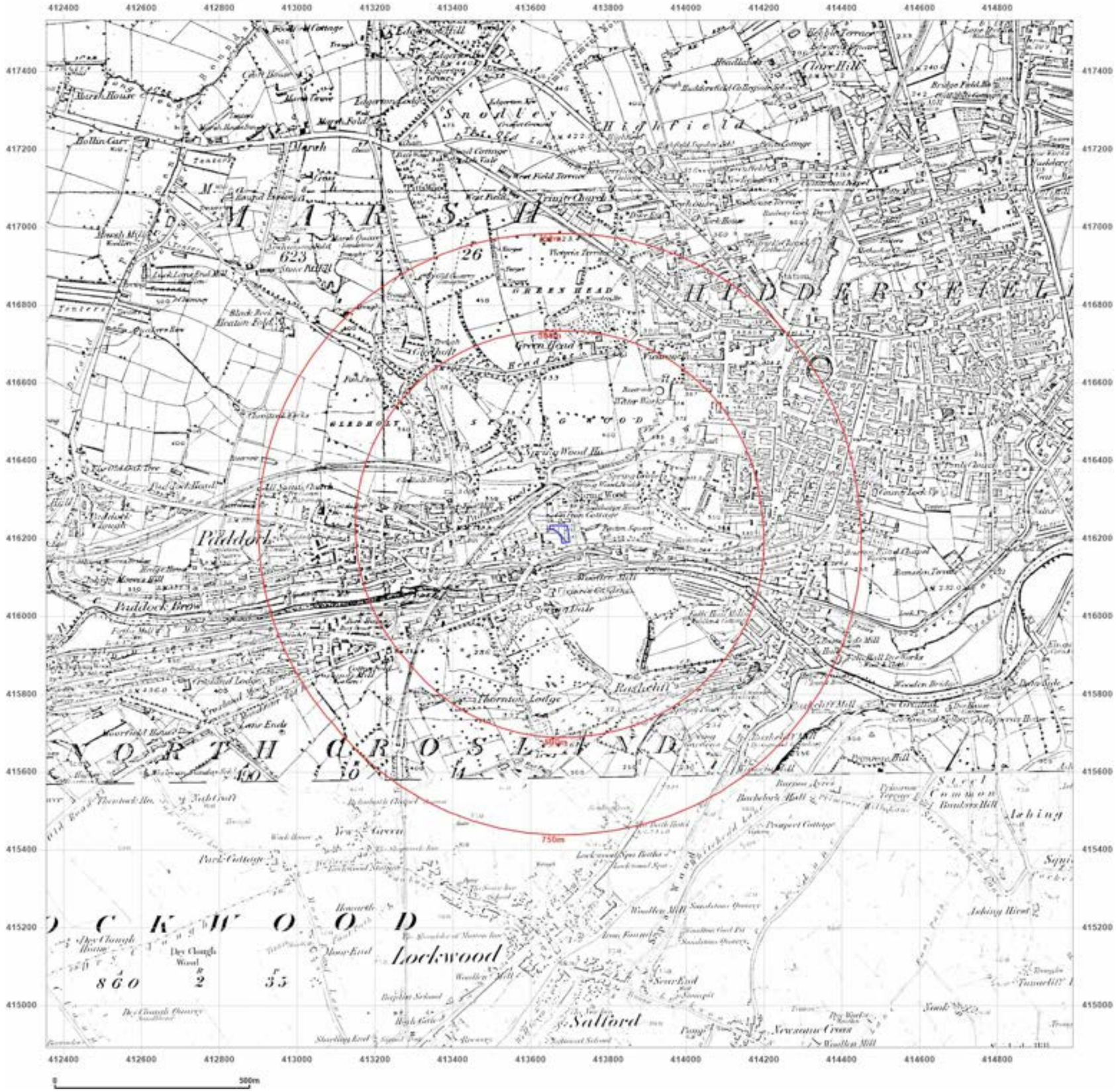

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Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: County Series

Map date: **1854**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1850
Revised N/A
Edition 1854
Copyright N/A
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Surveyed 1851
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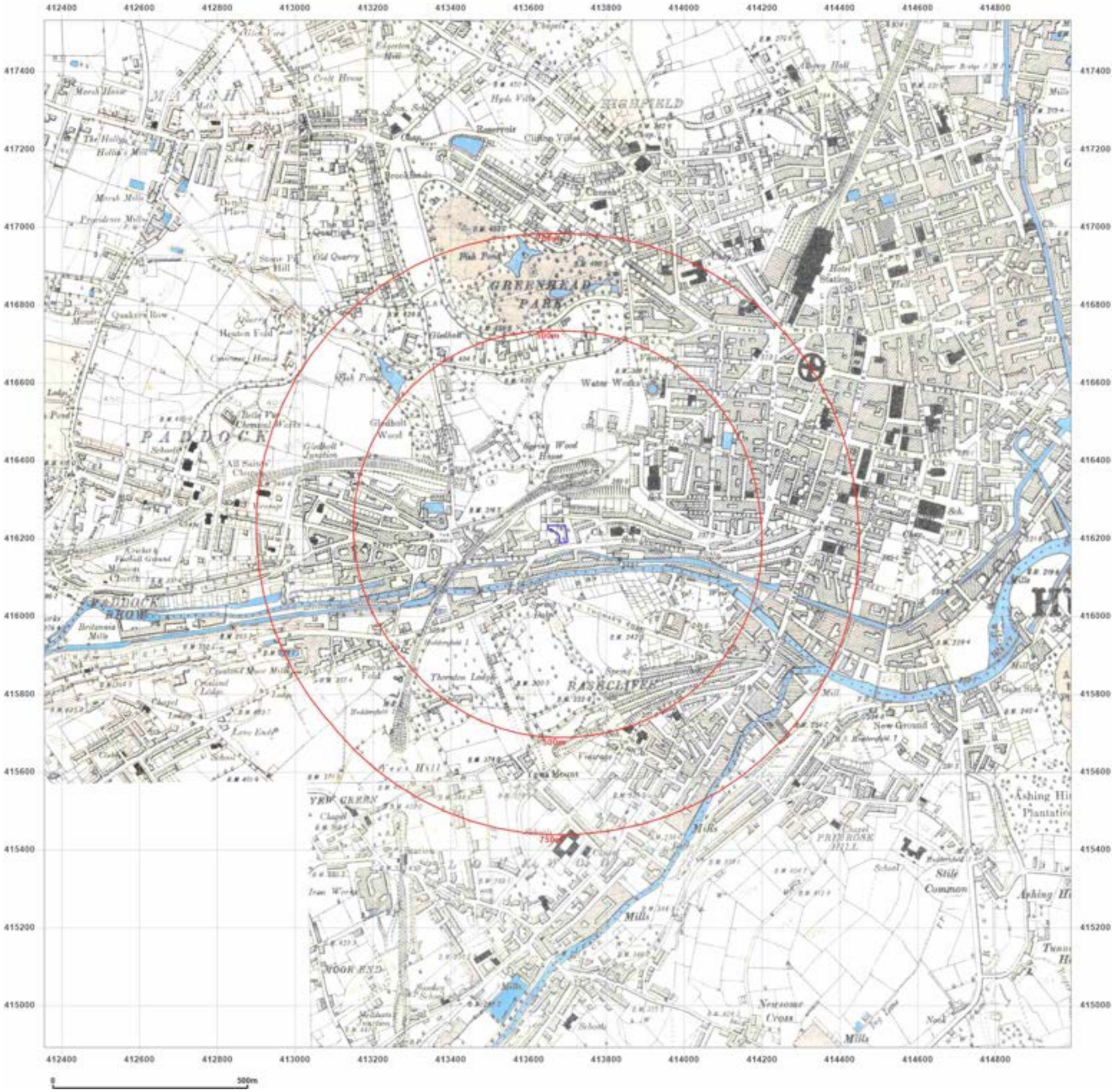

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Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: County Series

Map date: **1888-1891**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1889
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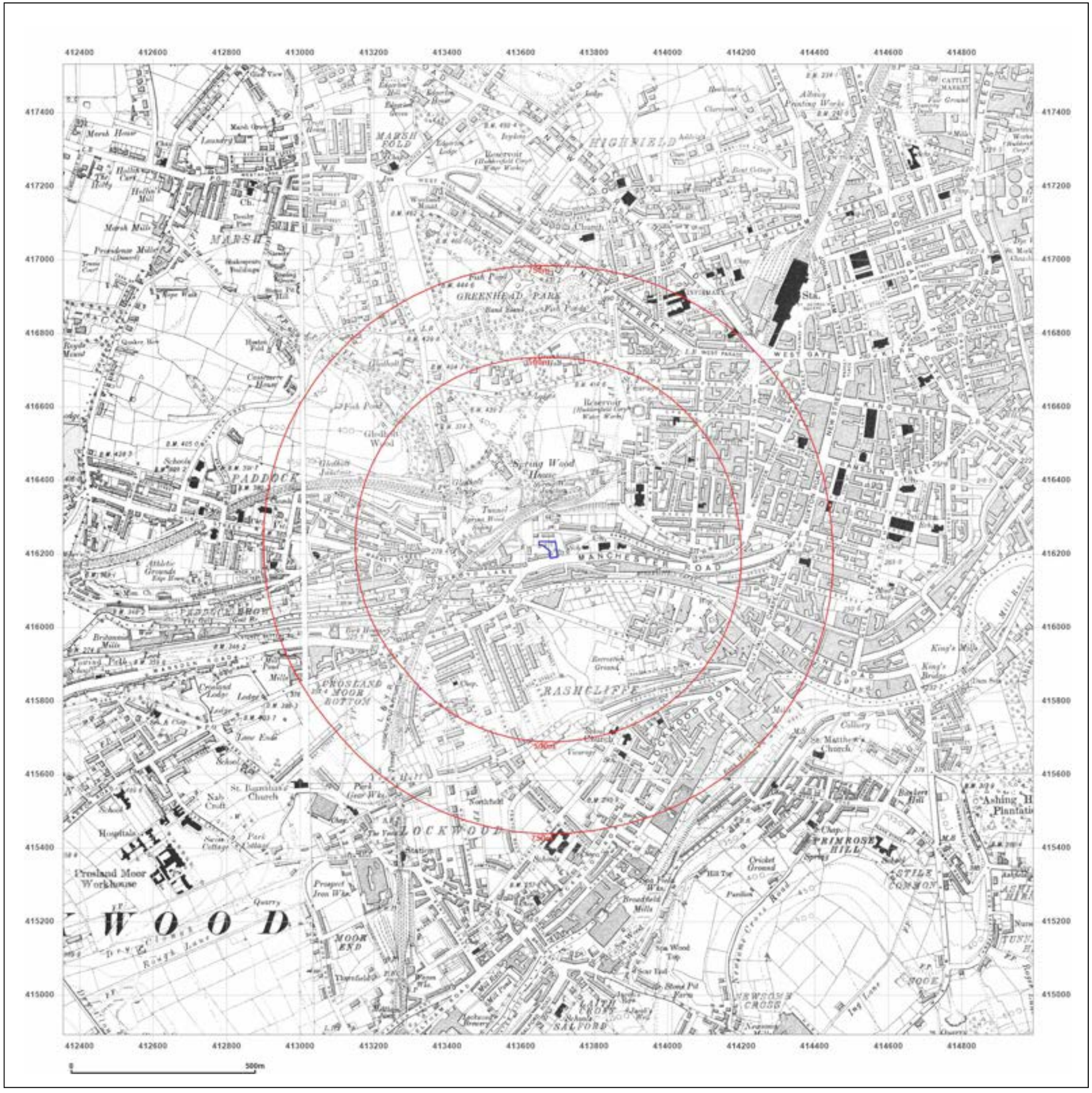

