

LAND CONTAMINATION PHASE 1 DESK STUDY

LAND ADJACENT TO 12 ROCHDALE LANE

**HEYWOOD
OL10 1PF**

On behalf of:

Nazir Moradi

Report No.: A230208-R01A

Date: February 2023

Adeptus Environmental

2nd Floor, 401 Faraday St.

Birchwood Park

Warrington WA3 6GA

T: +44 (0)1925 599 052

E: contact@adeptus.co.uk

Document Control Record

Client: Nazir Moradi

Project Title: Land Adjacent To 12 Rochdale Lane

Report Title: Land Contamination Phase 1 Desk Study

Report No.: A230208-R01A

Issue: A

Status: For comment

Comments: -

Author: D. Fisher, M.Sc.

Control Date: February 2023

Confidentiality

This report was prepared by Adeptus for the use of the client, named above. The report has been prepared specifically on the basis of the end use as defined by the client. Any change of end use would necessitate review of this report and its findings. Use of or reliance on this report by any third party is not permitted without our express written agreement, and where this is given, will be subject to our terms and conditions.

Table of Contents

LAND ADJACENT TO 12 ROCHDALE LANE	0
1.0 INTRODUCTION	3
1.1 Background & Objectives.....	3
1.2 Regulatory Framework.....	3
1.3 Supporting Information.....	3
2.0 SITE CONTEXT	4
2.2 Site Reconnaissance	5
3.0 PAST LAND USE	6
3.1 Historical Development.....	6
3.2 Landfill & Waste Sites.....	7
3.3 Industrial Features, Authorisations & Incidents.....	7
4.0 ENVIRONMENTAL SETTING	8
4.1 Geology & Geohazards.....	8
4.2 Controlled Waters	9
4.3 Designated Environmentally Sensitive Sites.....	9
5.0 INITIAL CONCEPTUAL SITE MODEL.....	10
5.1 Pollutant Linkage Assessment.....	10
5.2 Preliminary Risk Assessment	12
6.0 CONCLUSIONS	14
6.1 Risk Assessment Summary	14
6.2 Recommendations.....	14
APPENDIX A – SITE PLAN	15
APPENDIX B – SUPPORTING INFORMATION.....	16
APPENDIX C – LIMITATIONS.....	19

1.0 INTRODUCTION

1.1 Background & Objectives

Adeptus was appointed to undertake a Land Contamination Phase 1 Desk Study on behalf of Nazir Moradi, in support of a planning application for development at the site known as Land Adjacent To 12 Rochdale Lane (the study site). The report is required to assess the potential for significant contamination affecting the site and ensure suitability for the proposed use.

The objectives of the desk study are to:

- Review past land use on and in proximity to the study site
- Assess the likelihood of contamination, as well as its potential nature and extent
- Evaluate the site geological, environmental and land use setting
- Develop an initial conceptual site model
- Undertake a preliminary risk assessment in line with LCRM guidance
- Determine whether further investigation is required

1.2 Regulatory Framework

Land contamination is a material consideration under the National Planning Policy Framework (2012). This means that local authorities must take the potential or actual presence of contamination into account when considering planning applications.

“Contamination” is defined in BS 10175:2011 as:

presence of a substance or agent, as a result of human activity, in, on or under land, which has the potential to cause harm or to cause pollution.

1.3 Supporting Information

At the time of writing, no third-party reports have been made available to Adeptus.

A site plan is included as Appendix A.

Other sources of information utilised in producing this report are listed as Appendix B.

2.0 SITE CONTEXT

This section provides a review of the land use on and in the vicinity of the Site, with the purpose of identifying potentially significant current features and environmental constraints.

2.1 Location and Proposals

Table 2-1: Site Summary

Location	The study site is situated southwest of Rochdale Ln at the junction with Brierly St, in an area under mixed residential and commercial use.
Area & Coordinates	0.1ha, 385985 410622 (centred on, approx.)
Development Proposals	Erection of one detached dwellinghouse with balcony on rear elevation. 20/00376/FUL



Figure 2-1: Site Location

2.2 Site Reconnaissance

A site walkover carried out and the findings are noted in Table 2-2, below.

Table 2-2: Site Walkover Observations

Date: 15/02/2023	Notes
Current/Recent Land Use	On-site: Vacant land at the end of a residential terrace.
	North: Period industrial buildings currently occupied by a sheet metal fabrication works.
	East: Modern apartment building on the site of a former cotton mill.
	South: Motor vehicle repairs garage.
	West: Terraced dwellings with separate back gardens.
Topography	Generally flat and level.
Ground Cover Proportions On-site	Buildings: -
	Hardstanding: 100% recently placed recycled aggregate.
	Soft Landscaping: -
Fuel and/or Chemical Storage	Non tanks etc directly evident during site walkover. However, the numerous vehicles were stored at the motor garage to the south and several would appear to be end of life vehicles for dismantling/parts.
Off Site Potential Contaminant Sources	None evident during site walkover.
Visual or olfactory evidence of contamination	None evident during site walkover.
Asbestos Containing Material (ACM)	None evident during site walkover.
Vegetation & Potential Invasive Flora	No signs of vegetation stress were noted. No invasive species were evident during the site walkover.

3 PAST LAND USE

3.1 Historical Development

Historical Ordnance (OS) Survey map extracts have been examined to provide a summary of significant land use on and in proximity to the site, including industrial features within 100m and potential landfills within 250m.

Where available, more recent aerial photographs have also been reviewed for evidence of relevant land use.

Potentially significant features are noted in the table below. Where more than one instance of the same use occurs in the same direction, only the closest has been described.

Table 3-1: Historical Development Summary

On-site Source or Feature	Map Years Noted		Description
	First	Last	
Undeveloped land	1851 ¹	1851 ¹	The study site initially sits within a large undeveloped area between Vale St to the north and Manchester St to the south.
Dwellings	1890	1975	4No terraced dwellings appear to fall within the study site between at least 1910 and 1937. However, a 1956 OS map shows one of the buildings removed, but the uninterrupted numbering of those fronting onto Rochdale Ln suggests the removed building may not have been a dwelling. A 1985 OS map shows the site and a small area to the south cleared of buildings.

Notes: 1 = earliest reviewed OS map | 2 = most recent reviewed OS map | 3 = aerial photograph

Off-site Source – Distance & Direction	Map Years Noted		Description
	First	Last	
Unspecified building – W	1890	1890	A relatively large L-shaped building extends west from the study site and is considered to be commercial in nature. As of 1910 the
Cotton Mill – 10m W	1851	2003 ²	Lane End Mill sits on the other side of Rochdale Ln and includes a reservoir beyond and is present on the most recent large scale OS map of 2003.
Cotton Mill – 75m SW	1851	2003 ²	Golden Lane Mill consists of several buildings just beyond Manchester St and includes a reservoir beyond. However, by 1957 the buildings are under various usage, including as an engineering works and a rope works. The works buildings are subsequently further extended and appear to remain today under general industrial use.
Gasometer – 100m N	1851	1851	The gasometer sits west of the public house just beyond Rochdale Rd.
Engineering Works – 50m N	1956	2003 ²	The works is labelled between 1937 and 1956 and is subsequently extended north towards Rochdale Rd. However previously unlabelled buildings are considered to belong to the works and a tank appears to be present.

Paper/ Engineering Works – 40m S	1957	2003 ²	A small paper works is initially labelled but subsequently merges with an engineering works to the south, then a bakery and smaller works to the north. The buildings remain today under commercial/industrial use.
Depot – 50m E	1968	2003 ²	A handful of small buildings within a wider yard east of Brierley St are labelled depot, and the most recent of these remains today.

Notes: 1 = earliest reviewed OS map | 2 = most recent reviewed OS map | 3 = aerial photograph

3.2 Landfill & Waste Sites

Records of landfills within 250m and other waste sites within 250m of the site are reviewed in table below.

Table 3-2: Data on Landfill & Waste Sites

Records	Details & Significance
- Active or recently closed landfills: 0 - BGS/DOE historical landfills: 0 - Local Authority(OS) historical landfill: 0 - EA/NRW historical landfills: 0 - EA/NRW current/recent landfills: 0 - Historical permissioned waste sites: 0 - Active or recently waste sites: 0 - Waste exemptions: 3	There are no significant features within the search distance. <u>Waste Exemptions</u> The exemptions are for small scale waste storage and not considered significant.

3.3 Industrial Features, Authorisations & Incidents

Industrial features indicating an increased likelihood of the presence of contamination, pollution incidents, and sites determined as contaminated land by a statutory authority, within 100m, are reviewed in table below.

Table 3-3: Industrial Data

Records	Details & Significance
- Current industrial sites: 13 - Current or recent petrol stations: 0 - Electricity cables: 0 - Gas pipelines: 0 - Sites determined as Contaminated Land: 0 - COMAH Sites: 0 - Regulated explosive sites: 0 - Hazardous substance storage: 0	<u>Industrial Sites</u> The 13 records generally comprise the features identified in the previous sections, such as the works. Additional features identified are as follows: - Vehicle Breakdown Recovery and Repairs – 41m S - Electricity Sub Station - 67m SW - Premier Tank Services - 76m N

• Integrated Pollution Control (IPC) records: 0 • Part A(1) permitted installations: 0 • Licensed pollutant releases (Part A(2)/B): 0 • Radioactive substance authorisations: 0 • Licensed discharges to controlled waters: 0 • Pollutant discharge to surface waters: 0 • Pollutant release to public sewer: 0 • List 1/2 dangerous substances discharge: 0 • Pollution incidents: 0 • Pollution inventory reporting: 0	There are no records of further significant features within the search distance.
---	--

4 ENVIRONMENTAL SETTING

The site's environmental and geological setting are reviewed characterise probable pathways and receptors, as well as identify relevant contaminant sources.

4.1 Geology & Geohazards

4.1.1 Anticipated Geology

Data held by the British Geological Survey (BGS) indicate the site is underlain by the geological sequence summarised in the table below.

Table 4-1: Summary of Published Geology

Geological Unit	Description	Composition	Location
• Superficial/Drift:	Glaciofluvial Deposits, Devensian	Sand and Gravel	On site
• Bedrock/Solid:	Riddle Scout Rock	Sandstone	On site

4.1.2 Geohazards

Potential health and environmental hazards relating to recorded or unrecorded mine workings, artificial ground and permanent gases are reviewed in the table below.

Table 4-2: Environmental Geohazards

Potential Geohazard	Details & Significance
• Coal Mining Legacy	The site is located within the Development Low Risk Area, as defined by the Coal Authority.

• Infilled or Made Ground	No evidence of significant ground workings or infilled voids has been identified.
• Ground Gas Potential	The natural geological strata identified above not considered a significant source of permanent ground gases such as methane or carbon dioxide.

4.2 Controlled Waters

4.2.1 Groundwater

Designated groundwater aquifers underlying the site are reviewed in the table below, along with any licenced abstractions and source protection zones.

Table 4-3: Aquifers, Abstractions & Protection Zones

Records		Details & Significance
• Superficial Aquifer:	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.
• Bedrock Aquifer:	Secondary A	
• Groundwater Abstractions Licenses: 0 • Surface Water Abstractions Licenses: 0 • Potable Water Abstractions Licenses: 0 • The site <i>is not</i> within a SPZ		None within 100m

4.2.2 Surface Waters

Local surface water features and flood risk zones are reviewed in the table below.

Table 4-4: Surface Waters & Flood Risk Zones

Surface Waters	Details & Significance
• Millers Brook – 140m NE	The watercourse may receive surface waters from the site.
• The site is in Flood Zone 1	Very low risk of flooding, with an annual probability according to the EA/NRW of less than 0.1%.

4.3 Designated Environmentally Sensitive Sites

4.3.1 Designated Environmental & Heritage Sites

Statutory protected environmental and heritage sites within 250m are reviewed in the table below.

Table 4-5: Statutory Protected Sites

Feature	Details & Significance
• Ramsar sites: 0 • Special Areas of Conservation (SAC): 0 • Special Protection Areas (SPA): 0 • National Nature Reserves (NNR): 0 • Local Nature Reserves (LNR): 0 • Designated Ancient Woodland: 0 • World Heritage Sites: 0 • Listed Buildings: 0	There are no significant features within the search distance.

5 INITIAL CONCEPTUAL SITE MODEL

For a conceptual risk of harm to human health or the environment to exist within the context of LCRM, all of the following elements must be present:

- a source – i.e., a substance (contaminant(s)) that is capable of causing pollution or adverse health effects;
- a receptor - i.e., something which could be adversely affected by the source; and
- a pathway – i.e., a route by which the contaminant could come into contact with, or affect, the receptor.

Information on these three elements is used to form an initial conceptual site model (CSM) and identify potentially significant contaminant linkages.

5.1 Pollutant Linkage Assessment

Based on the information presented in sections 2 and 3, the following potential sources, receptors and relevant pathways for exposure are identified in relation to the development.

5.1.1 On-Site Potential Sources of Contamination

- Demolition of previous dwellings

Dwellings present on the study site between at least 1910 and 1937 were partially demolished by 1956 and all demolished by 1985, with the reason for demolition unknown.

Demolition is a potential source of Made Ground as well as common contaminants such as metals/metalloids, PAHs and asbestos.

As made ground is likely to be limited to typical shallow foundation depth and have a small proportion of degradable material, this is unlikely to present a source of ground gases.

5.1.2 Off-Site Potential Sources of Contamination

- Industrial Land Use

Various industrial sites have been operational in the vicinity since at least the late 19th century, including cotton Mills, a gasometer, engineering works, a paper works and a depot.

These industrial uses are potential source of contamination with substances including hydrocarbons, solvents, VOCs, PAHs, phenols, PCBs, metals/metalloids.

5.1.3 Potential Receptors

Potential receptors relevant to the documented history, potential sources, site-setting and proposed use include:

- **Human Health:** residential end users; nearby land users; construction workers
- **Controlled Waters:** underlying aquifers
- **Property** in the form of buildings and structures
- **Flora** within soft landscaping

5.1.4 Potential Pathways

The primary pathways relevant to the identified potential sources and receptors are:

- **Ingestion**
- **Dermal contact**
- **Inhalation**

- **Surface water run-off:** leaching/migration
- **Surface water infiltration:** leaching/migration
- **Migration:** laterally or vertically, via infrastructure or preferential pathways such as permeable strata

Next page -

5.2 Preliminary Risk Assessment

Qualitative assessment of the risks posed by the potentially significant pollutant linkages identified in Section 5.1 is summarised in the table below. Risk classification is a function of the severity of a potential environmental or health effect, and the likelihood or frequency of its occurrence.

Table 5-3. Preliminary Risk Assessment

Source	Pathway	Receptor	Consequence	Likelihood	Classification*	Rationale
Organic and inorganic contaminants potentially present in soils and/or made ground	Dermal contact, ingestion, particulate inhalation	Nearby site occupants & users	Medium	Low Likelihood	Moderate/ Low Risk	There is the possibility of an elevated short-term risk to construction workers and off-site receptors, from particulates liberated during excavation/construction.
		Future site occupants & users	Medium	Low Likelihood	Moderate/ Low Risk	Development of the site for residential dwellings introduces the possibility of sensitive receptors such as young children being exposed to contaminants in near surface soils should they be present.
	Consumption of home grown produce		Medium	Unlikely	Low Risk	Similarly, the growing of produce in contaminated media is possible and may lead to ingestion.
	Uptake from root zone	Flora within future gardens/	Minor	Low Likelihood	Low Risk	Flora may be affected by contaminants such as phytotoxic metals.
	Migration of vapours via strata, structures or services; subsequent inhalation	Future site occupants & users (indoors)	Medium	Unlikely	Low Risk	Although no suspected sources of volatile contaminants, such as tanks, have been directly noted in close proximity to the site, the possibility cannot be ruled out given the established local land use history.
		Construction workers	Medium	Unlikely	Low Risk	However, it is also likely that any historical near surface sources would have been significantly attenuated by natural processes over time, including volatilisation and microbial degradation.
	Diffusion through plastic water supply pipes	Water supply pipes	Medium	Low Likelihood	Moderate/ Low Risk	The likelihood of sources capable of acute effects on construction workers (e.g. via excavations) is very low. Water supply pipes may be sited in media containing contaminants capable of permeating standard polyethylene pipes.

**in the absence of mitigation or remedial measures*

Source	Pathway	Receptor	Consequence	Likelihood	Classification*	Rationale
Cont'd	Leaching/ migration into shallow groundwater; subsurface migration.	Groundwater	Medium	Low Likelihood	Moderate/ Low Risk	Bedrock and superficial strata underlying the site are designated a Secondary A Aquifer, and may be highly permeable. The established site use history is not likely to have given rise to a significant source of mobile contamination.
	Leaching and migration via Site drainage	Surface waters	Medium	Unlikely	Low Risk	Whilst industrial use off-site could potentially have resulted in a source of groundwater contamination, the likelihood of the study site itself acting as a significant and primary source today is very low.
	Flooding	Ground/surfa ce waters	Medium	Unlikely	Low Risk	Additionally, it is noted that in the absence of a well-defined point source, it is often not feasible to attribute wider environmental conditions to any particular site. Mapped surface water features are at significant distance.
Aggressive ground (e.g. sulphate; pH)	Direct contact/ chemical attack	Buildings/ services	Mild	Likely	Low Risk	If present, Made Ground and/or demolition fill may present a source of aggressive contaminants.
Potential asbestos containing materials (ACM) in soils	Release of asbestos fibres; subsequent inhalation	Site occupants & users	Medium	Low Likelihood	Moderate/ Low Risk	Although there is no direct evidence of ground underlying the site being affected by ACM, the timescale of demolition of previous buildings indicates low likelihood. Ultimately, residential end users may also be exposed to contaminants in near surface soils should they be present.
		Construction workers	Medium	Unlikely	Low Risk	However, it should be noted that construction works are subject to separate regulation requiring safe systems of work, with any risk e.g., to site operatives mitigated through the use of PPE.

**in the absence of mitigation or remedial measures*

6 CONCLUSIONS

6.1 Risk Assessment Summary

Adeptus was appointed by Nazir Moradi to undertake a Geo-Environmental Phase 1 Desk Study in support of a planning application for development at the site known as Land Adjacent To 12 Rochdale Lane.

On the basis of the available information, a number of potentially significant pollutant linkages have been identified. However, it is considered that relatively simple mitigation measures can be implemented to mitigate these.

The site itself was occupied by buildings believed to be dwellings between at least 1910 and 1937, which were partially demolished by 1956 and all demolished by 1985, with the reason for demolition unknown.

There is a low likelihood that some degree of made ground underlies the site as result of the previously demolished buildings, and this may be a source of common contaminants such as ash and clinker, metals or asbestos containing materials.

Various industrial sites have been operational in the vicinity since the late 19th century, including cotton mills, a gasometer, engineering works, a paper works and a depot.

These industrial uses are potential sources of contamination with substances including hydrocarbons, solvents, VOCs, PAHs, phenols, PCBs, metals/metalloids.

On the above basis it is considered that residential end user may be exposed to contaminants such as metals, PAHs and asbestos fibres, should they be present in shallow soils.

As made ground is likely to be limited to typical shallow foundation depth and have a small proportion of degradable material, this is unlikely to present a source of ground gases.

N.B.: This summary forms part of the overall desk study and preliminary risk assessment and should not be viewed or used as an independent report.

6.2 Recommendations

It is considered that risk to end users from contaminants in shallow soil can be mitigated by provision of a simple cover system across the proposed soft landscaped area, in the form 0.6m of clean imported subsoil and topsoil.

However, potential risk to site operatives and off-site receptors during the construction phase would need to be mitigated via safe systems of work to ensure where suspected ACM is encountered, this is characterised and managed in accordance with the regulations.

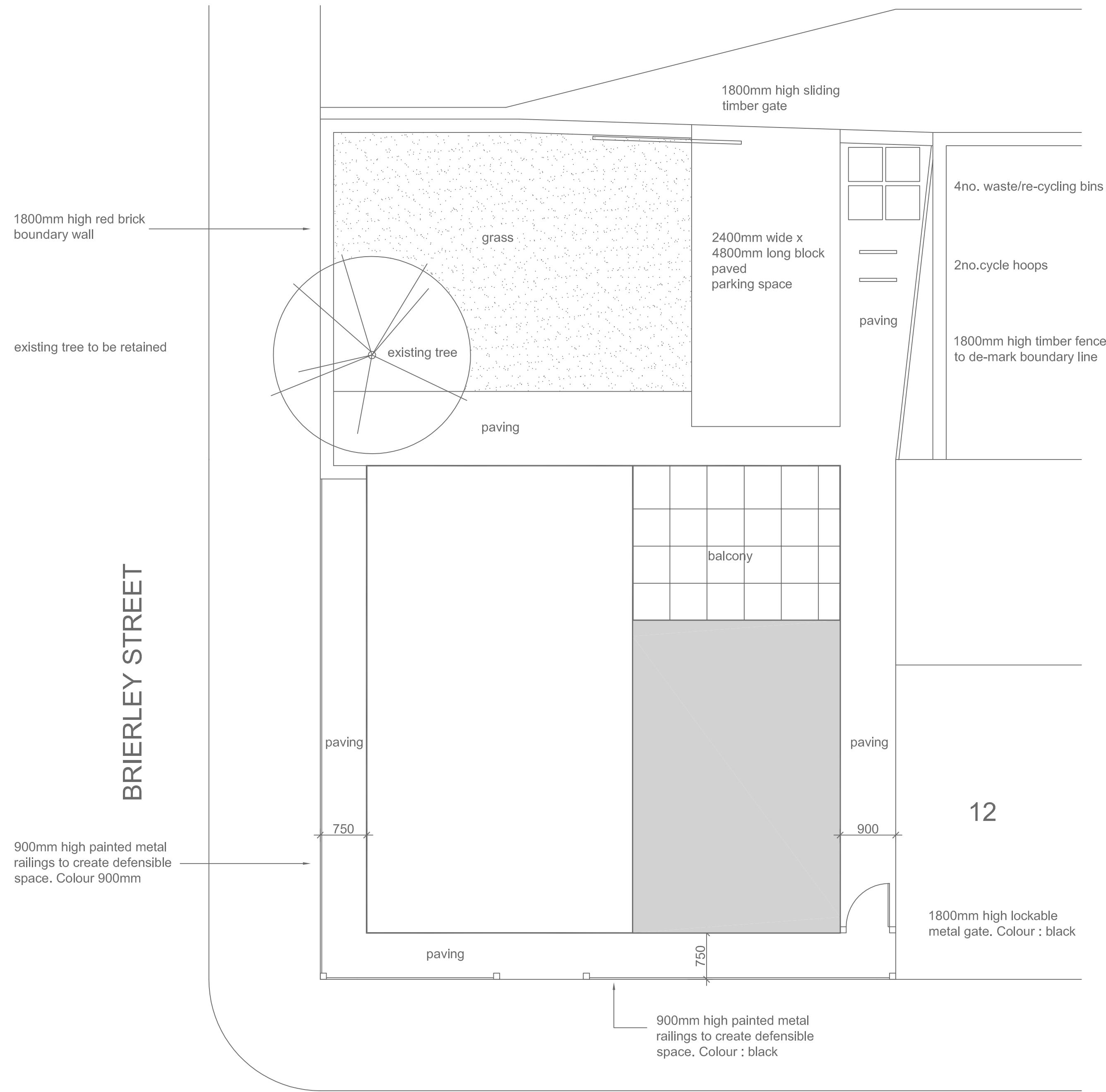
Additionally, a watching brief should be maintained if ACM is suspected and any evidence of Made Ground, or visual and/or olfactory evidence of contamination recorded.

It may also be prudent to incorporate vapour protection measures in the form of a upgraded and sealed DPM .

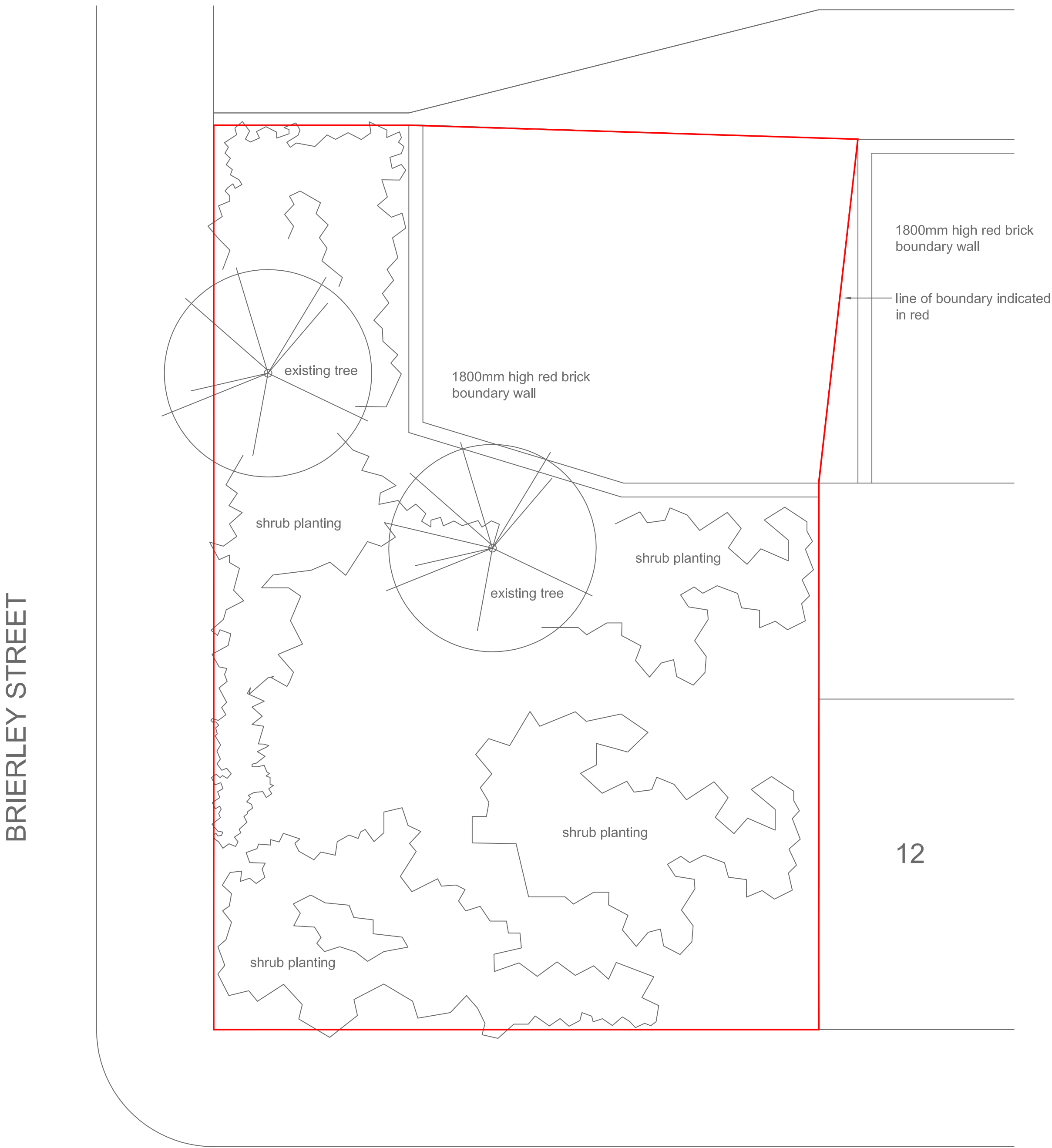
Such measures would comprise a proprietary hydrocarbon barrier system in accordance with CIRIA C748:2014 standard for volatile organic compounds (VOC) protection. Potential systems include Alderprufe HC Geomembrane and Visqueen Ultimate HC BLOK.

Alternatively intrusive investigation may be undertaken to further characterise the potentially significant contaminant linkages, and potentially rule out the need for measures as recommended above.

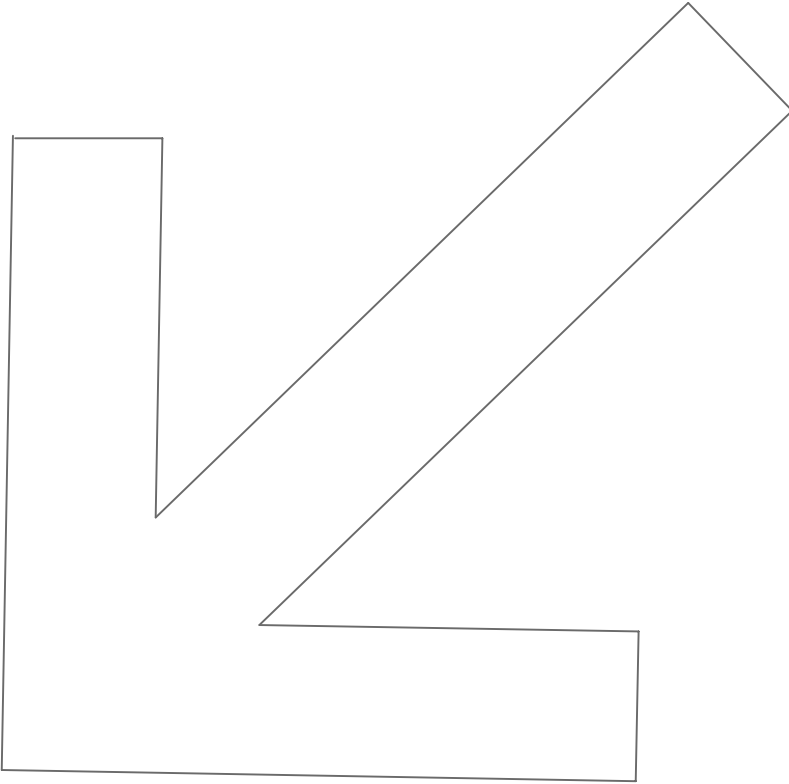
APPENDIX A – SITE PLAN



PROPOSED SITE PLAN



EXISTING SITE PLAN



NORTH POINT

EXISTING AND PROPOSED SITE PLANS
Rochdale Lane, Heywood

Client	MR. KALEEM AHMED	
Project	PROPOSED DWELLING HOUSE at ROCHDALE LANE, HEYWOOD	
Drawing Title	EXISTING AND PROPOSED SITE PLANS	
Scale	1:50@A1 / 1:100@A3	DO NOT SCALE
Drawing Number	1557.02	Revision
One Architectural design group limited		1 marland rise marland, rochdale OL11 4RH tel. 07583 667961

APPENDIX B – SUPPORTING INFORMATION

In compiling this report the following data sources have been consulted.

- Groundsure Enviro Insight Report (Appendix B1)
- Historical Ordnance Survey Maps (Appendix B2)
- Ordnance Survey Trade Directories
- British Geological Survey data, maps and memoirs
- Environment Agency and Local Authority designations, registers and permissions
- Site reconnaissance - walkover

This report is based on information available at the time of writing and is subject to the limitations set out in Appendix C. In general, the information is accessed via the Enviro Insight Report.

Appendix B1 – Enviro Insight Report

ROCHDALE LANE, HEYWOOD

Order Details

Date: 20/02/2023
Your ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Our Ref: GS-9365487

Site Details

Location: 385985 410622
Area: 0.01 ha
Authority: [Rochdale Metropolitan Borough Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.12

groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	0	1	31	147	-
20	1.2	Historical tanks	0	0	48	18	-
23	1.3	Historical energy features	0	0	4	12	-
24	1.4	Historical petrol stations	0	0	0	0	-
24	1.5	Historical garages	0	0	13	4	-
25	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
26	2.1	Historical industrial land uses	0	1	36	185	-
35	2.2	Historical tanks	0	0	84	33	-
39	2.3	Historical energy features	0	0	11	43	-
41	2.4	Historical petrol stations	0	0	0	0	-
41	2.5	Historical garages	0	0	20	11	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
44	3.1	Active or recent landfill	0	0	0	0	-
44	3.2	Historical landfill (BGS records)	0	0	0	0	-
45	3.3	Historical landfill (LA/mapping records)	0	0	0	2	-
45	3.4	Historical landfill (EA/NRW records)	0	0	1	1	-
46	3.5	Historical waste sites	0	0	1	5	-
47	3.6	Licensed waste sites	0	0	4	0	-
48	3.7	Waste exemptions	0	0	20	5	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
51	4.1	Recent industrial land uses	0	2	61	-	-
55	4.2	Current or recent petrol stations	0	0	3	0	-
56	4.3	Electricity cables	0	0	0	0	-
56	4.4	Gas pipelines	0	0	0	0	-
56	4.5	Sites determined as Contaminated Land	0	0	0	0	-



56	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
57	4.7	Regulated explosive sites	0	0	0	0	-
57	4.8	Hazardous substance storage/usage	0	0	0	0	-
57	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
57	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
57	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	2	1	-
58	4.12	Radioactive Substance Authorisations	0	0	0	0	-
58	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	0	3	-
59	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
59	4.15	Pollutant release to public sewer	0	0	0	0	-
59	4.16	List 1 Dangerous Substances	0	0	0	0	-
60	4.17	List 2 Dangerous Substances	0	0	0	0	-
60	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	7	8	-
62	4.19	Pollution inventory substances	0	0	0	0	-
62	4.20	Pollution inventory waste transfers	0	0	0	0	-
62	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
63	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
65	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
66	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
67	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
67	5.5	Groundwater vulnerability- local information	None (within 0m)				
68	5.6	<u>Groundwater abstractions</u>	0	0	2	0	11
72	5.7	<u>Surface water abstractions</u>	0	0	0	0	12
75	5.8	Potable abstractions	0	0	0	0	0
75	5.9	Source Protection Zones	0	0	0	0	-
76	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
77	6.1	<u>Water Network (OS MasterMap)</u>	0	0	3	-	-



78	6.2	Surface water features	0	0	0	-	-
78	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
78	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
79	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
80	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
80	7.2	Historical Flood Events	0	0	0	-	-
80	7.3	Flood Defences	0	0	0	-	-
81	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
81	7.5	Flood Storage Areas	0	0	0	-	-
82	7.6	Flood Zone 2	None (within 50m)				
82	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
83	8.1	<u>Surface water flooding</u>	1 in 1000 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding					
85	9.1	<u>Groundwater flooding</u>	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
86	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
87	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
87	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
87	10.4	Special Protection Areas (SPA)	0	0	0	0	0
87	10.5	National Nature Reserves (NNR)	0	0	0	0	0
88	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
88	10.7	<u>Designated Ancient Woodland</u>	0	0	0	0	7
88	10.8	Biosphere Reserves	0	0	0	0	0
89	10.9	Forest Parks	0	0	0	0	0
89	10.10	Marine Conservation Zones	0	0	0	0	0
89	10.11	<u>Green Belt</u>	0	0	0	0	1
89	10.12	Proposed Ramsar sites	0	0	0	0	0



90	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
90	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
90	10.15	Nitrate Sensitive Areas	0	0	0	0	0
90	10.16	<u>Nitrate Vulnerable Zones</u>	0	0	0	0	1
92	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
93	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
94	11.1	World Heritage Sites	0	0	0	-	-
94	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
94	11.3	National Parks	0	0	0	-	-
94	11.4	Listed Buildings	0	0	0	-	-
95	11.5	Conservation Areas	0	0	0	-	-
95	11.6	Scheduled Ancient Monuments	0	0	0	-	-
95	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
96	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
97	12.2	Open Access Land	0	0	0	-	-
97	12.3	Tree Felling Licences	0	0	0	-	-
97	12.4	Environmental Stewardship Schemes	0	0	0	-	-
97	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
98	13.1	Priority Habitat Inventory	0	0	0	-	-
98	13.2	Habitat Networks	0	0	0	-	-
98	13.3	Open Mosaic Habitat	0	0	0	-	-
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
99	14.1	<u>10k Availability</u>	Identified (within 500m)				
100	14.2	<u>Artificial and made ground (10k)</u>	0	0	1	3	-
102	14.3	<u>Superficial geology (10k)</u>	1	0	1	0	-



103	14.4	Landslip (10k)	0	0	0	0	-
104	14.5	<u>Bedrock geology (10k)</u>	1	2	2	3	-
105	14.6	<u>Bedrock faults and other linear features (10k)</u>	0	0	1	2	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
106	15.1	<u>50k Availability</u>	Identified (within 500m)				
107	15.2	<u>Artificial and made ground (50k)</u>	0	0	0	1	-
108	15.3	Artificial ground permeability (50k)	0	0	-	-	-
109	15.4	<u>Superficial geology (50k)</u>	1	0	1	0	-
110	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
110	15.6	Landslip (50k)	0	0	0	0	-
110	15.7	Landslip permeability (50k)	None (within 50m)				
111	15.8	<u>Bedrock geology (50k)</u>	1	0	2	1	-
112	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
112	15.10	<u>Bedrock faults and other linear features (50k)</u>	0	0	1	2	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
113	16.1	<u>BGS Boreholes</u>	0	0	22	-	-
Page	Section	Natural ground subsidence					
115	17.1	<u>Shrink swell clays</u>	Negligible (within 50m)				
116	17.2	<u>Running sands</u>	Very low (within 50m)				
117	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
118	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
119	17.5	<u>Landslides</u>	Very low (within 50m)				
120	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
122	18.1	Natural cavities	0	0	0	0	-
123	18.2	<u>BritPits</u>	0	0	0	3	-
123	18.3	<u>Surface ground workings</u>	0	0	29	-	-
125	18.4	<u>Underground workings</u>	0	0	0	0	6
125	18.5	Historical Mineral Planning Areas	0	0	0	0	-



125	18.6	Non-coal mining	0	0	0	0	0
126	18.7	Mining cavities	0	0	0	0	0
126	18.8	JPB mining areas	None (within 0m)				
126	18.9	<u>Coal mining</u>	Identified (within 0m)				
126	18.10	Brine areas	None (within 0m)				
127	18.11	Gypsum areas	None (within 0m)				
127	18.12	Tin mining	None (within 0m)				
127	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
128	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
130	20.1	<u>BGS Estimated Background Soil Chemistry</u>	1	1	-	-	-
130	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
130	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
131	21.1	Underground railways (London)	0	0	0	-	-
131	21.2	Underground railways (Non-London)	0	0	0	-	-
132	21.3	Railway tunnels	0	0	0	-	-
132	21.4	<u>Historical railway and tunnel features</u>	0	0	2	-	-
132	21.5	Royal Mail tunnels	0	0	0	-	-
132	21.6	Historical railways	0	0	0	-	-
133	21.7	Railways	0	0	0	-	-
133	21.8	Crossrail 1	0	0	0	0	-
133	21.9	Crossrail 2	0	0	0	0	-
133	21.10	HS2	0	0	0	0	-

Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2023. All Rights Reserved.

