



advant
ENGINEERS

**14 THORNHILL PARK AVENUE
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**PHASE 1 GEOENVIRONMENTAL
DESK STUDY**

6th MARCH 2026

Issue Sheet.

Prepared	Date		Checked	Date
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Revisions	Comment	Date
A	Initial Issue	06-03-26

The report is based on the information that has been acquired and / or made available to Advant Engineers via the various searches and consultations undertaken as part of the Flood Risk Assessment. In some cases, anecdotal information has been relied upon, where documented evidence has been lacking.

The conclusions drawn in the above report are considered correct although any subsequent additional information may allow refinement of the conclusions.

All work carried out in preparing this report has utilised and is based upon Advant Engineers current professional knowledge and understanding of current UK standards and codes, technology and legislation. Changes in this legislation and guidance may occur at any time in the future and cause any conclusions to become inappropriate or incorrect.

This report has been prepared using information contained in maps and documents prepared by others. Advant Engineers can accept no responsibility for the accuracy of such information.



Phase 1 Geoenvironmental Desk Study

14 Thornhill Park Avenue,

Dewsbury, WF12 ODA

for

Advant Consulting Group Ltd and Mr Amir

G-25-038

February 2026

Issue	Issue date	Report status, changes made	Author	Reviewer
1	27/02/26	1 st Issue	DJW	GVR

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Executive Summary

<p>Site Description</p>	<p>The site comprises an irregular elongate shaped area of land occupied by the a residential dwelling of No. 14 Thornhill Park Avenue. The overall extent of the residential plot is approximately 47m long with an average width of approximately 12m. The site is located on the north eastern perimeter of the Thornhill housing estate, approximately 2km south of Dewsbury town centre.</p> <p>The immediate adjacent land comprises the Thornhill housing estate development on all sides. The outlying area comprises the Calder and Hebble Navigation canal and disused for railway viaduct with residential and light industrial/commercial development beyond to the north, residential and retail development to the west and open farmland to the east.</p> <p>It is understood that the development proposals will comprise extensive alterations/enlargement of to the existing detached dwelling within the existing plot boundary.</p>
<p>History</p>	<ul style="list-style-type: none"> • The site has largely comprised open agricultural land since the earliest historic maps dated 1855 until development of the existing house and adjacent housing estate in the 1980's. • The north east boundary garden area was formerly occupied by the toe edge of a former railway embankment with underpass constructed around 1900. • The adjacent land has predominantly comprised agricultural land and a railway embankment to the north east., with subsequent residential housing development in the 1980's. • The outlying area has comprised the Calder and Hebble Navigation canal to the NW (~95m), agricultural land to the E (~30m), an old quarry to the NW (~105m), textile mills NE and W (~205m and 250m respectively), carriage and wagon works N (~250m), gas works NE and W (~380m and 625m respectively) and collieries 600m SE and 1070m SW.
<p>Geology</p>	<ul style="list-style-type: none"> • Superficial drift: None recorded by BGS. • Solid geology: Carboniferous strata of the Lower Pennine Coal measures Formation comprising interbedded sandstones, siltstone, mudstones and coal seams. • Three coal seams, an unnamed seam, First Brown Metal Seam and Second Brown Metal Seam are recorded to underlie the site at shallow depths of 6m, 24m and 36m bgl respectively.
<p>Environmental</p>	<ul style="list-style-type: none"> • The nearest surface water course is the Calder and Hebble Navigation canal 95m N. • No superficial aquifer recorded. • Solid geology: Secondary A Aquifer of medium groundwater vulnerability. • 9 No. licensed surface water abstraction within 2000m. The nearest

	<p>being 1149m N of the site from the River Calder.</p> <ul style="list-style-type: none"> • 9 No. licensed groundwater abstractions within 2000m, the nearest being 1118m N and all relating to borehole abstractions for industrial purposes. • Site does not lie within a groundwater source protection zone 2 or 3. • No discharge consents relate to the site. • 7 No. pollution incidents within 500m, but none relating to the site or to have impacted the site.
Flooding	<ul style="list-style-type: none"> • The site is not within an area at risk of flooding from rivers or the sea. • The site does not lie within a Flood Zone 2 or 3 • Negligible risk of groundwater flooding.
Contamination	<ul style="list-style-type: none"> • No previous contaminative land uses within the majority of the site apart from the NE boundary area former occupied by a railway embankment. • No current contaminative land uses. • Contaminative land uses off site primarily relate to the adjacent railway embankment. • These contaminative processes are considered to present a negligible to low risk to the current or future land users and the environment apart from the NE boundary garden area which is considered to present a low to moderate risk.
Mining	<ul style="list-style-type: none"> • The results of the GVR Geo Coal mining Risk Assessment (Ref: G-25-038, dated Nov 2025) concluded that the shallow coal seams recorded to underlie the site do not present a mineral instability risk at ground surface risk to the site. • In view that there are no records of mine gas emissions within 500m and no mine entries within 100m of the site there is considered to be at low risk from mine gas emissions.
Ground Gas	<ul style="list-style-type: none"> • The site is not recorded to be within 250m of any known or recorded landfill sites or infilled mineral extraction sites and therefore the migration of ground gas beneath the site is considered to present a low risk. • No radon protective measures are required for buildings in this area.
Recommendations for Ground Investigation	<p>Targeted ground investigation to include:</p> <ul style="list-style-type: none"> • Hand excavated inspection pits in the north east boundary garden area, where made ground associated with the former railway embankment may be present, to allow for soil sampling. • Chemical laboratory testing of soils for contamination/pollution risk assessment. • Factual and interpretive report.

The executive summary should not be read or used in isolation and reference should be made to the full report which provides a detailed assessment of the risks potentially affecting the development.

1.0 Introduction

1.1 Commission

GVR Geoservices Ltd (GVR Geo) was commissioned by Advant Consulting Group Limited (Advant) on behalf of Mr Amir (Client) to undertake a Phase 1 Geoenvironmental Desk Study in support of a planning application for the alterations to a detached dwelling at No. 14 Thornhill Park Avenue, Dewsbury, WF12 ODA. A site location plan is presented as Drawing No. G-25-038-001 in Appendix A.

1.2 Proposals

It is understood that the development will comprise extensive alterations/enlargement of to the detached dwelling within the existing plot boundary. This report is required to support the planning application. The existing and proposed development layouts are shown on DK Architects Drawing Nos. 25.2796 01A and 02A respectively, dated 3rd November 2025, presented in Appendix A.

1.3 Objectives

The objectives of this report are as follows:

- Assess the land use history and whether the former site usage may have given rise to significant ground contamination that could affect the proposed development.
- Provide information on the ground conditions, including the potential for past surface or underground mineral extraction.
- Describe the environmental setting of the site and status of environmental receptors.
- Assess the potential for hazardous ground gas to affect the proposed end use.
- Provide a conceptual site model on which to base a preliminary environmental risk assessment.
- Inform the need for and scope of further assessment works.

This report presents factual information obtained during this appraisal, an interpretation of the data and recommendations with respect to the proposed development. This report should be read in conjunction with the Coal Mining Risk Assessment report prepared by GVR Geo, Ref: G-25-038, dated 27th November 2025.

1.4 Sources of Information

The study includes a review of the following information sources:

1. Groundsure Insight report which includes but is not restricted to, historical OS maps and land use, geology, hydrogeology, hydrology, environmental receptor search data, past and present landfill and waste management, hazardous substances, industrial land use and sensitive land uses.
2. BGS 1:10,000 geological map, Sheet SE21NW Grange Moor (Solid and Drift), 1999 (via BGS online viewer).



3. BGS Geoindex - Online GIS System (www.bgs.ac.uk/geoindex/home.html).
4. 14 Thornhill Park Avenue, Dewsbury, WF12 0DA - Coal Mining Risk Assessment. Letter report prepared by GVR Geo, Ref: G-25-038 dated 27th November 2025.

1.5 Limitations

This report has been prepared for Advant, the Client and their agents only and should not be relied upon by any third party without the written permission of GVR Geo. If any unauthorised third party comes into possession of this report, they rely on it at their own risk and the authors do not owe them any Duty of Care or Skill. This report is based on and limited to an assessment of the information and ground conditions identified here. GVR Geo is not responsible for ground conditions not revealed during these investigations.

2.0 Site Setting

Grid Reference	Approx. OSGR 424898mE, 419661mN, NGR SE 249 197
Area	The site comprises an irregular elongate shaped area of land occupied by the current residential dwelling of No. 14 Thornhill Park Avenue. The overall extent of the residential plot is approximately 47m long with an average width of approximately 12m. The site is located on the north eastern perimeter of the Thornhill housing estate, approximately 2km south of Dewsbury town centre.
Description	<p>The site comprises a single two storey detached dwelling with associated driveway and paved hardstanding to the front of the property and a rear garden with patio area. The rear garden area extends over an area formerly occupied by a railway embankment that may have benched into the toe of the former embankment at the time of construction.</p> <p>The site is bound on all sides by a modern housing estate development.</p>
Adjacent Land Use	The immediate adjacent land comprises the Thornhill housing estate development on all sides. The outlying area comprises the Calder and Hebble Navigation canal and disused former railway viaduct with residential and light industrial/commercial development beyond to the north, residential and retail development to the west and open farmland to the east.

3.0 Geoenvironmental Information

Historical maps are included in Appendix B and environmental data is included in Appendix C.

3.1 Historical Land Use

A brief summary of the land use history of the site is presented below which is intended to only describe the changes that have occurred on or adjacent to the site that are relevant to the objectives of this investigation.

It should be noted that the available mapping and Ordnance Survey records are carried out on a cycle of approximately 20 years, so surface mineral extractions and other short-term disturbance of the site may not have been mapped.

Map Dates	On-Site	Off-Site
1855, 1892, 1893, 1894	Open agricultural fields	Open agricultural field adjacent N, S, E and W. Canal 95m NW. Old quarry 105m NW. Mills (textile) 205m NE and 250m W. Malthouse 190m W. Railway 240m N. Carriage and wagon works 250m N. Gas works 380m NE and 625m W. Collieries 600m SE and 1070m SW.
1905, 1907, 1922, 1931, 1933, 1937, 1938, 1948, 1951-55, 1953-54, 1955	Railway line embankment with underpass within the NE edge (existing garden area).	Railway line 5m NE. Laundry 205m NE. Chemical works 260m E.
1960-65, 1966-67, 1969, 1971-74, 1972, 1980-83	No significant changes.	Railway line dismantled 5m NE and partial removing of railway embankment 48m SE. Slag heap 180m WNW. Scrap metal works 200m N.
1984, 1988-93, 1990-94, 1993, 2001, 2003, 2010, 2015, 2025	Construction of detached property with gardens extending over the toe of the former railway embankment.	Construction of existing housing development within the adjacent area.

3.2 Geology

Based on the historic map information and online data available on the BGS website, the geological conditions at the site are summarised below.