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Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: County Series

Map date: **1905**

Scale: 1:10,560

Printed at: 1:10,560

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Edition N/A
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Surveyed 1889
Revised 1905
Edition N/A
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Levelled N/A

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Site Details:

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Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: County Series

Map date: **1930-1931**

Scale: 1:10,560

Printed at: 1:10,560

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Edition N/A
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Surveyed 1851
Revised 1930
Edition 1930
Copyright N/A
Levelled 1931

Surveyed 1851
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Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

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Edition 1938
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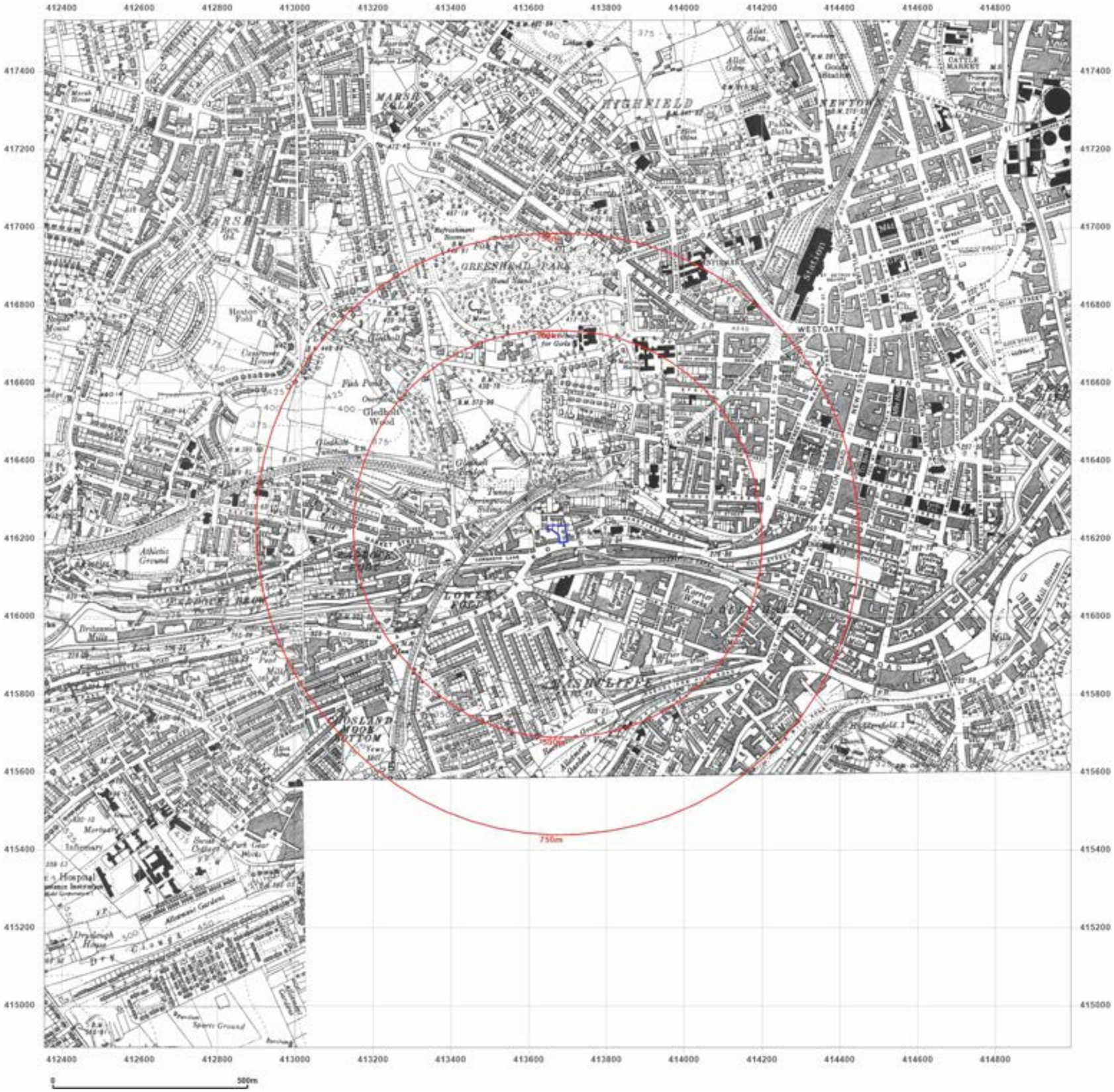

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: County Series

Map date: **1948**

Scale: 1:10,560

Printed at: 1:10,560

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Edition N/A
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Surveyed 1851
Revised 1948
Edition N/A
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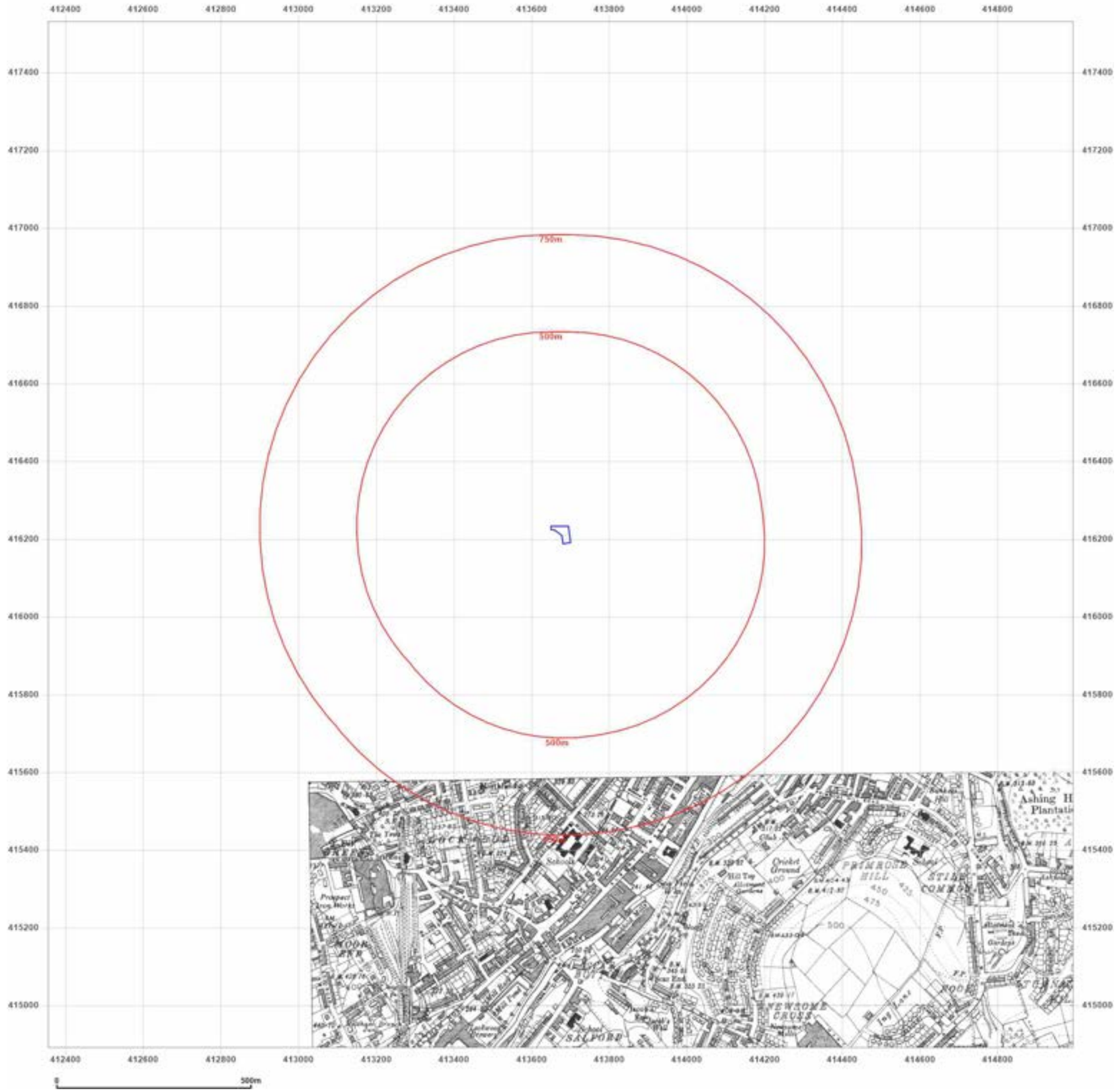