Capture Date: 23/05/2019

Site Area: 0.01ha



Recent site history - 2011 aerial photograph



Capture Date: 02/05/2011

Site Area: 0.01ha



Recent site history - 2000 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2023. All Rights Reserved.

Capture Date: 19/06/2000

Site Area: 0.01ha



Recent site history - 1999 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2023. All Rights Reserved.

Capture Date: 10/09/1999

Site Area: 0.01ha

OS MasterMap site plan



Site Area: 0.01ha



1 Past land use



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

© Crown copyright and database rights 2023. Ordnance Survey licence 100035207

1.1 Historical industrial land uses

Records within 500m

179

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

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

ID	Location	Land use	Dates present	Group ID
1	13m NW	Cotton Mill	1851	644472



ID	Location	Land use	Dates present	Group ID
3	67m NW	Unspecified Commercial/Industrial	1851	643273
5	86m SE	Unspecified Works	1987 - 1992	709429
A	91m E	Leather Works	1909	751143
A	95m E	Leather Works	1928 - 1938	756615
6	113m W	Cotton Mill	1851	644471
A	133m E	Leather Works	1890	752449
C	137m S	Cotton Mill	1851	644473
A	141m E	Vale Mill	1851	653298
A	145m E	Leather Works	1949	780460
A	146m E	Unspecified Works	1968	718291
A	146m E	Unspecified Works	1975	774525
A	147m E	Tannery	1987 - 1992	726106
A	170m NE	Cotton Mill	1851	644474
D	171m N	Unspecified Works	1987	679035
A	182m NE	Unspecified Works	1992	726411
A	182m NE	Unspecified Works	1987	784167
F	190m SW	Rope Walk	1851	641263
C	205m S	Unspecified Commercial/Industrial	1851	643329
A	206m E	Unspecified Mill	1909	657012
G	214m S	Unspecified Mill	1909	742723
9	222m SW	Disused Brewery	1938	672567
10	225m NE	Sand Pits	1851	664409
G	225m S	Unspecified Mills	1949	653212
H	230m SW	Brewery	1890 - 1909	695250
I	238m NW	Unspecified Mill	1909	771419
I	240m NW	Unspecified Mill	1928	790270
D	241m N	Refuse Heap	1909	677989
I	245m NW	Unspecified Commercial/Industrial	1968	643272



ID	Location	Land use	Dates present	Group ID
I	245m NW	Unspecified Mill	1949	695567
12	246m SE	Unspecified Works	1987 - 1992	777848
J	248m NE	Unspecified Mills	1938	753816
G	258m S	Unspecified Mill	1938	736331
G	262m S	Unspecified Mill	1928	779611
I	265m N	Cotton Mill	1851	644456
I	269m N	Unspecified Mill	1938	767123
L	269m N	Brick Yard	1851	681784
I	271m N	Unspecified Mill	1928	768378
I	274m N	Unspecified Mill	1975 - 1987	715409
I	274m N	Unspecified Mill	1992	787885
G	275m S	Unspecified Mill	1938	730651
M	278m NW	Cotton Mills	1890	659319
D	281m N	Unspecified Ground Workings	1928	648068
J	282m E	Unspecified Mills	1909 - 1928	709769
N	283m E	Unspecified Ground Workings	1938	787871
13	286m E	Unspecified Heap	1909	650924
J	286m NE	Unspecified Mills	1949	705883
O	288m W	Unspecified Mill	1928 - 1938	770830
O	288m W	Unspecified Commercial/Industrial	1975	643323
O	288m W	Unspecified Mill	1968	762065
O	288m W	Unspecified Mill	1949	744080
O	296m W	Unspecified Mill	1909	735992
J	296m NE	Unspecified Mills	1890	757084
14	302m SW	Unspecified Pit	1938	690990
J	304m NE	Sand Pits	1851	664408
H	309m SW	Disused Brewery	1928	672568
P	309m N	Unspecified Mill	1890	657011



ID	Location	Land use	Dates present	Group ID
J	321m NE	Chimney	1851	684516
Q	325m S	Cuttings	1968	749299
Q	325m S	Cuttings	1949	754220
R	325m NE	Rope Walk	1851	641249
Q	326m S	Cuttings	1975	757642
M	328m NW	Unspecified Mill	1909	718051
S	329m S	Cuttings	1928	784579
S	329m S	Cuttings	1909	785672
S	329m S	Cuttings	1851	751311
15	330m SE	Cuttings	1851	642606
Q	331m S	Cuttings	1890	696354
Q	331m S	Cuttings	1938	781123
M	331m NW	Unspecified Mill	1938	787576
M	331m NW	Unspecified Mill	1909 - 1928	752340
M	334m NW	Unspecified Mill	1975 - 1992	744725
16	335m NW	Grave Yard	1851	668134
T	335m SE	Unspecified Wharf	1938	722379
U	335m N	Unspecified Mills	1928	765674
M	336m NW	Unspecified Commercial/Industrial	1968	643271
M	336m NW	Unspecified Mill	1949	744152
T	338m SE	Railway Sidings	1890	756094
M	339m NW	Unspecified Mill	1928	768377
N	340m E	Unspecified Pit	1968 - 1975	749750
N	345m E	Unspecified Ground Workings	1909	769255
Q	347m S	Cuttings	1987 - 1992	756604
T	350m SE	Railway Sidings	1968	776416
T	350m SE	Railway Sidings	1949	776436
T	352m SE	Railway Sidings	1938	785365



ID	Location	Land use	Dates present	Group ID
R	354m NE	Refuse Heap	1851	677954
T	354m SE	Railway Building	1975	670225
T	354m SE	Railway Station	1968	774902
T	354m SE	Railway Station	1949	779544
Q	357m S	Cuttings	1909 - 1928	695462
T	358m SE	Railway Station	1890 - 1938	760421
Q	358m S	Cuttings	1851	779789
T	359m SE	Railway Sidings	1975 - 1992	780627
V	359m SE	Unspecified Mills	1968 - 1975	695623
V	359m SE	Unspecified Mill	1987 - 1992	709811
V	359m SE	Unspecified Mills	1949	737761
T	362m SE	Railway Sidings	1928	704157
T	362m SE	Railway Sidings	1909	705761
T	367m SE	Railway Station	1851	736365
M	369m N	Unspecified Disused Mill	1890	675746
T	369m SE	Unspecified Commercial/Industrial	1968	643330
T	369m SE	Iron Works	1949	704071
V	372m SE	Unspecified Mills	1909 - 1928	746018
P	373m N	Ground Workings	1851	681864
T	377m SE	Railway Sidings	1851	760586
U	379m N	Unspecified Mill	1890	701813
18	380m NE	Unspecified Pit	1890	690988
W	381m SE	Unspecified Wharf	1949	735373
U	381m N	Unspecified Mills	1909	768510
M	383m NW	Unspecified Ground Workings	1968	648067
U	384m N	Unspecified Mill	1938	708740
U	386m N	Unspecified Mills	1968 - 1992	704476
U	386m N	Unspecified Mill	1949	730399



ID	Location	Land use	Dates present	Group ID
W	387m SE	Unspecified Wharf	1909 - 1928	745393
W	389m SE	Coal Depot	1851	641173
19	389m SE	Tramway Sidings	1851	670787
W	390m SE	Warehouse	1851	685827
X	396m E	Unspecified Ground Workings	1938	648064
Y	397m E	Refuse Heap	1890	677955
X	398m E	Unspecified Pit	1949	704001
X	398m E	Unspecified Pit	1968	738518
Z	407m W	Corporation Yard	1909	725336
T	412m SE	Railway Building	1987 - 1992	734775
AA	414m W	Police Station	1968 - 1975	695595
T	417m SE	Railway Building	1851	715461
T	418m SE	Railway Building	1949	716529
T	418m SE	Railway Building	1968 - 1975	764030
20	419m NE	Unspecified Ground Workings	1928	733555
AA	420m W	Police Station	1987 - 1992	749421
Y	421m E	Sand Pit	1909	643890
T	423m SE	Railway Building	1928	788569
T	423m SE	Railway Building	1890	702836
T	424m SE	Railway Building	1909	711147
21	424m SW	Electricity Generating Station	1909	691689
W	426m SE	Weighing Machine	1851	656617
W	428m SE	Unspecified Tank	1938	674834
AA	431m W	Refuse Heap	1909	677969
V	435m SE	Unspecified Mills	1938	704732
U	437m N	Unspecified Ground Workings	1890	648069
Z	439m SW	Corporation Yard	1938 - 1949	724002
V	444m SE	Unspecified Works	1992	679031



ID	Location	Land use	Dates present	Group ID
T	444m SE	Unspecified Depot	1987 - 1992	763803
T	450m SE	Railway Sidings	1851	738123
Y	451m E	Unspecified Heap	1968	650922
T	452m SE	Railway Building	1928	724142
AA	457m W	Unspecified Heap	1928	650925
AB	457m W	Mortuary	1909 - 1928	703013
T	458m SE	Iron Works	1909	744698
T	459m SE	Iron Works	1938	767631
T	459m SE	Iron Works	1928	707821
T	462m SE	Unspecified Works	1987 - 1992	774830
T	466m SE	Railway Building	1968	670219
AB	467m W	Refuse Heap	1890	677970
AC	468m SW	Railway Terminus	1928 - 1938	754962
T	470m SE	Railway Building	1890	773659
22	470m S	Railway Building	1949	670230
T	471m SE	Iron Foundry	1851	683066
V	472m SE	Cotton Mills	1890	659340
AD	472m SE	Unspecified Mills	1949	699086
AD	472m SE	Unspecified Commercial/Industrial	1987 - 1992	744837
AD	472m SE	Unspecified Commercial/Industrial	1968 - 1975	750615
AE	472m E	Sand Pit	1975 - 1987	739400
AA	475m W	Unspecified Pit	1928	690989
AC	475m SW	Unspecified Heap	1949	710606
AD	476m SE	Unspecified Mills	1890 - 1938	749851
AC	479m SW	Railway Terminus	1949	680163
AC	479m SW	Unspecified Heap	1928 - 1938	748447
AG	481m N	Refuse Heap	1909	677990
AC	483m SW	Unspecified Heap	1968	759855



ID	Location	Land use	Dates present	Group ID
AE	486m E	Sand Pit	1909	729135
AG	486m N	Unspecified Ground Workings	1938	648062
T	492m SE	Railway Building	1968	753903
T	492m SE	Railway Building	1949	758433
T	495m SE	Railway Building	1928	733579
T	495m SE	Railway Buildings	1890	681655
AH	496m NE	Sand Pit	1938 - 1949	730921
AH	497m NE	Sand Pit	1928	721471
T	498m SE	Railway Building	1851	755581
AA	498m W	Rope Walk	1851	641248

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	66
----------------------------	-----------

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

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

ID	Location	Land use	Dates present	Group ID
2	56m NW	Tanks	1910 - 1930	96425
A	73m E	Unspecified Tank	1956	89756
A	73m E	Unspecified Tank	1956	89856
A	88m E	Tanks	1974 - 1991	102272
A	100m E	Tanks	1974	87722
A	100m E	Unspecified Tank	1991	84264
A	114m NE	Unspecified Tank	1890	84265
A	120m E	Unspecified Tank	1985 - 1991	100572

ID	Location	Land use	Dates present	Group ID
A	127m E	Unspecified Tank	1967 - 1974	89391
A	128m E	Unspecified Tank	1991	96091
A	128m E	Unspecified Tank	1985	100804
A	136m E	Unspecified Tank	1974	95545
A	137m E	Unspecified Tank	1991	98857
A	137m E	Unspecified Tank	1985	102098
A	144m NE	Unspecified Tank	1956 - 1991	93744
A	146m E	Unspecified Tank	1967 - 1974	95970
A	146m E	Unspecified Tank	1985 - 1991	90659
A	151m NE	Tanks	1956 - 1974	100380
A	151m NE	Tanks	1985	93097
A	158m NE	Tanks	1991	100808
A	161m E	Unspecified Tank	1968	99132
A	162m E	Unspecified Tank	1890 - 1910	99566
A	163m E	Unspecified Tank	1967 - 1974	92815
A	188m E	Tanks	1910	87690
A	194m E	Unspecified Tank	1967 - 1968	102803
A	195m E	Unspecified Tank	1967 - 1985	94372
A	195m E	Unspecified Tank	1991	89965
A	195m E	Unspecified Tank	1985	95020
A	197m E	Unspecified Tank	1967 - 1974	101967
A	199m E	Tanks	1910	87691
A	199m E	Unspecified Tank	1968	103232
A	203m E	Unspecified Tank	1985 - 1991	89174
D	204m N	Tanks	1930	87689
A	207m E	Unspecified Tank	1985 - 1991	93180
A	207m E	Unspecified Tank	1956	89753
A	207m E	Unspecified Tank	1968	103236

ID	Location	Land use	Dates present	Group ID
A	207m E	Tanks	1967 - 1991	97662
A	208m E	Unspecified Tank	1956	101238
A	208m E	Unspecified Tank	1967	102754
A	208m E	Unspecified Tank	1974	103735
F	216m SW	Unspecified Tank	1967	97116
F	216m SW	Unspecified Tank	1967	102445
F	216m SW	Unspecified Tank	1965	93565
F	216m SW	Unspecified Tank	1974	94931
F	217m SW	Unspecified Tank	1978	100974
A	218m E	Unspecified Tank	1974 - 1991	93605
C	218m S	Tanks	1974 - 1978	90176
C	233m S	Unspecified Tank	1974 - 1978	91845
C	251m S	Unspecified Tank	1986 - 1994	90755
C	283m S	Unspecified Tank	1956	88730
J	316m NE	Unspecified Tank	1929 - 1937	91906
J	321m NE	Unspecified Tank	1956	89615
J	322m NE	Unspecified Tank	1890	84268
17	336m SE	Unspecified Tank	1930	84730
P	344m N	Tanks	1956 - 1985	97823
P	359m N	Unspecified Tank	1937	84255
L	399m NE	Unspecified Tank	1890 - 1937	98153
L	403m NE	Unspecified Tank	1956	102506
L	403m NE	Unspecified Tank	1956	97974
M	407m NW	Unspecified Tank	1929 - 1937	94398
V	462m SE	Tanks	1929	87731
V	463m SE	Unspecified Tank	1968	95619
V	464m SE	Unspecified Tank	1937	84731
V	464m SE	Tanks	1929	87730



ID	Location	Land use	Dates present	Group ID
24	473m SW	Unspecified Tank	1891	84733
T	477m SE	Unspecified Tank	1986 - 1994	103835

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

16

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

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

ID	Location	Land use	Dates present	Group ID
4	72m SW	Electricity Substation	1956 - 1968	54012
7	130m NW	Electricity Substation	1989 - 1999	48507
8	213m N	Electricity Substation	1985 - 1991	49342
11	228m SE	Electricity Substation	1983 - 1994	46978
K	262m W	Electricity Substation	1981 - 1999	46796
O	311m W	Electricity Substation	1981	57260
O	312m W	Electricity Substation	1956 - 1968	51371
J	312m NE	Electricity Substation	1956	59242
J	343m NE	Electricity Substation	1968	53172
J	343m NE	Electricity Substation	1956 - 1991	49472
H	346m SW	Electricity Substation	1974 - 1990	49540
L	369m N	Electricity Substation	1974 - 1991	51680
L	374m N	Electricity Substation	1985	46698
M	386m NW	Electricity Substation	1956 - 1999	50473
V	472m SE	Electricity Substation	1986	45526
23	473m W	Electricity Substation	1956 - 1999	53231



This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

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

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	17
----------------------------	-----------

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

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

ID	Location	Land use	Dates present	Group ID
B	83m W	Garage	1999	16673
B	89m W	Garage	1967	17750
B	96m W	Garage	1981 - 1989	18900
B	100m W	Garage	1956	18597
B	100m W	Garage	1968	15821
D	165m N	Garage	1968 - 1999	19066
D	166m N	Garage	1968 - 1981	17540
D	173m N	Garage	1991	16022
D	177m N	Garage	1967 - 1974	19033
E	177m SE	Garage	1986 - 1994	18333
E	178m SE	Garage	1983	16044
D	182m N	Garage	1989	15169



ID	Location	Land use	Dates present	Group ID
D	183m N	Garage	1967	15390
K	252m W	Garage	1967	18818
K	252m W	Garage	1956 - 1968	19661
AF	480m NW	Garage	1956 - 1985	19683
AF	480m NW	Garage	1956 - 1990	18666

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

222

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 26**

ID	Location	Land Use	Date	Group ID
1	13m NW	Cotton Mill	1851	644472
2	67m NW	Unspecified Commercial/Industrial	1851	643273
E	86m SE	Unspecified Works	1992	709429

ID	Location	Land Use	Date	Group ID
E	86m SE	Unspecified Works	1987	709429
C	91m E	Leather Works	1909	751143
C	95m E	Leather Works	1938	756615
C	95m E	Leather Works	1928	756615
3	113m W	Cotton Mill	1851	644471
C	133m E	Leather Works	1890	752449
G	137m S	Cotton Mill	1851	644473
C	141m E	Vale Mill	1851	653298
C	145m E	Leather Works	1949	780460
C	146m E	Unspecified Works	1975	774525
C	146m E	Unspecified Works	1968	718291
C	147m E	Tannery	1992	726106
C	147m E	Tannery	1987	726106
C	170m NE	Cotton Mill	1851	644474
H	171m N	Unspecified Works	1987	679035
C	182m NE	Unspecified Works	1992	726411
C	182m NE	Unspecified Works	1987	784167
J	190m SW	Rope Walk	1851	641263
G	205m S	Unspecified Commercial/Industrial	1851	643329
C	206m E	Unspecified Mill	1909	657012
L	214m S	Unspecified Mill	1909	742723
M	222m SW	Disused Brewery	1938	672567
4	225m NE	Sand Pits	1851	664409
L	225m S	Unspecified Mills	1949	653212
M	230m SW	Brewery	1890	695250
O	238m NW	Unspecified Mill	1909	771419
O	240m NW	Unspecified Mill	1928	790270
H	241m N	Refuse Heap	1909	677989



ID	Location	Land Use	Date	Group ID
P	242m SW	Brewery	1909	695250
O	245m NW	Unspecified Mill	1949	695567
O	245m NW	Unspecified Commercial/Industrial	1968	643272
Q	246m SE	Unspecified Works	1992	777848
Q	246m SE	Unspecified Works	1987	777848
R	248m NE	Unspecified Mills	1938	753816
L	258m S	Unspecified Mill	1938	736331
L	262m S	Unspecified Mill	1928	779611
L	262m S	Unspecified Mill	1928	779611
O	265m N	Cotton Mill	1851	644456
O	269m N	Unspecified Mill	1938	767123
T	269m N	Brick Yard	1851	681784
O	271m N	Unspecified Mill	1928	768378
O	274m N	Unspecified Mill	1992	787885
O	274m N	Unspecified Mill	1987	715409
O	274m N	Unspecified Mill	1975	715409
L	275m S	Unspecified Mill	1938	730651
U	278m NW	Cotton Mills	1890	659319
H	281m N	Unspecified Ground Workings	1928	648068
R	282m E	Unspecified Mills	1928	709769
V	283m E	Unspecified Ground Workings	1938	787871
5	286m E	Unspecified Heap	1909	650924
R	286m NE	Unspecified Mills	1949	705883
W	288m W	Unspecified Mill	1938	770830
W	288m W	Unspecified Commercial/Industrial	1975	643323
W	288m W	Unspecified Mill	1968	762065
W	288m W	Unspecified Mill	1949	744080
W	288m W	Unspecified Mill	1928	770830



ID	Location	Land Use	Date	Group ID
W	296m W	Unspecified Mill	1909	735992
R	296m NE	Unspecified Mills	1890	757084
M	302m SW	Unspecified Pit	1938	690990
R	304m NE	Sand Pits	1851	664408
R	307m E	Unspecified Mills	1909	709769
P	309m SW	Disused Brewery	1928	672568
T	309m N	Unspecified Mill	1890	657011
R	321m NE	Chimney	1851	684516
X	325m S	Cuttings	1949	754220
X	325m S	Cuttings	1968	749299
Y	325m NE	Rope Walk	1851	641249
X	326m S	Cuttings	1975	757642
U	328m NW	Unspecified Mill	1909	718051
Z	329m S	Cuttings	1928	784579
Z	329m S	Cuttings	1909	785672
Z	329m S	Cuttings	1851	751311
6	330m SE	Cuttings	1851	642606
X	331m S	Cuttings	1938	781123
X	331m S	Cuttings	1890	696354
U	331m NW	Unspecified Mill	1938	787576
U	331m NW	Unspecified Mill	1928	752340
U	331m NW	Unspecified Mill	1909	752340
U	334m NW	Unspecified Mill	1992	744725
U	334m NW	Unspecified Mill	1987	744725
U	334m NW	Unspecified Mill	1975	744725
7	335m NW	Grave Yard	1851	668134
AA	335m SE	Unspecified Wharf	1938	722379
AB	335m N	Unspecified Mills	1928	765674



ID	Location	Land Use	Date	Group ID
U	336m NW	Unspecified Mill	1949	744152
U	336m NW	Unspecified Commercial/Industrial	1968	643271
AA	338m SE	Railway Sidings	1890	756094
U	339m NW	Unspecified Mill	1928	768377
V	340m E	Unspecified Pit	1975	749750
V	340m E	Unspecified Pit	1968	749750
V	345m E	Unspecified Ground Workings	1909	769255
X	347m S	Cuttings	1992	756604
X	347m S	Cuttings	1987	756604
AA	350m SE	Railway Sidings	1949	776436
AA	350m SE	Railway Sidings	1968	776416
AA	352m SE	Railway Sidings	1938	785365
Y	354m NE	Refuse Heap	1851	677954
AA	354m SE	Railway Building	1975	670225
AA	354m SE	Railway Station	1949	779544
AA	354m SE	Railway Station	1968	774902
X	357m S	Cuttings	1928	695462
X	357m S	Cuttings	1909	695462
AA	358m SE	Railway Station	1938	760421
X	358m S	Cuttings	1851	779789
AA	358m SE	Railway Station	1890	760421
AA	358m SE	Railway Station	1928	760421
AA	358m SE	Railway Station	1909	760421
AA	359m SE	Railway Sidings	1992	780627
AA	359m SE	Railway Sidings	1987	780627
AA	359m SE	Railway Sidings	1975	780627
AC	359m SE	Unspecified Mill	1992	709811
AC	359m SE	Unspecified Mill	1987	709811



ID	Location	Land Use	Date	Group ID
AC	359m SE	Unspecified Mills	1975	695623
AC	359m SE	Unspecified Mills	1949	737761
AC	359m SE	Unspecified Mills	1968	695623
AA	362m SE	Railway Sidings	1928	704157
AA	362m SE	Railway Sidings	1909	705761
AA	367m SE	Railway Station	1851	736365
U	369m N	Unspecified Disused Mill	1890	675746
AA	369m SE	Iron Works	1949	704071
AA	369m SE	Unspecified Commercial/Industrial	1968	643330
AC	372m SE	Unspecified Mills	1928	746018
AC	372m SE	Unspecified Mills	1909	746018
T	373m N	Ground Workings	1851	681864
AA	377m SE	Railway Sidings	1851	760586
AB	379m N	Unspecified Mill	1890	701813
9	380m NE	Unspecified Pit	1890	690988
AD	381m SE	Unspecified Wharf	1949	735373
AB	381m N	Unspecified Mills	1909	768510
U	383m NW	Unspecified Ground Workings	1968	648067
AB	384m N	Unspecified Mill	1938	708740
AB	386m N	Unspecified Mills	1992	704476
AB	386m N	Unspecified Mills	1987	704476
AB	386m N	Unspecified Mills	1975	704476
AB	386m N	Unspecified Mill	1949	730399
AB	386m N	Unspecified Mills	1968	704476
AD	387m SE	Unspecified Wharf	1928	745393
AD	387m SE	Unspecified Wharf	1909	745393
AD	389m SE	Coal Depot	1851	641173
10	389m SE	Tramway Sidings	1851	670787



ID	Location	Land Use	Date	Group ID
AD	390m SE	Warehouse	1851	685827
AE	396m E	Unspecified Ground Workings	1938	648064
AF	397m E	Refuse Heap	1890	677955
AE	398m E	Unspecified Pit	1949	704001
AE	398m E	Unspecified Pit	1968	738518
AG	407m W	Corporation Yard	1909	725336
AA	412m SE	Railway Building	1992	734775
AA	412m SE	Railway Building	1987	734775
AH	414m W	Police Station	1968	695595
AH	415m W	Police Station	1975	695595
AA	417m SE	Railway Building	1851	715461
AA	418m SE	Railway Building	1975	764030
AA	418m SE	Railway Building	1949	716529
AA	418m SE	Railway Building	1968	764030
11	419m NE	Unspecified Ground Workings	1928	733555
AH	420m W	Police Station	1992	749421
AH	420m W	Police Station	1987	749421
AF	421m E	Sand Pit	1909	643890
AA	423m SE	Railway Building	1928	788569
AA	423m SE	Railway Building	1890	702836
AA	424m SE	Railway Building	1909	711147
12	424m SW	Electricity Generating Station	1909	691689
AD	426m SE	Weighing Machine	1851	656617
AD	428m SE	Unspecified Tank	1938	674834
AH	431m W	Refuse Heap	1909	677969
AC	435m SE	Unspecified Mills	1938	704732
AB	437m N	Unspecified Ground Workings	1890	648069
AG	439m SW	Corporation Yard	1949	724002



ID	Location	Land Use	Date	Group ID
AC	444m SE	Unspecified Works	1992	679031
AA	444m SE	Unspecified Depot	1992	763803
AA	444m SE	Unspecified Depot	1987	763803
AA	450m SE	Railway Sidings	1851	738123
AF	451m E	Unspecified Heap	1968	650922
AA	452m SE	Railway Building	1928	724142
AH	457m W	Unspecified Heap	1928	650925
AI	457m W	Mortuary	1928	703013
AA	458m SE	Iron Works	1909	744698
AA	459m SE	Iron Works	1938	767631
AA	459m SE	Iron Works	1928	707821
AA	462m SE	Unspecified Works	1992	774830
AA	462m SE	Unspecified Works	1987	774830
AG	465m W	Corporation Yard	1938	724002
AA	466m SE	Railway Building	1968	670219
AI	467m W	Refuse Heap	1890	677970
AJ	468m SW	Railway Terminus	1938	754962
AA	470m SE	Railway Building	1890	773659
13	470m S	Railway Building	1949	670230
AJ	470m SW	Railway Terminus	1928	754962
AA	471m SE	Iron Foundry	1851	683066
AC	472m SE	Cotton Mills	1890	659340
AK	472m SE	Unspecified Commercial/Industrial	1992	744837
AK	472m SE	Unspecified Commercial/Industrial	1987	744837
AK	472m SE	Unspecified Commercial/Industrial	1975	750615
AK	472m SE	Unspecified Mills	1949	699086
AK	472m SE	Unspecified Commercial/Industrial	1968	750615
AL	472m E	Sand Pit	1987	739400



ID	Location	Land Use	Date	Group ID
AL	472m E	Sand Pit	1975	739400
AH	475m W	Unspecified Pit	1928	690989
AJ	475m SW	Unspecified Heap	1949	710606
AK	476m SE	Unspecified Mills	1938	749851
AK	476m SE	Unspecified Mills	1890	749851
AK	477m SE	Unspecified Mills	1928	749851
AK	477m SE	Unspecified Mills	1909	749851
AJ	479m SW	Railway Terminus	1949	680163
AJ	479m SW	Unspecified Heap	1938	748447
AN	481m N	Refuse Heap	1909	677990
AJ	483m SW	Unspecified Heap	1928	748447
AJ	483m SW	Unspecified Heap	1968	759855
AL	486m E	Sand Pit	1909	729135
AN	486m N	Unspecified Ground Workings	1938	648062
AA	492m SE	Railway Building	1949	758433
AA	492m SE	Railway Building	1968	753903
AI	494m W	Mortuary	1909	703013
AA	495m SE	Railway Building	1928	733579
AA	495m SE	Railway Buildings	1890	681655
AO	496m NE	Sand Pit	1938	730921
AO	497m NE	Sand Pit	1928	721471
AA	498m SE	Railway Building	1851	755581
AH	498m W	Rope Walk	1851	641248

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m

117

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 26**

ID	Location	Land Use	Date	Group ID
A	56m NW	Tanks	1910	96425
A	56m NW	Tanks	1930	96425
C	73m E	Unspecified Tank	1956	89756
C	73m E	Unspecified Tank	1956	89856
C	88m E	Tanks	1974	102272
C	88m E	Tanks	1985	102272
C	88m E	Tanks	1991	102272
C	100m E	Tanks	1974	87722
C	100m E	Unspecified Tank	1991	84264
C	114m NE	Unspecified Tank	1890	84265
C	120m E	Unspecified Tank	1985	100572
C	120m E	Unspecified Tank	1991	100572
C	127m E	Unspecified Tank	1968	89391
C	128m E	Unspecified Tank	1985	100804
C	128m E	Unspecified Tank	1991	96091
C	129m E	Unspecified Tank	1967	89391
C	129m E	Unspecified Tank	1974	89391
C	136m E	Unspecified Tank	1974	95545
C	137m E	Unspecified Tank	1985	102098
C	137m E	Unspecified Tank	1991	98857
C	144m NE	Unspecified Tank	1985	93744
C	144m NE	Unspecified Tank	1991	93744
C	145m NE	Unspecified Tank	1956	93744



ID	Location	Land Use	Date	Group ID
C	145m NE	Unspecified Tank	1968	93744
C	145m NE	Unspecified Tank	1967	93744
C	145m NE	Unspecified Tank	1956	93744
C	145m NE	Unspecified Tank	1974	93744
C	146m E	Unspecified Tank	1968	95970
C	146m E	Unspecified Tank	1985	90659
C	146m E	Unspecified Tank	1991	90659
C	147m E	Unspecified Tank	1967	95970
C	147m E	Unspecified Tank	1974	95970
C	151m NE	Tanks	1956	100380
C	151m NE	Tanks	1968	100380
C	151m NE	Tanks	1985	93097
C	152m NE	Tanks	1967	100380
C	152m NE	Tanks	1956	100380
C	152m NE	Tanks	1974	100380
C	158m NE	Tanks	1991	100808
C	161m E	Unspecified Tank	1968	99132
C	162m E	Unspecified Tank	1890	99566
C	162m E	Unspecified Tank	1910	99566
C	163m E	Unspecified Tank	1967	92815
C	163m E	Unspecified Tank	1974	92815
C	188m E	Tanks	1910	87690
C	194m E	Unspecified Tank	1968	102803
C	195m E	Unspecified Tank	1968	94372
C	195m E	Unspecified Tank	1985	94372
C	195m E	Unspecified Tank	1967	94372
C	195m E	Unspecified Tank	1974	94372
C	195m E	Unspecified Tank	1967	102803



ID	Location	Land Use	Date	Group ID
C	195m E	Unspecified Tank	1985	95020
C	195m E	Unspecified Tank	1991	89965
C	197m E	Unspecified Tank	1967	101967
C	197m E	Unspecified Tank	1974	101967
C	199m E	Tanks	1910	87691
C	199m E	Unspecified Tank	1968	103232
C	203m E	Unspecified Tank	1985	89174
C	203m E	Unspecified Tank	1991	89174
H	204m N	Tanks	1930	87689
C	207m E	Unspecified Tank	1985	93180
C	207m E	Unspecified Tank	1991	93180
C	207m E	Unspecified Tank	1956	89753
C	207m E	Unspecified Tank	1968	103236
C	207m E	Tanks	1968	97662
C	208m E	Unspecified Tank	1967	102754
C	208m E	Unspecified Tank	1956	101238
C	208m E	Unspecified Tank	1974	103735
C	208m E	Tanks	1985	97662
C	208m E	Tanks	1991	97662
C	209m E	Tanks	1967	97662
C	209m E	Tanks	1974	97662
J	216m SW	Unspecified Tank	1967	102445
J	216m SW	Unspecified Tank	1967	97116
J	216m SW	Unspecified Tank	1965	93565
J	216m SW	Unspecified Tank	1974	94931
J	217m SW	Unspecified Tank	1978	100974
C	218m E	Unspecified Tank	1974	93605
G	218m S	Tanks	1978	90176