<p>Made Ground</p>	<p>In view of the historical and existing usage of the site with agricultural land, railway embankment with underpass (NE edge) and residential dwelling with gardens and hardstandings, it is anticipated that thin made ground will be locally present across the site of up to 1m thickness. In addition, there is the possibility of thicker made ground and relic foundation structures below the NE edge associated with the former railway embankment and underpass structure.</p>
<p>Superficial Geology</p>	<p>The BGS online GeoIndex viewer and 1:10,000 scale map Sheet SE21NW (1999) Solid and Drift Edition, indicates no superficial deposits to underlie the site, with bedrock directly underlying ground level.</p>
<p>Solid Geology</p>	<p>The solid geology is recorded on the BGS map and online GeoIndex viewer to comprise Carboniferous strata of the Pennine Lower Coal Measures Formation comprising interbedded mudstones, siltstones, sandstone and coal seams. The dip of the strata is recorded to be sub-horizontal (approx. 2° south-east).</p> <p>The BGS map indicates 3 No. coal seams within the Carboniferous strata to underlie the site at shallow depth. These include:</p> <ul style="list-style-type: none"> • Unnamed seam recorded to be 0 to 0.9m thick at a depth of 6m bgl. • First Brown Metal Seam recorded to be 0.3 to 0.7m thick at a depth of 24m bgl. • Second Brown Metal Seam/Old Hards Coal to be 0.3 to 0.7m thick at a depth of 36m bgl.
<p>Faults</p>	<p>The nearest geological fault to the site lies approximately 75m NE orientated NNW-SSE with a throw to the ENE.</p>
<p>Quarrying and Mineral Extraction</p>	<p>The historical maps indicate a small quarry occupied the area 105m NW on the opposite bank of the Calder and Hebble Navigation canal to the site. This quarry appears to have remained unfilled to the present day.</p>
<p>Coal Mining</p>	<p>The MRA online map viewer indicates the site to lie within a CA defined coal mining reporting area indicating that the site could be at risk from historic underground coal extraction activities. Therefore an MRA Consultants Coal Mining Report was obtained from the MRA as part of the Coal Mining Risk Assessment (CMRA) undertaken by GVR Geo in November 2025.</p> <p>The CMRA concluded that the site was not at risk of mineral instability at the ground surface due to shallow coal mine workings. For full details, reference should be made to the GVR Geo CMRA.</p>

Mine Gas	The results of the CMRA indicates that the site is underlain by coal seams at depth beneath the site which may have been worked in the past and may present a risk of mine gas emissions. However, the MRA Consultants Coal Mining Report indicates that there are no records of mine gas within 500m and no mine entries within 100m of the site boundary. On this basis, the site is considered to be at low risk from mine gas emissions associated with underground coal workings.
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3.3 Hydrology and Hydrogeology

Water Courses	The nearest surface water feature is the Calder and Hebble Navigation canal located 97m NW of the site. The nearest natural surface water feature is the River Calder located 640m ENE of the site.
WFD Surface Water Body Catchment	The site lies within the following water body catchment: <ul style="list-style-type: none"> • Calder from River Colne to River Chald – Water body ID GB104027062631.
WFD Surface Water Bodies	Calder and Hebble Navigation – Water body ID GB70410521 lies 97m NW of the site. <ul style="list-style-type: none"> • Overall rating – Moderate • Chemical rating – Fail • Ecological rating – Moderate • Year – 2019 Calder from River Colne to River Chald – Water body ID GB104027062631 lies 640m ENE of the site. <ul style="list-style-type: none"> • Overall rating – Moderate • Chemical rating – Fail • Ecological rating – Moderate • Year – 2019
WFD Groundwater Bodies	The site lies within the Aire and Calder Carboniferous Limestone/Millstone Grit/Coal Measures Aquifer. Water body ID GB40402G700400. <ul style="list-style-type: none"> • Overall rating – Poor • Chemical rating – Poor • Quantitative – Good • Year – 2019
Flood Risk	The site lies within an area recorded to be at a negligible risk of surface water flooding and there are no records of flooding from rivers or the sea within 50m of the site. The site does not lie within a Flood Zone 2 or 3. Negligible risk of groundwater flooding at ground surface.

Groundwater Classification	<p><u>Superficial Geology</u> The is no superficial aquifer recorded to underlie the site.</p> <p><u>Solid Geology</u> The bedrock strata underlying the site are designated as a Secondary A Aquifer, i.e. comprising permeable layers capable of supporting supplies at local rather than strategic scale, formerly classified as minor aquifers.</p>
Groundwater Vulnerability	<ul style="list-style-type: none"> • Soil/surface leaching: low. • Superficial geology: none. • Solid geology: medium vulnerability. • Soluble rock risk: no significant soluble rocks beneath the site.
Groundwater Abstractions	9 No. licensed groundwater abstractions within 2000m, located between 1118m and 1975m N and NW of the site, all relating to borehole water supply for industrial purposes.
Licensed Surface Water Abstractions	9 No. licensed surface water abstractions within 2000m, located between 1149m and 1930m N and NW of the site, all relating to extractions from the River Calder for industrial purposes.
Discharge Consents	2 No. within 500m of the site, located 207m and 226m NE relating to sewage discharges to the River Calder and Calder and Hebble Navigation respectively.
Pollution Incidents	7 No. within 500m of the site. The nearest being 237m N and none attributable to the site or to have impacted the site.

3.4 Landfill and Waste Management

Landfill Records	<p>No recent or active landfills recorded within 500m.</p> <p>2 No. historic landfills recorded within 500m.</p> <ul style="list-style-type: none"> • 1 No. 262m SE relating to the infilling of a disused railway cutting with inert commercial waste between 1979 and 1989. • 1 No. 391m NW relating to the infilling of a disused railway cutting with inert, industrial and liquid sludge waste between 1996 and 1999. <p>6 No. historic waste sites within 500m.</p> <ul style="list-style-type: none"> • 4 No. relating to a scrapyards 128m to 143m N. • 1 No. scrapyards 207m NE. • 1 No. ground workings and refuse heap recorded 498m NE.
Other Waste Transfer, Treatment or Disposal	<p>2 No. metal recycling and vehicle storage sites within 500m located 213m N and 278m E.</p> <p>108 No. Waste Management Exemptions within 500m. The nearest being 201m S relating to 49 No. farm waste exemptions. None relating to the site or which would impact the site.</p>

3.5 Industrial Land-use, Environmental Licences, Permits and Registers

Historical Industrial Land Use	151 No. recorded within 500m, the nearest being: <ul style="list-style-type: none"> • Unspecified ground workings 34m SE and 74m NW. • Cuttings 50m to 185m SE. • Unspecified mills 63m NW, 173m W 177m to 183m W. • Unspecified pit 118m NW. • Laundry 199m N.
Recent/current Industrial Land Use	7 No. recorded within 250m including: <ul style="list-style-type: none"> • Vehicle repair, testing, servicing and parts business 212m and 218m N. • Scrap metal merchants 218m N. • Mooring and unloading facility 246m NE.
Recent/current Petrol Stations	None recorded within 500m
Part 2A Designated Contaminated Land	None recorded within 500m
COMAH/Regulated Explosive Sites	None recorded within 500m
Historical IPC Authorisations	None recorded within 500m
Part A (1) and IPPC Authorised Activities	None recorded within 500m
Part A(2)/B Licensed polluted release	4 No. recorded within 500m: <ul style="list-style-type: none"> • 227m N relating to a waste oil burner. • 325m n relating to the use of cement. • 371m NE timber manufacturer. • 384m N relating a printing permit.
Red List Discharge Consents (potentially harmful discharges to controlled waters)	None recorded within 500m
List 1 and List 2 Dangerous Substances Inventory Sites	None recorded within 500m

3.6 Radon

The Groundsure report assesses radon risk using data supplied by Public Health England along with BRE Document 'BR 211 – Radon: Guidance on the Protective Measures for New Dwellings' which

indicates that the site lies within an area where less than 1% of properties are above the action level. On this basis, no radon protective measures are currently required.

3.7 Environmental Receptors

<p>Designated Sites: SSSI, RAMSAR, SAC, SPA, NNR, LNR etc.</p>	<p>1 No. LNR recorded within 2000m:</p> <ul style="list-style-type: none"> • 434m NE – Sparrow Wood recorded by Natural England.
<p>Other Relevant Environmental Receptors</p>	<p>2 No. Designated ancient woodlands recorded within 2000m:</p> <ul style="list-style-type: none"> • 926m SE – Thornhill Rectory Park. • 1868m W – Priest Royd Wood.

4.0 Conceptual Site Model

4.1 Background

This assessment is designed to meet the requirements for preliminary environmental risk assessment as detailed within the 'Land contamination: risk management' (LCRM, Environment Agency, 2022) and 'Guidance for the Safe Development of Housing on Land Affected by Contamination' (R&D Publication 66: 2008). The latter guidance is particularly focussed on the development of housing on land affected by contamination and/or pollution. However, the advice is generally applicable to other forms of development and to sites where no development is proposed.

Risk to human health or environmental receptors is based on an assessment of one or more source-pathway-receptor linkages. The contaminant/pollutant 'source' is any substance which has the potential to cause significant harm to a relevant receptor and the 'pathway' is any route by which the contaminant/pollutant may travel to impact on a 'receptor'.

The Conceptual Site Model (CSM) summarises the principal contaminant/pollutant sources, pathways and receptors for this site and the likelihood of the existence of a plausible contaminant/pollutant linkage. The assessment is based on the proposed end use of 'residential with homegrown produce'.

4.2 Contaminants of Concern

The site history, as primarily agricultural land prior to construction of the existing property and adjacent housing estate, is considered to present a negligible to low risk for potential historical contaminative land use. However, the north eastern edge of the site lies within an area formerly occupied by a railway embankment with an underpass structure which present a low to moderate risk for potential historical contaminative land use. The following contaminants of concern require further assessment works in this area of the site:

- Polyaromatic hydrocarbons (PAHs), heavy metals, water soluble sulphates.
- Asbestos containing materials (ACMs) and dispersed asbestos fibres.

4.3 Ground/Mine Gas Risk

The site is not recorded to be within 250m of any known or recorded landfill or infilled mineral extraction sites, therefore, ground gas is considered to present a low risk to the proposed development.

Based on the available information, the depth to underground coal mine workings and in view that there are no records of mine gas within 500m and no mine entries within 100m of the site respectively, it is considered that there is a low risk of the site being affected by mine gas.

No mitigation measures are considered necessary regarding landfill, ground gas or mine gas emissions at this site.



4.4 Phase 1 CSM and Preliminary Environmental Risk Assessment

The significance of the potential source-pathway-receptor linkages identified in the CSM is assessed using the following criteria:

Low Risk

Not likely to cause significant harm to human health or controlled waters. Remedial measures are unlikely to be required.

Moderate Risk

Possible significant harm to human health or controlled waters could occur depending on site specific circumstances. Remedial measures may be required.

High Risk

It is likely that significant harm to human health or controlled waters will occur unless appropriate remedial measures are incorporated into the development.