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: County Series

Map date: **1948**

Scale: 1:10,560

Printed at: 1:10,560

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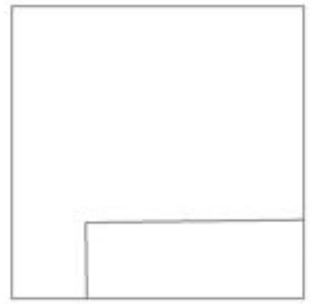

Surveyed 1851
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

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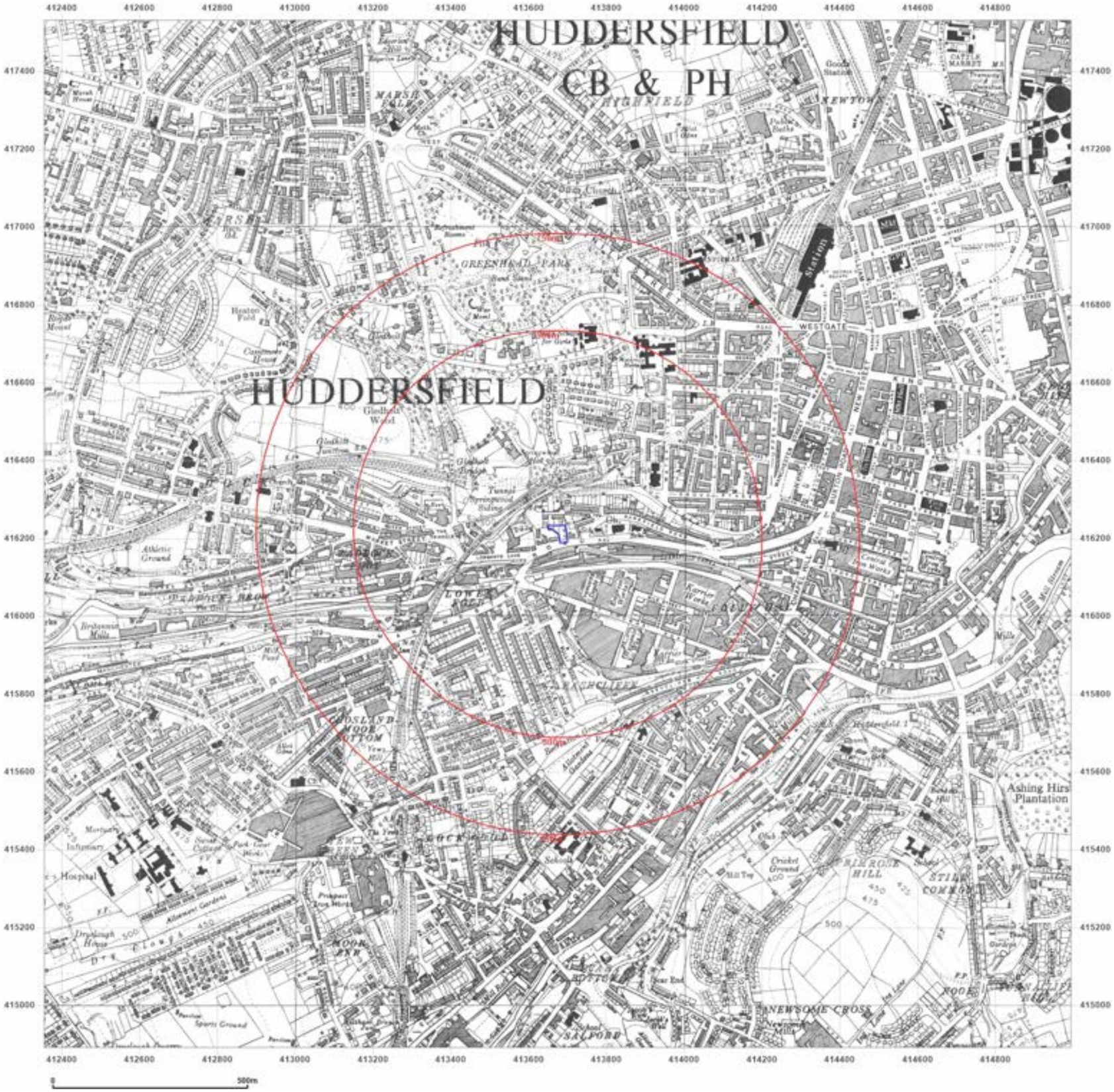

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Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: Provisional

Map date: **1956**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1951
Revised 1951
Edition N/A
Copyright 1956
Levelled N/A

Surveyed N/A
Revised 1955
Edition 1956
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Levelled N/A

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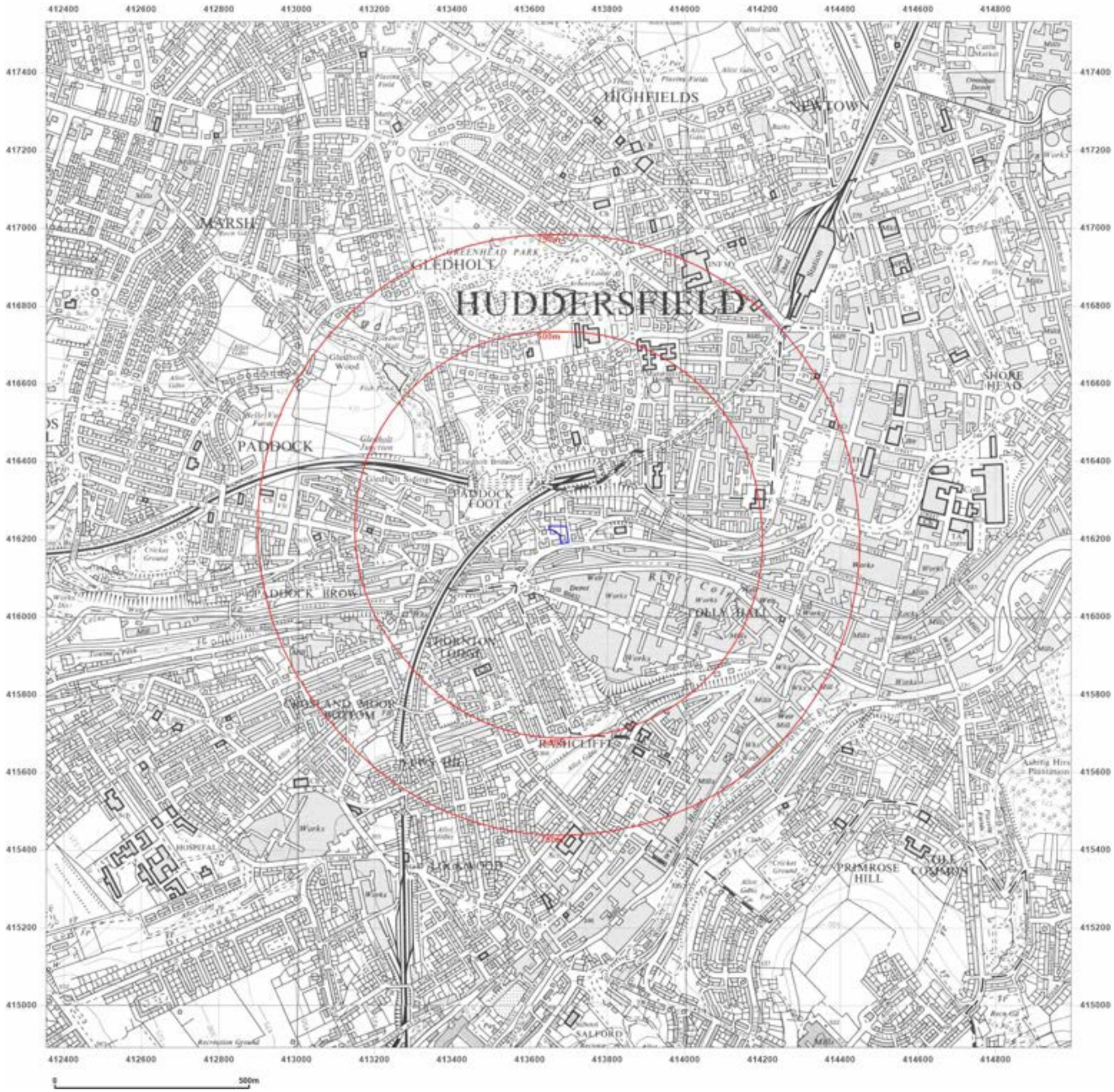

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: Provisional

Map date: **1966-1969**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1966
Revised 1966
Edition N/A
Copyright N/A
Levelled N/A