ID	Location	Land Use	Date	Group ID
G	219m S	Tanks	1974	90176
C	219m E	Unspecified Tank	1985	93605
C	219m E	Unspecified Tank	1991	93605
G	233m S	Unspecified Tank	1978	91845
G	233m S	Unspecified Tank	1974	91845
G	251m S	Unspecified Tank	1986	90755
G	251m S	Unspecified Tank	1994	90755
G	283m S	Unspecified Tank	1956	88730
G	283m S	Unspecified Tank	1956	88730
R	316m NE	Unspecified Tank	1929	91906
R	316m NE	Unspecified Tank	1937	91906
R	321m NE	Unspecified Tank	1956	89615
R	322m NE	Unspecified Tank	1956	89615
R	322m NE	Unspecified Tank	1890	84268
8	336m SE	Unspecified Tank	1930	84730
T	344m N	Tanks	1956	97823
T	344m N	Tanks	1968	97823
T	344m N	Tanks	1985	97823
T	344m N	Tanks	1967	97823
T	344m N	Tanks	1956	97823
T	344m N	Tanks	1974	97823
T	359m N	Unspecified Tank	1937	84255
T	399m NE	Unspecified Tank	1890	98153
T	399m NE	Unspecified Tank	1910	98153
T	399m NE	Unspecified Tank	1929	98153
T	399m NE	Unspecified Tank	1937	98153
T	403m NE	Unspecified Tank	1956	102506
T	403m NE	Unspecified Tank	1956	97974



ID	Location	Land Use	Date	Group ID
U	407m NW	Unspecified Tank	1929	94398
U	407m NW	Unspecified Tank	1937	94398
AC	462m SE	Tanks	1929	87731
AC	463m SE	Unspecified Tank	1968	95619
AC	463m SE	Unspecified Tank	1968	95619
AC	464m SE	Unspecified Tank	1937	84731
AC	464m SE	Tanks	1929	87730
14	473m SW	Unspecified Tank	1891	84733
AA	477m SE	Unspecified Tank	1994	103835
AA	479m SE	Unspecified Tank	1986	103835

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

54

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 26**

ID	Location	Land Use	Date	Group ID
B	72m SW	Electricity Substation	1956	54012
B	72m SW	Electricity Substation	1956	54012
B	72m SW	Electricity Substation	1956	54012
B	72m SW	Electricity Substation	1968	54012
F	130m NW	Electricity Substation	1999	48507
F	130m NW	Electricity Substation	1989	48507
K	213m N	Electricity Substation	1985	49342
K	213m N	Electricity Substation	1991	49342
N	228m SE	Electricity Substation	1994	46978
N	228m SE	Electricity Substation	1983	46978



ID	Location	Land Use	Date	Group ID
N	228m SE	Electricity Substation	1986	46978
S	262m W	Electricity Substation	1999	46796
S	263m W	Electricity Substation	1989	46796
S	264m W	Electricity Substation	1981	46796
W	311m W	Electricity Substation	1981	57260
W	312m W	Electricity Substation	1956	51371
W	312m W	Electricity Substation	1968	51371
W	312m W	Electricity Substation	1956	51371
W	312m W	Electricity Substation	1967	51371
W	312m W	Electricity Substation	1956	51371
W	312m W	Electricity Substation	1967	51371
R	312m NE	Electricity Substation	1956	59242
R	313m NE	Electricity Substation	1956	59242
R	343m NE	Electricity Substation	1968	53172
R	343m NE	Electricity Substation	1967	49472
R	345m NE	Electricity Substation	1956	49472
R	345m NE	Electricity Substation	1974	49472
R	345m NE	Electricity Substation	1985	49472
R	345m NE	Electricity Substation	1991	49472
P	346m SW	Electricity Substation	1990	49540
P	346m SW	Electricity Substation	1974	49540
P	346m SW	Electricity Substation	1978	49540
R	346m NE	Electricity Substation	1956	49472
T	369m N	Electricity Substation	1991	51680
T	370m N	Electricity Substation	1974	51680
T	374m N	Electricity Substation	1985	46698
U	386m NW	Electricity Substation	1956	50473
U	386m NW	Electricity Substation	1989	50473



ID	Location	Land Use	Date	Group ID
U	386m NW	Electricity Substation	1968	50473
U	386m NW	Electricity Substation	1956	50473
U	386m NW	Electricity Substation	1967	50473
U	386m NW	Electricity Substation	1956	50473
U	387m NW	Electricity Substation	1999	50473
U	387m NW	Electricity Substation	1981	50473
AC	472m SE	Electricity Substation	1986	45526
AH	473m W	Electricity Substation	1999	53231
AH	473m W	Electricity Substation	1956	53231
AH	473m W	Electricity Substation	1967	53231
AH	473m W	Electricity Substation	1956	53231
AH	473m W	Electricity Substation	1967	53231
AH	473m W	Electricity Substation	1981	53231
AH	473m W	Electricity Substation	1956	53231
AH	473m W	Electricity Substation	1989	53231
AH	473m W	Electricity Substation	1968	53231

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

31

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 26**

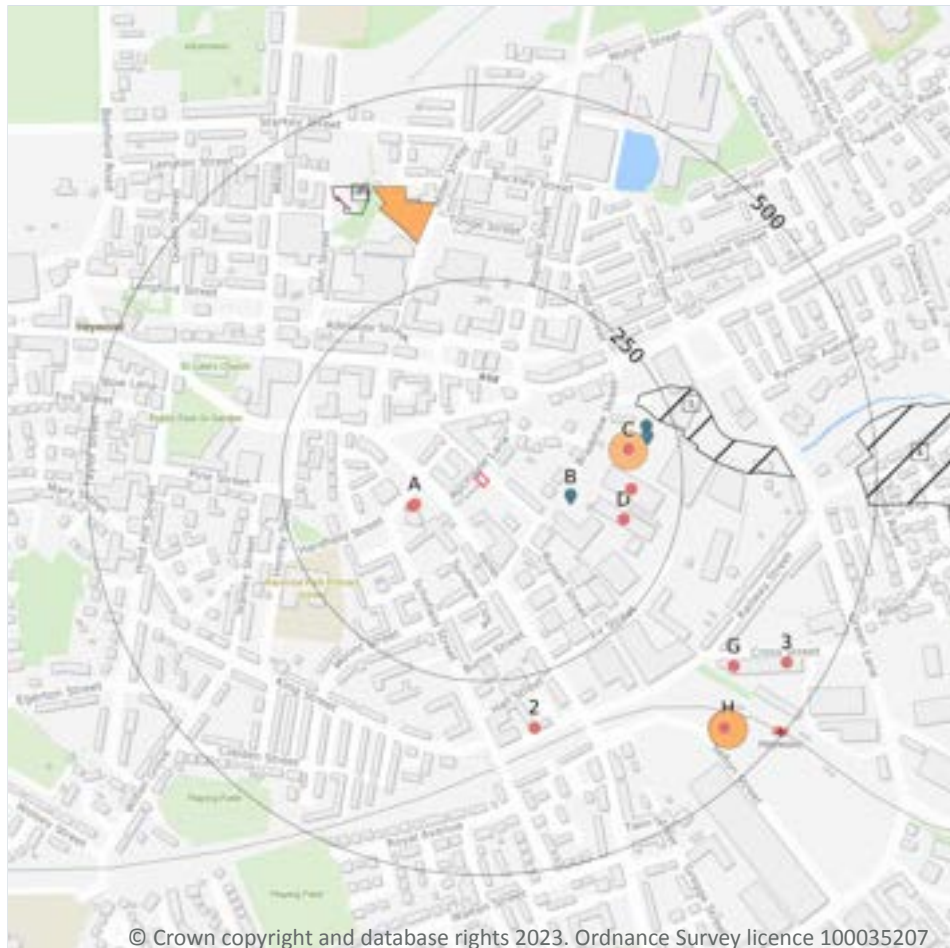
ID	Location	Land Use	Date	Group ID
D	83m W	Garage	1999	16673
D	89m W	Garage	1967	17750
D	89m W	Garage	1967	17750
D	96m W	Garage	1981	18900
D	100m W	Garage	1956	18597
D	100m W	Garage	1956	18597
D	100m W	Garage	1968	15821
D	101m W	Garage	1989	18900
H	165m N	Garage	1999	19066
H	166m N	Garage	1968	19066
H	166m N	Garage	1981	17540
H	173m N	Garage	1991	16022
H	177m N	Garage	1967	19033
H	177m N	Garage	1974	19033
I	177m SE	Garage	1994	18333
I	178m SE	Garage	1983	16044
I	178m SE	Garage	1986	18333
H	182m N	Garage	1989	15169
H	183m N	Garage	1967	15390
H	194m N	Garage	1968	17540
S	252m W	Garage	1967	18818
S	252m W	Garage	1967	18818
S	252m W	Garage	1956	19661
S	252m W	Garage	1968	19661
S	252m W	Garage	1956	19661
S	252m W	Garage	1956	19661
AM	480m NW	Garage	1985	19683

ID	Location	Land Use	Date	Group ID
AM	480m NW	Garage	1973	18666
AM	480m NW	Garage	1990	18666
AM	481m NW	Garage	1956	18666
AM	481m NW	Garage	1956	19683

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical landfill (LA/OS)
- Historical waste sites
- ◆ Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

2

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

Features are displayed on the Waste and landfill map on **page 44**

ID	Location	Site address	Source	Data type
F	367m NW	Refuse Tip	1967 mapping	Polygon
F	367m NW	Refuse Tip	1967 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

2

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

Features are displayed on the Waste and landfill map on **page 44**

ID	Location	Details		
1	213m NE	Site Address: Roe Acre Mill, Rochdale Road East, Heywood, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: D121, 0786 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Rochdale Canal Company Licence Holder: Roe Acre Dye and Finishing Company Limited First Recorded 01/05/1972 Last Recorded: 31/08/1992
4	474m E	Site Address: Brook Bank, Green Lane, Heywood, Bury, Greater Manchester Licence Holder Address: Brook Bank, Green Lane, Heywood	Waste Licence: Yes Site Reference: D043, D15461, RD/LIC/193/80 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/10/1980 Licence Surrender: -	Operator: - Licence Holder: Gort Bank Sand Pits Limited First Recorded - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m	6
---------------------	---

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 44**

ID	Location	Address	Further Details	Date
C	159m E	Site Address: Silvester House, Bradshaw Street, Roe Acre Tannery, HEYWOOD, Greater Manchester, OL10 1PN	Type of Site: Recycling Centre (Conversion) Planning application reference: 08/D50670 Description: Scheme comprises change of use from industrial yard/tannery to waste recycling centre. An application (ref: 08/D50670) for detailed planning permission was granted by Rochdale B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	21/02/2009
E	306m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
E	307m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
E	307m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
H	417m SE	Site Address: Sefton Street, HEYWOOD, Greater Manchester, OL10 2JX	Type of Site: Waste Transfer Depot Planning application reference: D28566 Description: An application (ref: D28566) for Detailed Planning permission was submitted to Rochdale B.C. on 24th August 1992. Construction - 2 roller shutter industrial doors. Data source: Historic Planning Application Data Type: Point	-

ID	Location	Address	Further Details	Date
H	418m SE	Site Address: Sefton Street, Waste Transfer/Recycling Depot, Sefton Street, HEYWOOD, Greater Manchester, OL10 2JF	Type of Site: Waste Transfer/Recycling Depot Planning application reference: 35703 Description: Renewal of 28566 for a waste transfer/recycling depot. An application (ref: 35703) for Detailed Planning permission was submitted to Rochdale B.C. on 21st August 1998. Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m	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 44**

ID	Location	Details		
B	108m E	Site Name: Roeacre Transfer Station Site Address: Silvester House, Roeacre Tannery, Bradshaw Street, Heywood, Lancs, OL10 1PN Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ROE005 EPR reference: CP3198EN/A001 Operator: Roeacre Industries Ltd Waste Management licence No: 100414 Annual Tonnage: 0	Issue Date: 24/11/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	108m E	Site Name: Roeacre Transfer Station Site Address: Silvester House, Roeacre Tannery, Bradshaw Street, Heywood, Lancashire, OL10 1PN Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PGC003 EPR reference: EA/EPR/CP3198EN/A001 Operator: P G C Skip Hire Ltd Waste Management licence No: 100414 Annual Tonnage: 24999	Issue Date: 24/11/2008 Effective Date: 17/03/2011 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred



ID	Location	Details		
C	211m E	Site Name: Silvester House Site Address: ROCHDALE SKIP HIRE LTD, Silvester House, Bradshaw Street, Heywood, OL10 1PN Correspondence Address: -	Type of Site: Inert & Excavation WTS with treatment Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: - EPR reference: EA/EPR/WE3011AA/T002 Operator: ROCHDALE SKIP HIRE LTD Waste Management licence No: 120078 Annual Tonnage: -	Issue Date: 10/06/2019 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
C	213m E	Site Name: Roe Acre Transfer Station Site Address: Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, Lancashire, OL10 1PN Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PGC006 EPR reference: EA/EPR/AB3206XV/T001 Operator: P G C Demolition Limited Waste Management licence No: 100414 Annual Tonnage: 24999	Issue Date: 24/11/2008 Effective Date: 20/08/2013 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked

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

3.7 Waste exemptions

Records within 500m	25
----------------------------	-----------

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 44**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	85m W	36-38 Manchester Street, Heywood, Lancashire, OL10 1DL	EA/EPR/VP388 OVQ/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
A	85m W	36-38 Manchester Street Heywood Lancashire OL10 1DL	EA/EPR/VP375 5HN/A001	Treating waste exemption	Non-Agricultural Waste Only	Repair or refurbishment of WEEE



ID	Location	Site	Reference	Category	Sub-Category	Description
A	90m W	36-38 Manchester Street, Heywood, Lancashire, OL10 1DL	EA/EPR/VP398 2NY/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
D	181m E	ROEACRE BUSINESS PARK, UNIT 9, BRADSHAW STREET, HEYWOOD, OL10 1PN	WEX125077	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	184m E	SILVESTER HOUSE, BRADSHAW STREET, HEYWOOD, OL10 1PN	WEX130753	Treating waste exemption	Not on a farm	Screening and blending of waste
C	184m E	SILVESTER HOUSE, BRADSHAW STREET, HEYWOOD, OL10 1PN	WEX130753	Using waste exemption	Not on a farm	Use of waste in construction
D	184m E	Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, OL10 1PN	WEX241788	Using waste exemption	Not on a farm	Use of waste in construction
D	184m E	Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, OL10 1PN	WEX241788	Using waste exemption	Not on a farm	Use of waste for a specified purpose
D	184m E	Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, OL10 1PN	WEX241788	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
D	184m E	Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, OL10 1PN	WEX241788	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
D	184m E	Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, OL10 1PN	WEX241788	Treating waste exemption	Not on a farm	Screening and blending of waste
D	184m E	Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, OL10 1PN	WEX241788	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	184m E	Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, OL10 1PN	WEX241788	Treating waste exemption	Not on a farm	Sorting mixed waste
D	184m E	Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, OL10 1PN	WEX241788	Treating waste exemption	Not on a farm	Manual treatment of waste
D	184m E	Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, OL10 1PN	WEX241788	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment

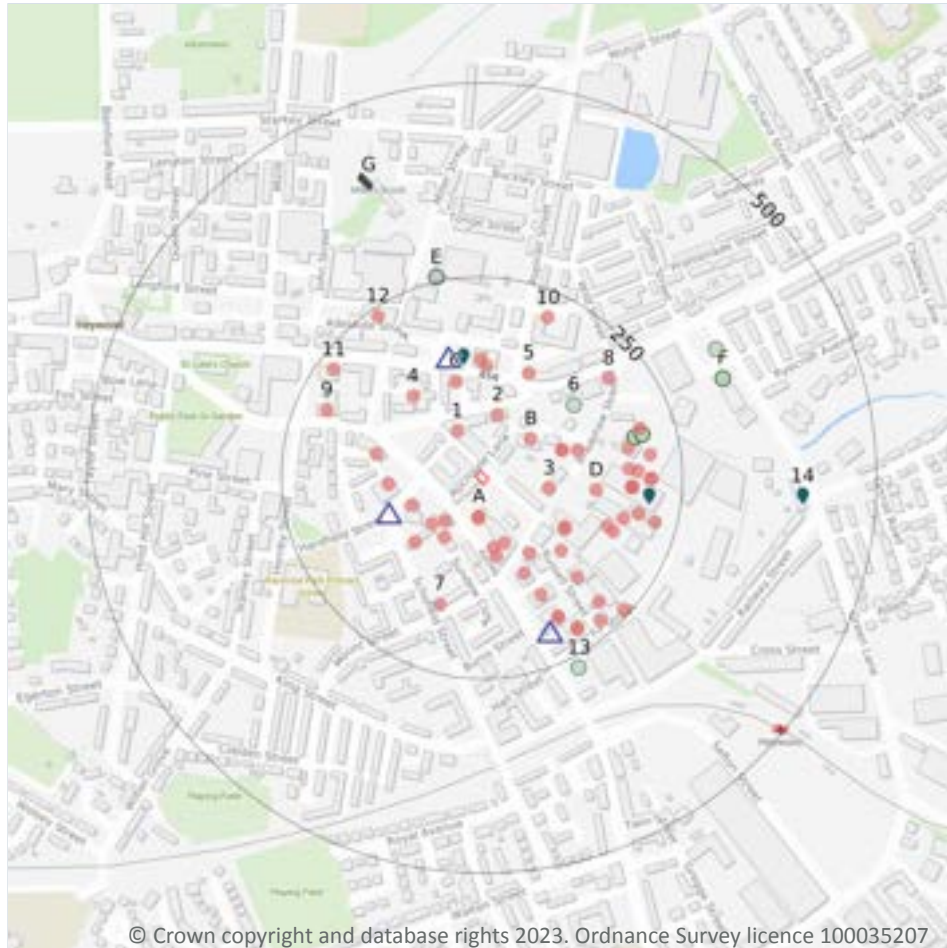


ID	Location	Site	Reference	Category	Sub-Category	Description
D	184m E	Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, OL10 1PN	WEX241788	Disposing of waste exemption	Not on a farm	Burning waste in the open
D	184m E	Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, OL10 1PN	WEX241788	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	184m E	Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, OL10 1PN	WEX241788	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	184m E	SILVESTER HOUSE, BRADSHAW STREET, HEYWOOD, OL10 1PN	WEX272599	Using waste exemption	Not on a farm	Use of waste in construction
D	184m E	SILVESTER HOUSE, BRADSHAW STREET, HEYWOOD, OL10 1PN	WEX272599	Treating waste exemption	Not on a farm	Screening and blending of waste
2	317m S	Unit 4, Cowburn Street, Heywood, OL10 2AJ	WEX083912	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	397m SE	UNIT 25, SOUTHGATE INDUSTRIAL ESTATE, CROSS STREET, HEYWOOD, OL10 1PW	WEX259063	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
G	397m SE	UNIT 25, SOUTHGATE INDUSTRIAL ESTATE, CROSS STREET, HEYWOOD, OL10 1PW	WEX118010	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
H	438m SE	SEFTON STREET, HEYWOOD, OL10 2JF	WEX194512	Using waste exemption	Not on a farm	Use of waste in construction
3	450m SE	Southgate Industrial Estate Unit 25 Cross Street HEYWOOD Lancashire OL10 1PW	EPR/ZF0906M B/A001	Treating waste exemption	Non-Agricultural Waste Only	Cleaning, washing, spraying or coating relevant waste

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

63

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 51**

ID	Location	Company	Address	Activity	Category
A	41m S	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features
A	44m S	Lord's Motors	Russell Street, Heywood, Greater Manchester, OL10 1NY	Vehicle Breakdown and Recovery Services	Personal, Consumer and Other Services
1	60m NW	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features



ID	Location	Company	Address	Activity	Category
A	67m SW	Electricity Sub Station	Greater Manchester, OL10	Electrical Features	Infrastructure and Facilities
B	75m NE	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features
2	76m N	Premier Tank Services	40, Rochdale Road, Heywood, Greater Manchester, OL10 1LE	Seals, Tapes, Taps and Valves	Industrial Products
3	79m E	S R B Plant Hire Ltd	Srb Plant Hire Ltd the Transport Yard, Brierley Street, Heywood, Greater Manchester, OL10 1PH	Distribution and Haulage	Transport, Storage and Delivery
A	79m S	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features
A	82m S	Graphic Point & Sign	81, Manchester Street, Heywood, Greater Manchester, OL10 1PB	Signs	Industrial Products
A	83m SW	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features
A	85m SW	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features
A	89m W	Crawford's Domestic Appliances Ltd	36-38, Manchester Street, Heywood, Greater Manchester, OL10 1DL	Electrical Equipment Repair and Servicing	Repair and Servicing
A	93m S	Heywood Scaffolding Services	83, Manchester Street, Heywood, Greater Manchester, OL10 1PB	Construction and Tool Hire	Hire Services
B	101m E	Tanks	Greater Manchester, OL10	Tanks (Generic)	Industrial Features
B	101m E	Tank	Greater Manchester, OL10	Tanks (Generic)	Industrial Features
A	107m SE	Finer Detailing Ltd	2, Russell Street, Heywood, Greater Manchester, OL10 1NX	Vehicle Cleaning Services	Personal, Consumer and Other Services
A	113m W	Brownroyd Motors	Hardfield Street, Heywood, Greater Manchester, OL10 1DL	Secondhand Vehicles	Motoring
A	115m SW	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features
A	116m SE	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features
A	117m SE	Gilwood Fabricators Co Ltd	Bradshaw Street, Heywood, Greater Manchester, OL10 1PL	General Construction Supplies	Industrial Products



ID	Location	Company	Address	Activity	Category
C	120m N	Battersby Sports Ground Supplies	88-92, York Street, Heywood, Greater Manchester, OL10 4NS	Agricultural Machinery and Goods	Industrial Products
B	121m E	Atlantic Executive Travel	Atlantic Executive Travel Ltd, Bradshaw Street, Heywood, Greater Manchester, OL10 1PJ	Vehicle Hire and Rental	Hire Services
A	125m SE	Celsius Air Conditioning	1, Well Street, Heywood, Greater Manchester, OL10 1NT	Construction Completion Services	Construction Services
4	130m NW	Electricity Sub Station	Greater Manchester, OL10	Electrical Features	Infrastructure and Facilities
A	131m W	Abiko Computers	14, Manchester Street, Heywood, Greater Manchester, OL10 1DL	Electrical Equipment Repair and Servicing	Repair and Servicing
A	131m SE	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features
C	136m N	Birtwistles MOT Service & Repairs	135, York Street, Heywood, Greater Manchester, OL10 4NS	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	140m E	Tank	Greater Manchester, OL10	Tanks (Generic)	Industrial Features
5	141m NE	P C & Laptop Fix It	149, York Street, Heywood, Greater Manchester, OL10 4NX	Electrical Equipment Repair and Servicing	Repair and Servicing
C	145m N	Tesco Petrol Station	Tesco Express Roe Acre Service Station, York Street, Heywood, Greater Manchester, OL10 4NS	Petrol and Fuel Stations	Road and Rail
A	160m SE	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features
7	164m S	Electricity Sub Station	Greater Manchester, OL10	Electrical Features	Infrastructure and Facilities
D	165m E	Pylon	Greater Manchester, OL10	Electrical Features	Infrastructure and Facilities
A	170m SE	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features
D	174m E	Masts	Greater Manchester, OL10	Telecommunications Features	Infrastructure and Facilities
D	182m E	I S S Engineering Group Ltd	Unit 9 Roeacre Business Park, Bradshaw Street, Heywood, Greater Manchester, OL10 1PN	Ovens and Furnaces	Industrial Products



ID	Location	Company	Address	Activity	Category
D	182m E	Gantry	Greater Manchester, OL10	Travelling Cranes and Gantries	Industrial Features
D	184m E	Creamy Crete Ltd	Sylvester House, Bradshaw Street, Heywood, Greater Manchester, OL10 1PN	Concrete Products	Industrial Products
D	185m E	Rinus Roofing Supplies	Unit 1 Roeacre Business Park, Bradshaw Street, Heywood, Greater Manchester, OL10 1PN	General Construction Supplies	Industrial Products
D	185m E	Window Plas Ltd	Unit 5 Roeacre Business Park, Bradshaw Street, Heywood, Greater Manchester, OL10 1PN	General Construction Supplies	Industrial Products
D	185m E	Complete Technology Ltd	Unit 2b Roeacre Business Park, Bradshaw Street, Heywood, Greater Manchester, OL10 1PN	Recycling, Reclamation and Disposal	Recycling Services
D	185m E	Bradshaws Coaches	Unit 1 Roeacre Business Park, Bradshaw Street, Heywood, Greater Manchester, OL10 1PN	Vehicle Hire and Rental	Hire Services
D	185m E	Kwik-Fit (GB) Limited	Unit 1 Roeacre Business Park, Bradshaw Street, Heywood, Greater Manchester, OL10 1PN	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	185m E	Ian McNicholas Carpets Ltd	Unit 4 Roeacre Business Park, Bradshaw Street, Heywood, Greater Manchester, OL10 1PN	Construction Completion Services	Construction Services
D	193m E	Tank	Greater Manchester, OL10	Tanks (Generic)	Industrial Features
A	195m SE	Heywood Hand Car Wash & Valeting Centre	123, Manchester Street, Heywood, Greater Manchester, OL10 1NL	Vehicle Cleaning Services	Personal, Consumer and Other Services
A	195m SE	Heywood Auto Clinic	123, Manchester Street, Heywood, Greater Manchester, OL10 1NL	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	199m E	Tank	Greater Manchester, OL10	Tanks (Generic)	Industrial Features
8	201m NE	Fleet Grafix	14-18, Rochdale Road East, Heywood, Greater Manchester, OL10 4DX	Signs	Industrial Products
D	205m E	Tank	Greater Manchester, OL10	Tanks (Generic)	Industrial Features
9	210m NW	Telephone Exchange	Greater Manchester, OL10	Telecommunications Features	Infrastructure and Facilities
D	210m E	Tank	Greater Manchester, OL10	Tanks (Generic)	Industrial Features
D	210m E	Tanks	Greater Manchester, OL10	Tanks (Generic)	Industrial Features
D	210m E	Business Park	Greater Manchester, OL10	Business Parks and Industrial Estates	Industrial Features



ID	Location	Company	Address	Activity	Category
A	211m SE	Unique Moulds UK Ltd	Russell Street, Heywood, Greater Manchester, OL10 1NX	Tools Including Machine Shops	Industrial Products
10	216m N	Electricity Sub Station	Greater Manchester, OL10	Electrical Features	Infrastructure and Facilities
A	219m SE	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features
A	222m SE	Becketts Bakery Engineers Ltd	Fir Street, Heywood, Greater Manchester, OL10 1NP	Food and Beverage Industry Machinery	Industrial Products
D	222m E	P & F Pipe Tools	Unit 10 Roeacre Business Park, Bradshaw Street, Heywood, Greater Manchester, OL10 1PN	Tools Including Machine Shops	Industrial Products
11	228m NW	Formula One Autocentres	Equipe Tyre and Autocare, York Street, Heywood, Greater Manchester, OL10 4NS	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	231m SE	Juts Discount Tyre Bay Ltd	Juts Tyre Bay, Russell Street, Heywood, Greater Manchester, OL10 1NX	Vehicle Parts and Accessories	Motoring
12	239m NW	Works	Greater Manchester, OL10	Unspecified Works Or Factories	Industrial Features
A	241m SE	Electricity Sub Station	Greater Manchester, OL10	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

3

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 51**

ID	Location	Company	Address	LPG	Status
A	122m W	OBSOLETE	Hardfield Street, Heywood, Greater Manchester, OL10 1DG	Not Applicable	Obsolete
C	152m N	ESSO	York Street, Adelaide Street, Heywood, Greater Manchester, OL10 4HQ	No	Open



ID	Location	Company	Address	LPG	Status
A	207m SE	UNBRANDED	Manchester Street, Heywood, Greater Manchester, OL10 1NL	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

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

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

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

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

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

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

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

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

3

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

Features are displayed on the Current industrial land use map on **page 51**

ID	Location	Address	Details	
C	149m N	Tesco Petrol Station, Roe Acre Service Station, York Street, Heywood, Lancashire, OL10 4HQ	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
D	208m E	Sylvester Litton Bradshaw St, OL10 1PN	Process: leather/hide/tannery process Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
14	405m E	Motorama Bodyshop, Green Lane, Rochdale	Process: Respraying of Road Vehicles; Spray Painting 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

3

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 51**

ID	Location	Address	Details	
G	395m N	HEYWOOD SSO, JOHN STREET/WILLOW STREET, HEYWOOD, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016950219 Permit Version: 1 Receiving Water: MILLERS BROOK	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: - Effective Date: 31/07/1981 Revocation Date: -



ID	Location	Address	Details	
G	402m N	JOHN STREET CSO 35020, 31 JOHN STREET, HEYWOOD, GREATER MANCHESTER, OL10 4LL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993768 Permit Version: 2 Receiving Water: MILLERS BROOK VIA SWS	Status: VARIED UNDER EPR 2010 Issue date: 04/06/2018 Effective Date: 04/06/2018 Revocation Date: -
G	408m N	JOHN STREET CSO 35020, 31 JOHN STREET, HEYWOOD, GREATER MANCHESTER, OL10 4LL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0034 Permit Version: 1 Receiving Water: MILLERS BROOK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 01/01/1995 Effective Date: 01/01/1995 Revocation Date: 19/01/2006

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	15
---------------------	----

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 51**

ID	Location	Details	
6	145m NE	Incident Date: 29/01/2003 Incident Identification: 133895 Pollutant: Oils and Fuel Pollutant Description: Cutting Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	196m E	Incident Date: 13/09/2001 Incident Identification: 30668 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	196m E	Incident Date: 13/09/2001 Incident Identification: 30668 Pollutant: Atmospheric Pollutants and Effects:Inert Materials and Wastes Pollutant Description: Smoke:Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	196m E	Incident Date: 13/09/2001 Incident Identification: 30668 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	205m E	Incident Date: 06/11/2002 Incident Identification: 119164 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)



ID	Location	Details	
D	205m E	Incident Date: 06/11/2002 Incident Identification: 119164 Pollutant: Inert Materials and Wastes:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	205m E	Incident Date: 06/11/2002 Incident Identification: 119164 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	256m N	Incident Date: 18/01/2002 Incident Identification: 53309 Pollutant: Inert Materials and Wastes:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	256m N	Incident Date: 18/01/2002 Incident Identification: 53309 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	256m N	Incident Date: 18/01/2002 Incident Identification: 53309 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
13	265m SE	Incident Date: 08/01/2003 Incident Identification: 129945 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
F	328m E	Incident Date: 02/04/2001 Incident Identification: 1314 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Vegetable Cuttings and Deposits	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
F	328m E	Incident Date: 02/04/2001 Incident Identification: 1314 Pollutant: Inert Materials and Wastes:General Biodegradable Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes:Vegetable Cuttings and Deposits	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
F	328m E	Incident Date: 02/04/2001 Incident Identification: 1314 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
F	337m NE	Incident Date: 09/01/2002 Incident Identification: 51428 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) 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.