Conceptual Site Model and Preliminary Environmental Risk Assessment

Source	Pathway	Receptor	Contaminant Linkage: Assessed Risk
Human Health			
Potential contaminants within the made ground on site: PAHs, heavy metals, water soluble sulphates and asbestos. (NE margins of site boundary area only)	Direct contact and ingestion/inhalation of contaminated soil and dust.	Construction workers	Low to Moderate Mitigated by controlled removal of any proven significant contaminants prior to construction. Use of appropriate PPE and good site hygiene practice during construction.
	Direct contact and ingestion/inhalation of contaminated soil and dust.	End users	Moderate Mitigated by controlled removal of any proven significant contaminants, or provision of a barrier (e.g. cover soils) prior to end-use in this area of the site.
Off-site sources of soil or groundwater contaminants.	Migration of contaminants in the adjacent land on to site via windblown dust, leaching of surface water run-off and groundwater migration on to site and direct contact and ingestion/inhalation of contaminated soil	End users	Low Unlikely due to the lack of a potential significant nearby off-site contaminant source and due lack of a shallow groundwater table and surface water run-off controlled by existing housing estate drainage restricting leaching and migration on to site. No mitigation anticipated.
Ground gas migration from off-site sources. Mine gas migration from deep underground mine workings.	Migration on to site through fissures in bedrock and/or soils and accumulation in confined spaces and inhalation.	End users	Low Unlikely due to no nearby landfills or infilled ground within the site or outlying area. No mitigation anticipated. Low Unlikely due to the depth of any workings beneath the site, and as no mine gas has been recorded within 500m of the site and no mine entries are recorded within 100m of the site. No mitigation anticipated.



Source	Pathway	Receptor	Contaminant Linkage: Assessed Risk
Controlled Waters			
Contaminant leaching from made ground on site.	Vertical and lateral migration to controlled waters.	<p>Calder and Hebble Navigation (Canal)</p> <p>Secondary A Aquifer (Coal Measures Strata)</p>	<p>Low No significant leachable contaminants anticipated on site and in view of the receptor distance from the site, no contaminant linkage is likely. No mitigation anticipated.</p> <p>Low No significant leachable contaminants are anticipated on site and aquifer located in an area of underground coal extraction is likely to be of low sensitivity. No mitigation anticipated.</p>

5.0 Conclusions and Recommendations

The following assessment should be considered as preliminary until it can be verified by a targeted ground investigation for the proposed development. The investigation will acquire environmental data on the potential contaminants on site and geotechnical data necessary for engineering design.

5.1 Foundation Design and Construction

The proposed foundation solution should be based on the existing foundation design to restrict any potential unacceptable total and differential settlements. The suitability of the existing foundations to withstand the loads of the altered building loads should be assessed by a Structural Engineer.

5.2 Contaminants of Concern and Remediation

The presence or not of potential contaminants of concern in the soft landscaped/garden area only (topsoil, subsoil and any made ground) within the north east corner of the site should be assessed by sample analysis and risk assessment to determine their suitability for use within the existing gardens and the impact to current or future owners/occupiers. Following this, remediation mitigation measures can be considered, if required.

5.3 Recommendations for Ground Investigation

To establish the environmental risk, based on the findings of the CSM, the following ground investigation works are recommended:

- Excavation of hand excavated inspection pits within the north east boundary garden area to obtain soil samples of the topsoil and any made ground to allow determination of the presence of potential contaminants of concern.
- Chemical laboratory testing of soils for the potential contaminants of concern listed in section 4.2 to allow a generic quantitative risk assessment to be carried out against 'residential with homegrown produce' end-use criteria.
- Factual and interpretive report, providing recommendations for remedial actions, if required, to allow the safe redevelopment of the site.



Appendix A

Drawings



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Job: G-25-038

Title: 14 Thornhill Park Avenue,
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Clients: Advant Consulting Group Ltd
and Mr Amir.

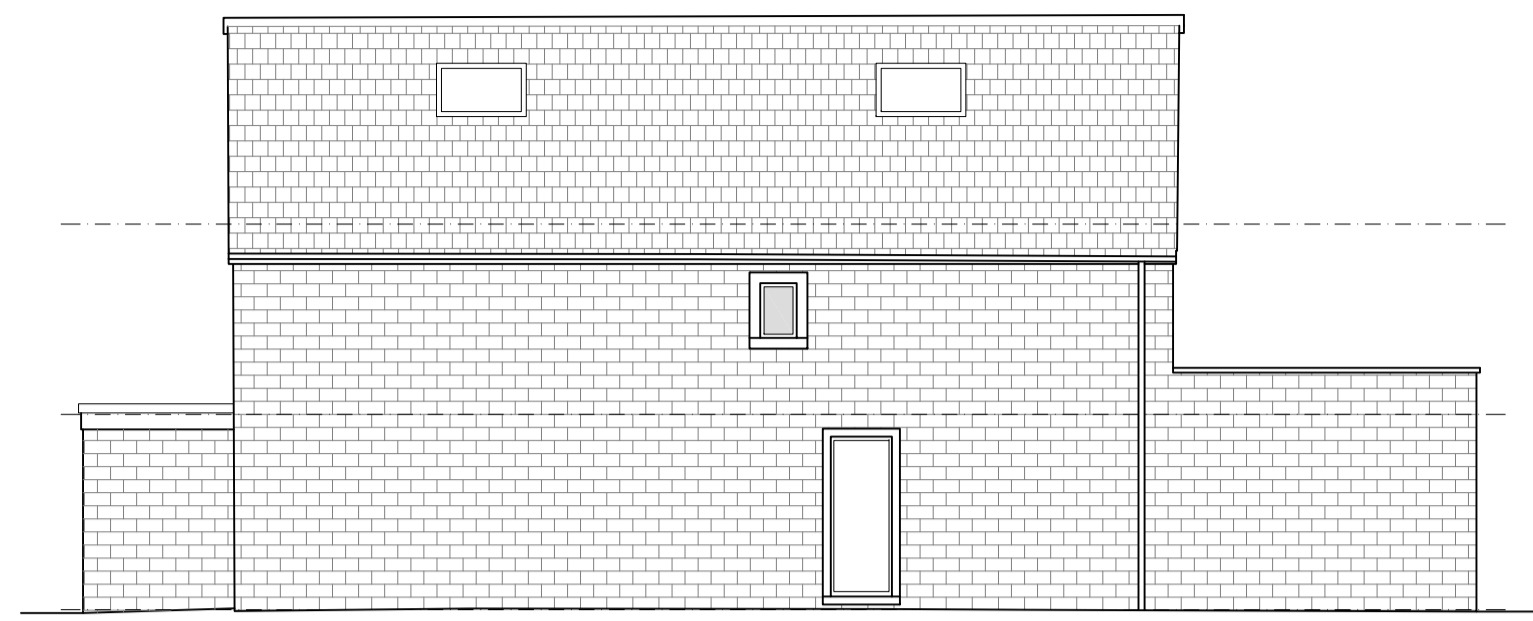
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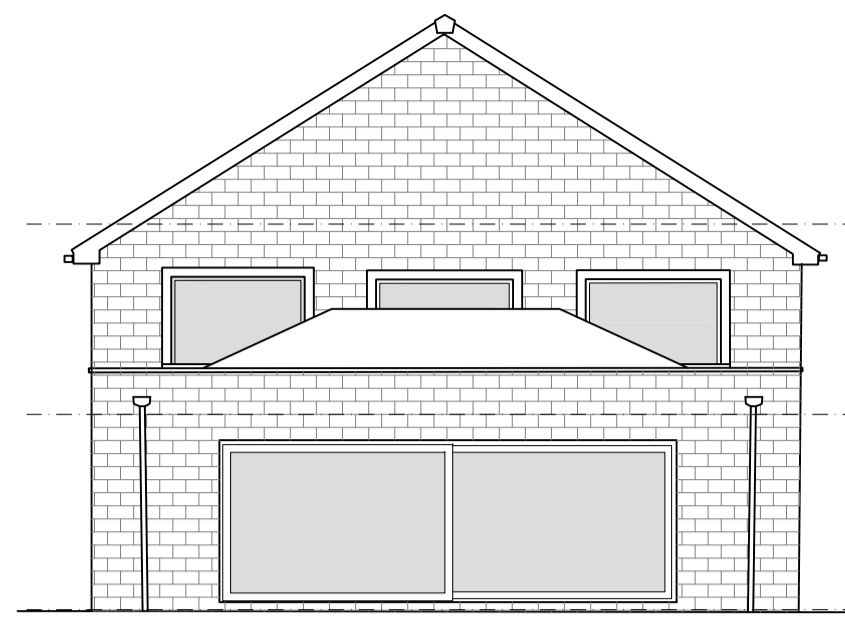
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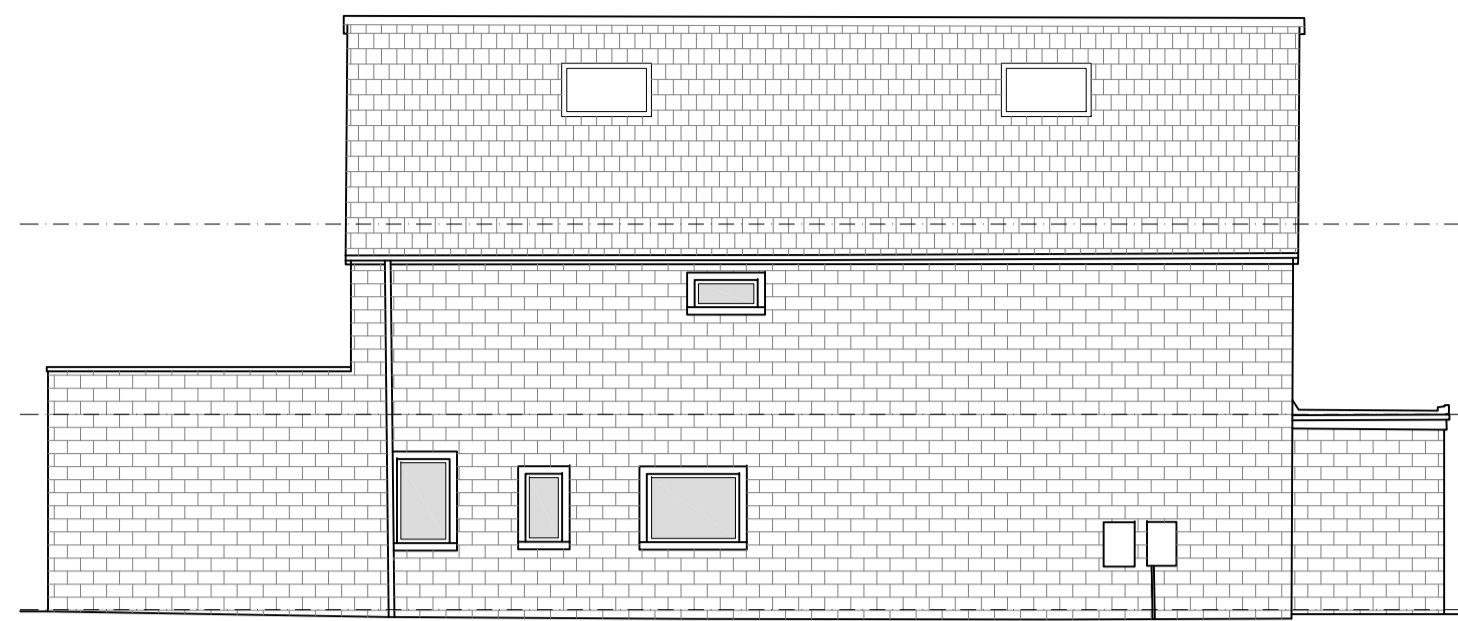
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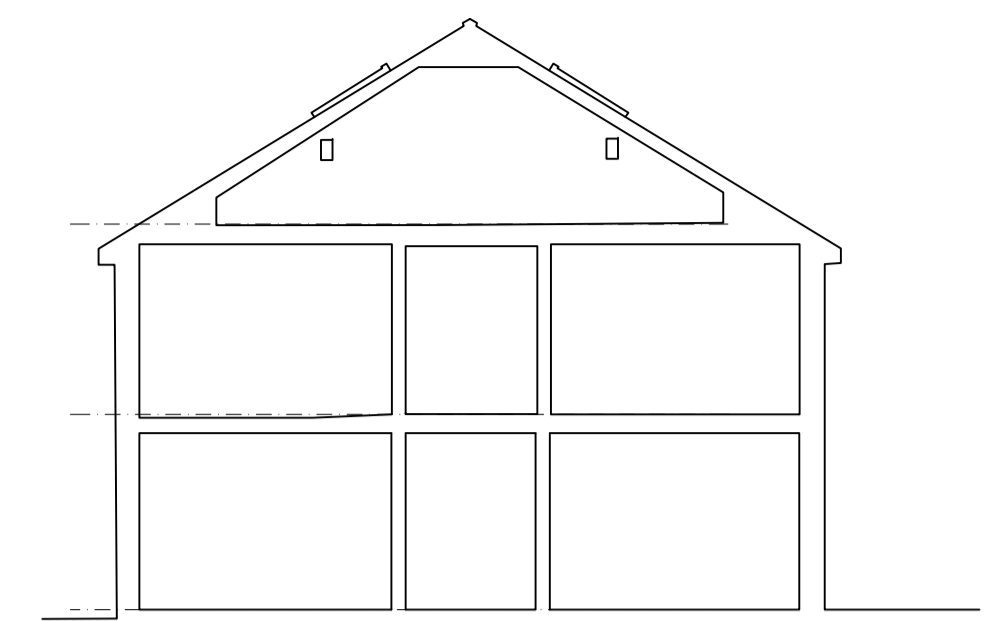
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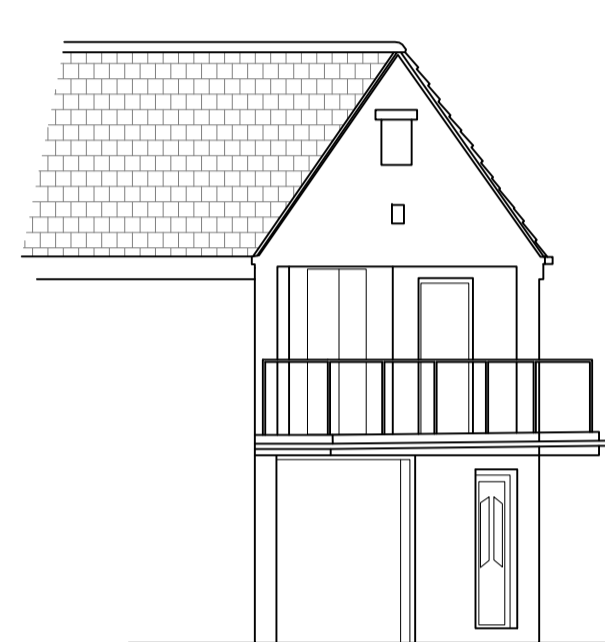
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Side elevation