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

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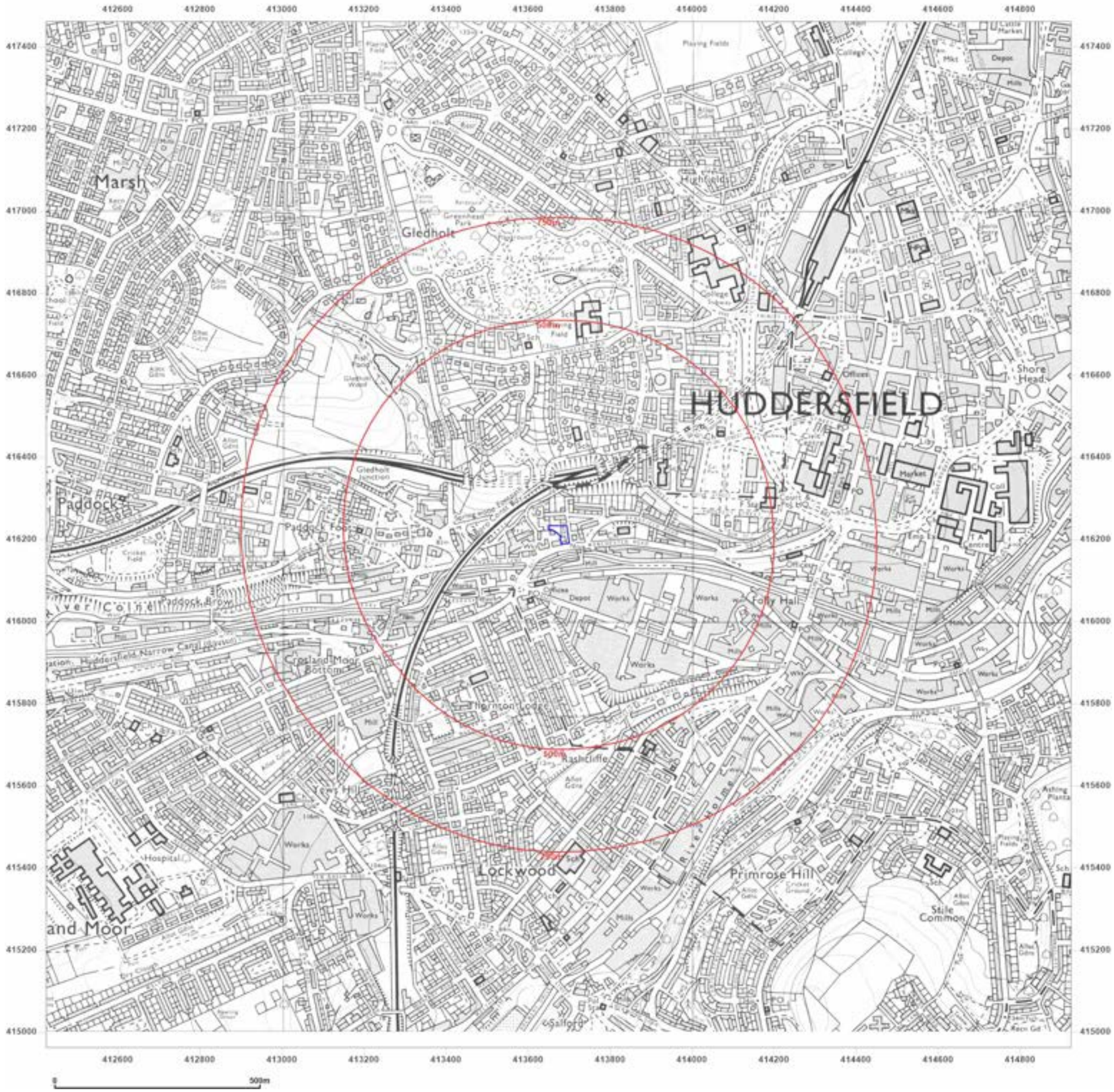

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: National Grid

Map date: **1975**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1974
Revised 1975
Edition N/A
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Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: National Grid

Map date: **1984-1985**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1984
Revised 1985
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1983
Revised 1984
Edition N/A
Copyright N/A
Levelled N/A

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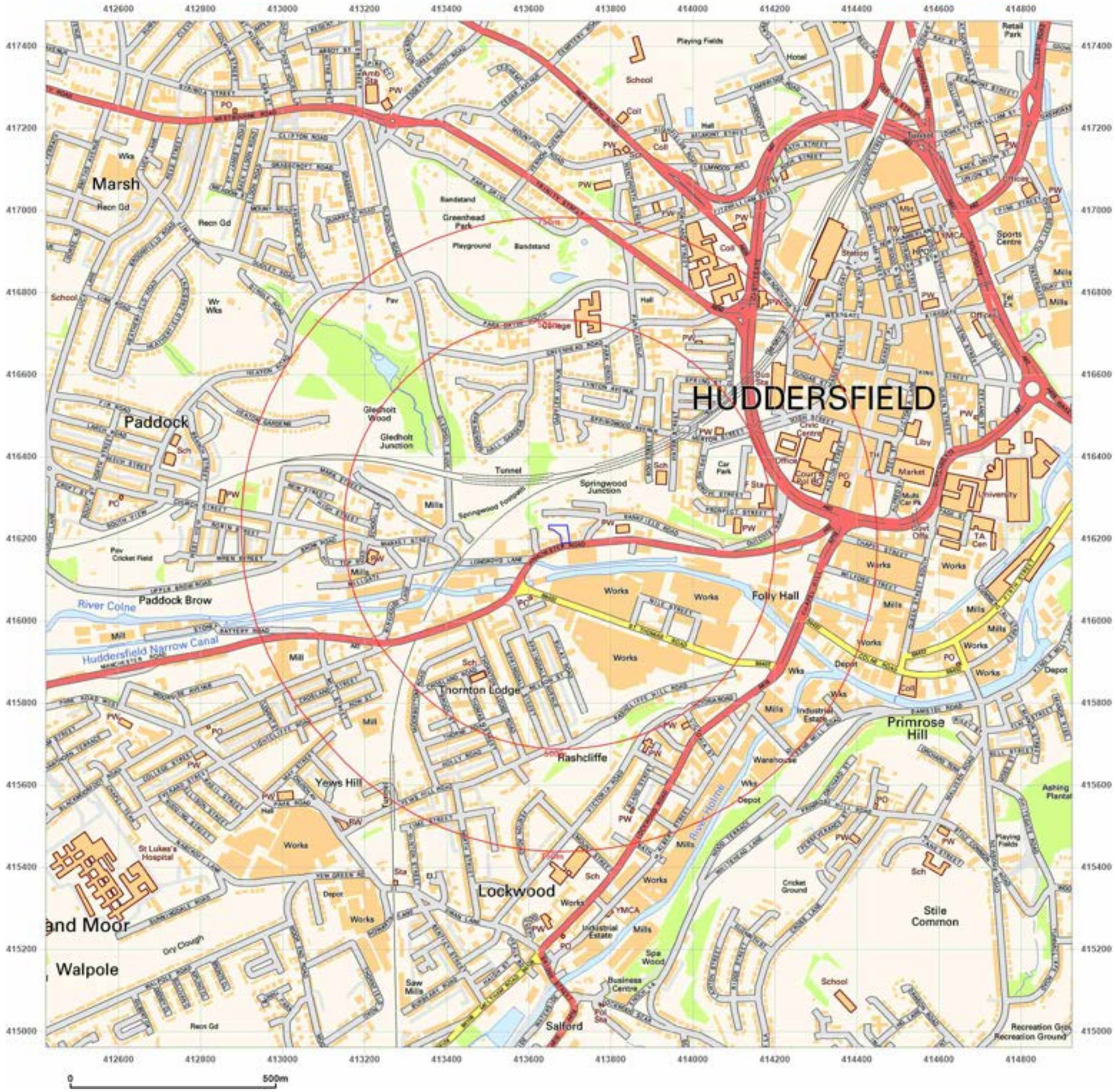

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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2001

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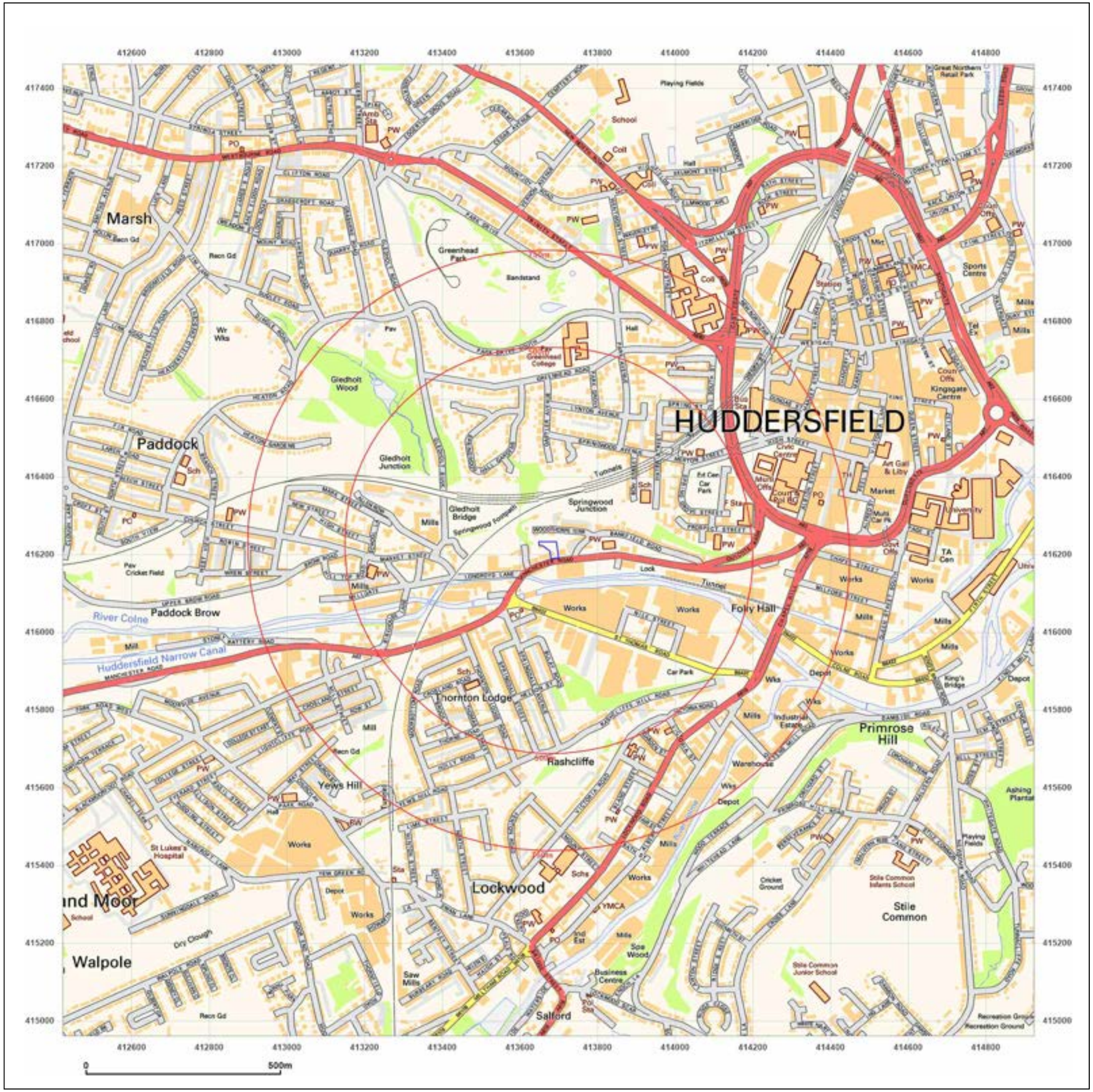