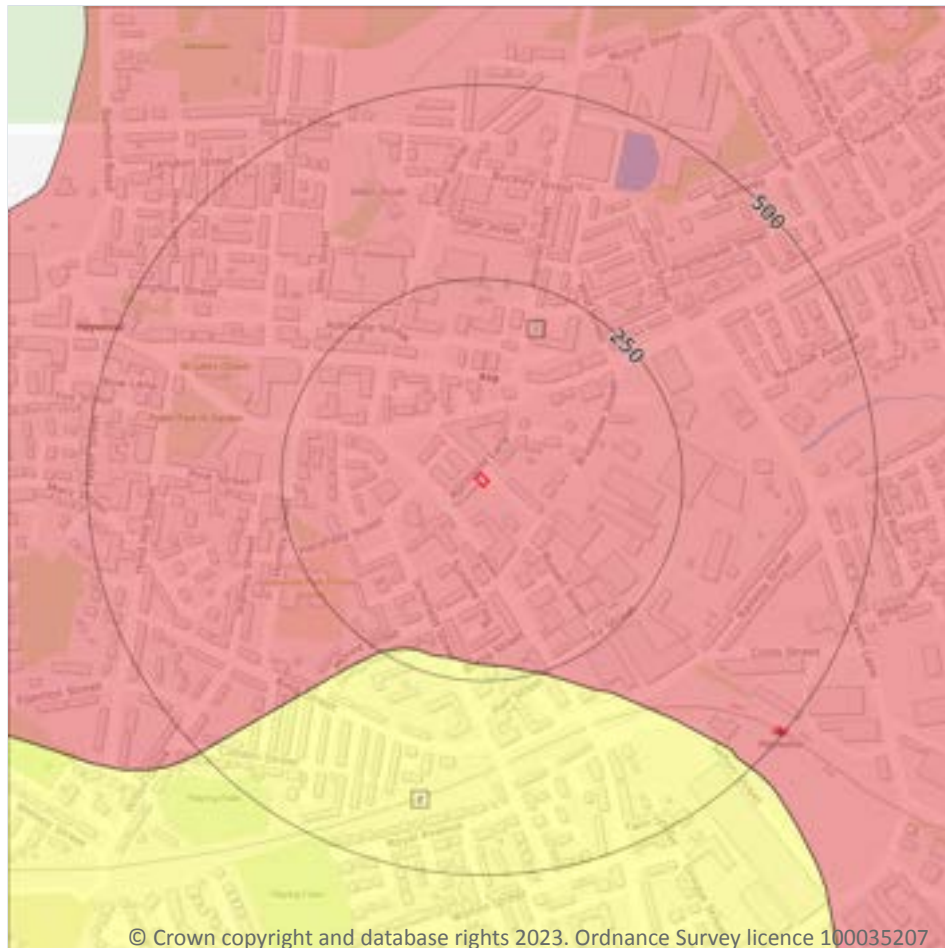
4.21 Pollution inventory radioactive waste

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 63**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	224m S	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

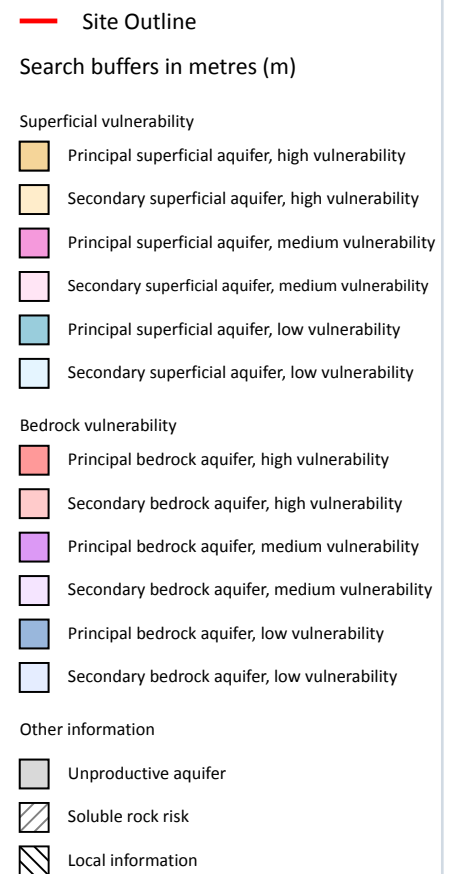
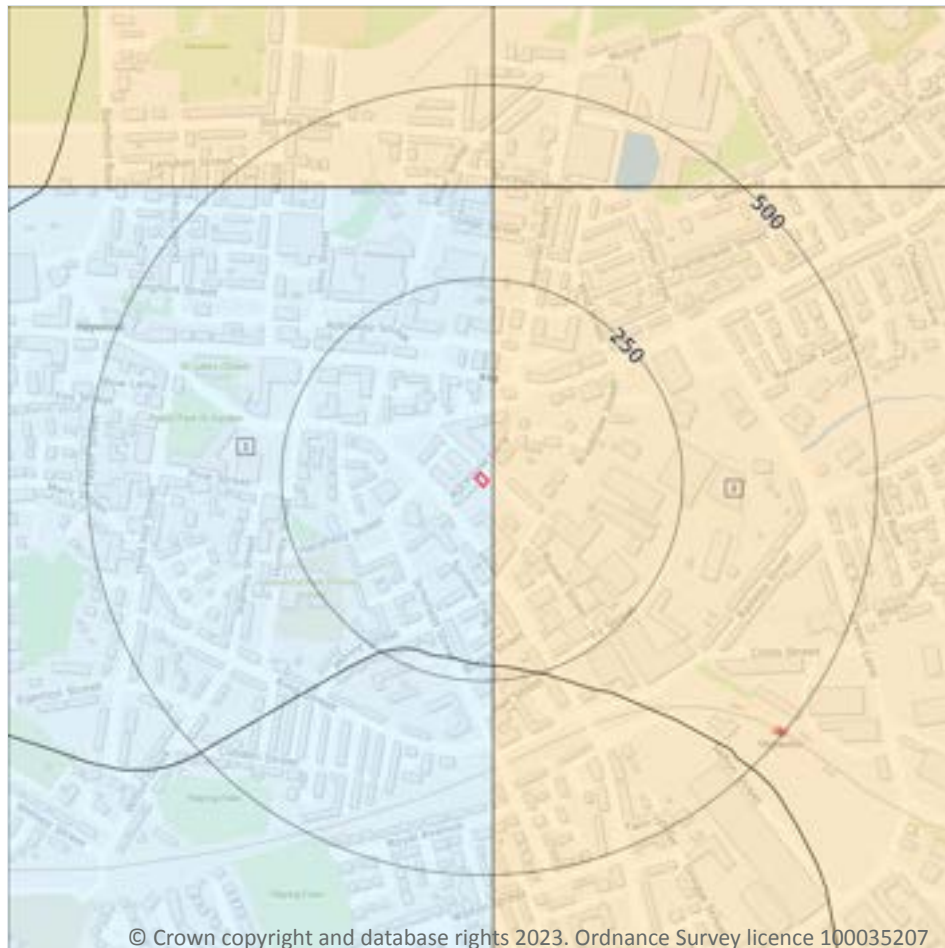
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 65**

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

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

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 66**



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	5m E	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: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

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

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

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

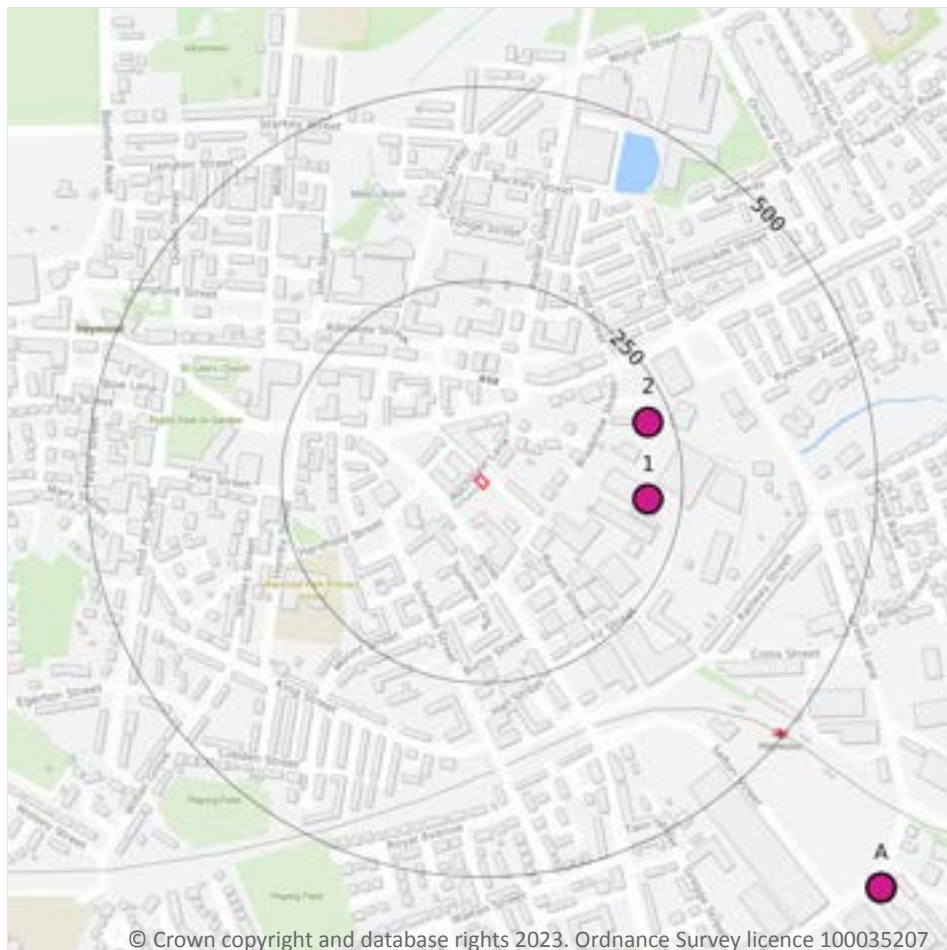
5.5 Groundwater vulnerability- local information

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

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

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

Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
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

13

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 68**

ID	Location	Details	
1	206m E	Status: Historical Licence No: 2569002082 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLES (2) AT PREMISES, ROEACRE TANNERY, HEYWOOD, L97 Data Type: Point Name: G. S. COLD STORAGE AND WAREHOUSING LTD. Easting: 386200 Northing: 410600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 22/12/2000 Version End Date: -
2	220m E	Status: Historical Licence No: 2569002082 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLES (2) AT PREMISES, ROEACRE TANNERY, HEYWOOD Data Type: Point Name: G. S. COLD STORAGE AND WAREHOUSING LTD. Easting: 386200 Northing: 410700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 22/12/2000 Version End Date: -
A	725m SE	Status: Historical Licence No: 2569002029 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, GREEN LANE, HEYWOOD" Data Type: Point Name: OAK BREWING COMPANY LTD Easting: 386500 Northing: 410100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/11/1990 Version End Date: -
A	725m SE	Status: Historical Licence No: 2569002029 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, GREEN LANE, HEYWOOD Data Type: Point Name: OAK BREWING COMPANY LTD Easting: 386500 Northing: 410100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/11/1990 Version End Date: -



ID	Location	Details	
A	725m SE	Status: Active Licence No: 2569002029 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, GREEN LANE, HEYWOOD Data Type: Point Name: OAK BREWING COMPANY LTD Easting: 386500 Northing: 410100	Annual Volume (m ³): 79,645.92 Max Daily Volume (m ³): 218.21 Original Application No: 0203 Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/11/1990 Version End Date: -
-	822m SE	Status: Historical Licence No: 2569002257 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT GREEN LANE, HEYWOOD Data Type: Point Name: TARMAC TOPMIX LTD Easting: 386700 Northing: 410200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/06/1993 Expiry Date: - Issue No: 100 Version Start Date: 28/06/1993 Version End Date: -
-	1097m NE	Status: Historical Licence No: 2569002037 Details: Boiler Feed Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, CRIMBLE MILLS, HEYWOOD" Data Type: Point Name: ROE ACRE DYEING & FELTING CO LTD Easting: 386500 Northing: 411600	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: 21/05/1993 Version End Date: -
-	1097m NE	Status: Historical Licence No: 2569002037 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, CRIMBLE MILLS, HEYWOOD" Data Type: Point Name: ROE ACRE DYEING & FELTING CO LTD Easting: 386500 Northing: 411600	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: 21/05/1993 Version End Date: -



ID	Location	Details	
-	1097m NE	Status: Historical Licence No: 2569002037 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, CRIMBLE MILLS,HEYWOOD Data Type: Point Name: K.SHAW & COMPANY LTD. Easting: 386500 Northing: 411600	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: 01/10/2002 Version End Date: -
-	1097m NE	Status: Historical Licence No: 2569002037 Details: Boiler Feed Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, CRIMBLE MILLS,HEYWOOD Data Type: Point Name: K.SHAW & COMPANY LTD. Easting: 386500 Northing: 411600	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: 01/10/2002 Version End Date: -
-	1778m N	Status: Historical Licence No: 2569002217 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT BUTTERWORTH FOLD FARM, BAMFORD, ROCHDALE" Data Type: Point Name: JAMES SWALLOW LTD Easting: 385800 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/09/1980 Expiry Date: - Issue No: 100 Version Start Date: 22/09/1980 Version End Date: -
-	1778m N	Status: Historical Licence No: 2569002217 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT BUTTERWORTH FOLD FARM, BAMFORD, ROCHDALE Data Type: Point Name: JAMES SWALLOW LTD Easting: 385800 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/09/1980 Expiry Date: - Issue No: 100 Version Start Date: 22/09/1980 Version End Date: -

ID	Location	Details	
-	1778m N	Status: Active Licence No: 2569002217 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT BUTTERWORTH FOLD FARM BAMFORD ROCHDALE Data Type: Point Name: JAMES SWALLOW LTD Easting: 385800 Northing: 412400	Annual Volume (m ³): 33,185.80 Max Daily Volume (m ³): 90.92 Original Application No: 2563 Original Start Date: 22/09/1980 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2007 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

12

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 68**

ID	Location	Details	
-	1076m NE	Status: Historical Licence No: 2569002270 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: RIVER ROCH AT HEYWOOD Data Type: Line Name: ROE ACRE DYEING & FELTING CO LTD Easting: 386620 Northing: 411500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 17/06/1999 Version End Date: -
-	1076m NE	Status: Historical Licence No: 2569002270 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: RIVER ROCH AT HEYWOOD Data Type: Line Name: ROE ACRE DYEING & FELTING CO LTD Easting: 386620 Northing: 411500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 17/06/1999 Version End Date: -



ID	Location	Details	
-	1716m N	Status: Historical Licence No: 2569002255 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: NADEN BROOK AT SIMPSON CLOUGH, HEYWOOD 112 Data Type: Point Name: J R CROMPTON LTD Easting: 385360 Northing: 412230	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/1993 Expiry Date: - Issue No: 101 Version Start Date: 10/10/2000 Version End Date: -
-	1716m N	Status: Historical Licence No: 2569002255 Details: General use relating to Secondary Category (Medium Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "NADEN BROOK AT SIMPSON CLOUGH, HEYWOOD \$112" Data Type: Point Name: J R CROMPTON LTD Easting: 385360 Northing: 412230	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/1993 Expiry Date: - Issue No: 101 Version Start Date: 10/10/2000 Version End Date: -
-	1716m N	Status: Historical Licence No: 2569002255 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: NADEN BROOK AT SIMPSON CLOUGH, HEYWOOD \$112 Data Type: Point Name: J R CROMPTON LTD Easting: 385360 Northing: 412230	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/1993 Expiry Date: - Issue No: 101 Version Start Date: 10/10/2000 Version End Date: -
-	1716m N	Status: Active Licence No: 2569002255 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: NADEN BROOK AT SIMPSON CLOUGH, HEYWOOD Data Type: Point Name: UNION PAPERTECH LIMITED Easting: 385360 Northing: 412230	Annual Volume (m ³): 2,136,620 Max Daily Volume (m ³): 6,219 Original Application No: 949 Original Start Date: 12/02/1993 Expiry Date: - Issue No: 102 Version Start Date: 13/08/2007 Version End Date: -



ID	Location	Details	
-	1896m N	Status: Historical Licence No: 2569002166 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "CHEESDEN BRK AT SIMPSON CLOUGH, HEYWOOD" Data Type: Point Name: J R CROMPTON LTD Easting: 385300 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/2001 Version End Date: -
-	1896m N	Status: Historical Licence No: 2569002166 Details: Boiler Feed Direct Source: "Surface, Non-Tidal - North West Region" Point: "CHEESDEN BRK AT SIMPSON CLOUGH, HEYWOOD" Data Type: Point Name: J R CROMPTON LTD Easting: 385300 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/2001 Version End Date: -
-	1896m N	Status: Historical Licence No: 2569002166 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: CHEESDEN BRK AT SIMPSON CLOUGH, HEYWOOD Data Type: Point Name: J R CROMPTON LTD Easting: 385300 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/2001 Version End Date: -
-	1896m N	Status: Historical Licence No: 2569002166 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: CHEESDEN BRK AT SIMPSON CLOUGH, HEYWOOD Data Type: Point Name: J R CROMPTON LTD Easting: 385300 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/2001 Version End Date: -



ID	Location	Details	
-	1896m N	Status: Active Licence No: 2569002166 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: CHEESDEN BROOK AT SIMPSON CLOUGH HEYWOOD Data Type: Point Name: UNION PAPERTECH LIMITED Easting: 385300 Northing: 412400	Annual Volume (m ³): 2,136,620 Max Daily Volume (m ³): 12,437.86 Original Application No: 949 Original Start Date: 24/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 13/08/2007 Version End Date: -
-	1896m N	Status: Active Licence No: 2569002166 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: CHEESDEN BROOK AT SIMPSON CLOUGH HEYWOOD Data Type: Point Name: UNION PAPERTECH LIMITED Easting: 385300 Northing: 412400	Annual Volume (m ³): 2,136,620 Max Daily Volume (m ³): 12,437.86 Original Application No: 949 Original Start Date: 24/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 13/08/2007 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0
-----------------------------	----------

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

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

5.9 Source Protection Zones

Records within 500m	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

3

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 77**

ID	Location	Type of water feature	Ground level	Permanence	Name
1	142m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Millers Brook

ID	Location	Type of water feature	Ground level	Permanence	Name
2	142m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Millers Brook
3	142m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Millers Brook

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

0

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

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 77**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Roch (Spodden to Irwell)	GB112069064600	Roch Irk Medlock	Irwell

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

6.4 WFD Surface water bodies

Records identified

1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is



detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 77**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	511m N	River	Roch (Spodden to Irwell)	GB112069064600	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 77**

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

Negligible

Highest risk within 50m

1 in 1000 year, 0.1m - 0.3m

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 83**

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

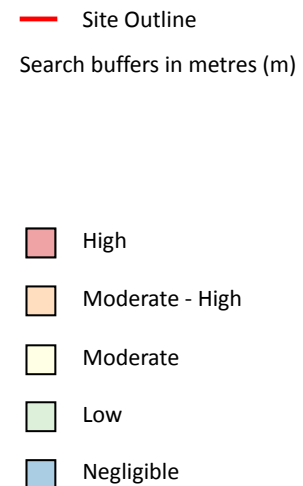
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

Moderate

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 85**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Designated Ancient Woodland
- Green Belt

© Crown copyright and database rights 2023. Ordnance Survey licence 100035207

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

7

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

Features are displayed on the Environmental designations map on **page 86**

ID	Location	Name	Woodland Type
-	1367m NE	Unknown	Ancient & Semi-Natural Woodland
-	1561m NW	Unknown	Ancient & Semi-Natural Woodland
4	1602m NW	Simpson Clough Wood	Ancient & Semi-Natural Woodland
-	1675m NW	Jowkin Wood	Ancient & Semi-Natural Woodland
-	1745m N	Jowkin Wood	Ancient & Semi-Natural Woodland
-	1807m NW	Unknown	Ancient & Semi-Natural Woodland
-	1827m NE	Springfield Wood	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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



10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

1

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

Features are displayed on the Environmental designations map on **page 86**

ID	Location	Name	Local Authority name
1	571m N	Merseyside and Greater Manchester	Rochdale

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

1

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

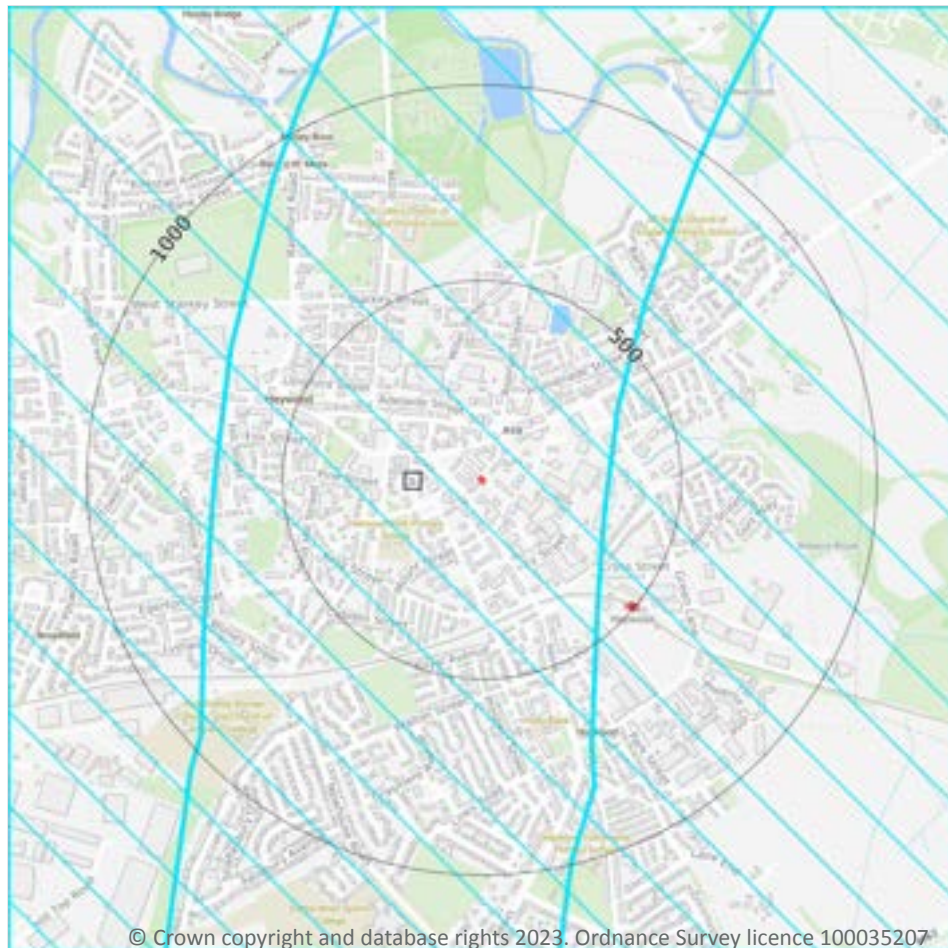
Location	Name	Type	NVZ ID	Status
1419m SE	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	638	Existing



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



SSSI Impact Zones and Units



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

10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 92**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t). Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0
-----------------------------	----------

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

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

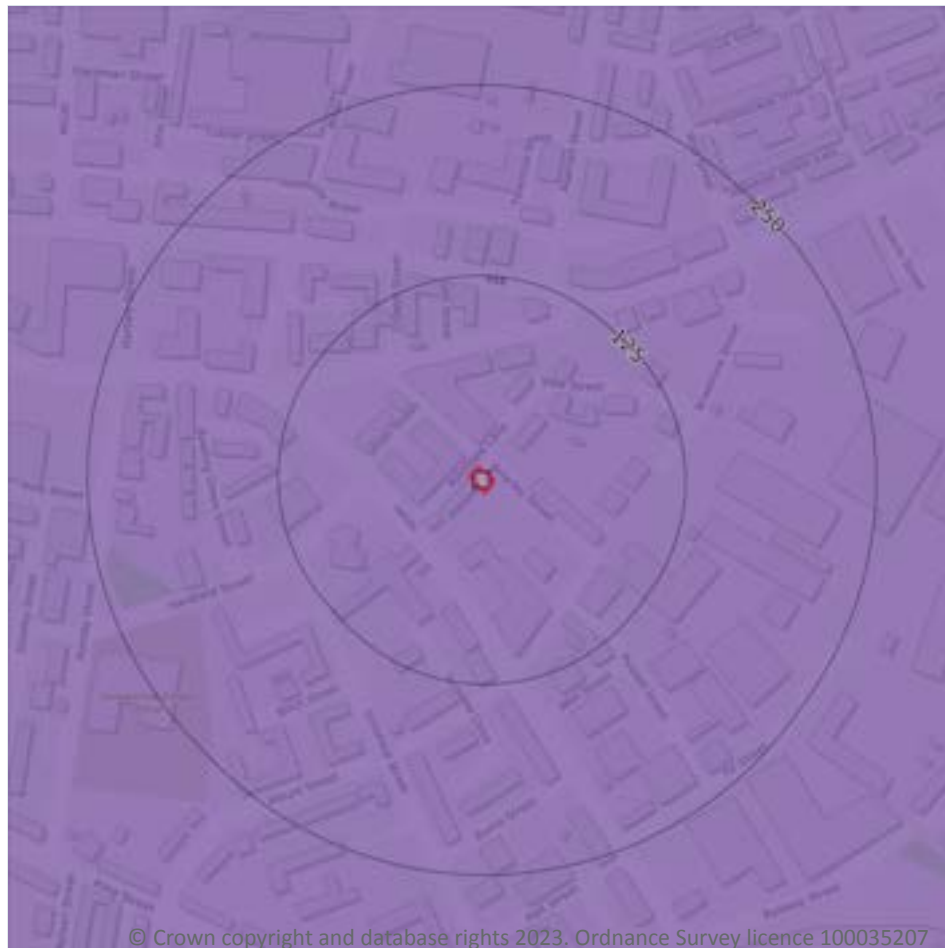
Records within 250m

0

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

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

12 Agricultural designations



© Crown copyright and database rights 2023. Ordnance Survey licence 100035207

- 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 96**

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

13.1 Priority Habitat Inventory

Records within 250m

0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



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

14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 99**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SD81SE

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

4

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 100**

ID	Location	LEX Code	Description	Rock description
1	105m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	325m S	WGR-VOID	Worked Ground (Undivided)	Void
3	478m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	487m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit



This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m

2

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 102**

ID	Location	LEX Code	Description	Rock description
1	On site	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
2	165m S	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

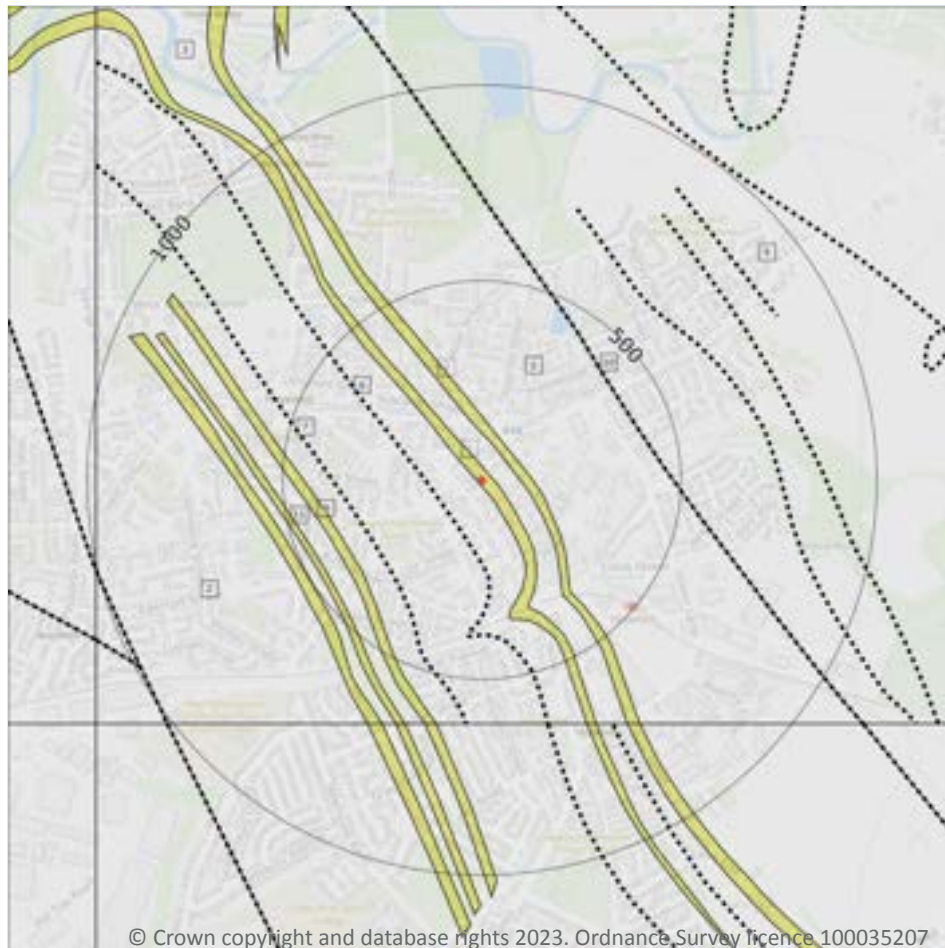
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

14.5 Bedrock geology (10k)

Records within 500m

8

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 104**

ID	Location	LEX Code	Description	Rock age
1	On site	RSC-SDST	Riddle Scout Rock - Sandstone	Langsettian Sub-age
2	6m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
3	17m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age



ID	Location	LEX Code	Description	Rock age
4	71m NE	OL-SDST	Old Lawrence Rock - Sandstone	Langsettian Sub-age
5	95m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
8	377m SW	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
9	399m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
11	456m SW	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

3

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 104**

ID	Location	Category	Description
6	113m SW	ROCK	Coal seam, inferred
7	313m SW	ROCK	Coal seam, inferred
10	399m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side

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.

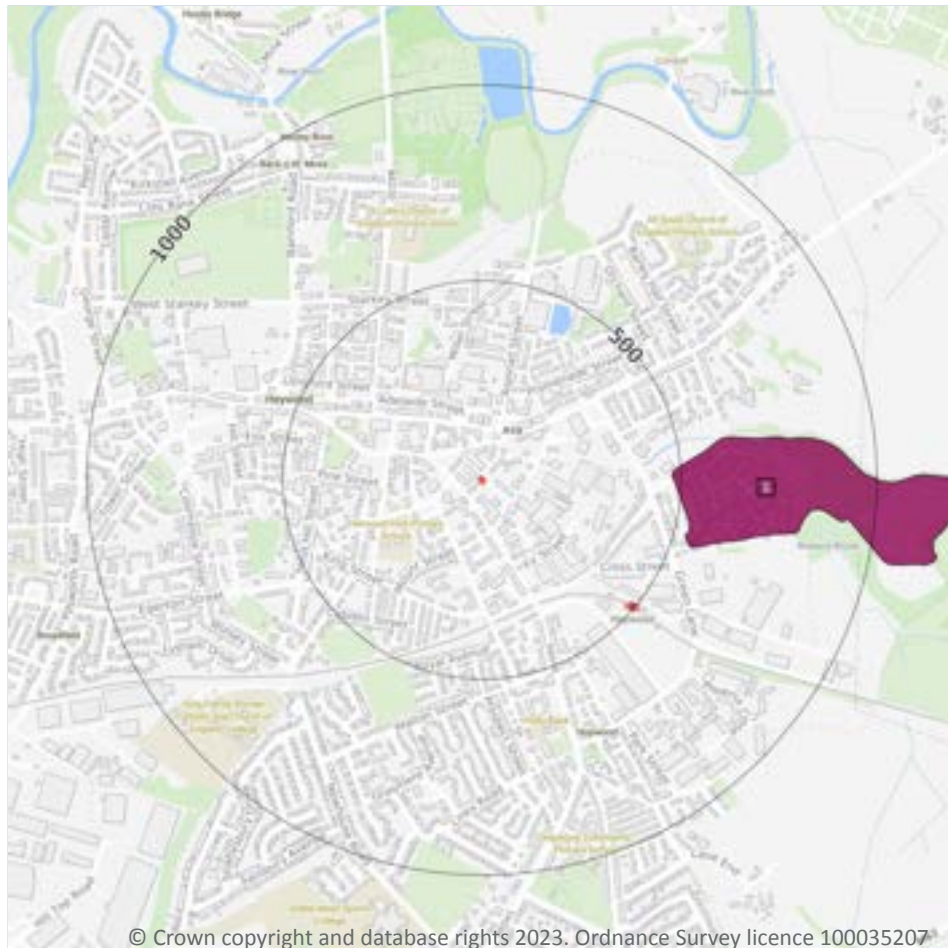
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 106**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	EW085_manchester_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 107**

ID	Location	LEX Code	Description	Rock description
1	478m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



— Site Outline
Search buffers in metres (m)

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

15.4 Superficial geology (50k)

Records within 500m

2

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 109**

ID	Location	LEX Code	Description	Rock description
1	On site	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
2	165m S	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m**1**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	Very High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m**0**

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

This data is sourced from the British Geological Survey.

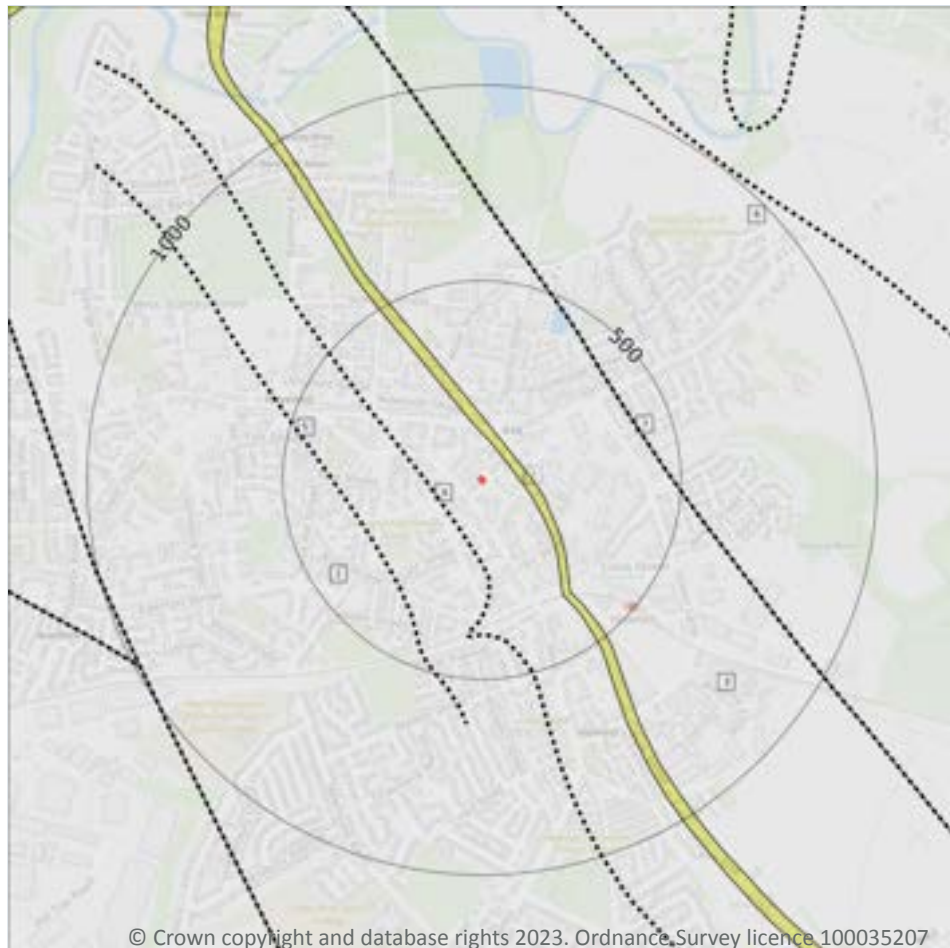
15.7 Landslip permeability (50k)

Records within 50m**0**

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

4

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 111**

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
2	71m NE	OL-SDST	OLD LAWRENCE ROCK - SANDSTONE	WESTPHALIAN
3	95m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
6	399m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	1
---------------------------	----------

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	3
----------------------------	----------

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.