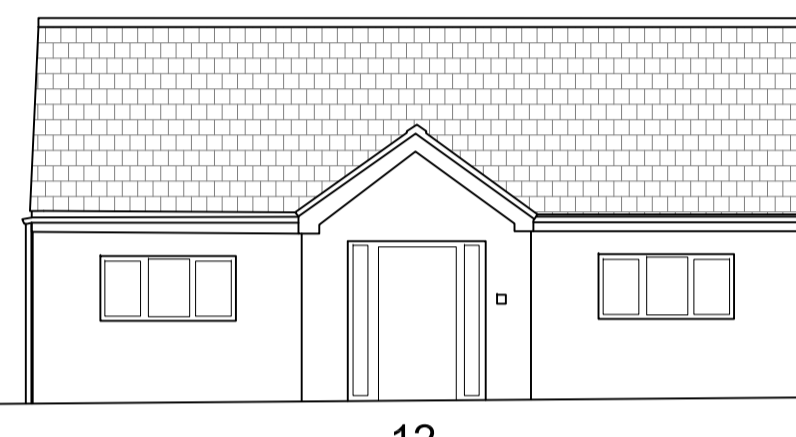
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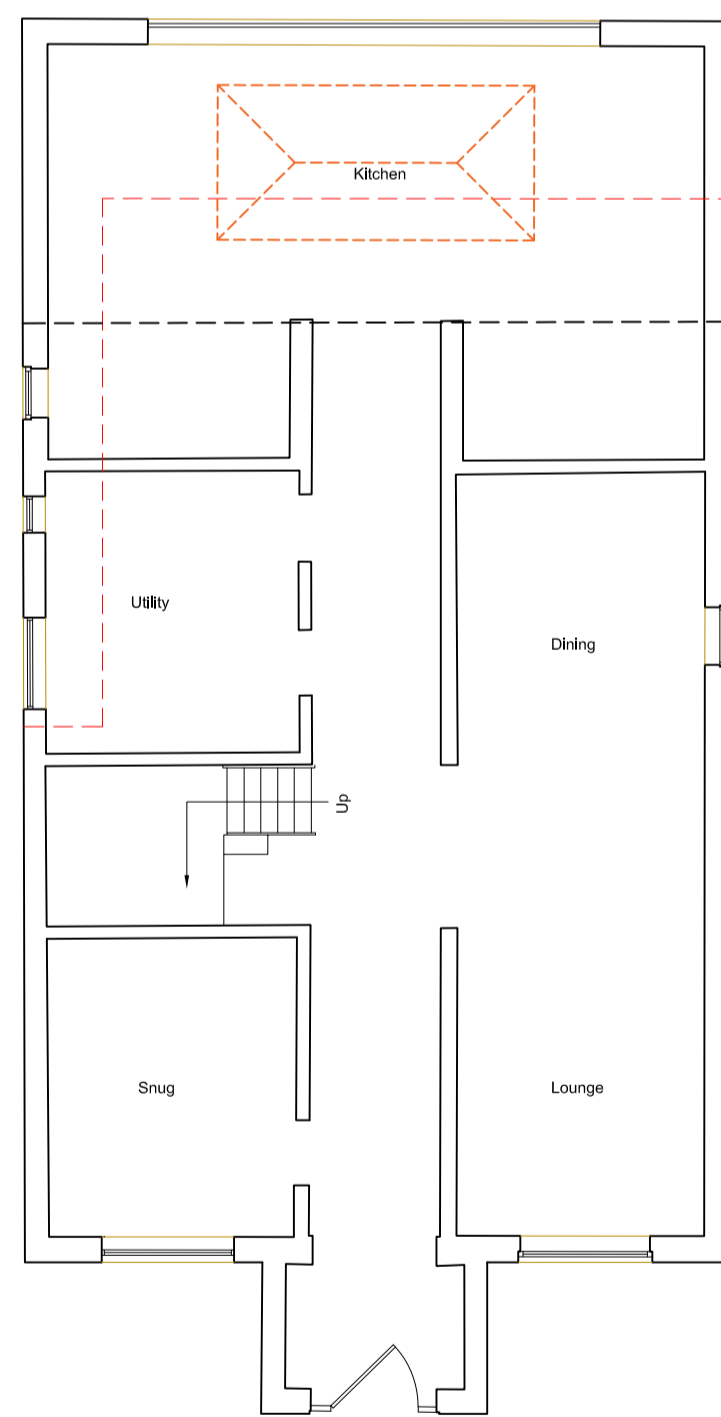
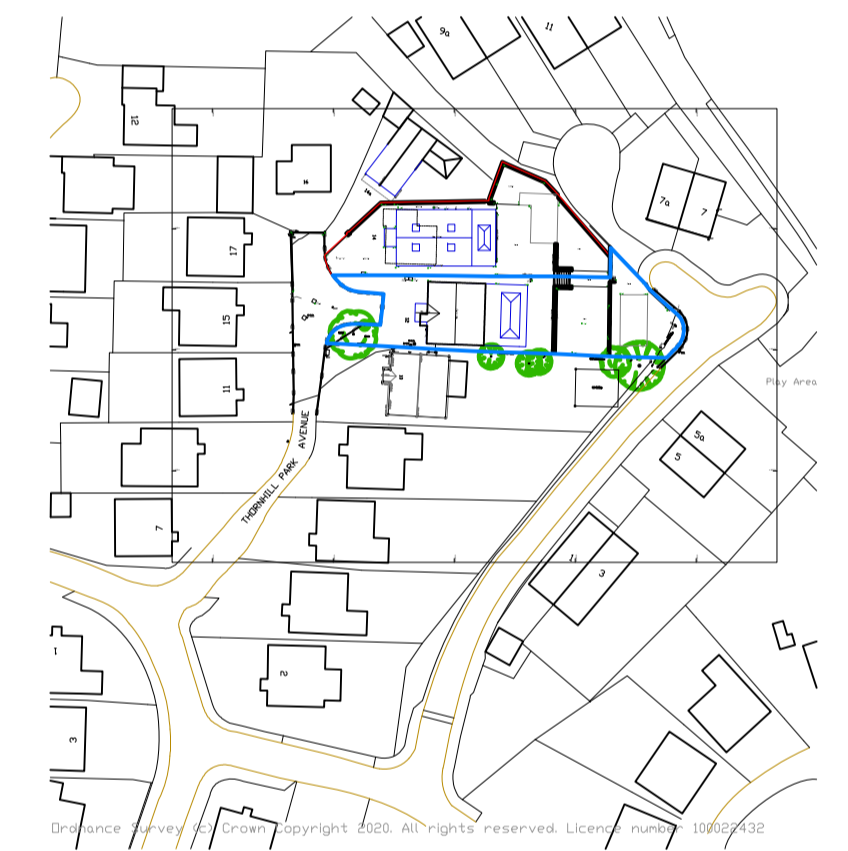
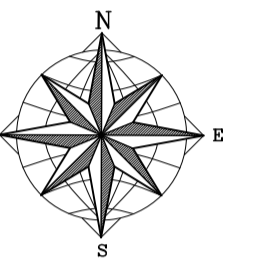