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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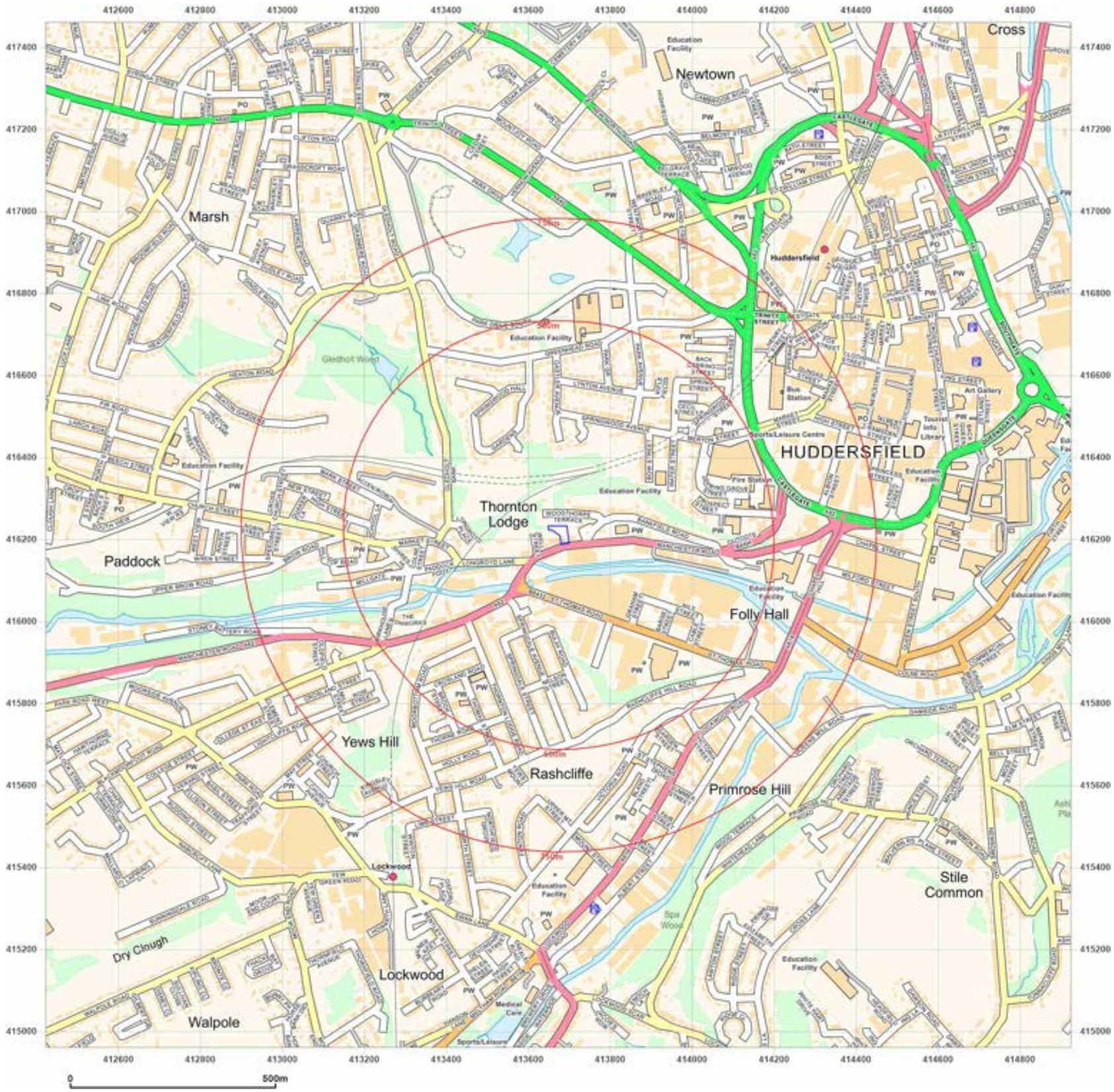

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: National Grid

Map date: **2024**

Scale: 1:10,000

Printed at: 1:10,000

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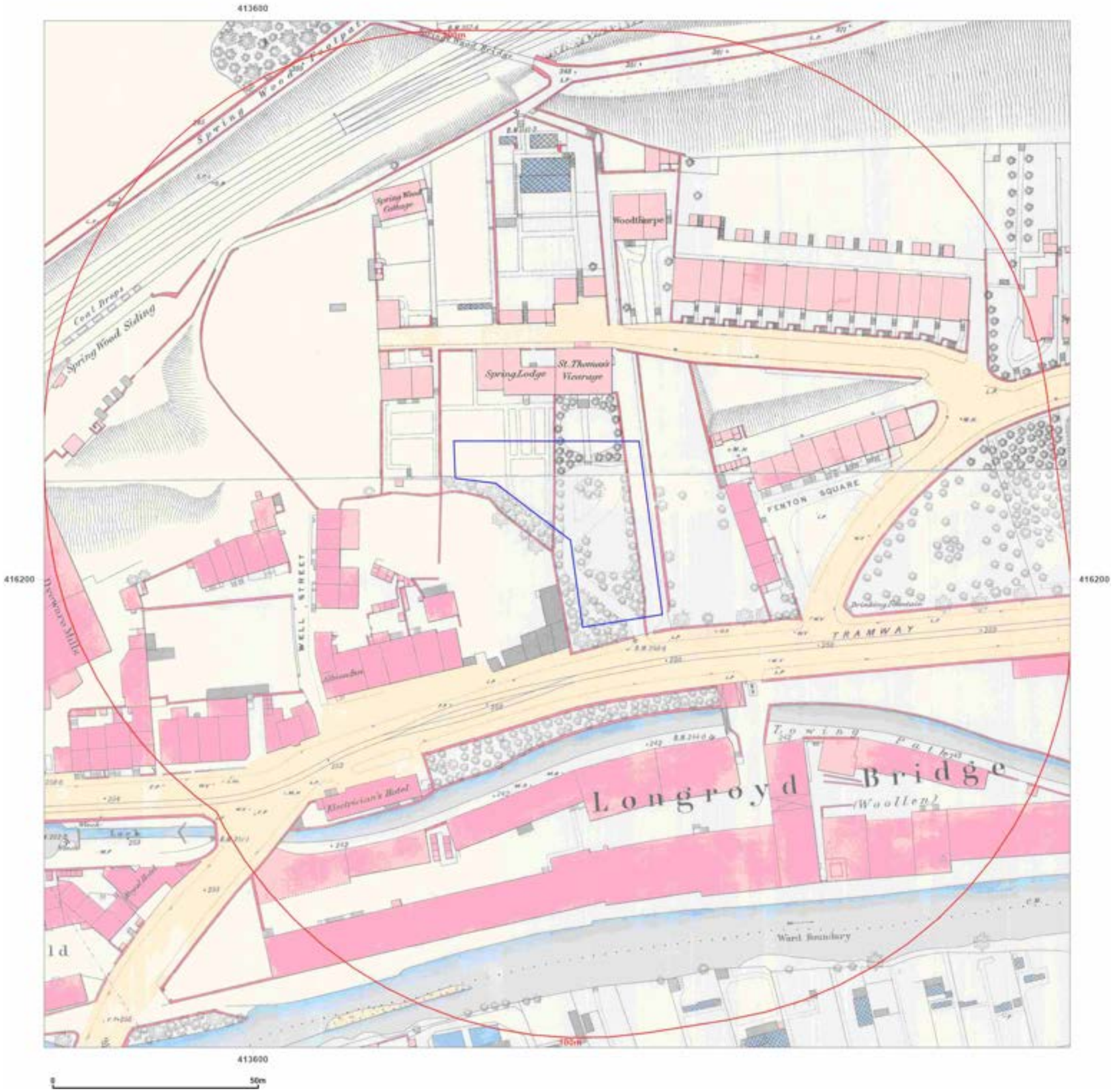

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: County Series Town Plan

Map date: **1890**

Scale: 1:500

Printed at: 1:1,000

N
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Surveyed 1890
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1890
Revised N/A
Edition N/A
Copyright N/A
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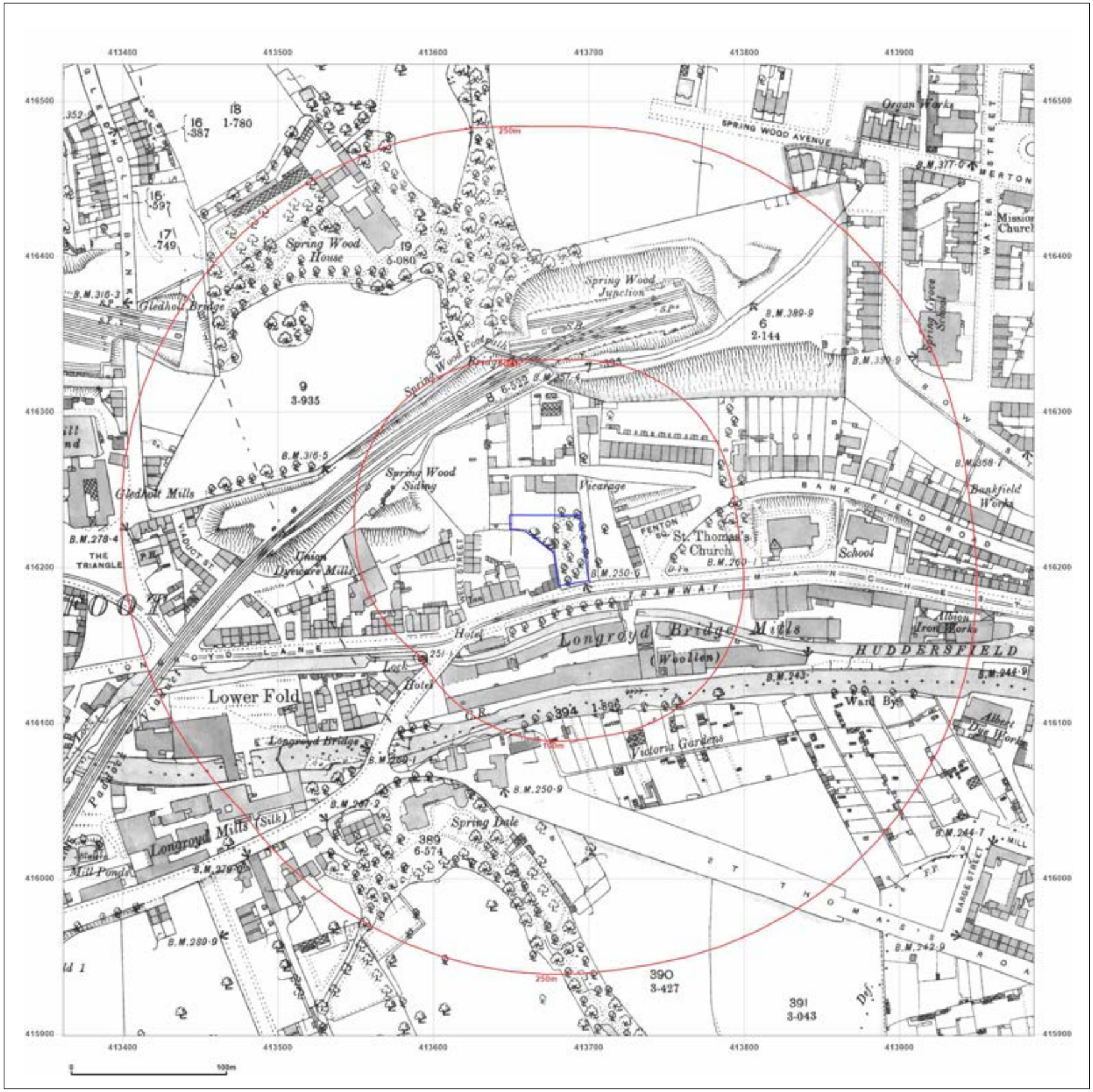