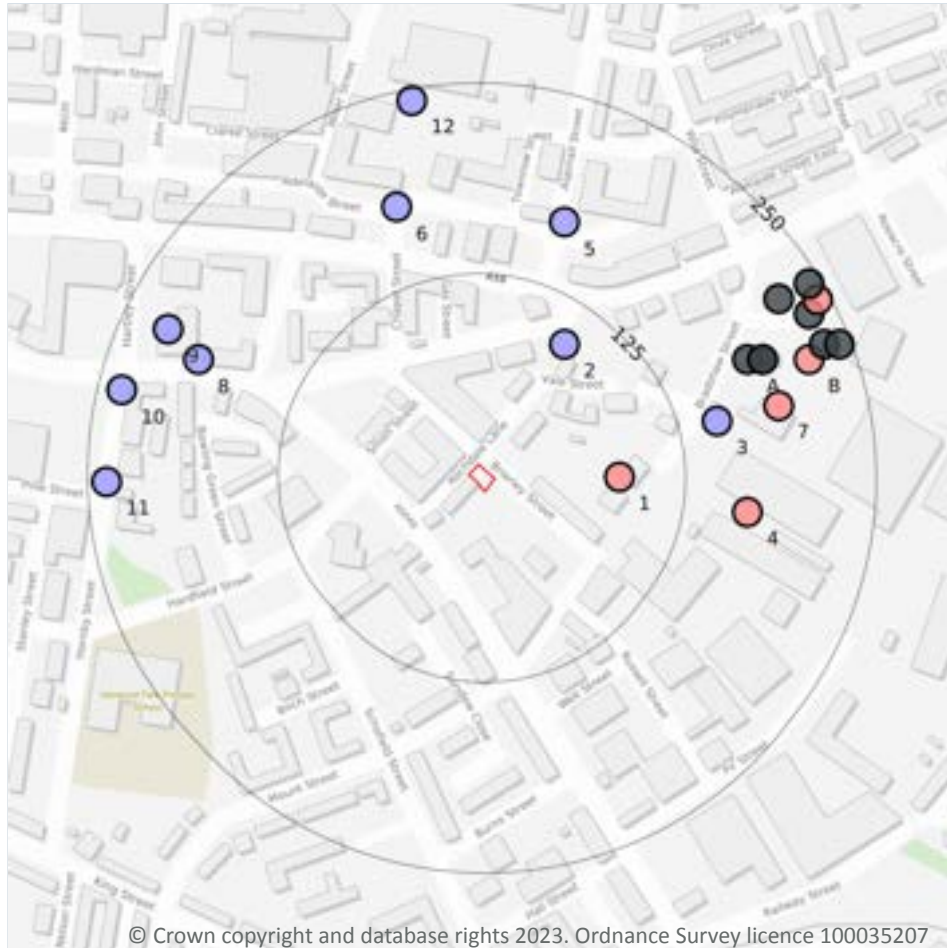
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 111**

ID	Location	Category	Description
4	113m SW	ROCK	Coal seam, inferred
5	313m SW	ROCK	Coal seam, inferred
7	399m NE	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



© Crown copyright and database rights 2023. Ordnance Survey licence 100035207

16.1 BGS Boreholes

Records within 250m

22

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 113**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	82m E	386076 410623	ROSEACRE TANNERY	91.44	N	29748
2	97m NE	386040 410710	HEYWOOD EAST SEWER 9	6.0	N	30018
3	151m E	386140 410660	HEYWOOD EAST SEWER 10	4.8	N	30019

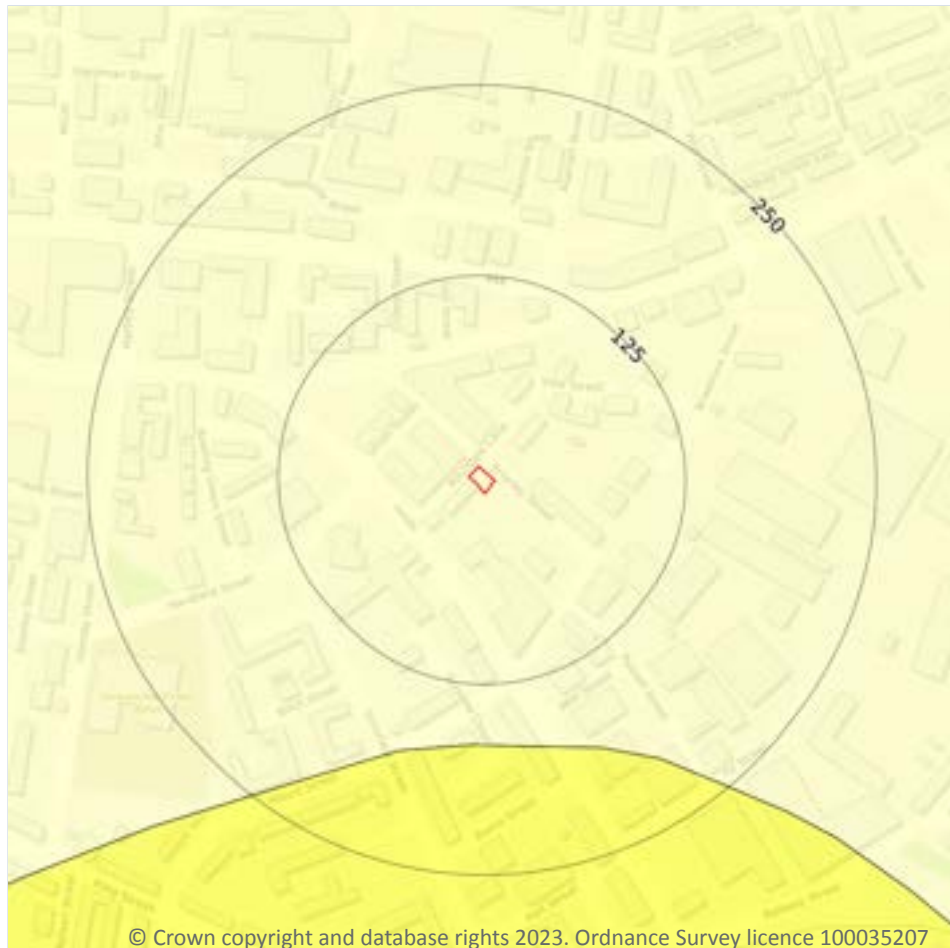


ID	Location	Grid reference	Name	Length	Confidential	Web link
4	167m E	386160 410600	SILVESTER LITTON	63.4	N	29730
5	168m N	386040 410790	HEYWOOD EAST SEWER 8	6.5	N	30017
6	177m N	385930 410800	HEYWOOD EAST SEWER 7	7.5	N	30016
A	183m NE	386160 410700	ROEACRE MILL HAYWOOD TP2	-	Y	N/A
7	192m E	386180 410670	SILVESTER LITTON	93.27	N	29729
A	192m NE	386170 410700	ROEACRE MILL HAYWOOD TP2B	-	Y	N/A
A	192m NE	386170 410700	ROEACRE MILL HAYWOOD TP2A	-	Y	N/A
8	193m NW	385800 410700	CHURCH STREET, TH.2	2.44	N	29774
9	219m NW	385780 410720	CHURCH STREET, TH.1	4.88	N	29773
B	220m E	386200 410700	LITTON LTD, HEYWOOD	86.9	N	17510643
B	220m NE	386180 410740	ROEACRE MILL HAYWOOD BH2	-	Y	N/A
B	232m NE	386200 410730	ROEACRE MILL HAYWOOD TP6	-	Y	N/A
B	233m E	386210 410710	ROEACRE MILL HAYWOOD TP4	-	Y	N/A
10	234m W	385750 410680	HOPWOOD SEWER HEYWOOD 3	6.5	N	30034
11	237m W	385740 410620	HOPWOOD SEWER HEYWOOD 4	6.0	N	30035
B	242m NE	386206 410739	ROE ACRE DYEING CO.	86.26	N	29731
B	242m E	386220 410710	ROEACRE MILL HAYWOOD BH3	-	Y	N/A
B	242m NE	386200 410750	ROEACRE MILL HAYWOOD BH1	-	Y	N/A
12	243m N	385940 410870	HEYWOOD EAST SEWER 6	7.0	N	30015

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

1

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).

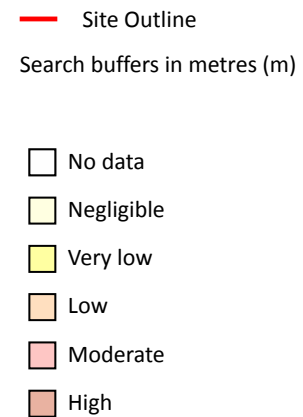
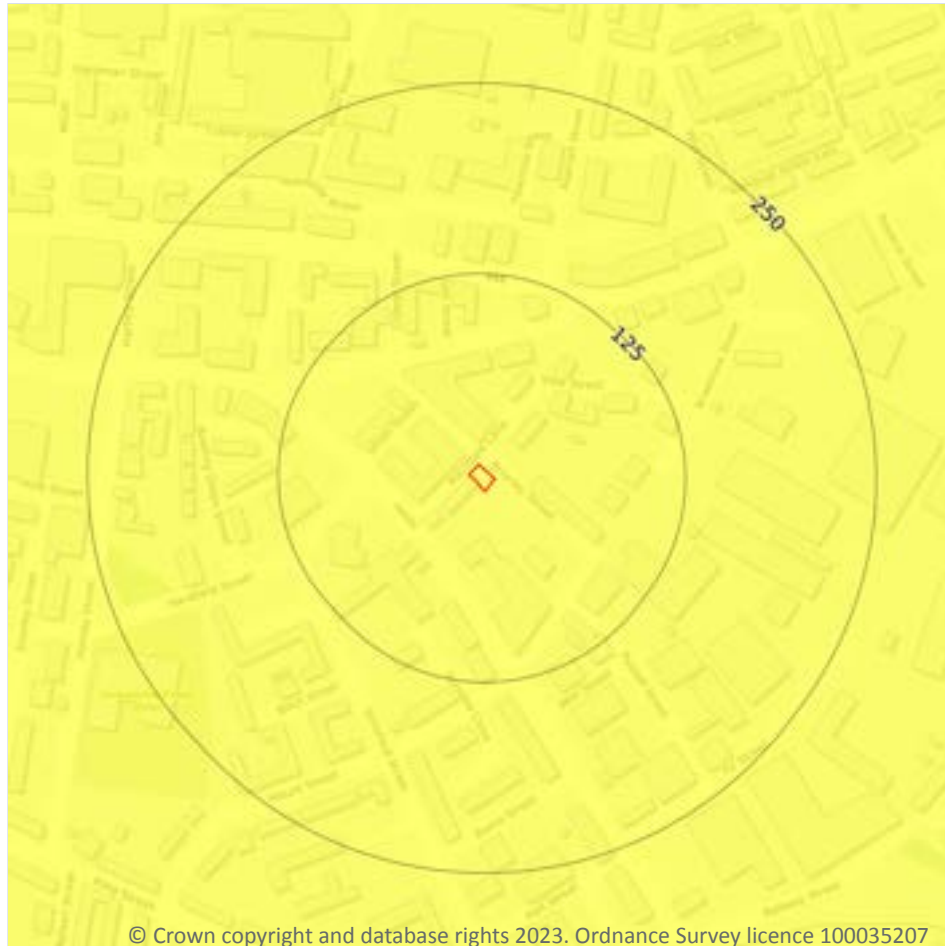
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 115**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

1

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.

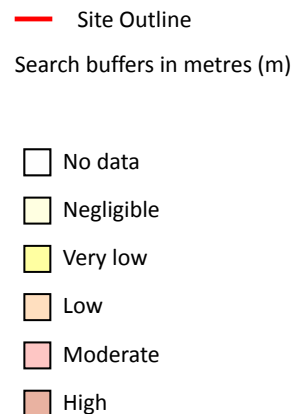
Features are displayed on the Natural ground subsidence - Running sands map on **page 116**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

1

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

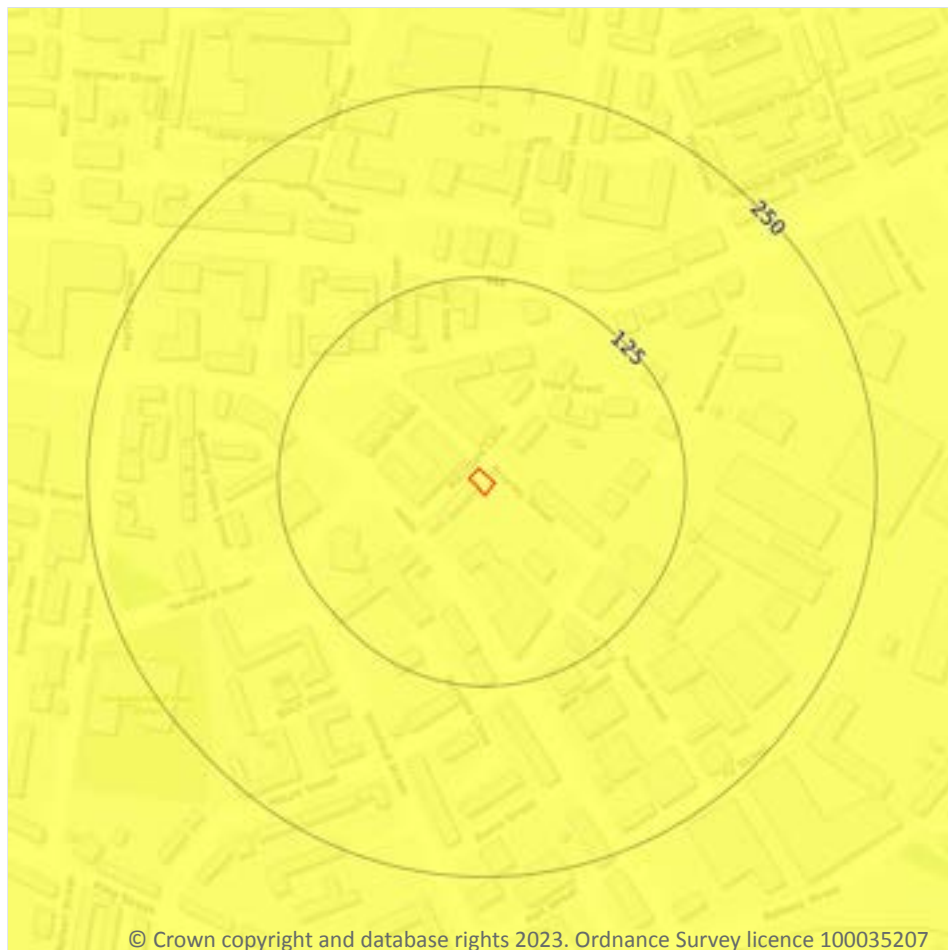
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 117**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



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

17.4 Collapsible deposits

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 118**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



© Crown copyright and database rights 2023. Ordnance Survey licence 100035207

— Site Outline
Search buffers in metres (m)

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

17.5 Landslides

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Landslides map on **page 119**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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

17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 120**

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



This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



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

18.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m

3

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 122**

ID	Location	Details	Description
E	289m NE	Name: Captain Fold Sand Pit Address: HEYWOOD, Lancashire Commodity: Sand 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
L	342m NE	Name: Captain Fold Sand Pit Address: HEYWOOD, Lancashire Commodity: Sand 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
G	357m N	Name: Heywood Brick Field Address: HEYWOOD, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

29

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 122**

ID	Location	Land Use	Year of mapping	Mapping scale
1	101m SW	Ponds	1890	1:10560
A	166m SW	Ponds	1851	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
A	167m SW	Reservoirs	1890	1:10560
2	181m W	Ponds	1890	1:10560
B	188m S	Pond	1851	1:10560
B	201m S	Pond	1928	1:10560
B	201m S	Pond	1909	1:10560
B	203m S	Pond	1890	1:10560
C	203m NE	Pond	1890	1:10560
C	207m NE	Water Body	1928	1:10560
C	207m NE	Water Body	1909	1:10560
C	209m NE	Pond	1851	1:10560
C	211m NE	Water Body	1938	1:10560
C	214m NE	Pond	1975	1:10000
C	214m NE	Water Body	1949	1:10560
C	214m NE	Pond	1968	1:10560
C	214m NE	Reservoir	1992	1:10000
C	214m NE	Pond	1987	1:10000
D	220m S	Ponds	1851	1:10560
D	222m S	Ponds	1928	1:10560
D	222m S	Ponds	1909	1:10560
D	223m S	Ponds	1890	1:10560
E	225m NE	Sand Pits	1851	1:10560
B	229m S	Reservoirs	1938	1:10560
B	233m S	Reservoirs	1928	1:10560
B	234m S	Ponds	1890	1:10560
B	239m S	Ponds	1909	1:10560
B	239m S	Ponds	1851	1:10560
F	241m N	Refuse Heap	1909	1:10560

This is data is sourced from Ordnance Survey/Groundsure.



18.4 Underground workings

Records within 1000m

6

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 122**

ID	Location	Land Use	Year of mapping	Mapping scale
-	721m E	Unspecified Old Shaft	1949	1:10560
-	834m E	Unspecified Old Shaft	1890	1:10560
-	836m E	Old Coal Shaft	1909	1:10560
-	837m E	Unspecified Old Shaft	1928	1:10560
-	837m E	Unspecified Old Shaft	1949	1:10560
-	837m E	Unspecified Old Shaft	1938	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

0

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

This data is sourced from the British Geological Survey.



18.7 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site

1

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

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

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site

0

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

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



18.11 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

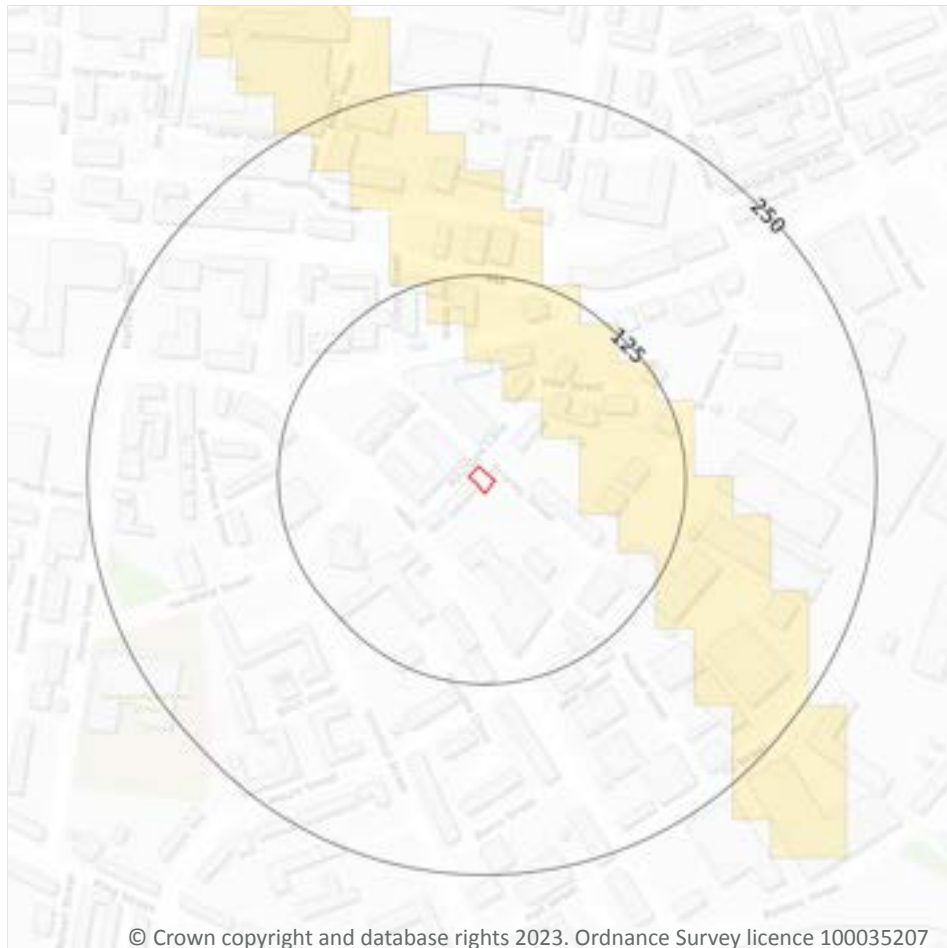
18.13 Clay mining

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

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

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

19 Radon



© Crown copyright and database rights 2023. Ordnance Survey licence 100035207

— Site Outline
Search buffers in metres (m)

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

19.1 Radon

Records on site

1

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 128**

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.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

2

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
6m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



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

21.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

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



This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

2

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 131**

Location	Land Use	Year of mapping	Mapping scale
140m SW	Railway Sidings	1930	2500
140m SW	Railway Sidings	1910	2500

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.



21.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.

Data providers

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

Terms and conditions

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



Appendix B2 – Historical Ordnance Survey Maps

Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: 1056 Scale Town Plan

Map date: 1851

Scale: 1:1,056

Printed at: 1:1,056



Surveyed 1848
 Revised N/A
 Edition 1851
 Copyright N/A
 Levelled N/A

Surveyed 1848
 Revised N/A
 Edition 1851
 Copyright N/A
 Levelled N/A

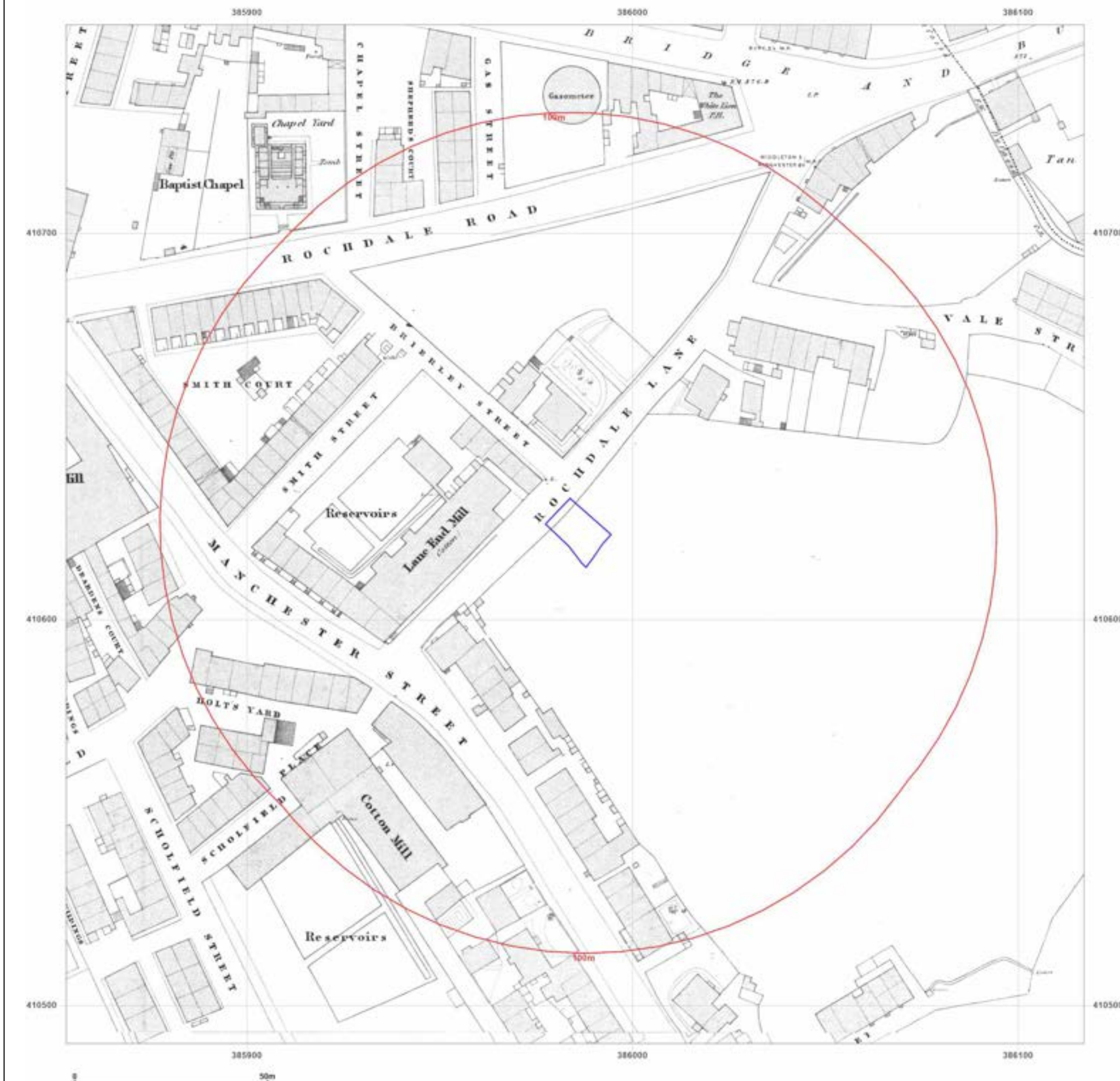


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: County Series

Map date: 1890

Scale: 1:2,500

Printed at: 1:2,500



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



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: County Series

Map date: 1910

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1910
 Revised 1910
 Edition N/A
 Copyright N/A
 Levelled N/A

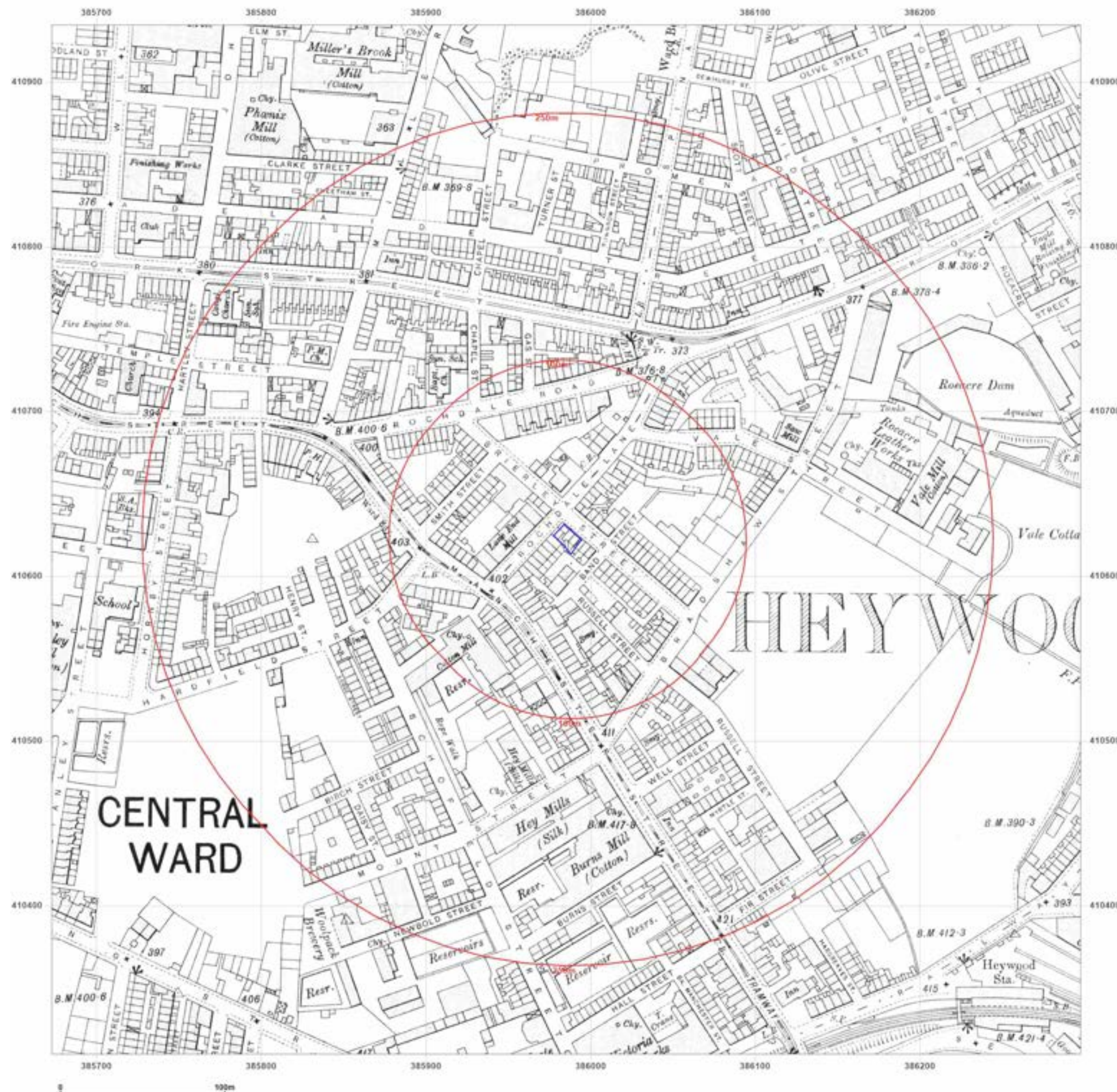


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: County Series

Map date: 1929

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1929
Revised 1929
Edition N/A
Copyright N/A
Levelled N/A

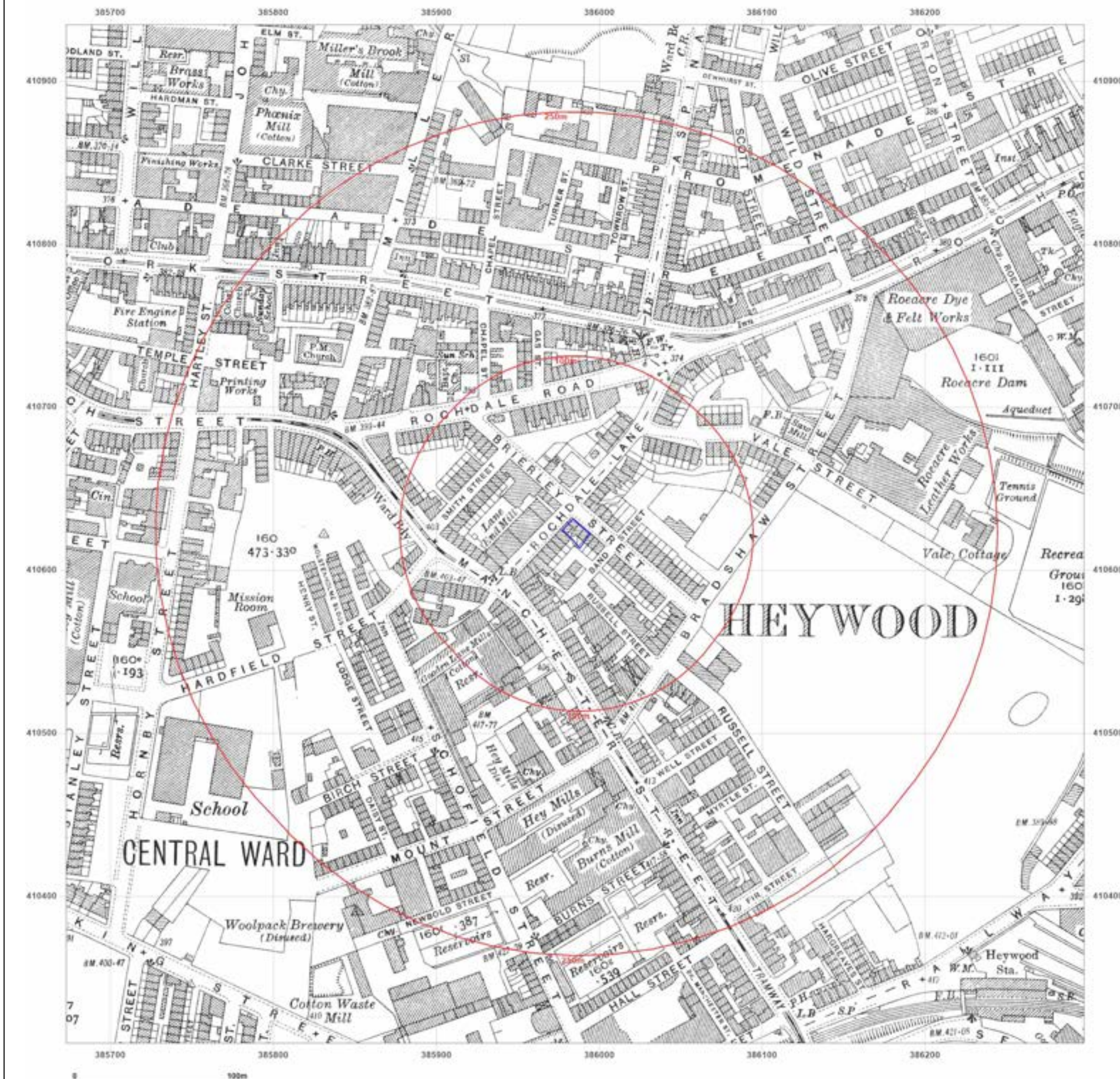


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: County Series

Map date: 1937

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1937
Revised 1937
Edition N/A
Copyright N/A
Levelled N/A

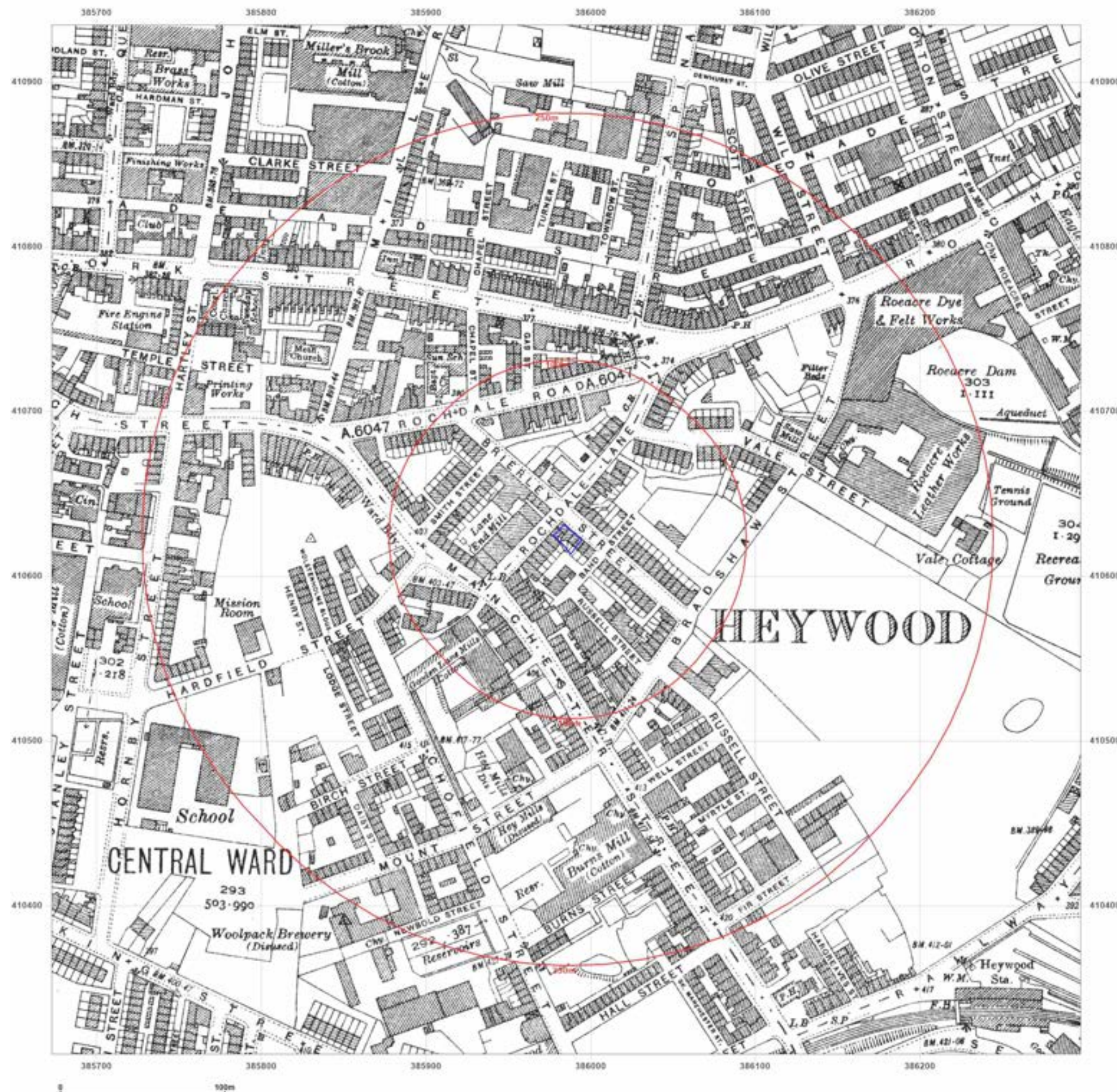


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1956

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1956 Revised 1956 Edition N/A Copyright N/A Levelled 1928	Surveyed 1956 Revised 1956 Edition N/A Copyright N/A Levelled 1928
Surveyed 1956 Revised 1956 Edition N/A Copyright N/A Levelled 1928	Surveyed 1956 Revised 1956 Edition N/A Copyright N/A Levelled 1928