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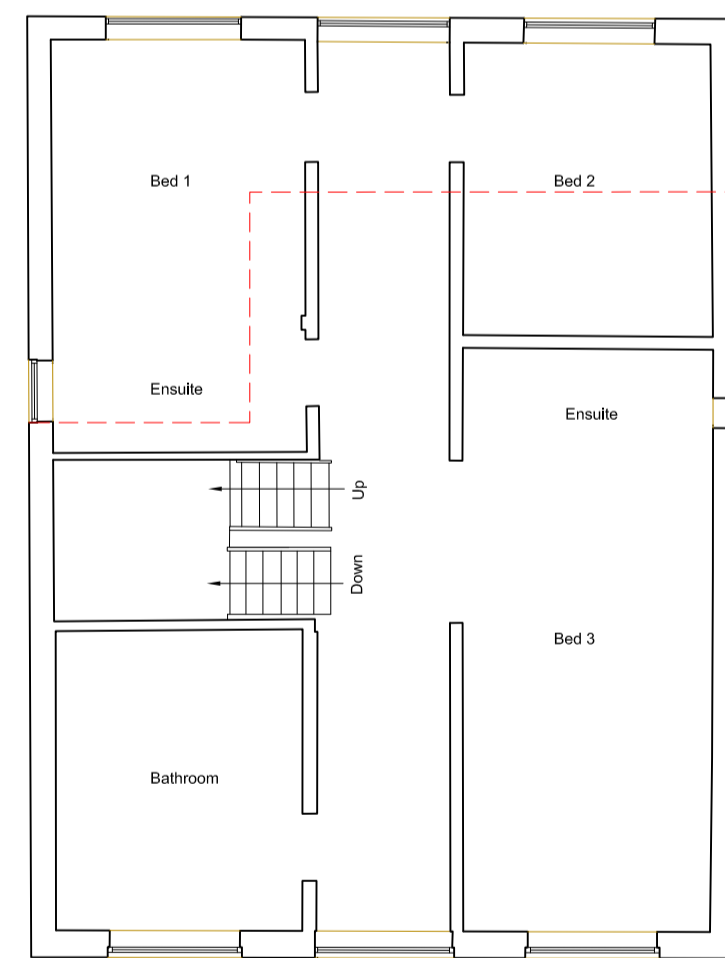


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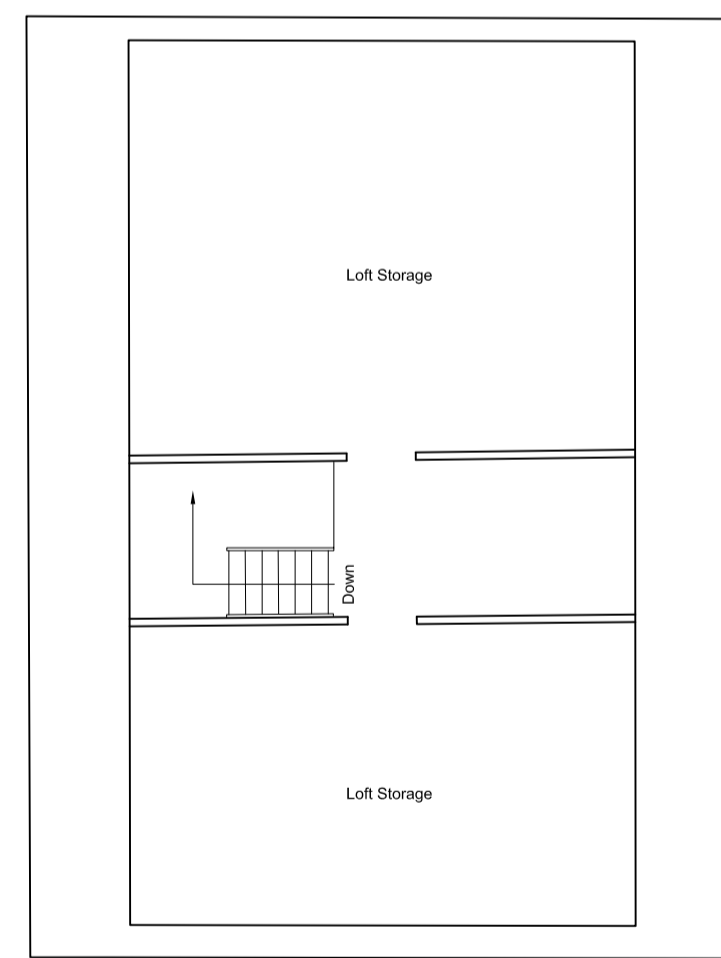
Street Scene - Thornhill Park Avenue



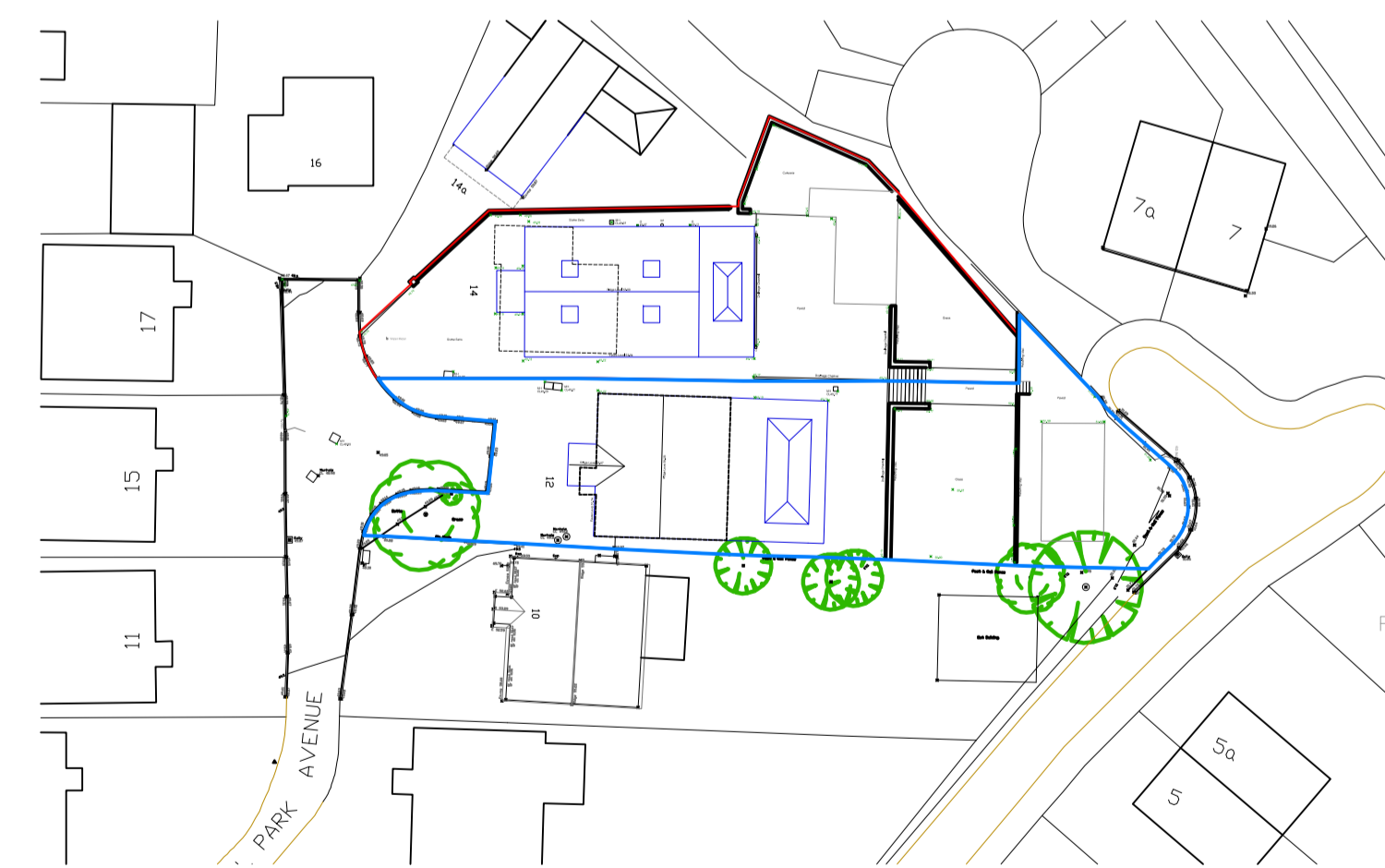
Ground Floor Plan



First Floor Plan



Second Floor Plan



Block Plan 1:500

LOCATION PLAN 1:1250

DO NOT USE THIS DRAWING FOR CONSTRUCTION OR TENDER, DETAILED BUILDING REGULATION DRAWINGS AND STRUCTURAL DESIGN CALCULATIONS TO FOLLOWING APPROVED BUILDING INSPECTOR PRELIMINARY



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DK Architects, Suite 4, Batley Business Park, Technology Drive, Batley, WF17 6ER

PROJECT: EXTENSIONS AND ALTERATIONS TO DWELLING

ADDRESS: 14 THORNHILL PARK AVENUE DEWSBURY WF12 0DA

DRG: EXISTING PLANS & ELEVATIONS

STATUS: PLANNING APPLICATION subject to approval

DATE: 3.11.25 DRAWN: AHD
SCALE: 1:50,100, 1250 CHECKED: ANK
SIZE: A1 DRG NO: 25.2796.01A

INDICATIVE PLAN FOR DESIGN CONSIDERATION PURPOSES ONLY. SUBJECT TO APPROVALS, DETAILED DESIGN AND STRUCTURAL CALCULATIONS. DO NOT USE FOR CONSTRUCTION

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ALL PLANS ISSUED MARKED PRELIMINARY DO NOT CONSTITUTE INSTRUCTION TO PROCEED WITH WORKS ON SITE AND ARE PROVIDED FOR DESIGN CONSIDERATION. ALL WORKS CARRIED OUT ON SITE SHOULD FOLLOW THE PLANNING APPROVAL, DRAWINGS AND CONDITIONS ATTACHED AND THE BUILDING REGULATION APPROVED PLANS, STRUCTURAL ENGINEERS REPORT/CALCULATIONS AND ANY CONDITIONS ATTACHED.

CLIENT TO ENSURE ALL INFORMATION / STATUTORY PERMISSIONS / APPROVAL DOCUMENTS ARE PROVIDED TO THE CONTRACTOR EXECUTING THE SITE WORKS. ALL WORKS TO BE INSPECTED AND TO THE APPROVAL OF THE BUILDING INSPECTOR. ENSURE YORKSHIRE WATER INSPECTOR APPROVAL/SITE VISIT FOR ALL WORKS CARRIED OUT TO OR NEAR PUBLIC DRAINS OR GRANS IN RESPECT TO YWA DESIGNATED INTEREST.

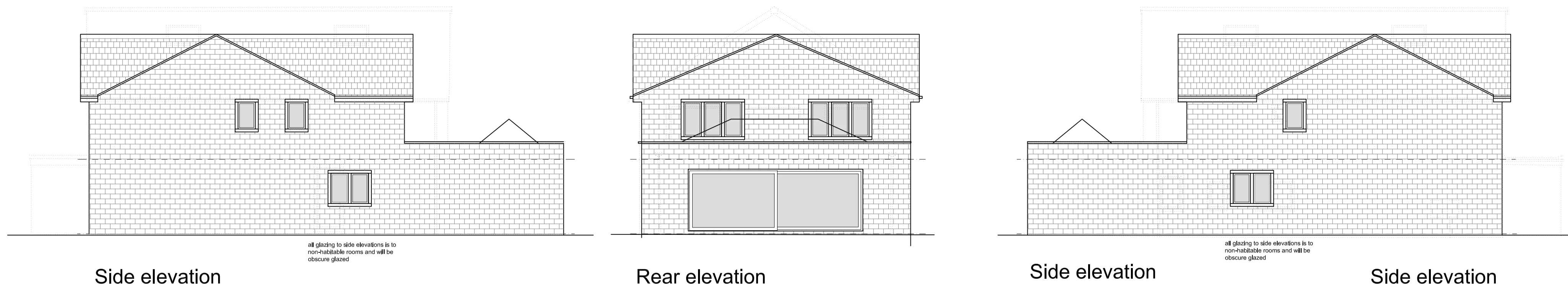
CLIENT TO ENSURE ALL PROPOSED WORKS ARE BUILT ON AND OVER OWN LAND; ENSURE FOUNDATION SPREAD AND SAVES OVERHANG DO NOT PROJECT OVER ADJACENT LAND OWNERSHIP. IF IN DOUBT CONSULT NEIGHBOUR AND OBTAIN LEGAL ADVICE.