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: County Series

Map date: **1893**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

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Map legend available at:
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Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1907
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

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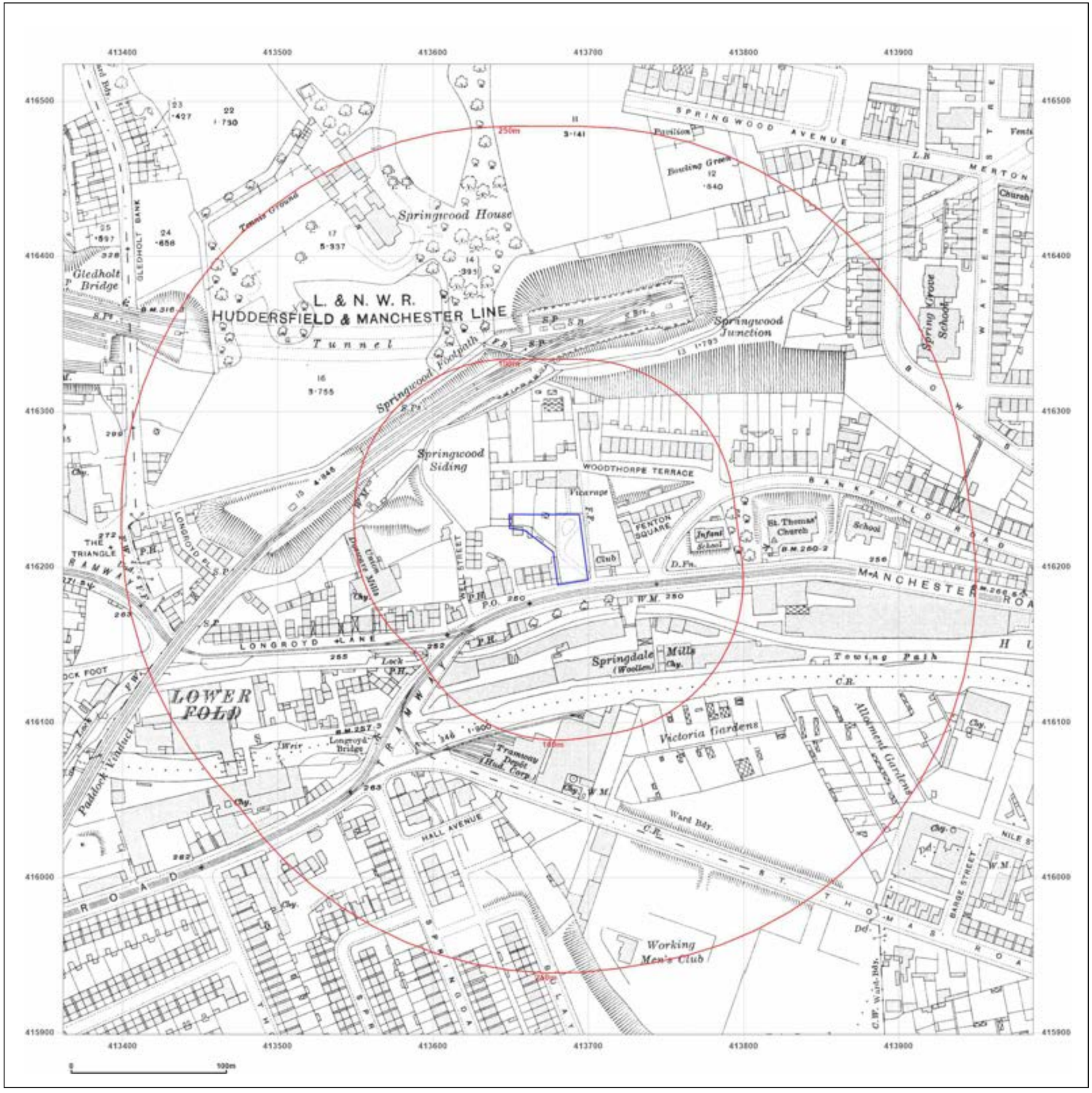

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: County Series

Map date: **1918**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1918
Revised 1918
Edition N/A
Copyright N/A
Levelled N/A

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Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: County Series

Map date: **1932**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1932
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

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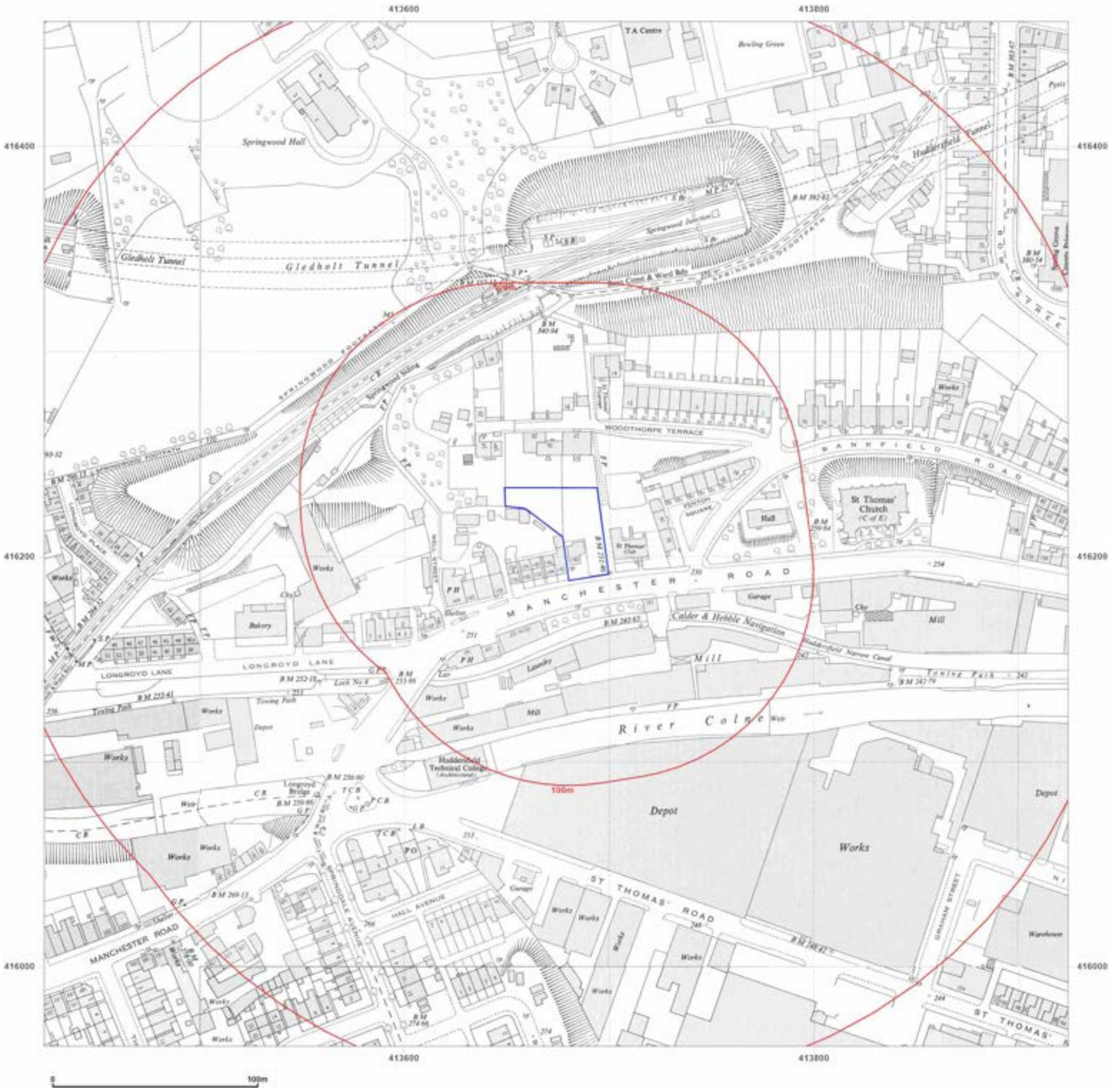

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: National Grid

Map date: **1960**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
Levelled 1931