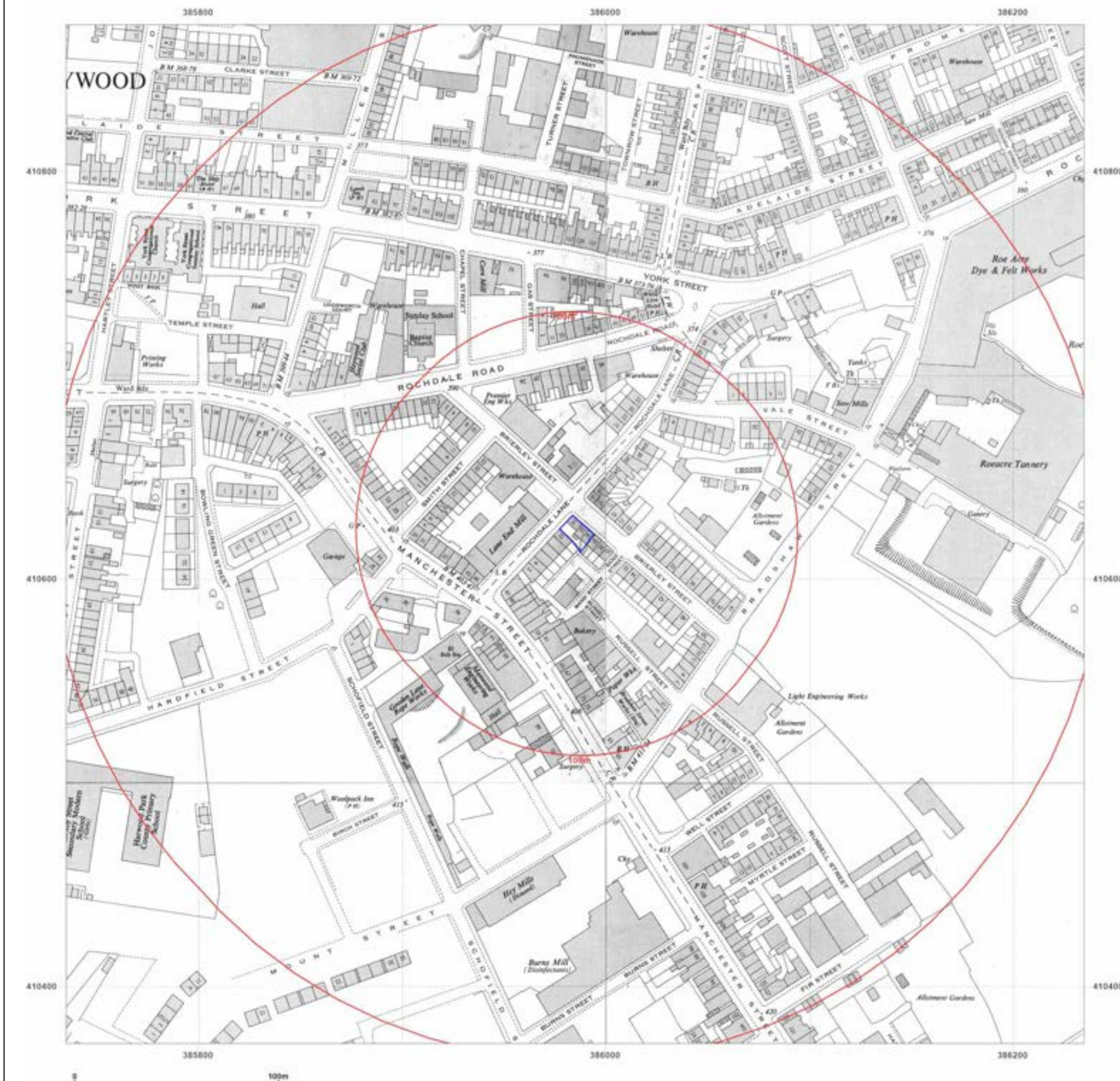


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1957

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1956
 Revised N/A
 Edition 1957
 Copyright N/A
 Levelled 1928

Surveyed 1956
 Revised N/A
 Edition 1957
 Copyright N/A
 Levelled 1928

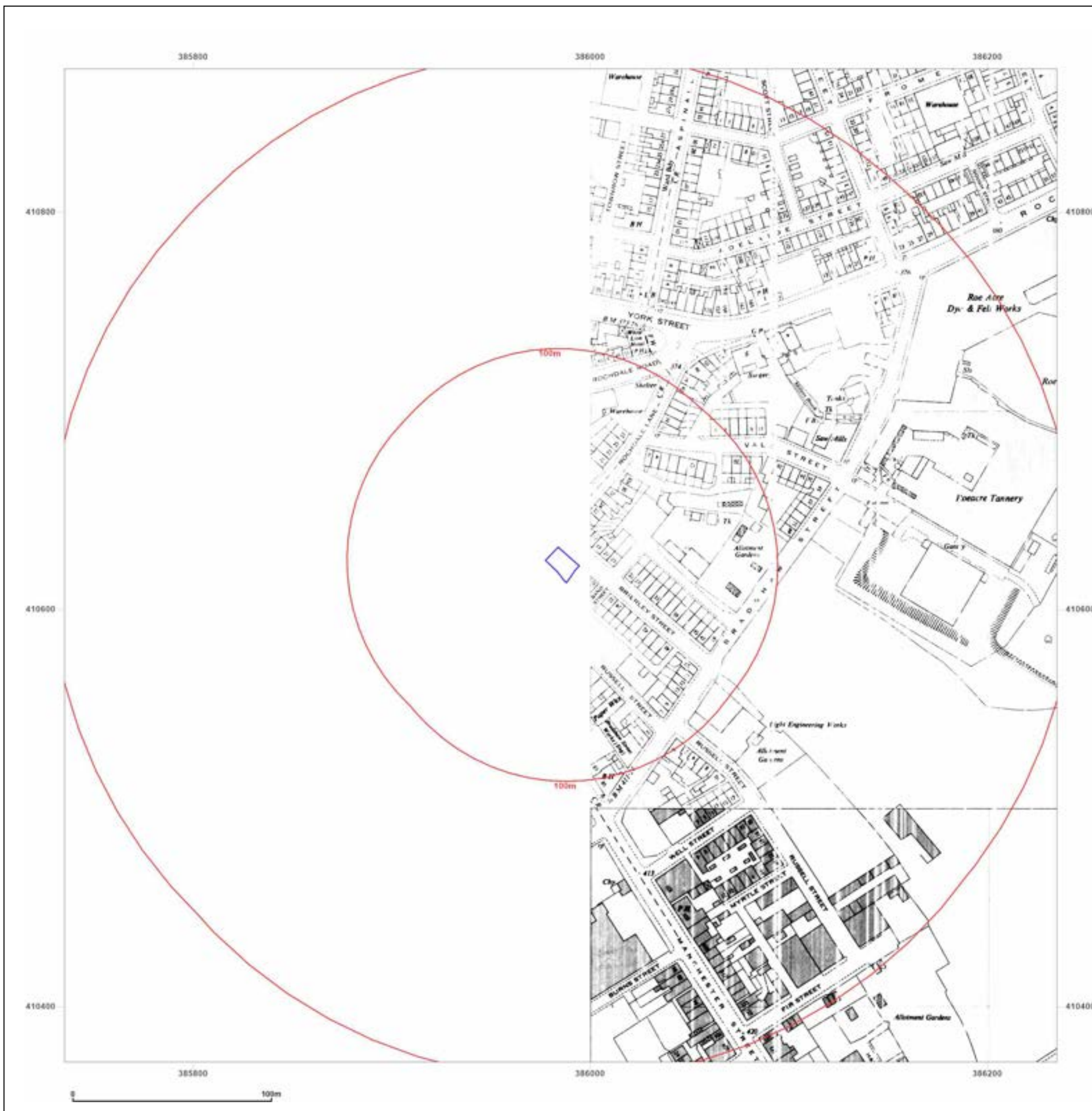


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1957-1958

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1956
 Revised 1956
 Edition 1957
 Copyright N/A
 Levelled 1928

Surveyed 1956
 Revised 1956
 Edition 1958
 Copyright N/A
 Levelled 1928

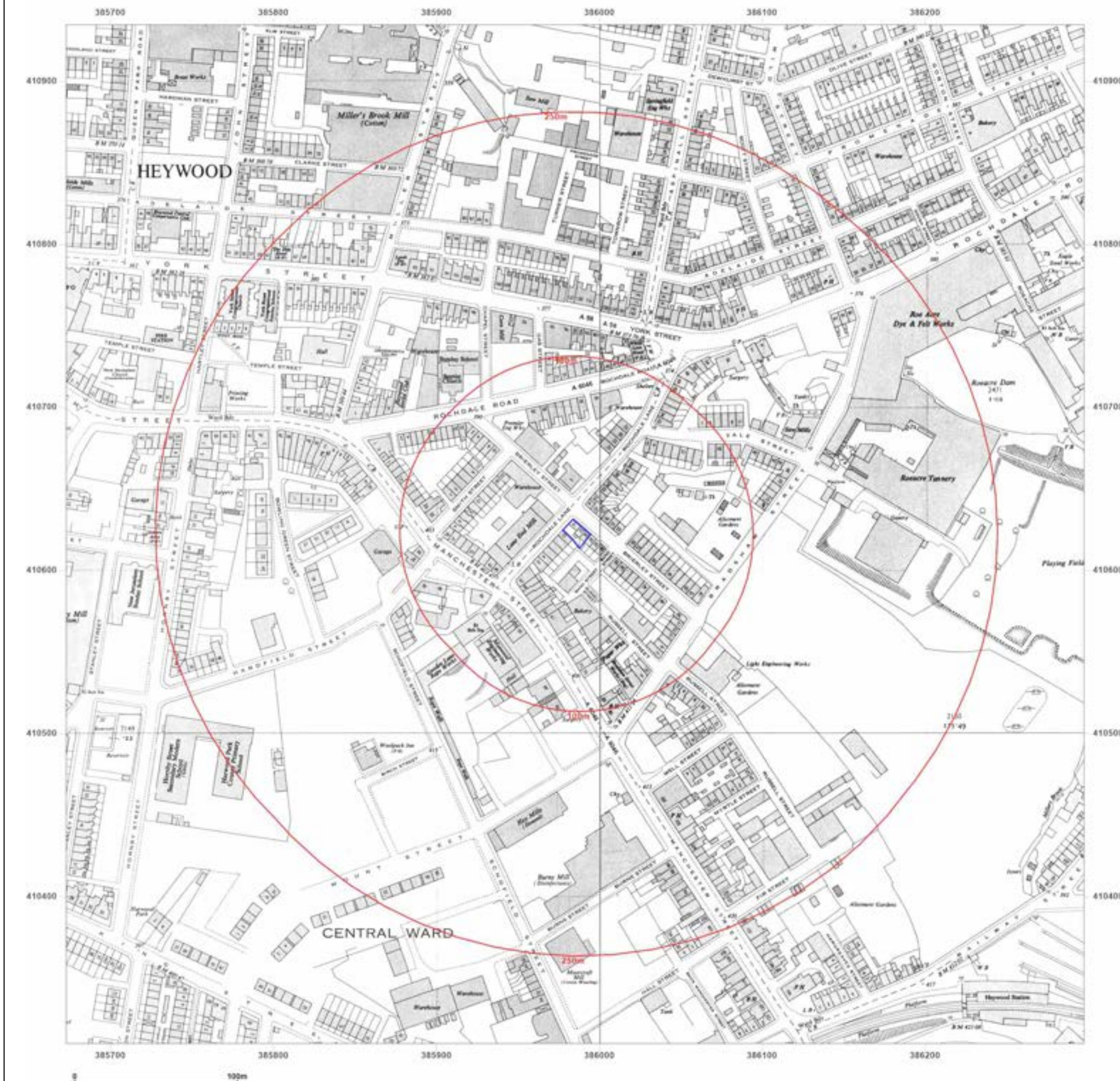


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1965-1968

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1956 Revised 1967 Edition N/A Copyright 1968 Levelled 1962	Surveyed 1956 Revised 1967 Edition N/A Copyright 1967 Levelled 1956
Surveyed 1956 Revised 1964 Edition N/A Copyright 1965 Levelled 1962	Surveyed 1956 Revised 1968 Edition N/A Copyright 1968 Levelled 1956

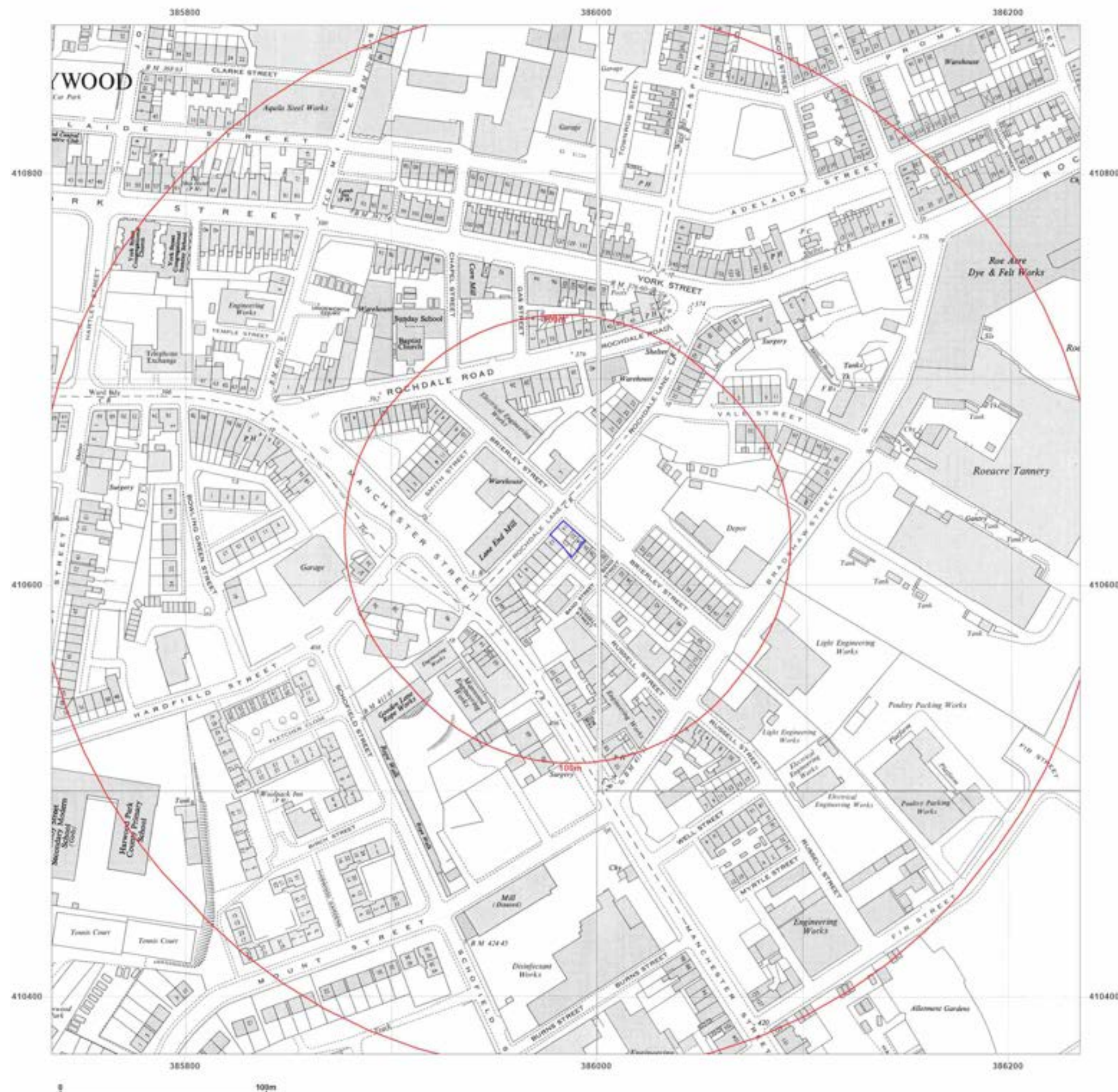


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1969

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1967
 Revised 1967
 Edition N/A
 Copyright 1969
 Levelled 1962

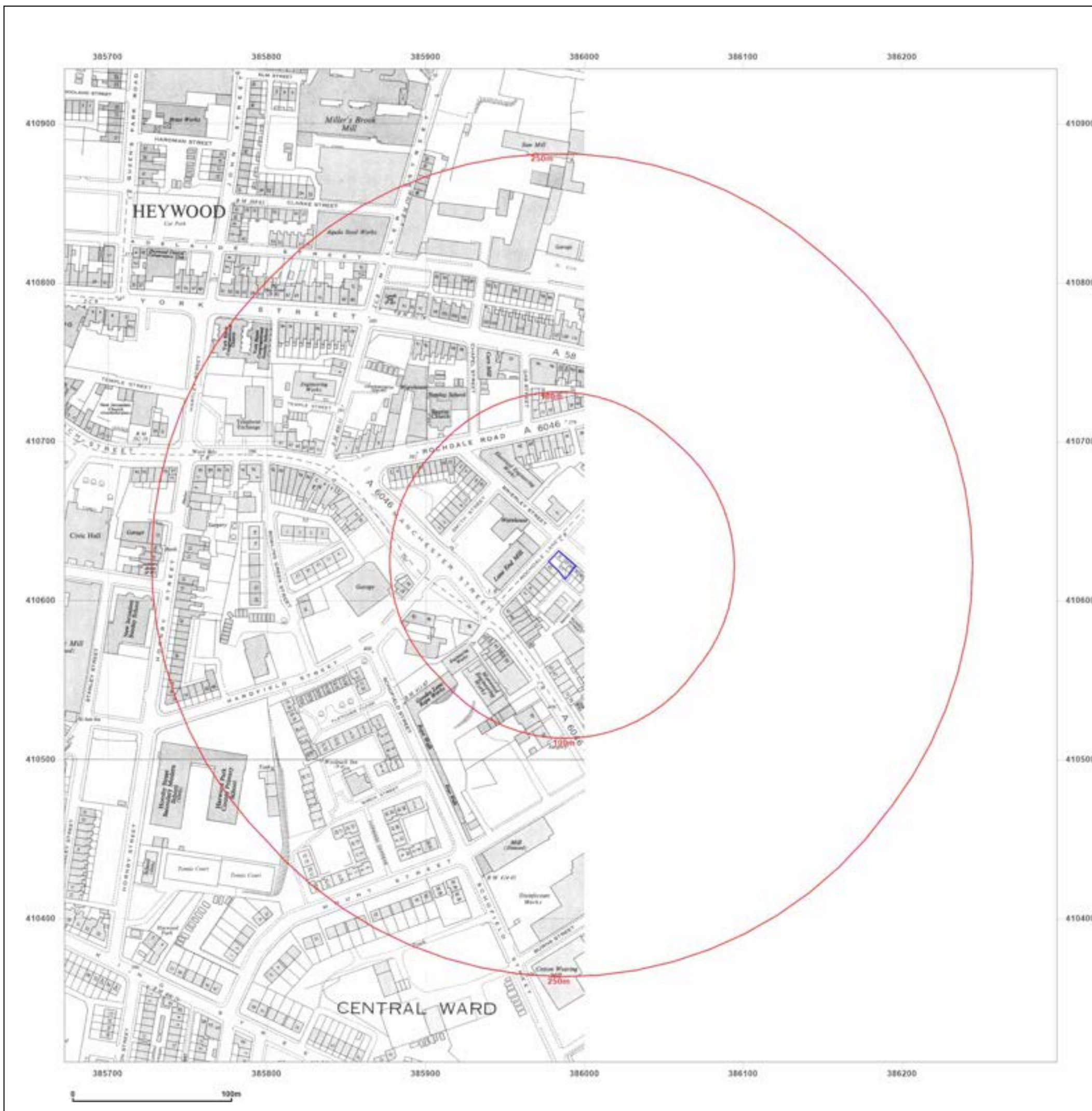


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1974-1975

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1956 Revised 1973 Edition N/A Copyright 1974 Levelled 1956	Surveyed N/A Revised N/A Edition N/A Copyright 1975 Levelled N/A
--	---

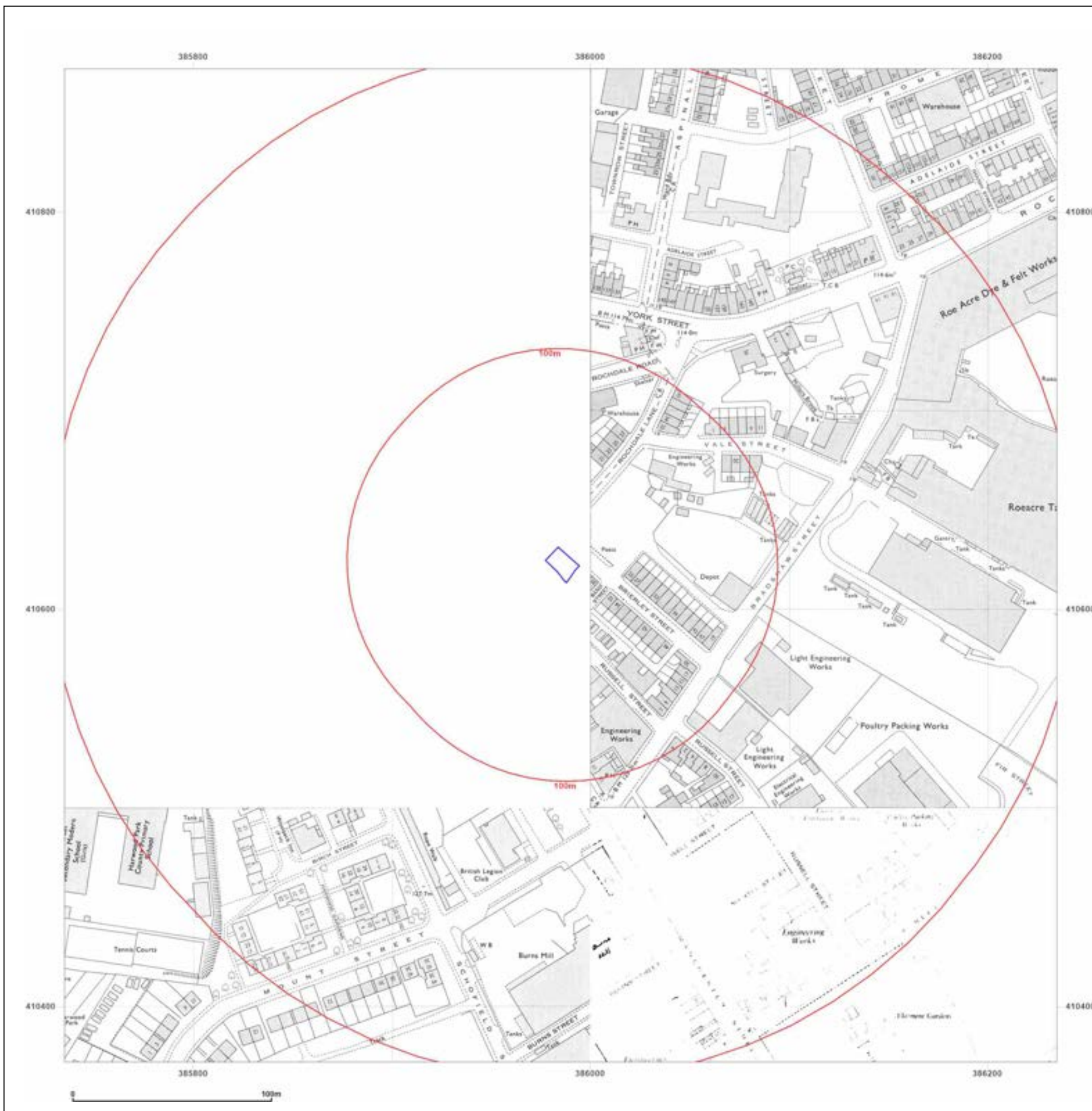


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

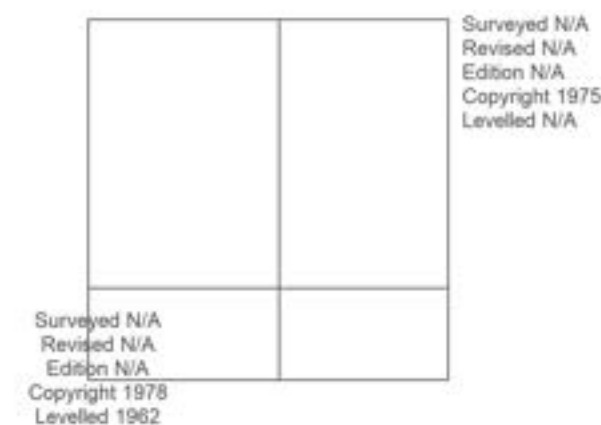
Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1975-1978

Scale: 1:1,250

Printed at: 1:2,000

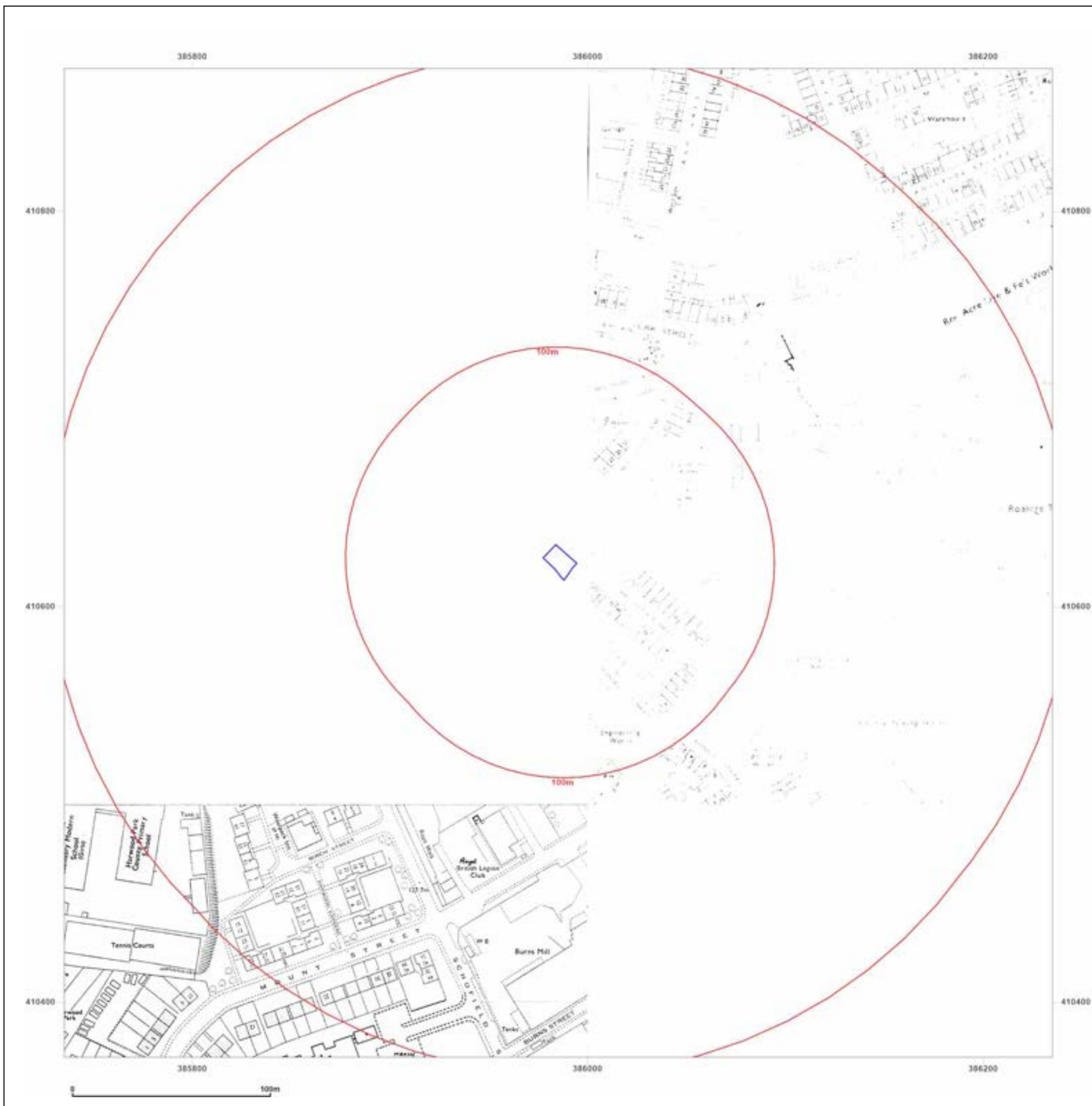


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1981-1985

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1981
 Levelled 1962

Surveyed 1956
 Revised 1985
 Edition N/A
 Copyright 1985
 Levelled 1956

Surveyed 1962
 Revised 1983
 Edition N/A
 Copyright 1983
 Levelled 1962

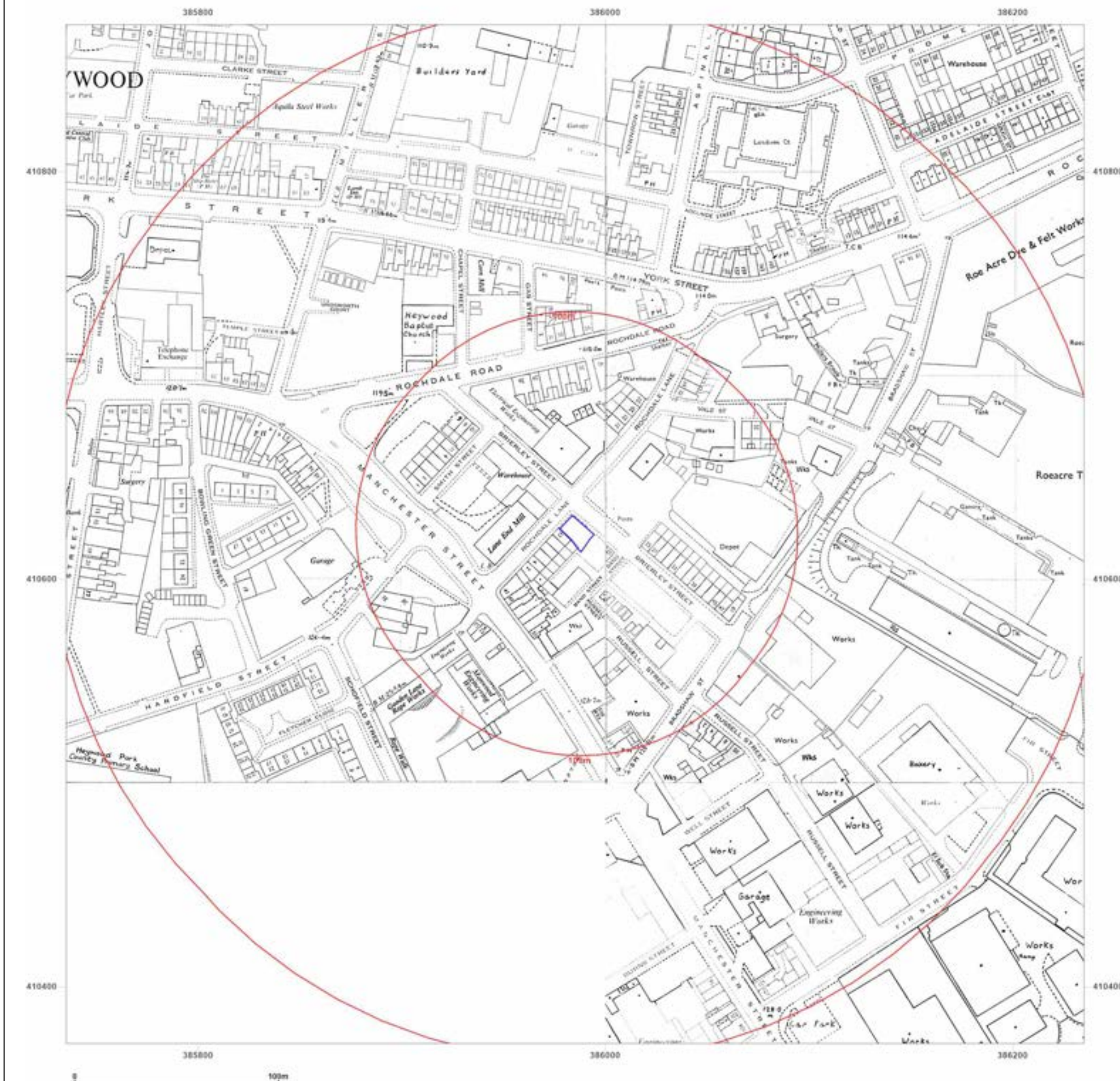


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1986-1991

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1956
 Revised 1989
 Edition N/A
 Copyright 1989
 Levelled N/A

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

Surveyed 1956
 Revised 1989
 Edition N/A
 Copyright 1990
 Levelled N/A

Surveyed 1956
 Revised 1985
 Edition N/A
 Copyright 1986
 Levelled 1982

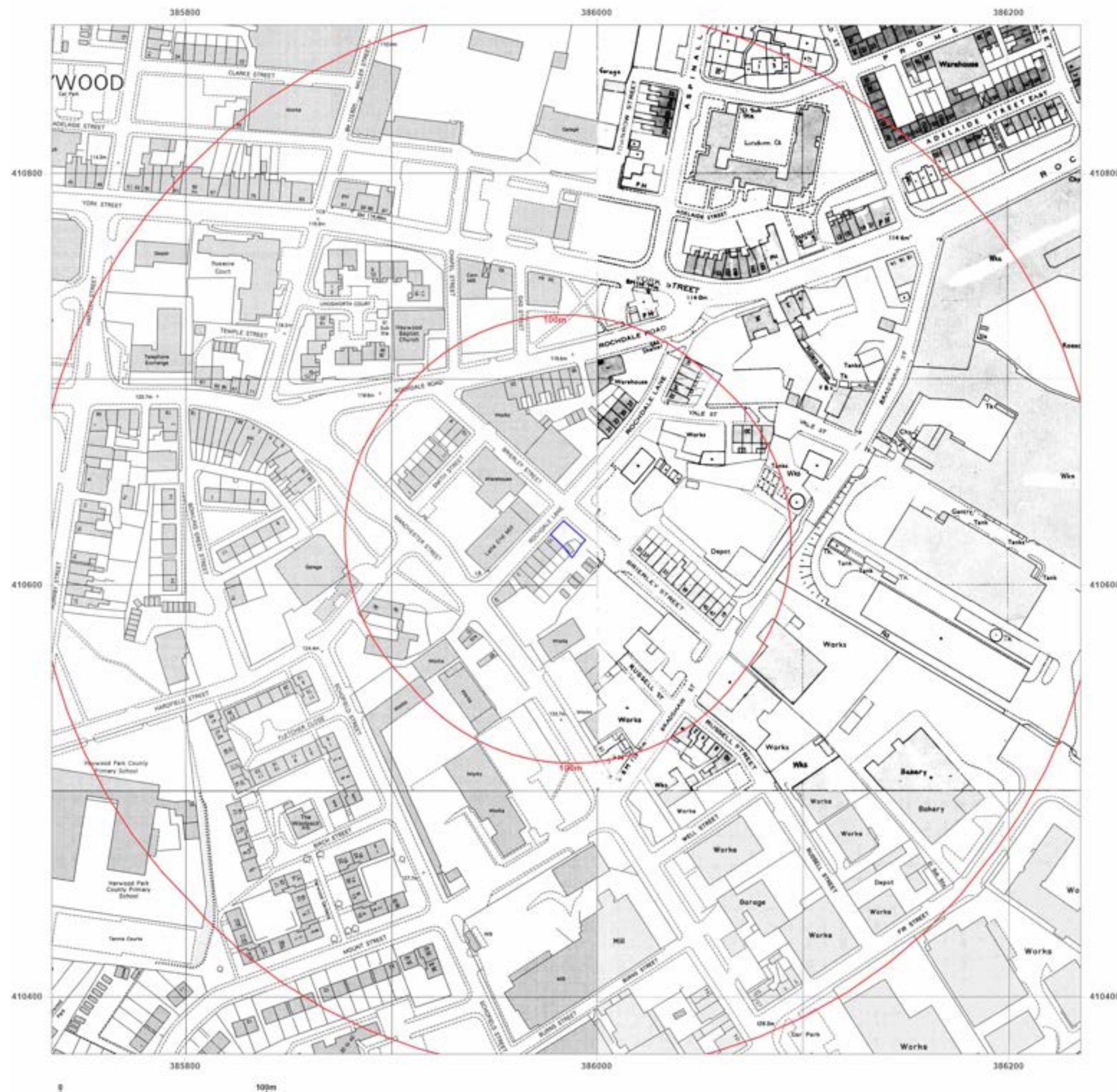


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1990-1992

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1986
 Revised 1989
 Edition N/A
 Copyright 1989
 Levelled N/A