ALL DETAILS SHOWN ON THE DRAWINGS ARE INDICATIVE DUE TO NATURE OF WORKING WITH EXISTING BUILDINGS, SUBJECT TO SITE OPENING UP AND SETTING OUT. CONFIRM ALL SIZES AND DIMENSION TO DKA. ALL DIFFERENCE, UNUSUAL OR DIFFERING DETAILS TO BE REPORTED TO DKA FOR FURTHER GUIDANCE.

CDM REGULATIONS - THE CLIENT & CONTRACTOR MUST ABIDE BY THE CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS 2015 WHICH RELATE TO ANY BUILDING WORKS WHICH: (A) LASTS LONGER THAN 30 WORKING DAYS AND HAS MORE THAN 20 WORKERS WORKING SIMULTANEOUSLY AT ANY POINT IN THE PROJECT, OR (B) EXCEEDS 500 PERSON DAYS. PLEASE REFER TO [HTTP://WWW.HSE.GOV.UK/CDM/CDM15/HTM](http://www.hse.gov.uk/cdm/cdm15.htm) FOR GUIDANCE AND COMPLIANCE. FOR THE CDM REGULATION THE CLIENT WILL BE EMPLOYING ONE CONTRACTOR AND DKA RESPONSIBILITY FOR THE PROJECT WILL BE FOR THE DESIGN ONLY AND DOES NOT INCLUDE ANY PROJECT MANAGEMENT.

THE CLIENT & THE CONTRACTOR IS REMINDED OF THE PARTY WALL ACT 1996 AND TO APPOINT / OBTAIN SEPARATE LEGAL ADVICE FROM A PARTY WALL SURVEYOR TO ENSURE COMPLIANCE WITH THE LAW. NOTICES MAY REQUIRE SERVING ON THE ADJACENT OWNER/S PRIOR TO COMMENCEMENT. ENSURE NEIGHBOURS CONSENT IS OBTAINED WHERE WORKS ARE CARRIED OUT TO PARTY WALLS, PARTY FENCE WALLS, EXCAVATIONS ETC. APPOINTED PARTY WALL SURVEYOR TO FULLY ADVISE.

DK ARCHITECTS ARE NOT APPOINTED AS 'PRINCIPAL DESIGNERS' ROLE UNDER THE CDM HEALTH AND SAFETY REGULATIONS FOR THIS PROJECT. REFER TO CLIENT FOR FORMAL APPOINTMENT ROLES.



Side elevation

Rear elevation

Side elevation

Side elevation

NO CONSTRUCTION WORK SHOULD COMMENCE UNTIL PLANNING PERMISSION, BUILDING REGULATION APPROVAL, YORKSHIRE WATER H4 CONSULTATION (WHERE APPLICABLE) APPROVALS HAVE BEEN OBTAINED IN WRITING.

ALL PLANS ISSUED MARKED PRELIMINARY DO NOT CONSTITUTE INSTRUCTION TO PROCEED WITH WORKS ON SITE AND ARE PROVIDED FOR DESIGN CONSIDERATION. ALL WORKS CARRIED OUT ON SITE SHOULD FOLLOW THE PLANNING APPROVAL DRAWINGS AND CONDITIONS ATTACHED AND THE BUILDING REGULATION APPROVED PLANS, STRUCTURAL ENGINEER'S REPORT/CALCULATIONS AND ANY CONDITIONS ATTACHED.

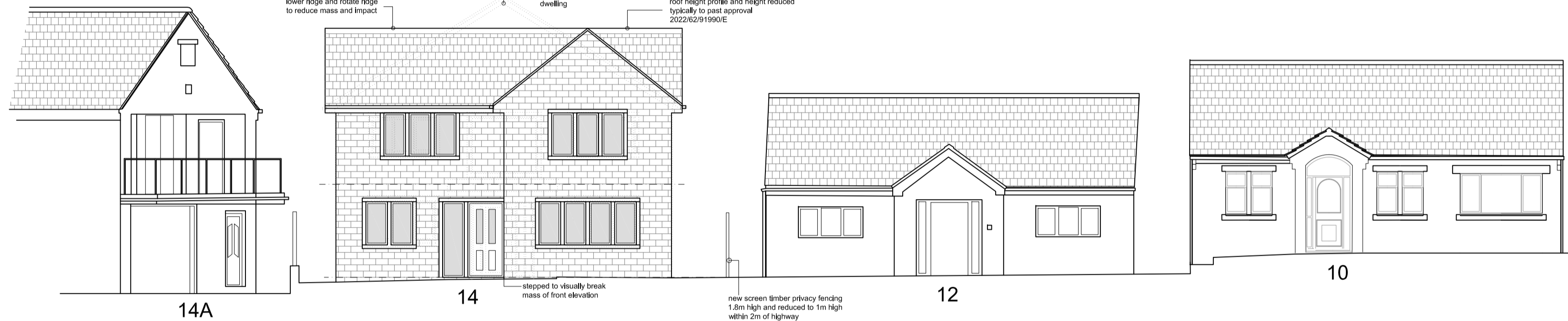
CLIENT TO ENSURE ALL INFORMATION/ STATUTORY PERMISSIONS /APPROVAL DOCUMENT ARE PROVIDED TO THE CONTRACTOR EXECUTING THE SITE WORKS. ALL WORKS TO BE INSPECTED AND TO THE APPROVAL OF THE BUILDING INSPECTOR. ENSURE YORKSHIRE WATER INSPECTOR APPROVAL/SITE VISIT FOR ALL WORKS CARRIED OUT TO OR NEAR PUBLIC DRAINS OR DRAINS IN RESPECT TO 'WA' DESIGNATED INTEREST.

CLIENT TO ENSURE ALL PROPOSED WORKS ARE BUILT ON AND OVER OWN LAND, ENSURE FOUNDATION SPREAD AND EAVES OVERHANG DO NOT PROJECT OVER ADJACENT LAND OWNERSHIP. IF IN DOUBT CONSULT NEIGHBOUR AND OBTAIN LEGAL ADVICE.

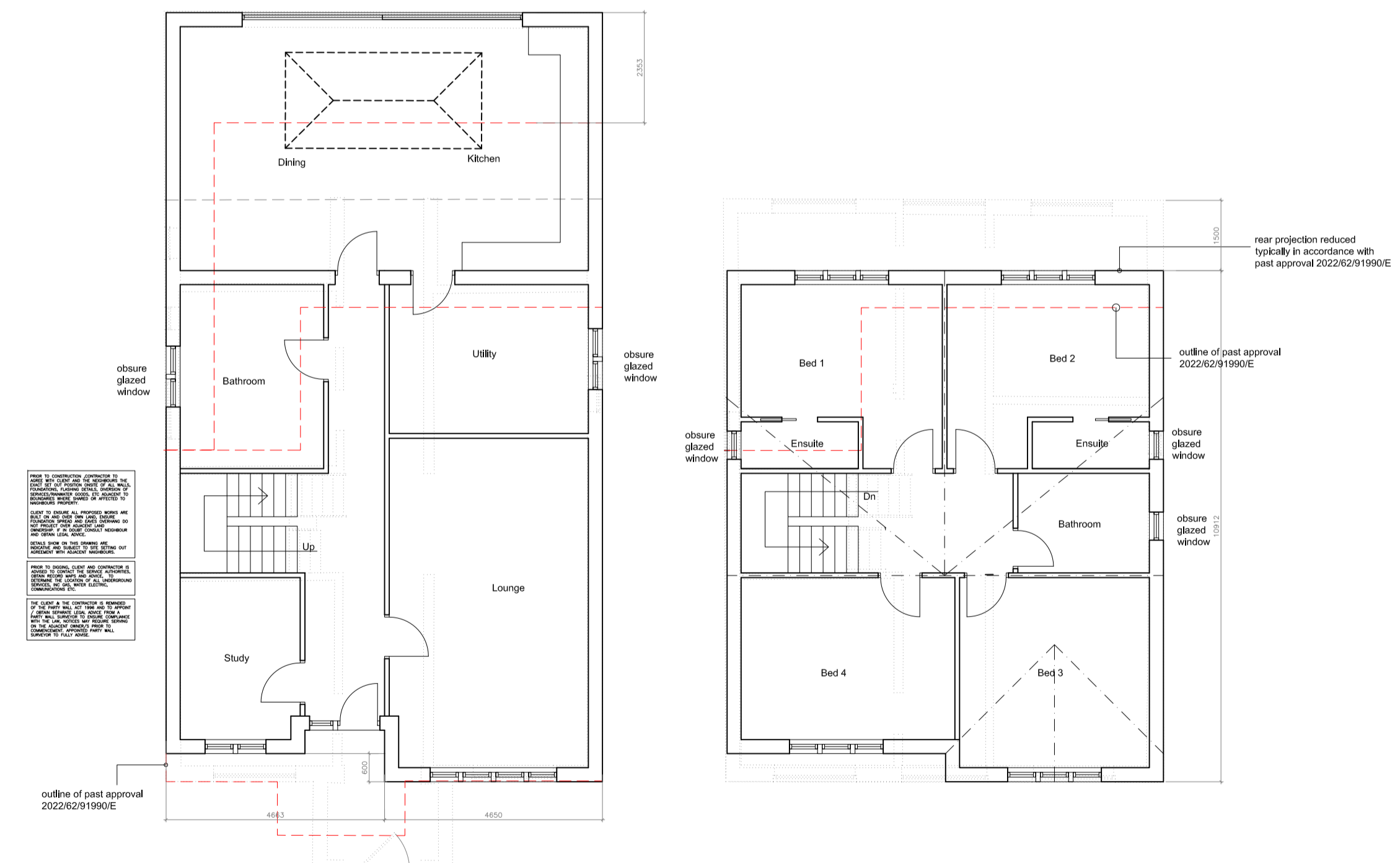
ALL DETAILS SHOWN ON THE DRAWINGS ARE INDICATIVE DUE TO NATURE OF WORKING WITH EXISTING BUILDINGS, SUBJECT TO SITE OPENING UP AND SETTING OUT. CONFIRM ALL SIZES AND DIMENSION TO DKA. ALL DIFFERENCE, UNUSUAL OR DIFFERING DETAILS TO BE REPORTED TO DKA FOR FURTHER GUIDANCE.