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
Levelled 1931

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
Levelled 1931

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
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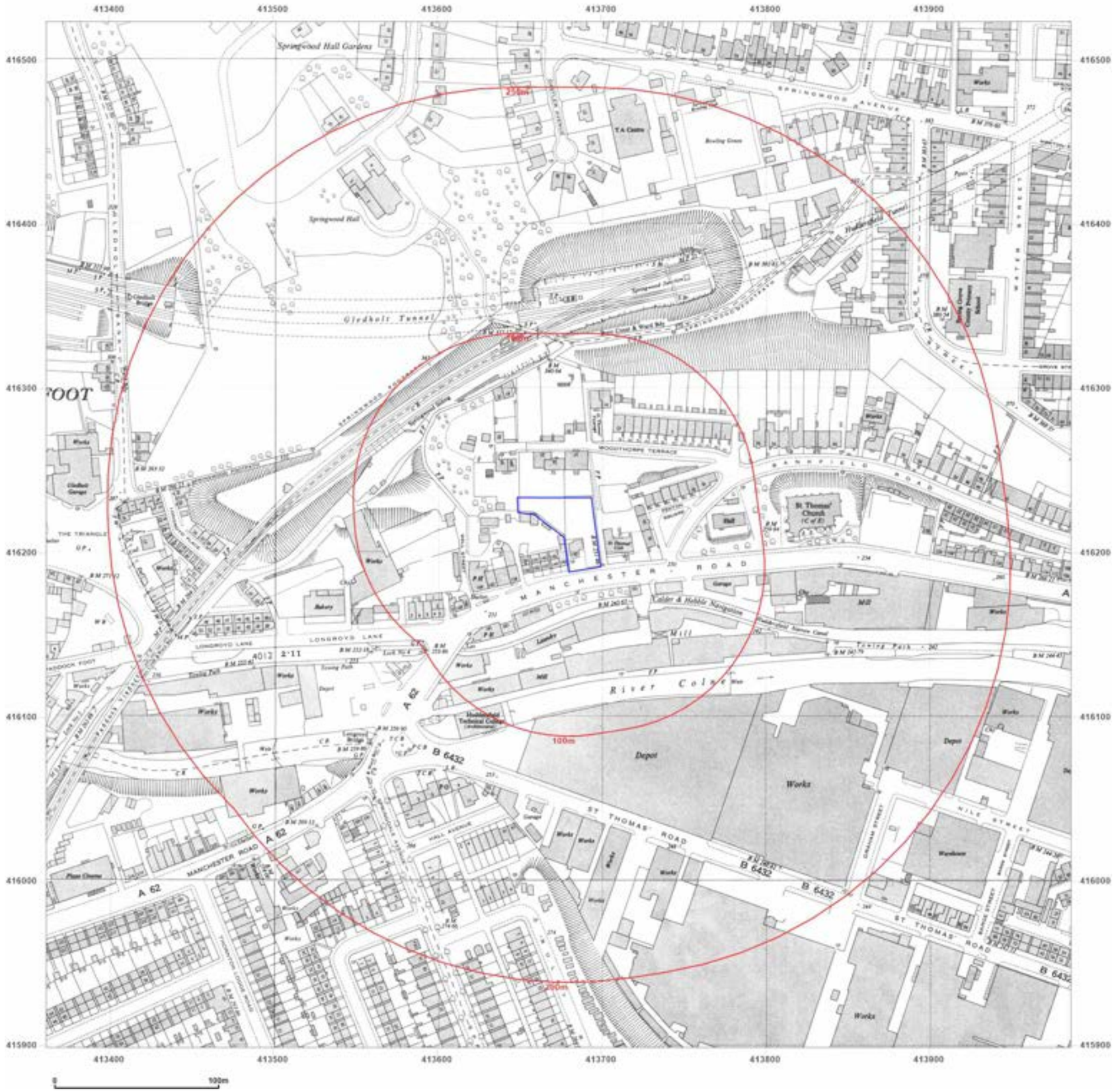

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: National Grid

Map date: **1959-1960**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1960
Revised 1960
Edition 1961
Copyright 1961
Levelled 1959

Surveyed 1959
Revised 1959
Edition 1961
Copyright 1961
Levelled 1931

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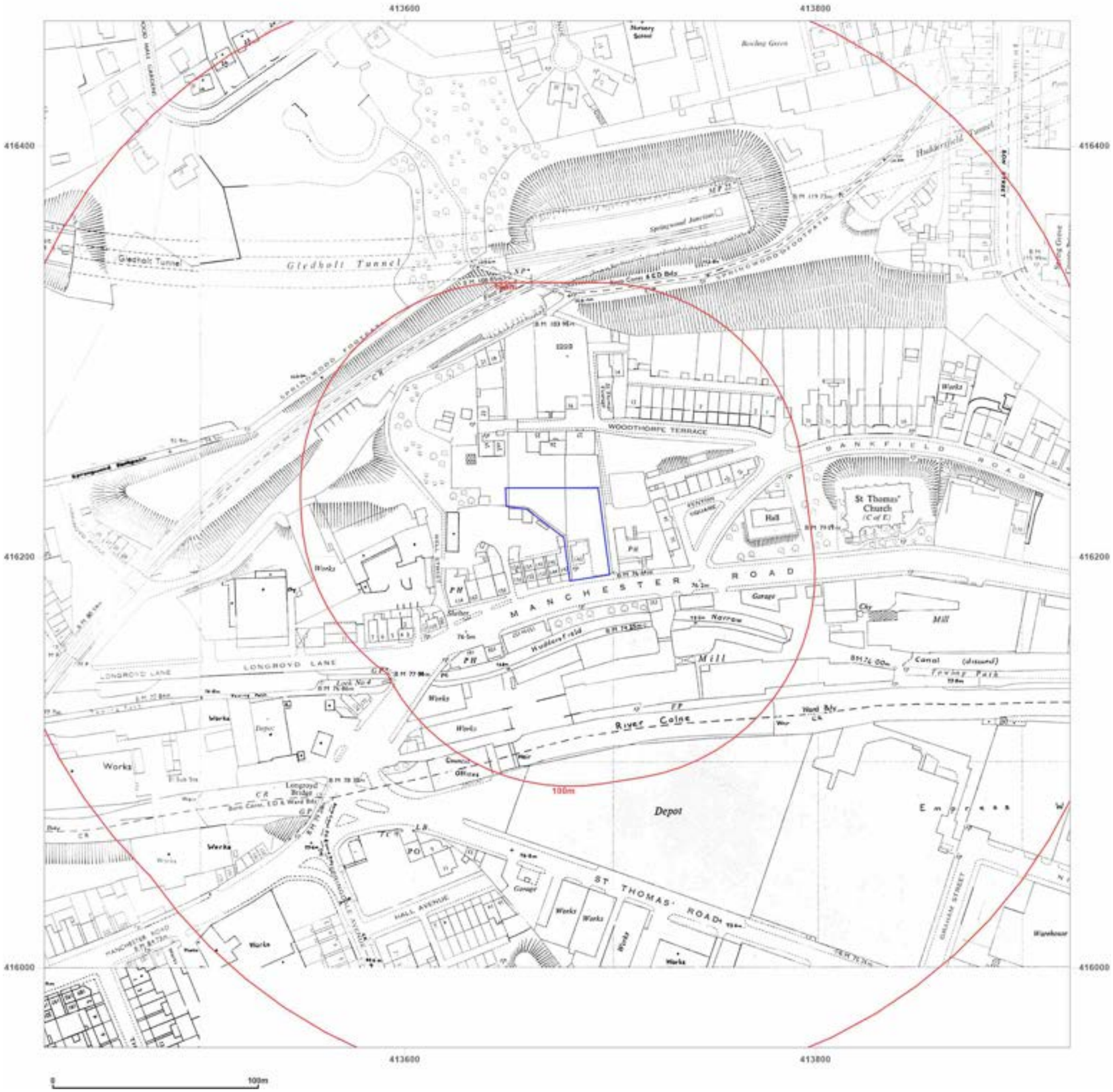

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: National Grid

Map date: **1983-1986**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1959
Revised 1986
Edition N/A
Copyright 1986
Levelled 1959

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1983
Levelled 1959

Surveyed 1959
Revised 1986
Edition N/A
Copyright 1986
Levelled 1959

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Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: National Grid

Map date: **1990-1993**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A
Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A	Surveyed 1990 Revised 1990 Edition N/A Copyright 1990 Levelled N/A

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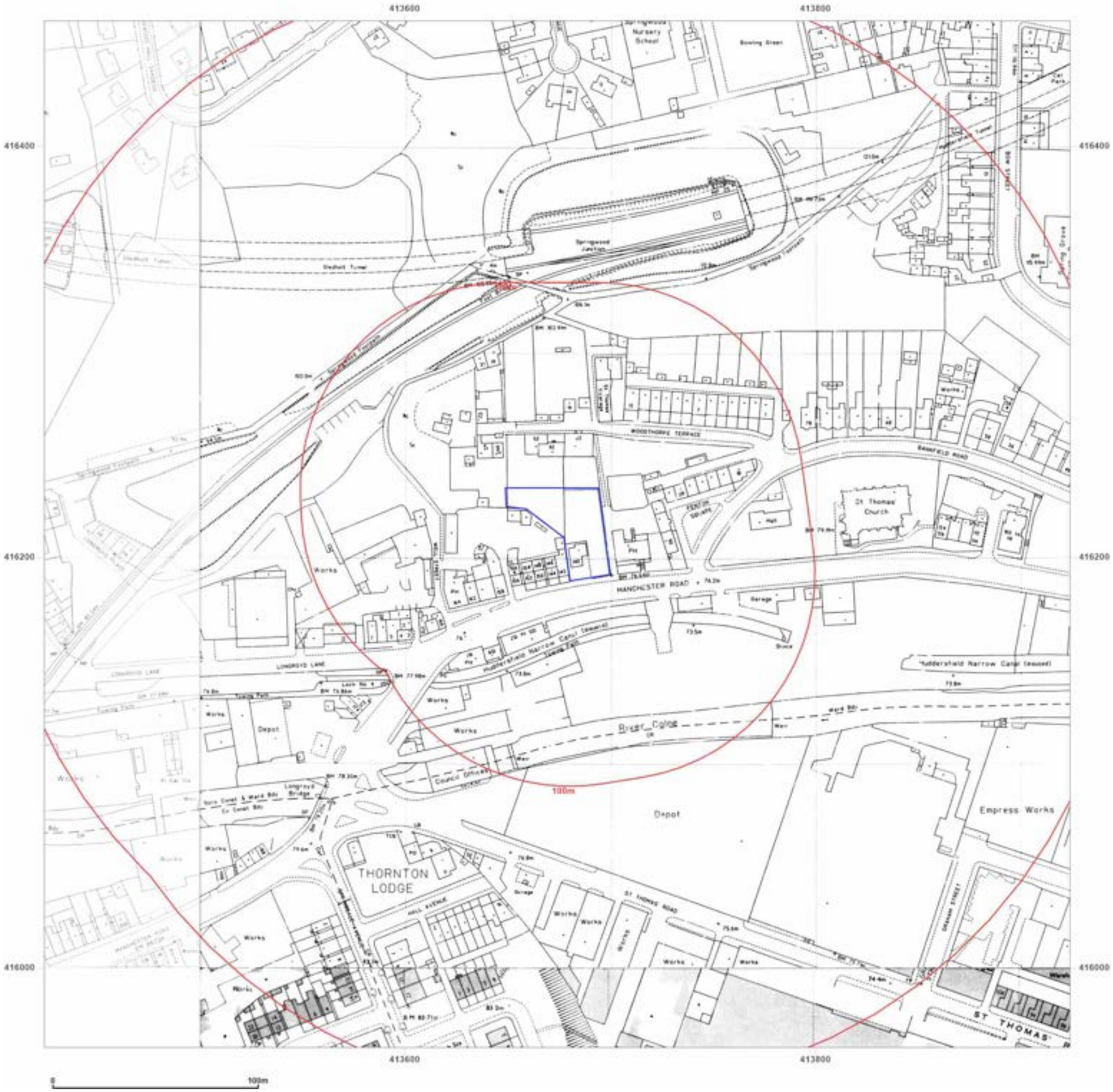