Surveyed 1992
 Revised N/A
 Edition N/A
 Copyright 1992
 Levelled N/A

Surveyed 1992
 Revised N/A
 Edition N/A
 Copyright 1992
 Levelled N/A

Surveyed 1992
 Revised N/A
 Edition N/A
 Copyright 1992
 Levelled N/A

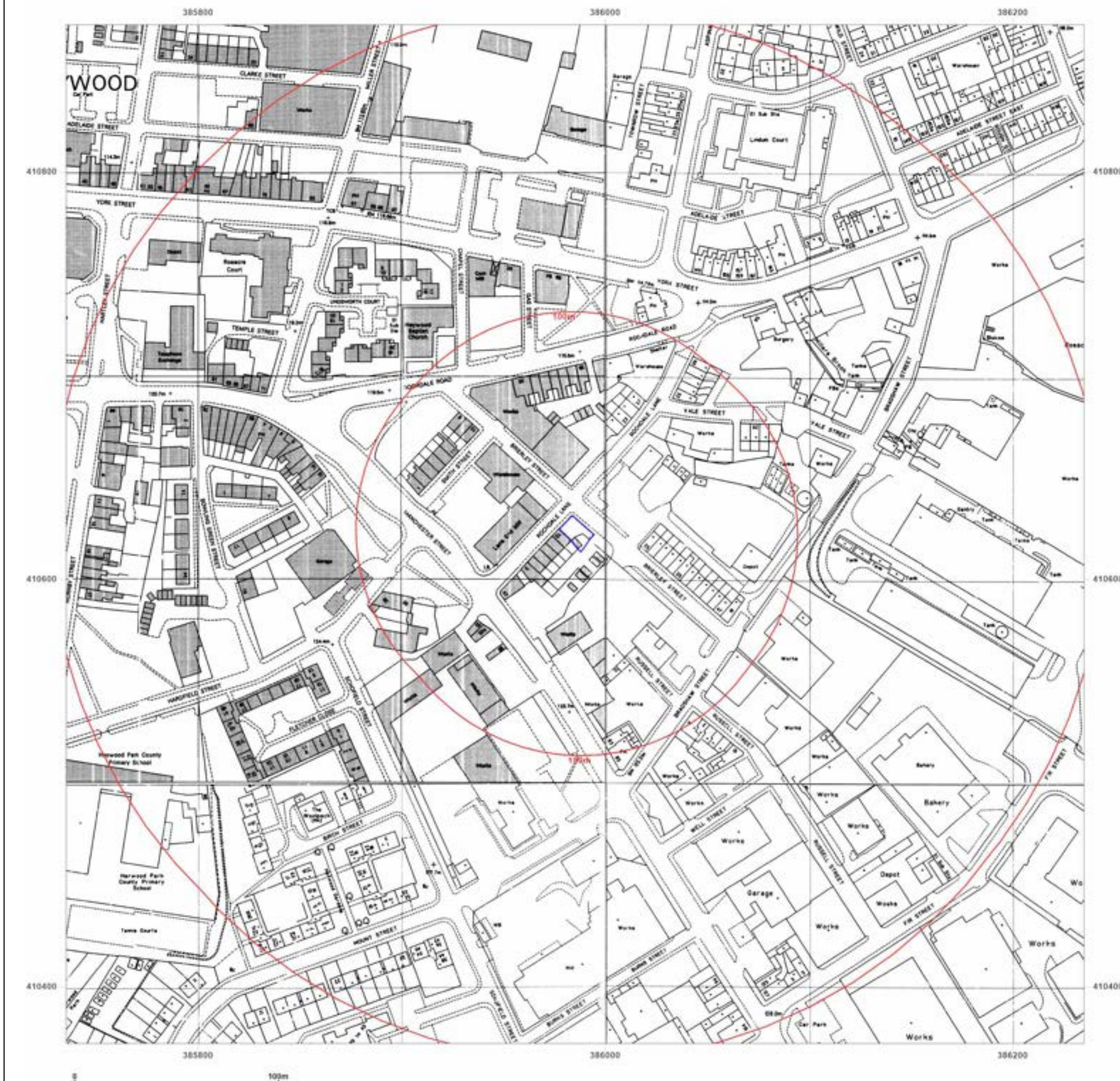


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1992-1994

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1992
 Revised N/A
 Edition N/A
 Copyright 1992
 Levelled N/A

Surveyed 1994
 Revised N/A
 Edition N/A
 Copyright 1994
 Levelled N/A

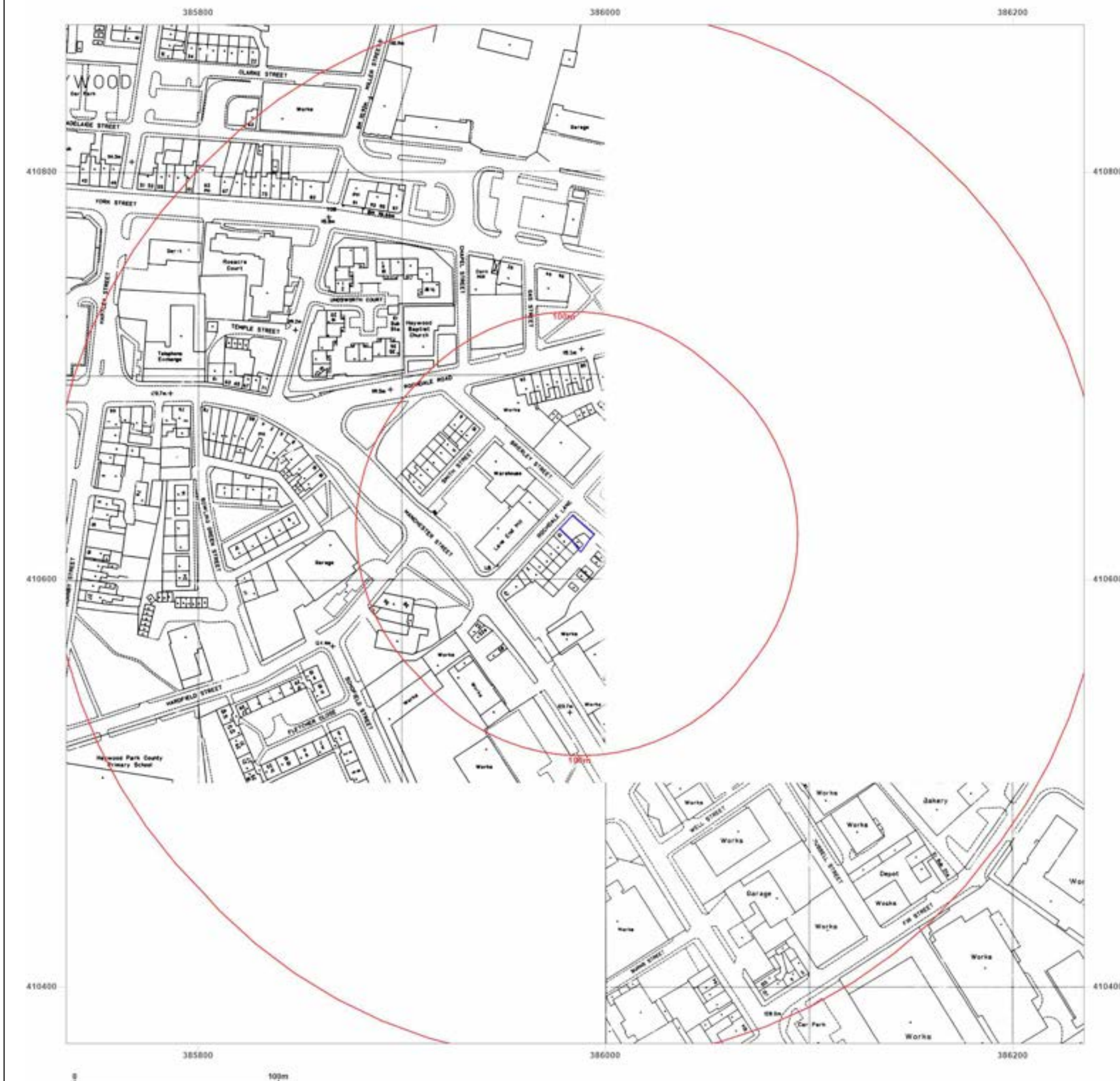


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

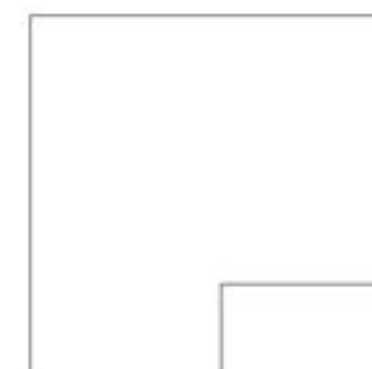
Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1994
 Revised 1994
 Edition N/A
 Copyright N/A
 Levelled N/A

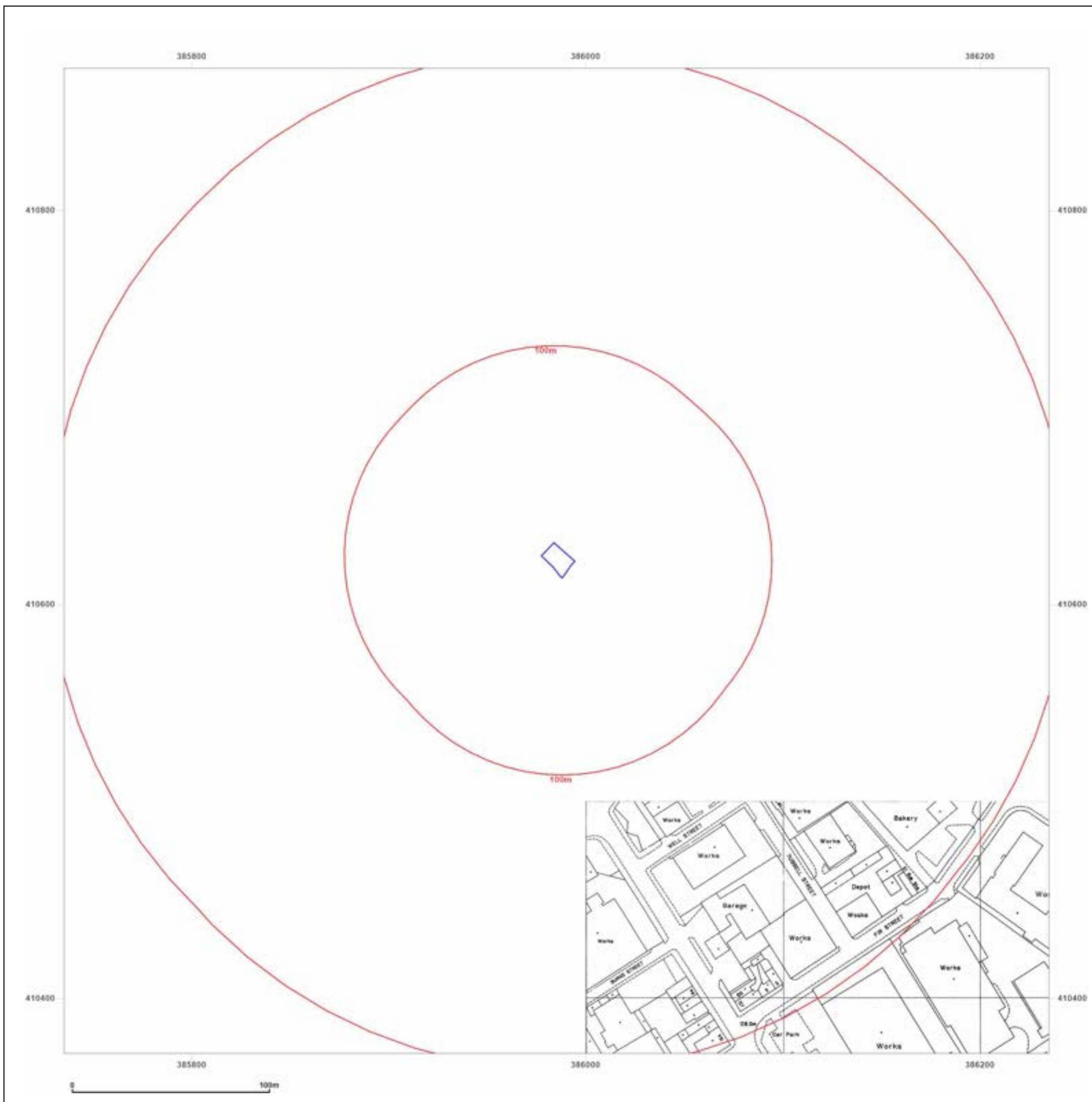


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

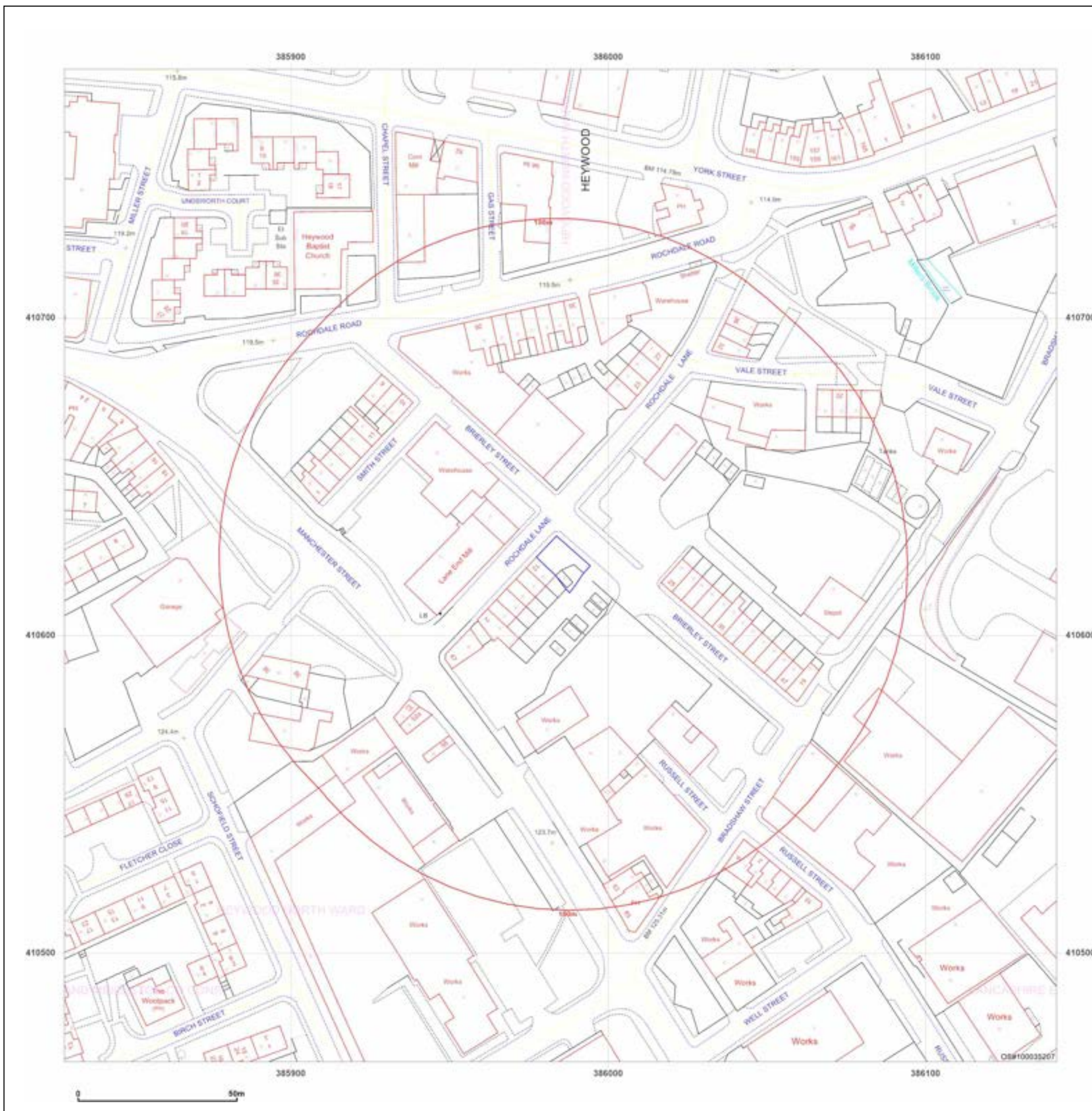


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: County Series

Map date: 1851

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised N/A
Edition 1851
Copyright N/A
Levelled N/A

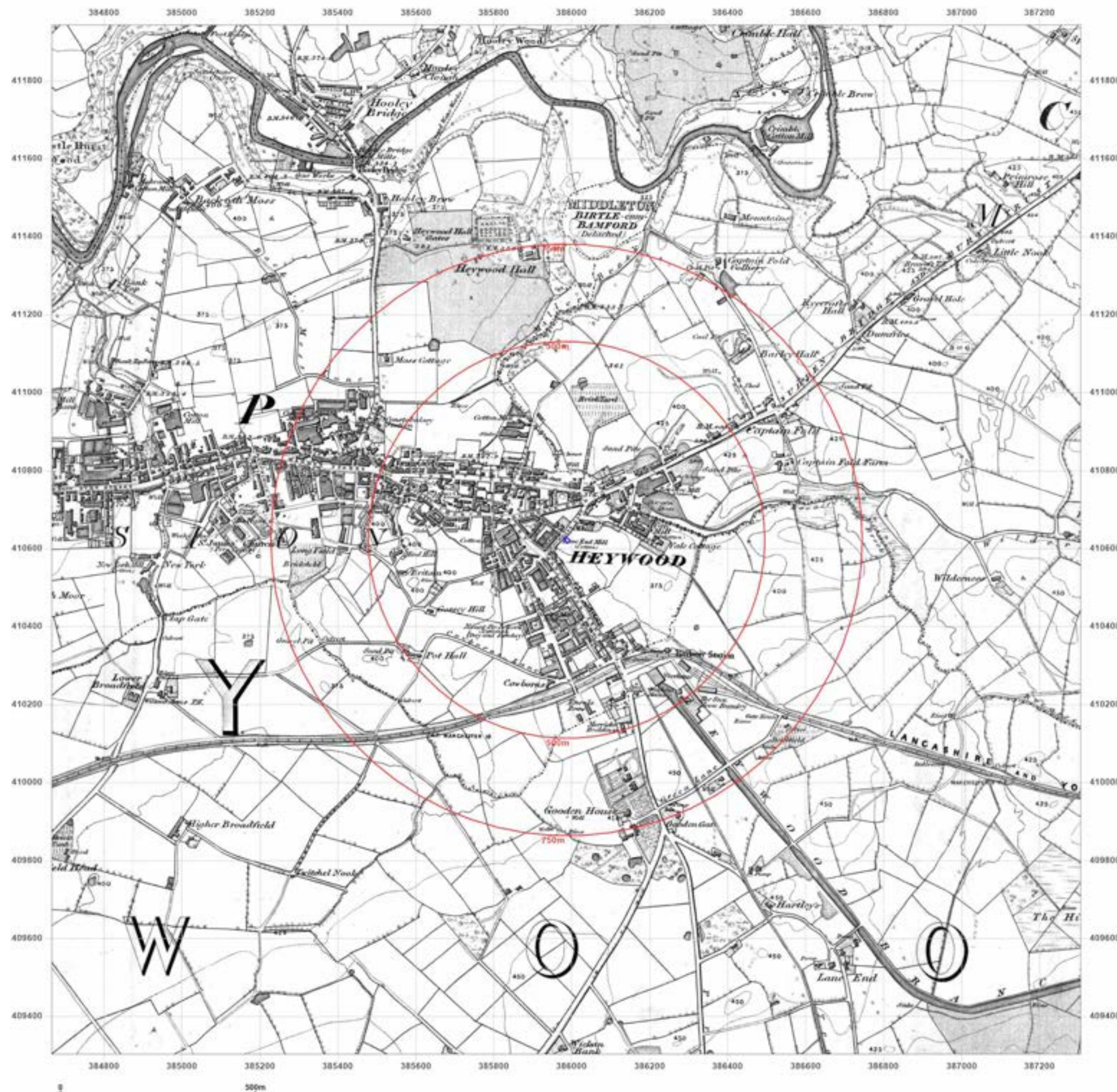


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: County Series

Map date: 1890

Scale: 1:10,560

Printed at: 1:10,560



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

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

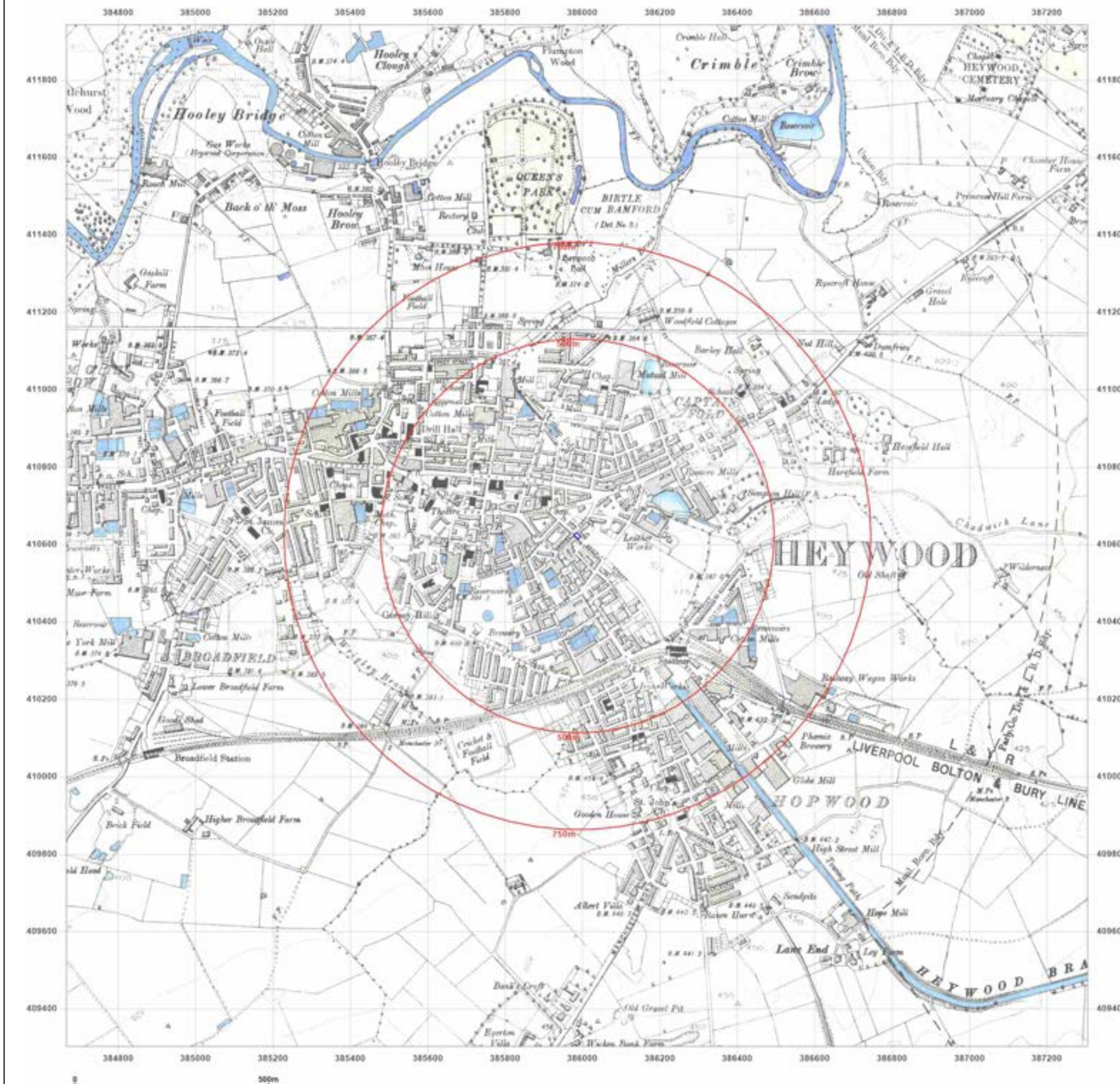


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: County Series

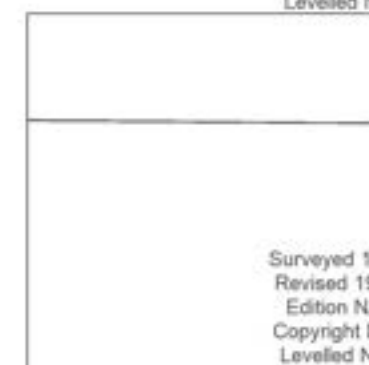
Map date: 1908-1909

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1848
Revised 1908
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1848
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

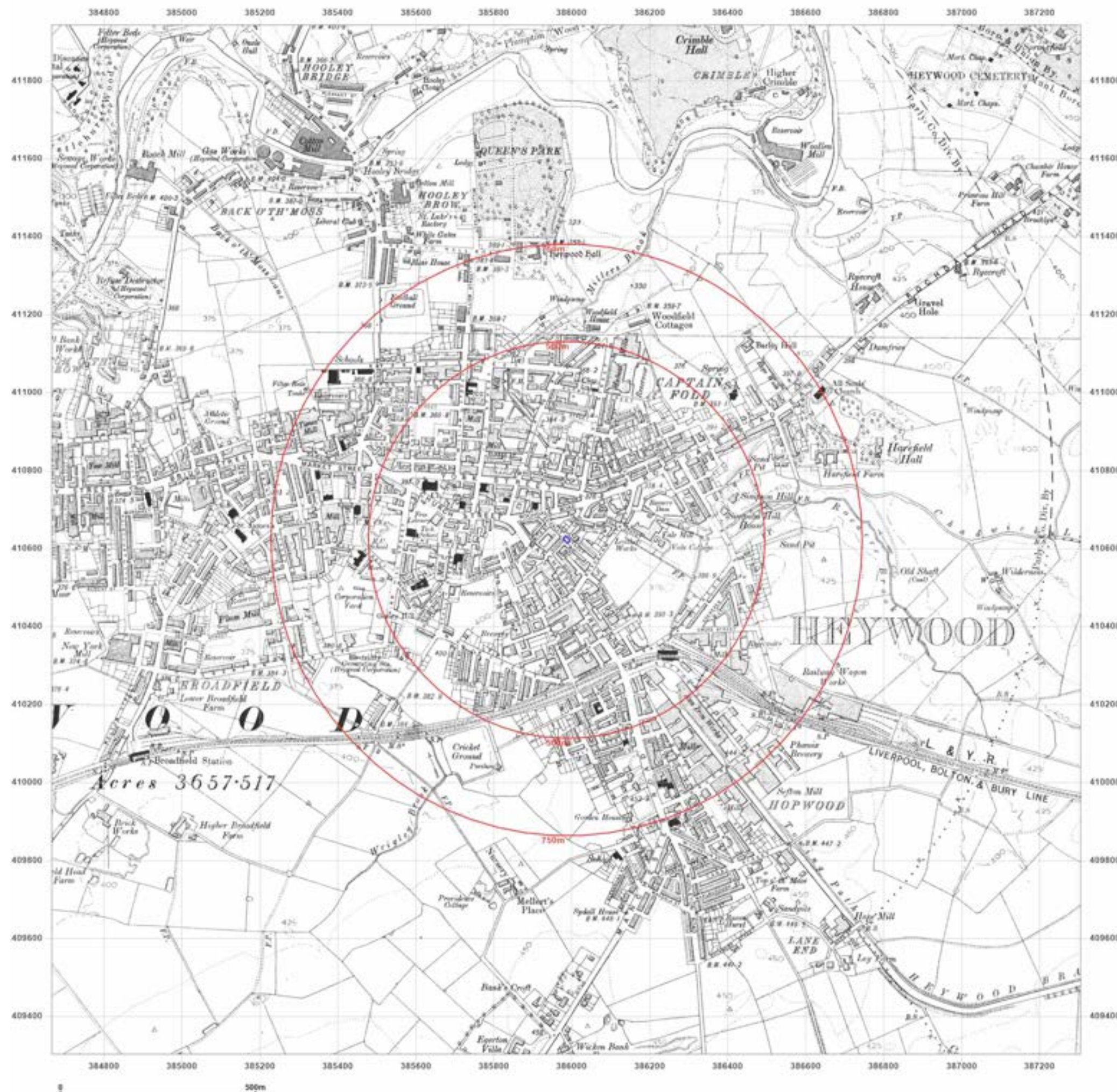


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: County Series

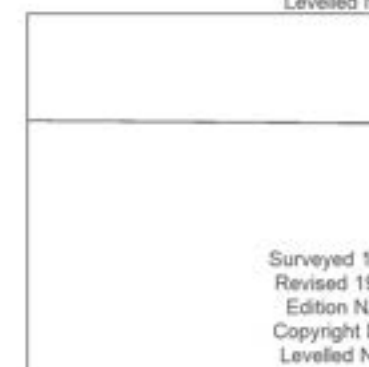
Map date: 1928

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1848
 Revised 1928
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1848
 Revised 1928
 Edition N/A
 Copyright N/A
 Levelled N/A

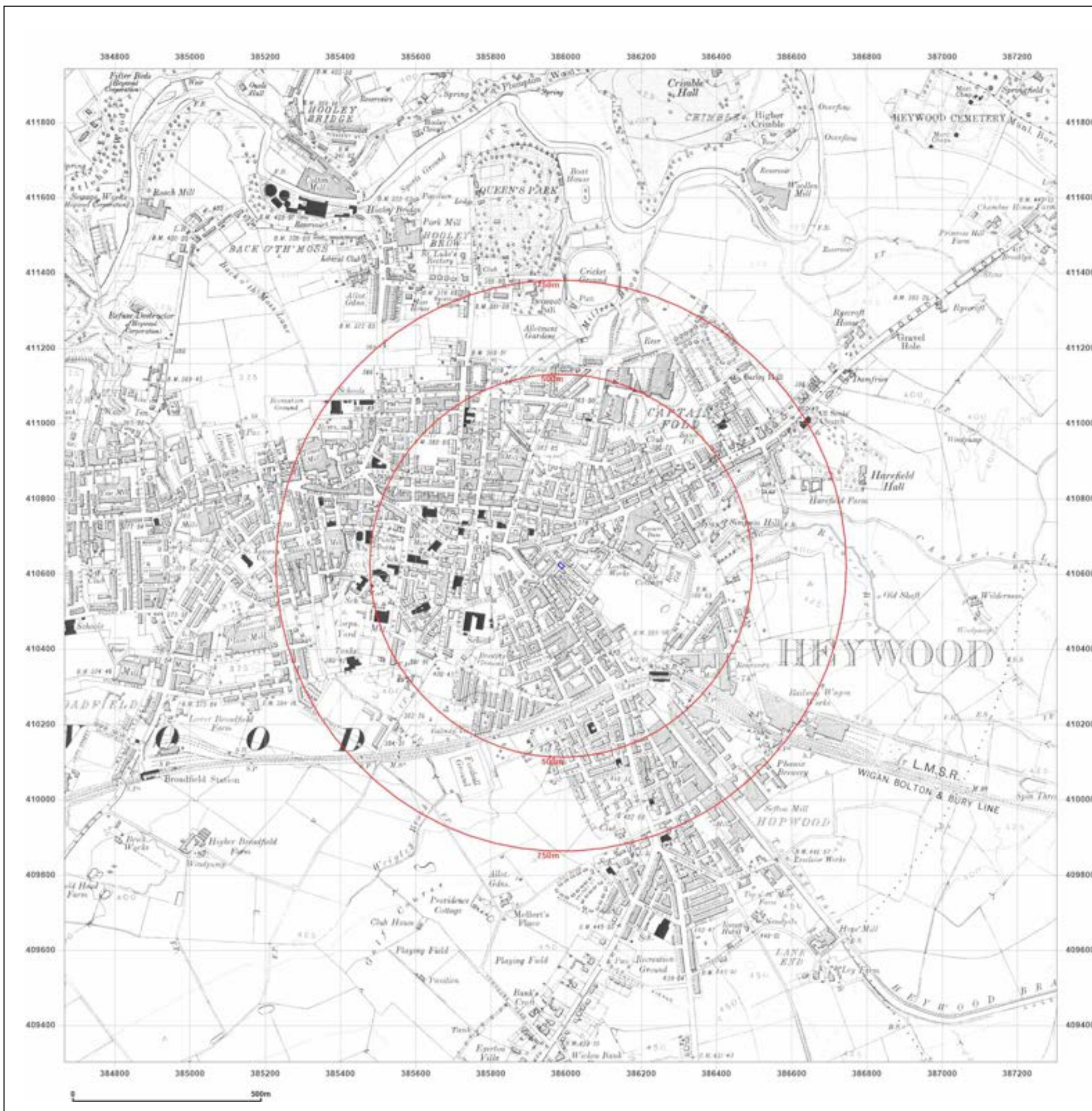


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: County Series

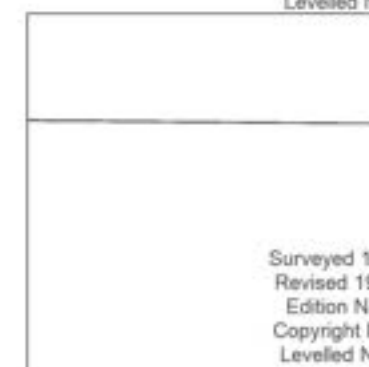
Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1848
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1848
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