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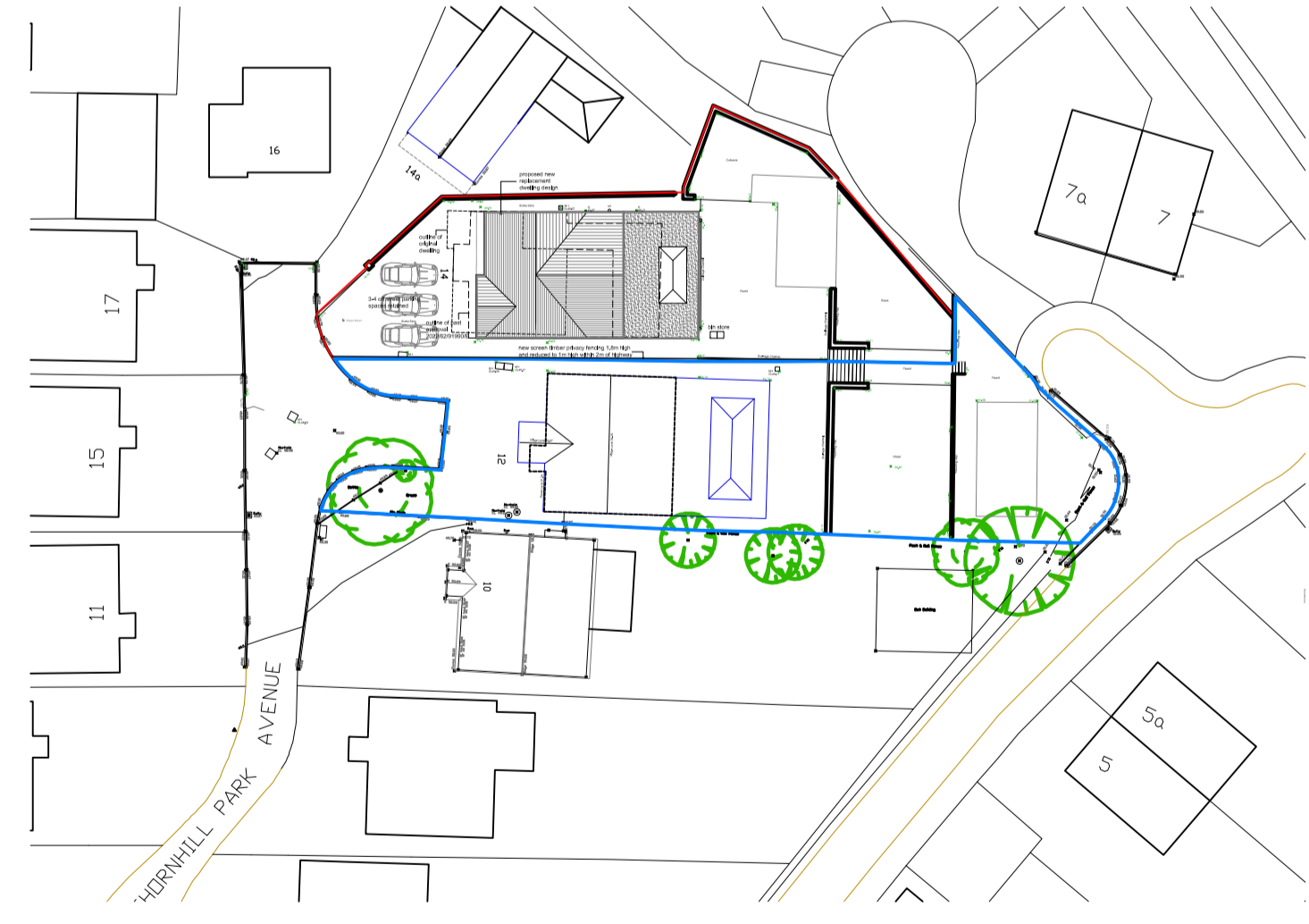


Front Elevation Street Scene - Thornhill Park Avenue



Ground Floor Plan

First Floor Plan



Block Plan 1:500

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 e info@dkarchitects.net
 w dkarchitects.net

DK Architects, Suite 4, Batley Business Park, Technology Drive, Batley, WF17 6ER

PROJECT: EXTENSIONS AND ALTERATIONS TO DWELLING
ADDRESS: 14 THORNHILL PARK AVENUE DEWSBURY WF12 0DA
DRG: PROPOSED PLANS & ELEVATIONS
STATUS: PLANNING APPLICATION subject to approval
DATE: 3.11.25 SCALE: 1:50,100, 1250 SIZE: A1
DRAWN: AHD CHECKED: ANK DRG NO: 25.2796.02A
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Appendix B
Historical Maps

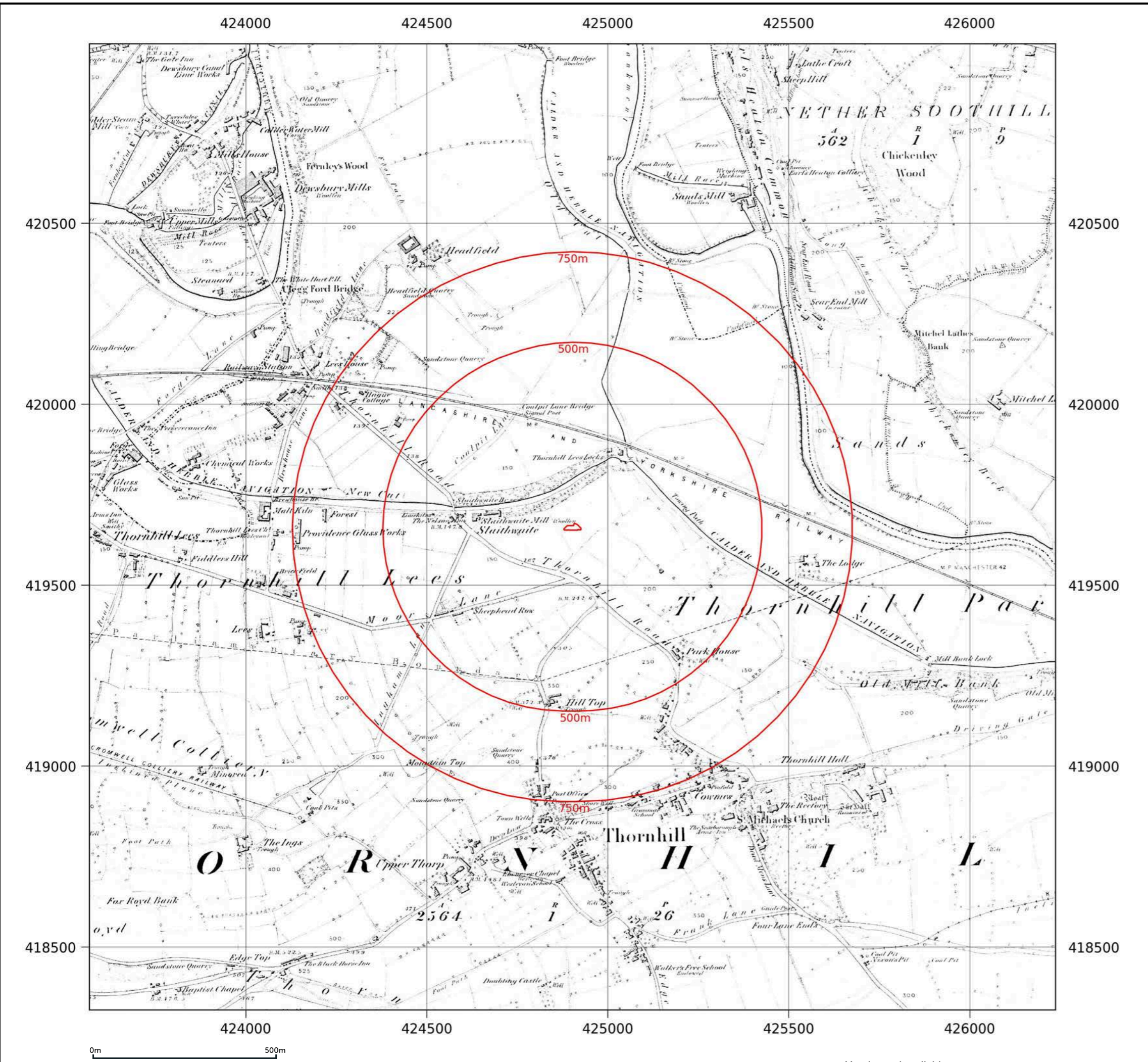
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Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: County Series
Map date: 1855
Scale: 1:10,560
Printed at: 1:10,560



Date: 1855
 Surveyed: 1851
 Edition: 1855

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info@groundsure.com
 01273 257 755



Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: County Series
Map date: 1892
Scale: 1:10,560
Printed at: 1:10,560



Date: 1892
 Surveyed: 1892
 Revised: 1892

Date: 1892
 Surveyed: 1892
 Revised: 1892

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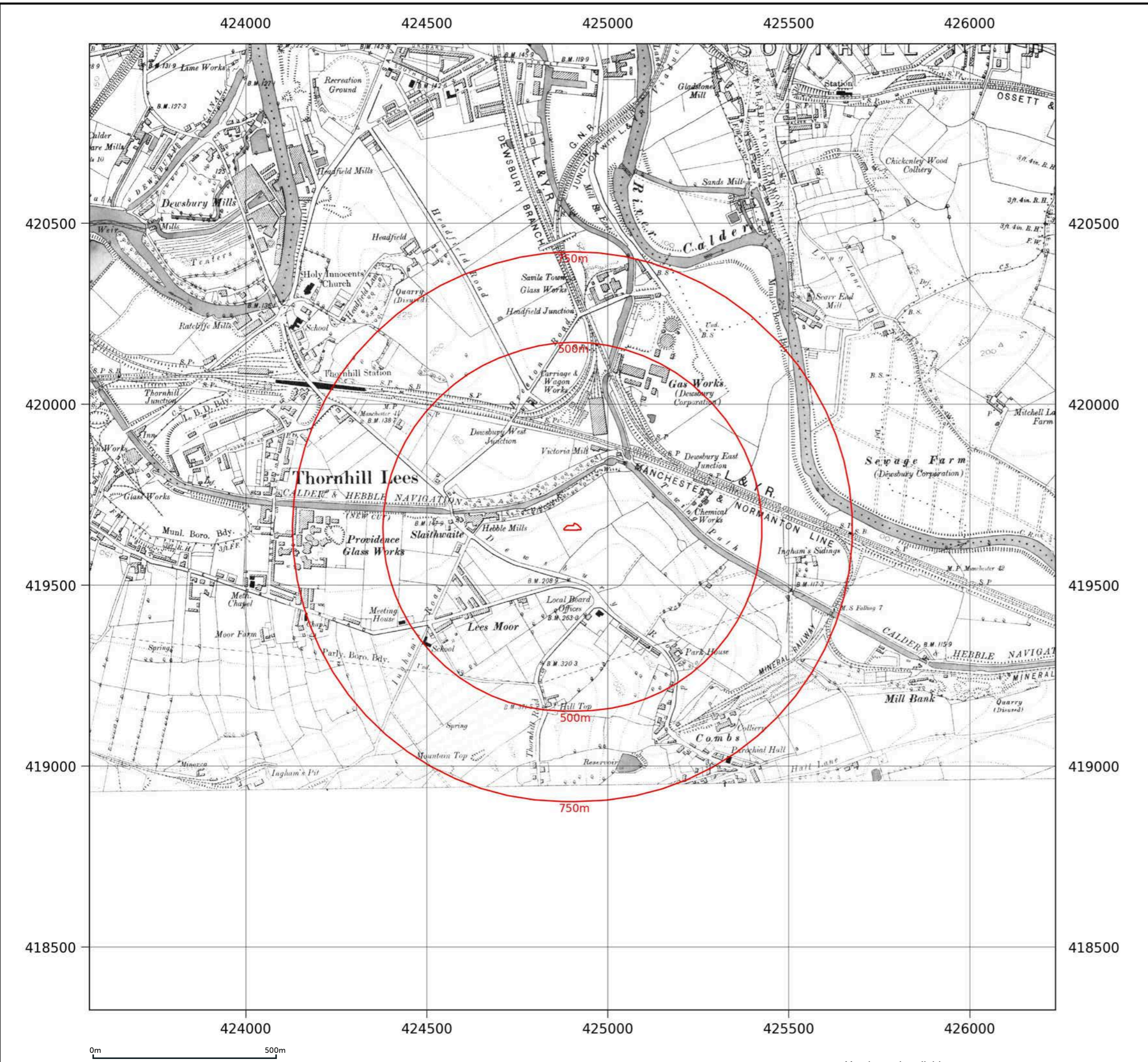
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Report ref:	GS-Z3J-85Q-FM6-SJV
Grid ref:	424903.5, 419658.74
Production date:	19 February 2026