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: National Grid

Map date: **1990-1993**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1993 Revised N/A Edition N/A Copyright 1993 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A
	Surveyed 1990 Revised 1990 Edition N/A Copyright 1990 Levelled N/A

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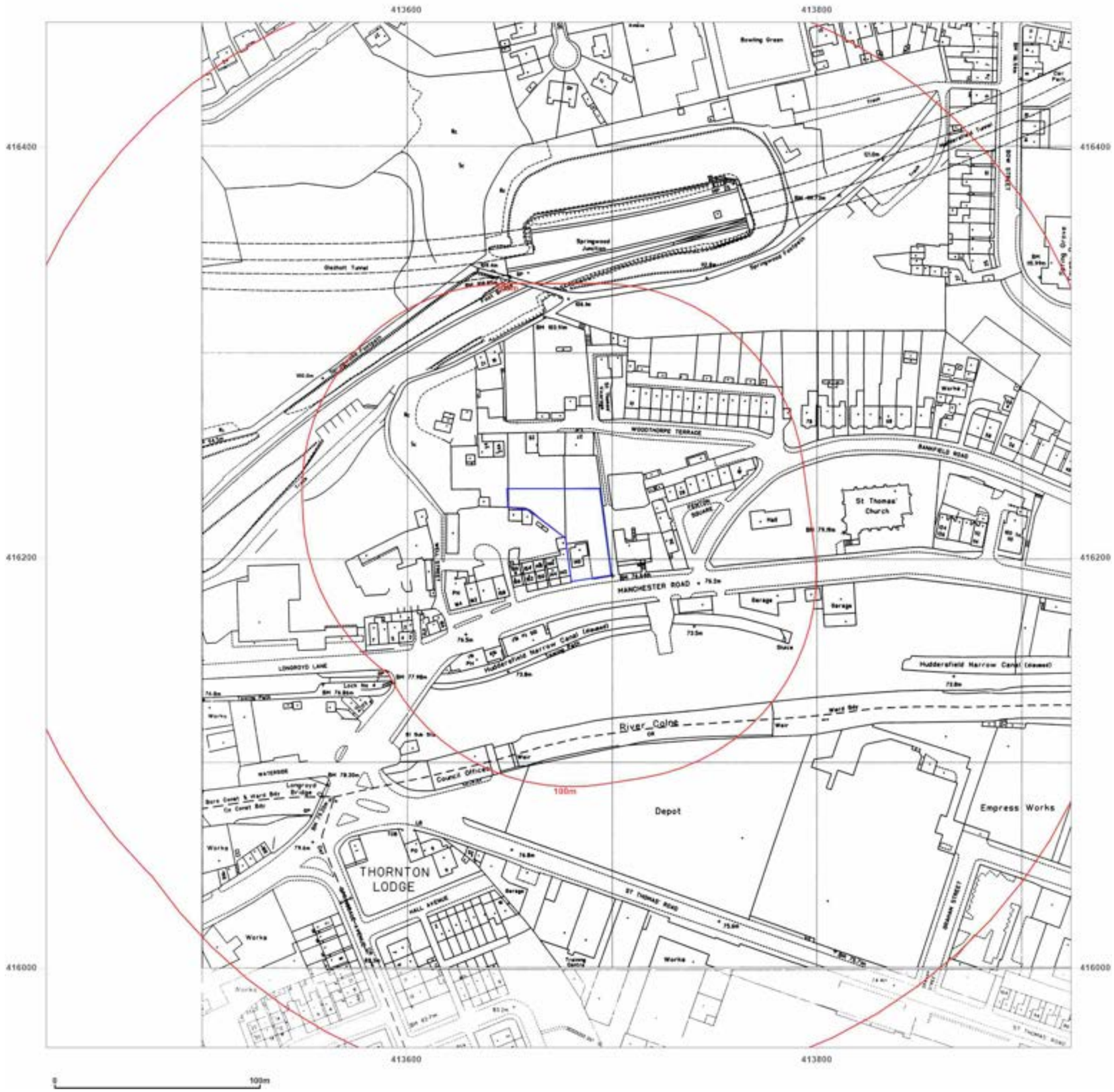

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

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

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

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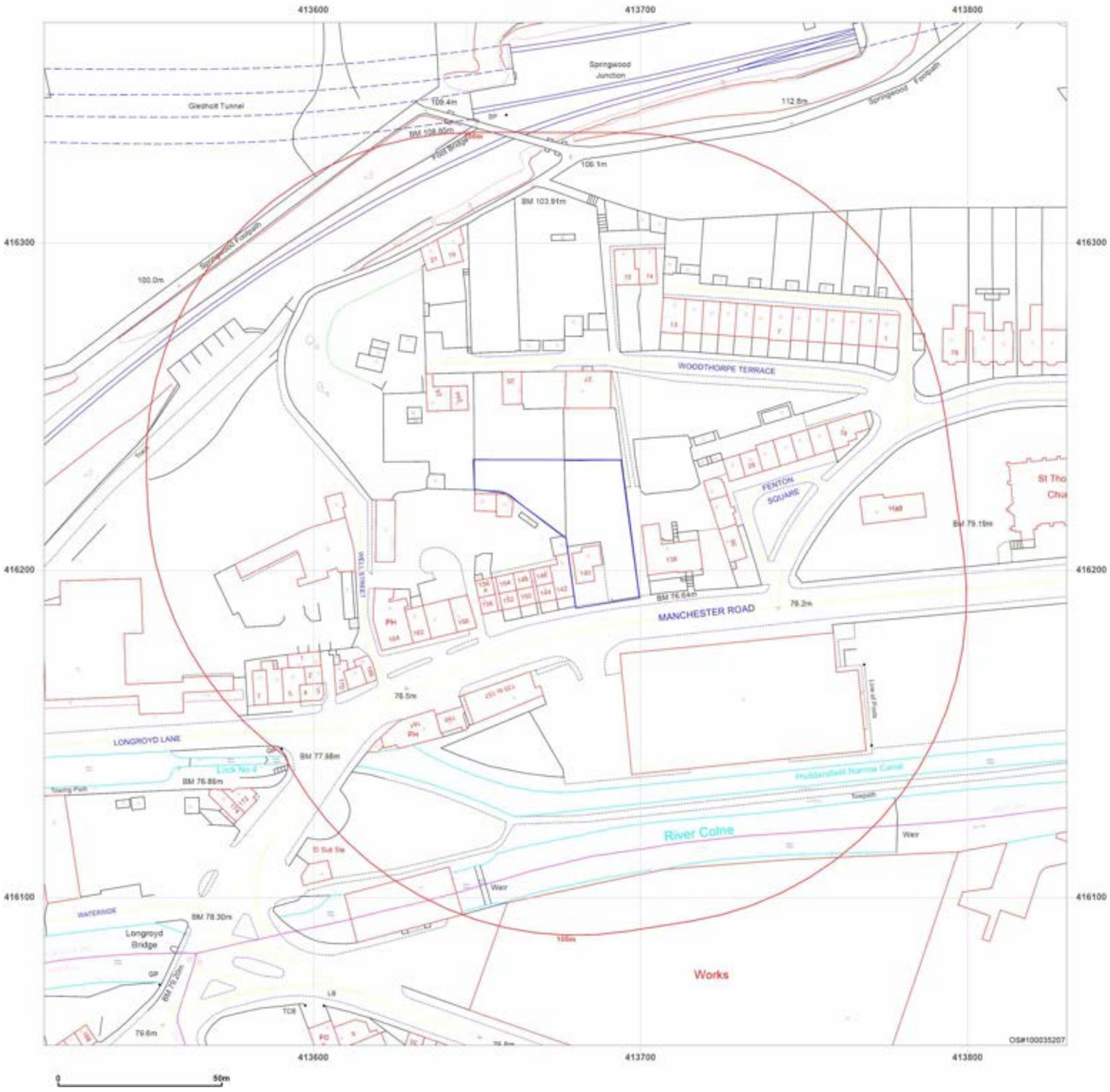

Groundsure INSIGHTS

Site Details:

140A Manchester Road

Client Ref: 8164
Report Ref: GS-O6V-LQ8-42P-J3I
Grid Ref: 413674, 416211

Map Name: LandLine

Map date: **2003**

Scale: 1:1,250

Printed at: 1:1,250

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2003

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APPENDIX E

SITE PHOTOGRAPHS

Existing Site 1

Figure 2 Foundation of former outbuilding

Figure 3 Northern Boundary of site 1

Figure 4 Northern Portion of Site

Figure 5 Western site Boundary

Figure 6 Storage Tank at rear of Building

Figure 7 Rear of Building

Figure 8 Western Boundary at the Front

Figure 9 Front of Site off Manchester Road

Fig 11 Site Frontage