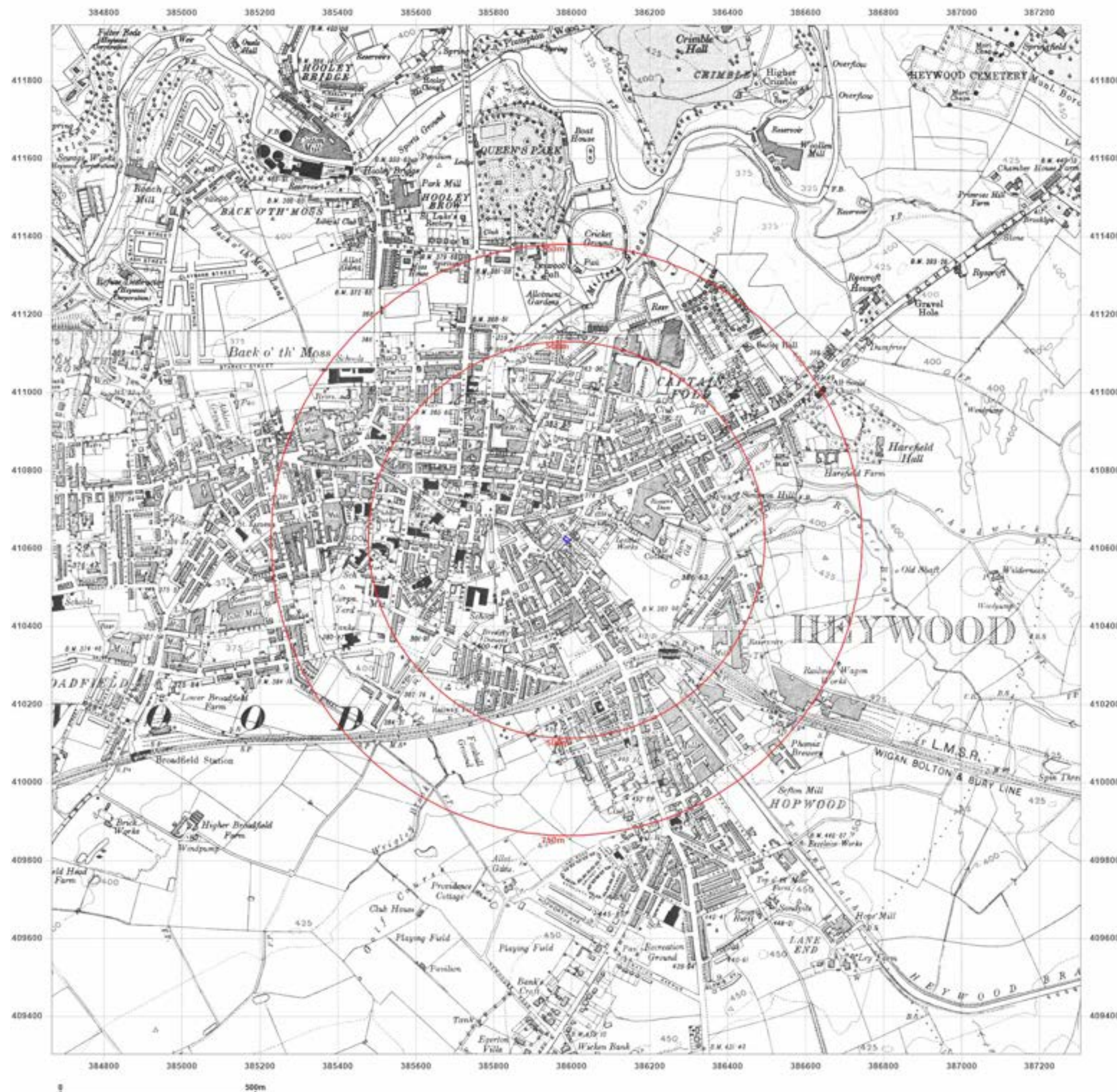


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: Provisional

Map date: 1955-1956

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1949
Revised 1949
Edition N/A
Copyright 1956
Levelled N/A

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

Surveyed 1949
Revised 1955
Edition 1955
Copyright N/A
Levelled N/A

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

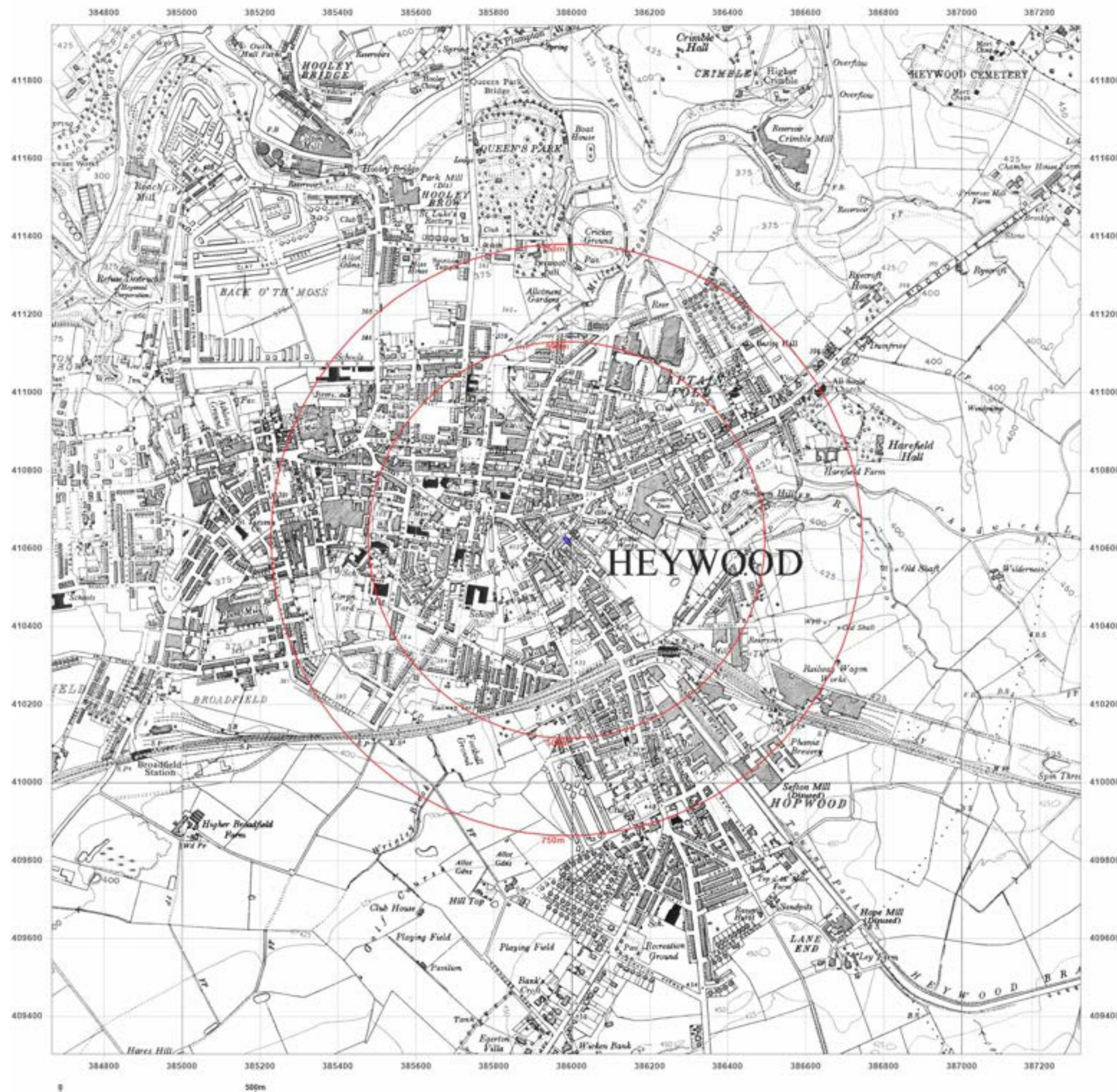


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: Provisional

Map date: 1965-1968

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1967
 Revised 1967
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1968
 Revised 1968
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1965
 Revised 1965
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1965
 Revised 1965
 Edition N/A
 Copyright N/A
 Levelled N/A

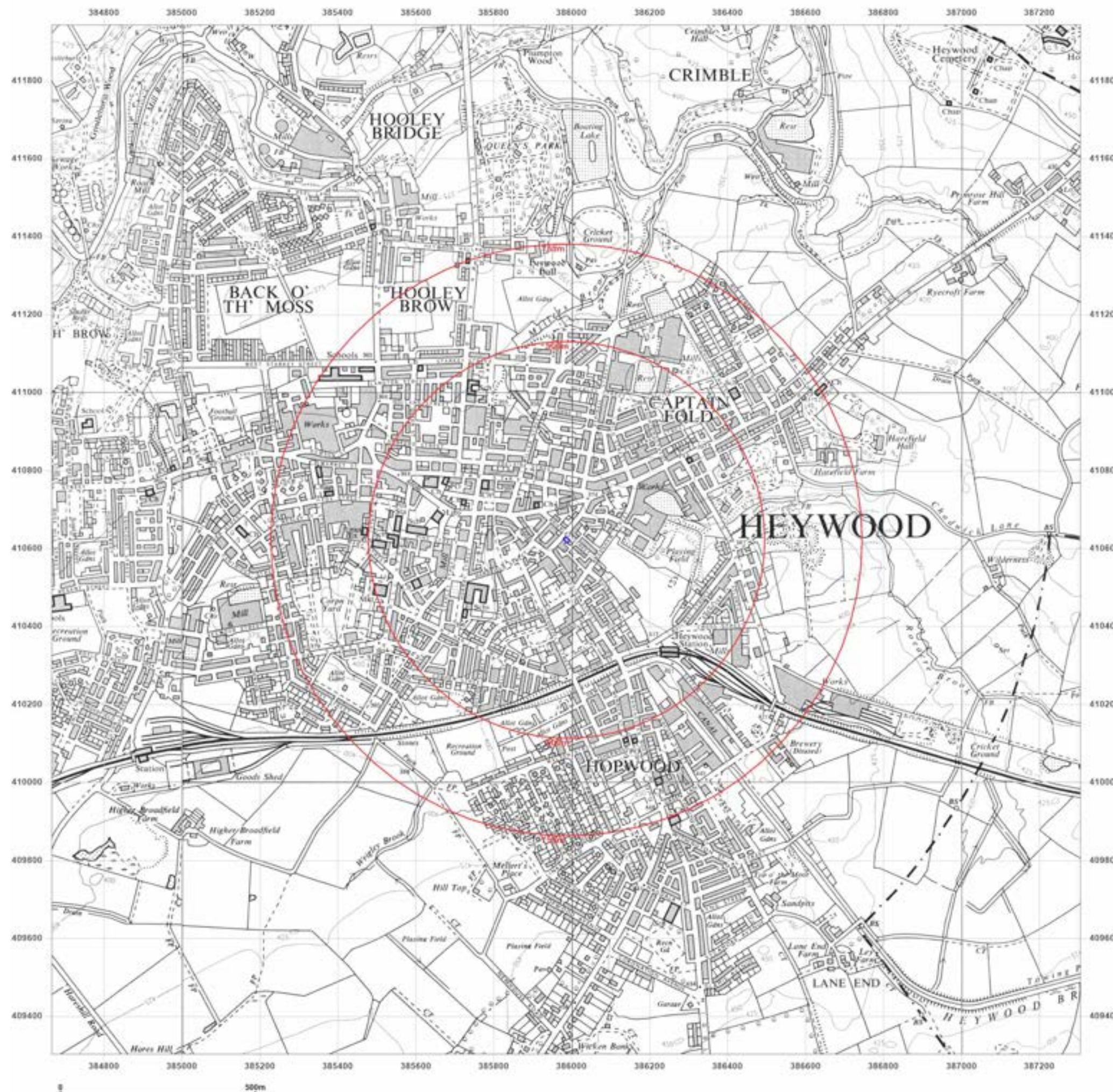


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1974-1975

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1974
Revised 1975
Edition N/A
Copyright N/A
Levelled N/A

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

Surveyed 1974
Revised 1975
Edition N/A
Copyright N/A
Levelled N/A

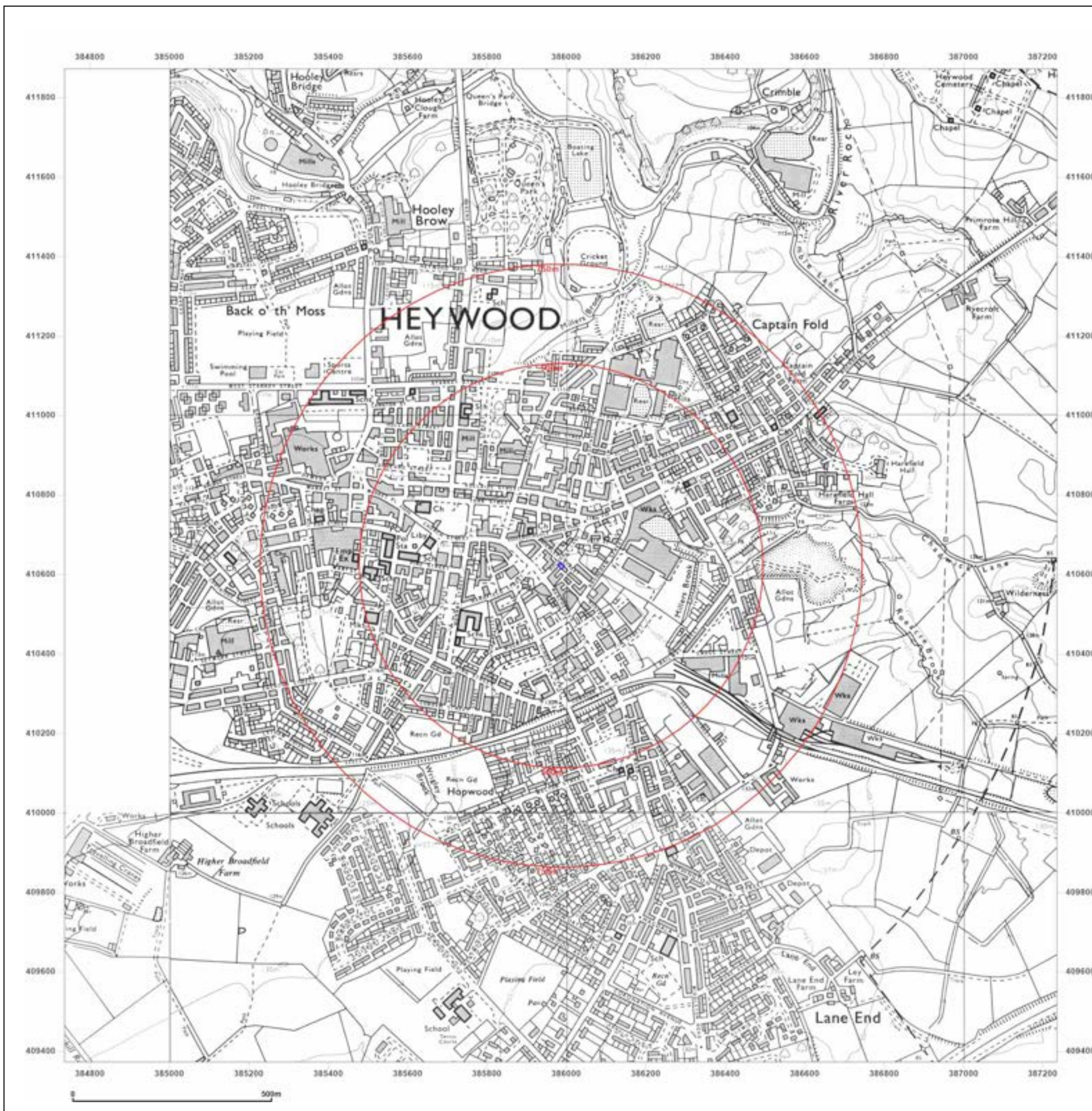


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1981-1983

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1977
 Revised 1983
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1980
 Revised 1981
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1980
 Revised 1982
 Edition N/A
 Copyright N/A
 Levelled N/A

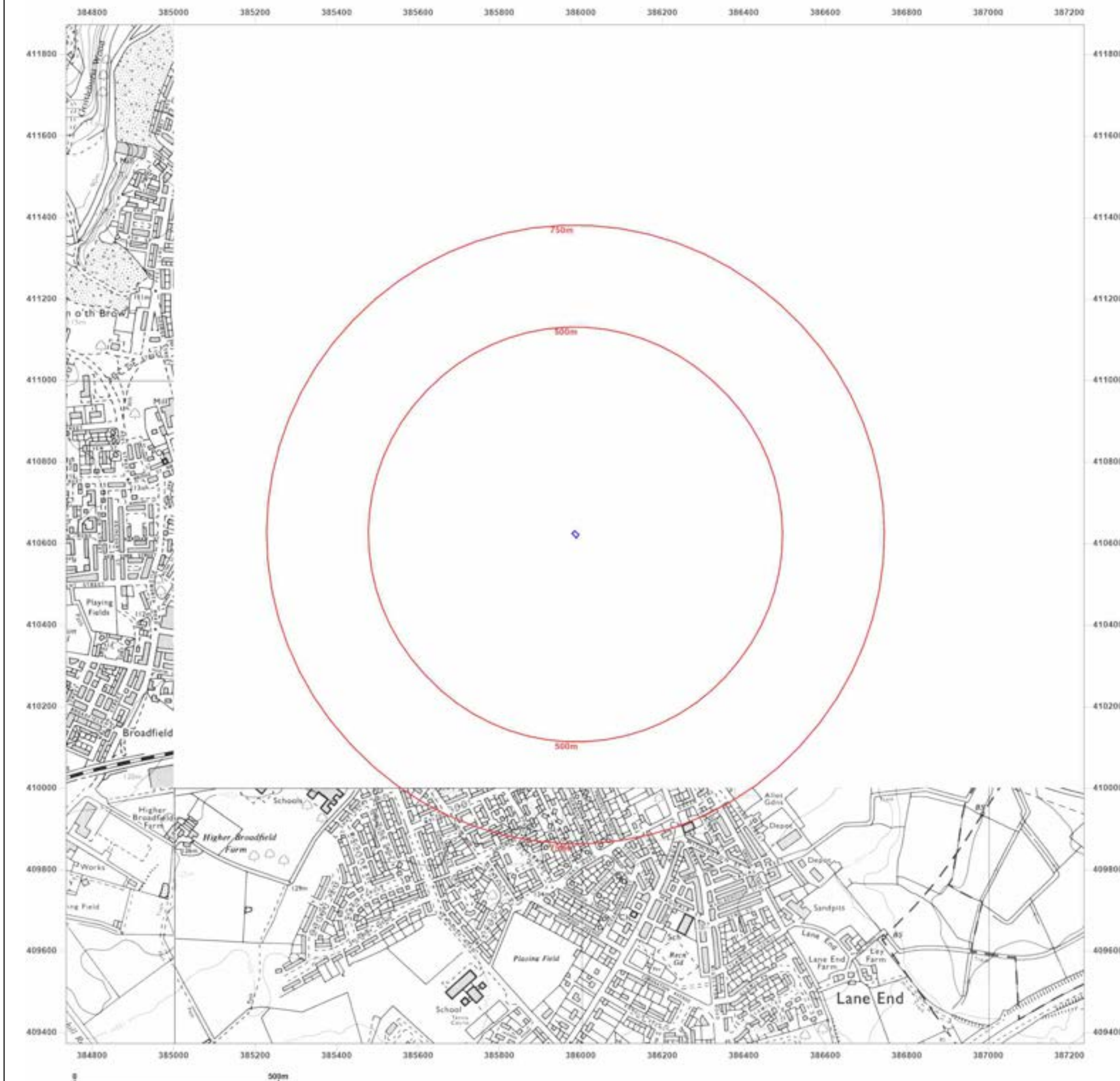


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1987

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1984
 Revised 1987
 Edition N/A
 Copyright N/A
 Levelled N/A

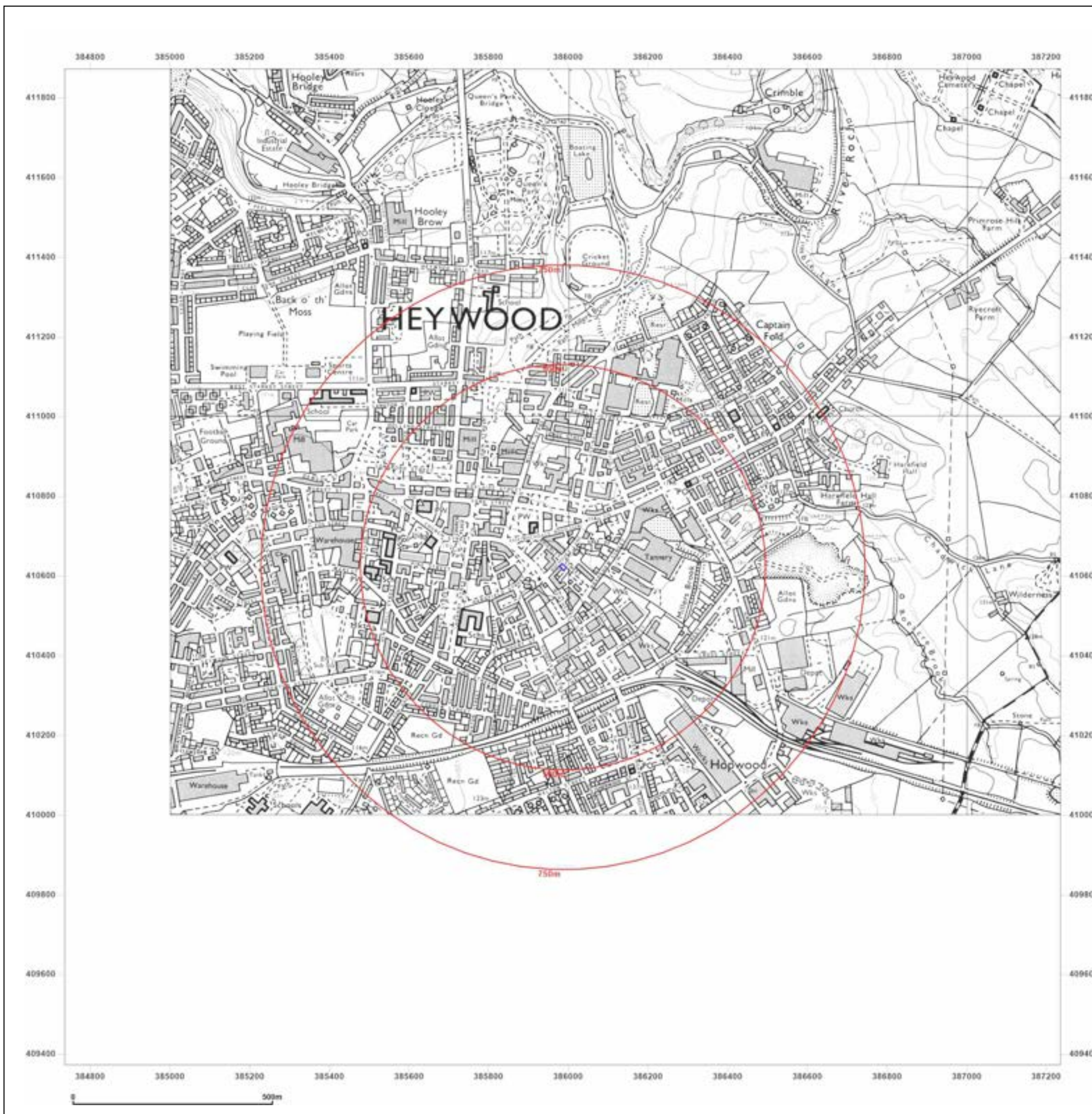


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 1992

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1984
 Revised 1992
 Edition N/A
 Copyright N/A
 Levelled N/A

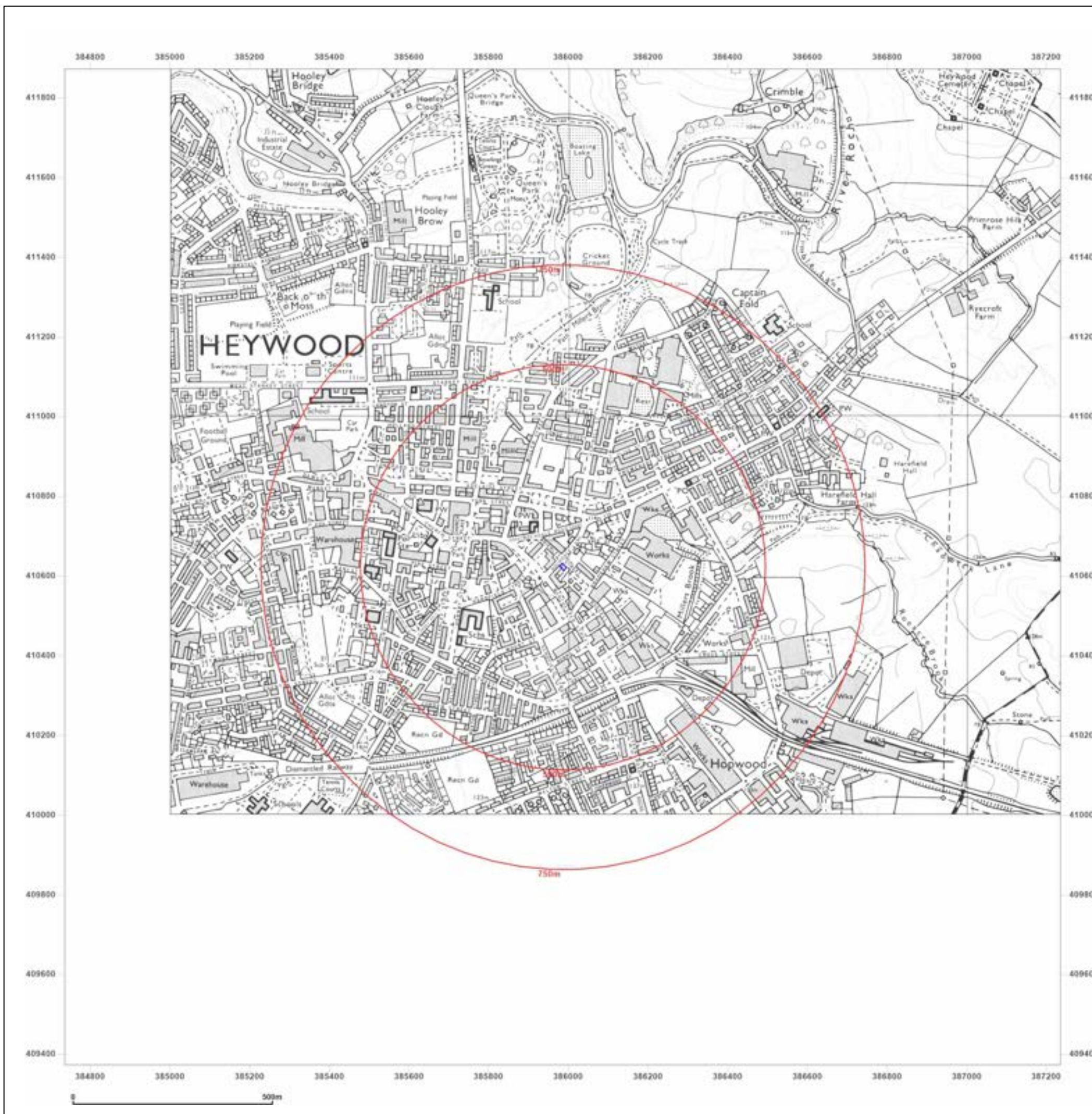


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

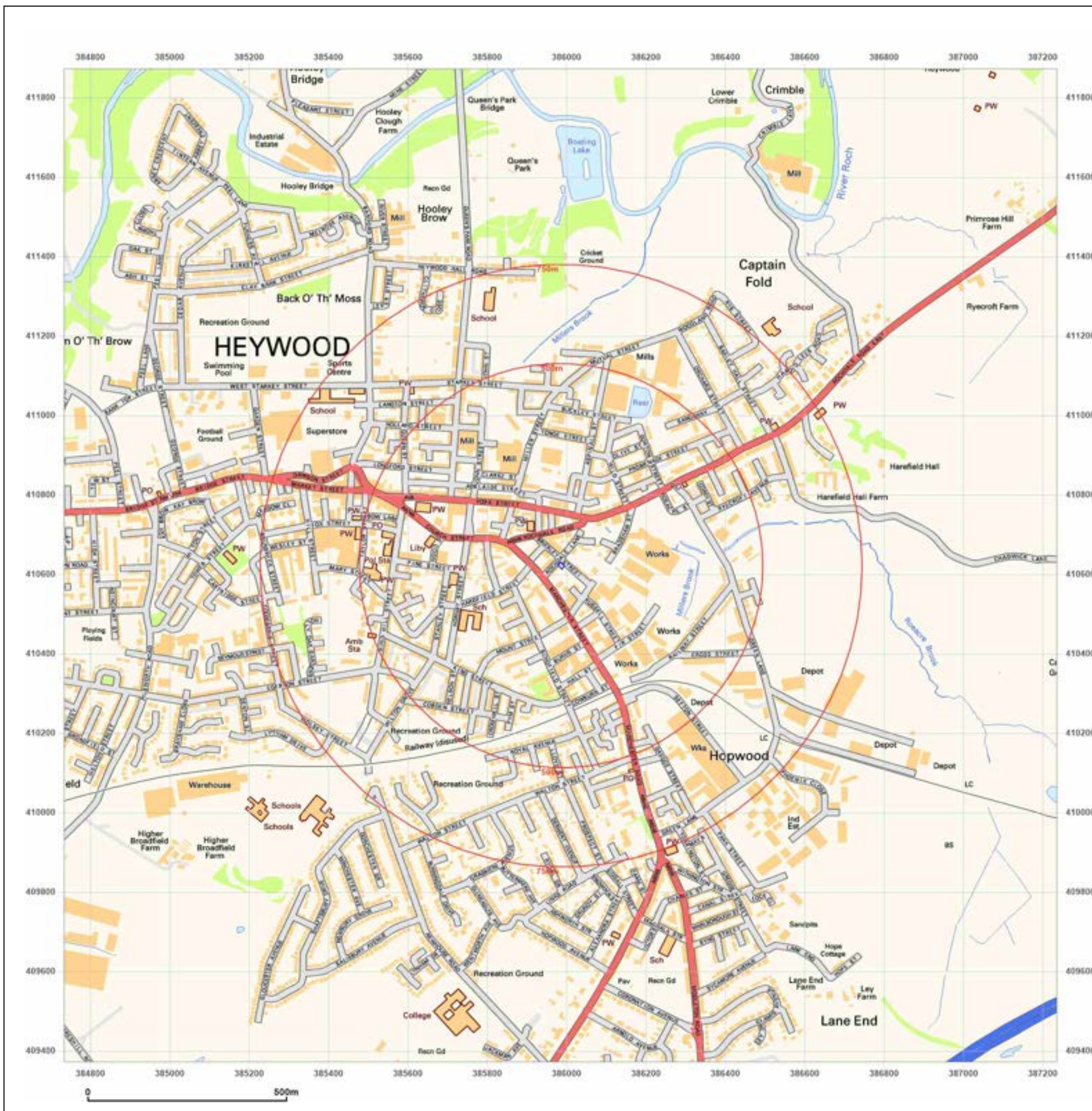


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



Site Details:

Client Ref: Land_adj12_Rochdale_Ln_Heywood_OL10
Report Ref: GS-9365486
Grid Ref: 385985, 410622

Map Name: National Grid

Map date: 2023

Scale: 1:10,000

Printed at: 1:10,000

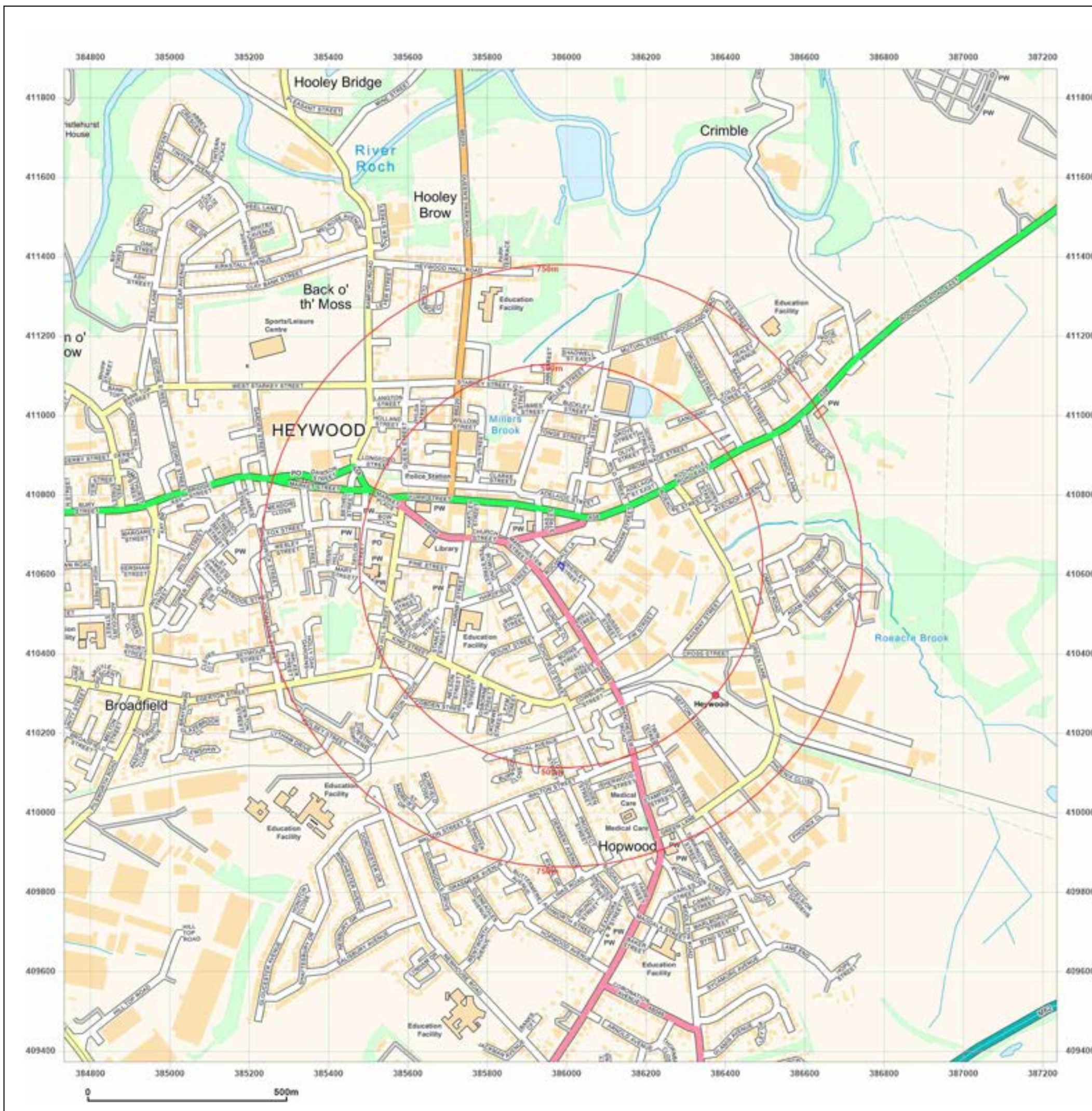


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 17 February 2023

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



APPENDIX C – LIMITATIONS

This report was prepared by Adeptus (registered in England: 05908395) for the use of the client, named on page 1. The report has been prepared specifically on the basis of the end use as defined by the client. Any change of end use would necessitate review of this report and its findings. Use of or reliance on this report by any third party is not permitted without our express written agreement, and where this is given, will be subject to our terms and conditions.

We have prepared this report in our professional capacity using reasonable skill, care and diligence. The assessments, conclusions and recommendations within this report pertain to the study site (the extents of which are in Figure 1, below) and the immediate area in continuity with the Site. They are based on the established historical uses, information available at the time of writing and the proposed use of the Site. Where any information supplied by the client or other sources have been utilised, it has been assumed that the information is correct. No responsibility can be accepted by Adeptus for inaccuracies in data supplied by any other party.

Any plans, diagrams, cross sections or images are for illustrative purposes only and should be checked for accuracy on-site. In the event of changes to the proposed end use of the Site, the report may require updating to reflect such changes. Although reference may be made to archaeological, ecological or geotechnical issues, invasive species, flood risk and the presence of asbestos containing materials (ACMs), this report does not constitute an archaeological assessment, ecological assessment, geotechnical assessment, invasive species survey, flood risk assessment or asbestos survey and liability for any claim caused by arising out of or in any way involving asbestos is excluded.

New information relating to environmental matters can come to light after the report has been prepared and changes in conditions and regulatory requirements may occur in future. Either of those factors may change the conclusions presented in our report. If development does not take place within the expected timescales, consideration should be given to reviewing this assessment to confirm that no changes to the site or relevant legislation have taken place. No part of this report is intended to provide legal advice or opinion of any nature.