Map name:	County Series
Map date:	1894
Scale:	1:10,560
Printed at:	1:10,560



Date: 1894
Surveyed: 1892
Edition: 1894

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: County Series
Map date: 1905
Scale: 1:10,560
Printed at: 1:10,560



Date: 1905	
Surveyed: 1892	
Revised: 1905	
Date: 1905	
Surveyed: 1892	
Revised: 1905	

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: County Series
Map date: 1931
Scale: 1:10,560
Printed at: 1:10,560



Date: 1931
 Surveyed: 1851
 Revised: 1931

Date: 1931
 Surveyed: 1851
 Revised: 1931

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: County Series
Map date: 1938
Scale: 1:10,560
Printed at: 1:10,560



Date: 1938
 Surveyed: 1851
 Revised: 1938
 Levelled: 1931

Date: 1938
 Surveyed: 1851
 Revised: 1938
 Edition: 1938

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: County Series
Map date: 1938
Scale: 1:10,560
Printed at: 1:10,560



Date: 1938
 Surveyed: 1851
 Revised: 1938
 Edition: 1938

Date: 1938
 Surveyed: 1849
 Revised: 1938
 Levelled: 1931

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: County Series
Map date: 1948
Scale: 1:10,560
Printed at: 1:10,560



Date: 1948
 Surveyed: 1851
 Revised: 1948

Date: 1948
 Surveyed: 1851
 Revised: 1948

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: Provisional
Map date: 1951-1955
Scale: 1:10,560
Printed at: 1:10,560



Date: 1955 Surveyed: 1951 Revised: 1955	
Date: 1951 Surveyed: 1951 Revised: 1951	Date: 1955 Revised: 1955

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Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

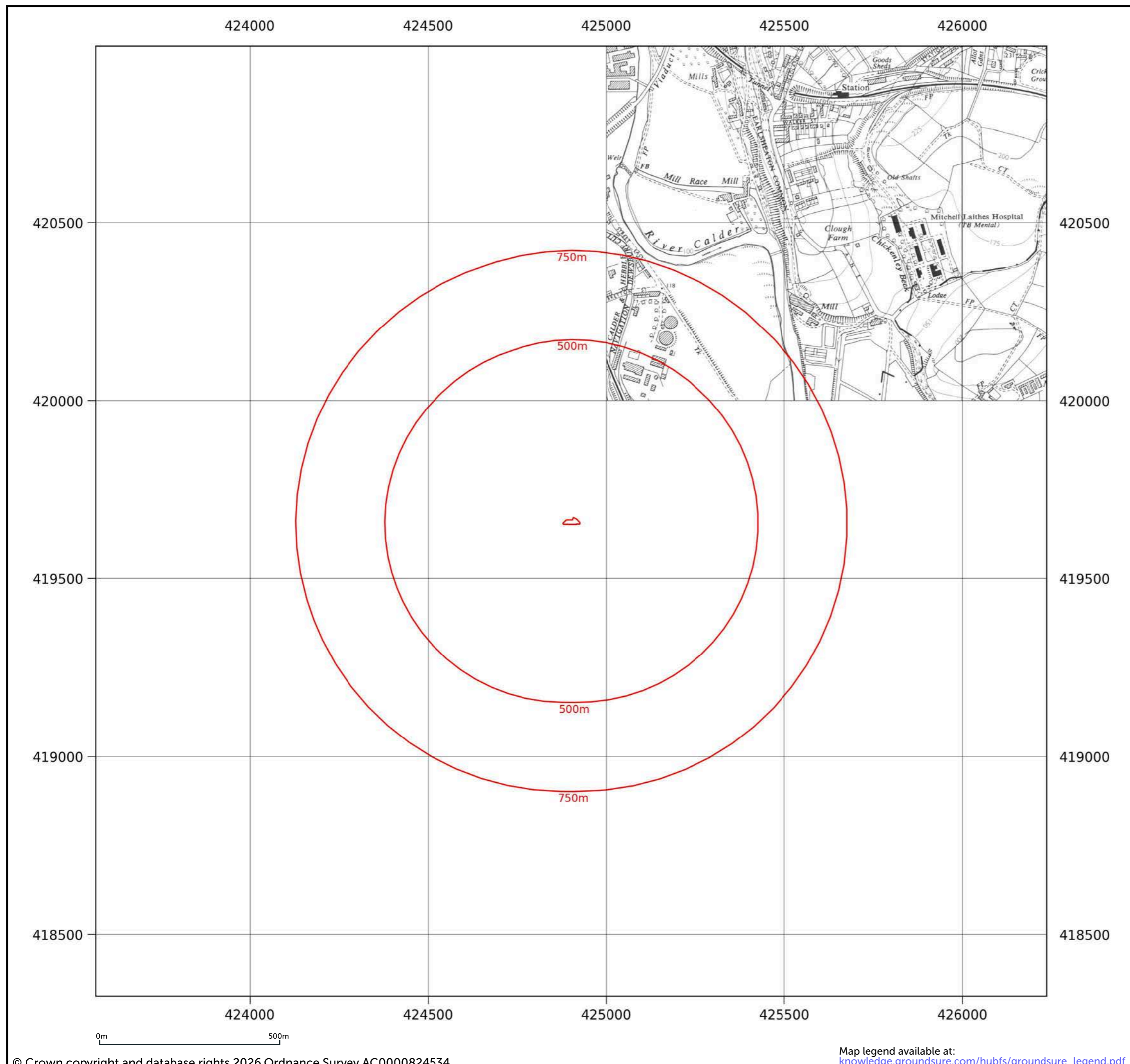
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Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: Provisional
Map date: 1957
Scale: 1:10,560
Printed at: 1:10,560



Date: 1957
 Surveyed: 1957
 Revised: 1957

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: Provisional
Map date: 1966-1967
Scale: 1:10,560
Printed at: 1:10,560



Date: 1967
 Surveyed: 1967
 Revised: 1967

Date: 1966
 Surveyed: 1966
 Revised: 1966

Date: 1966
 Surveyed: 1966
 Revised: 1966

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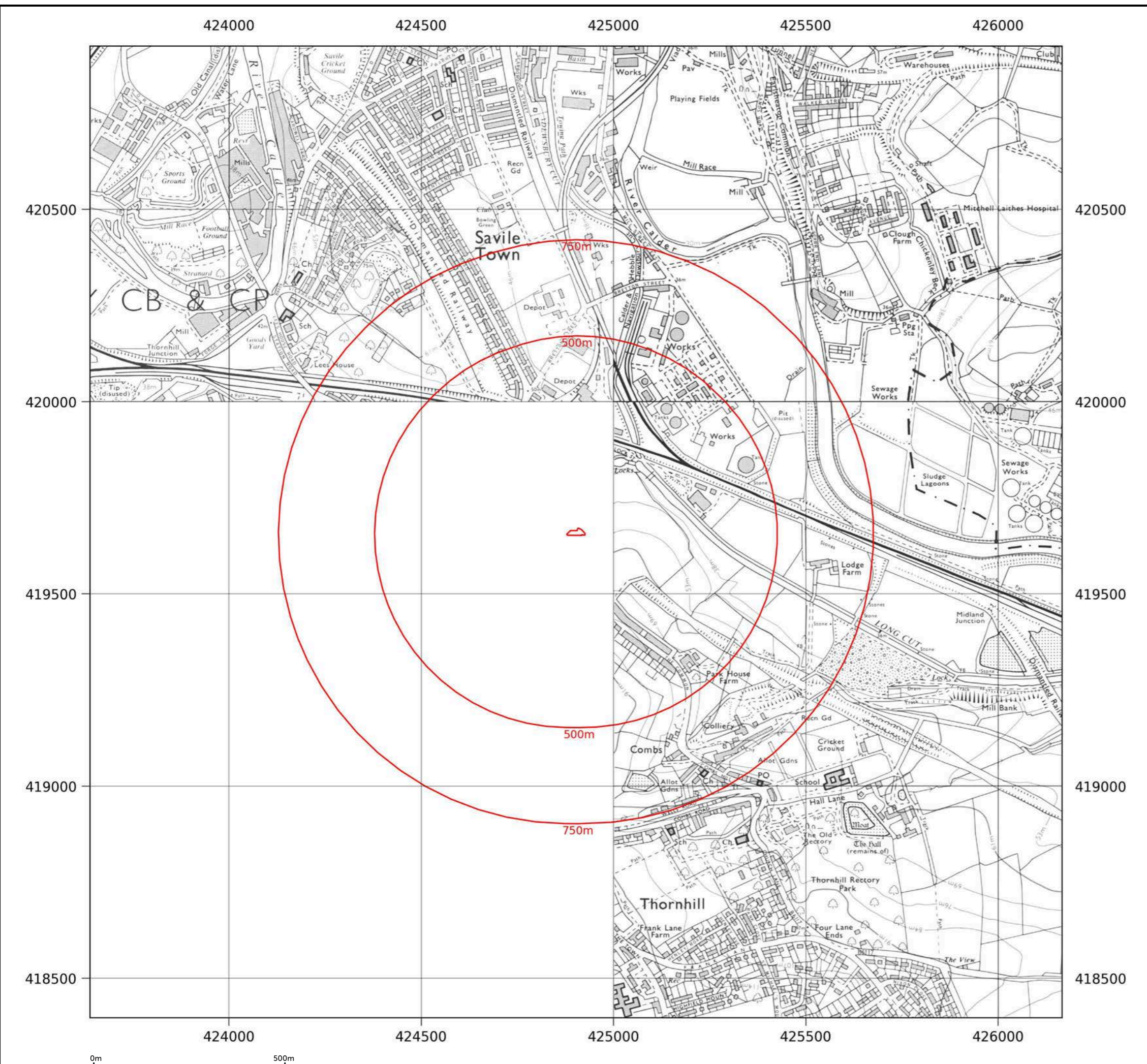
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Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 1971-1974
Scale: 1:10,000
Printed at: 1:10,000



Date: 1974 Surveyed: 1974 Revised: 1974	Date: 1971 Surveyed: 1971 Revised: 1971
Date: 1973 Surveyed: 1973 Revised: 1973	

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 1980-1983
Scale: 1:10,000
Printed at: 1:10,000



Date: 1981 Surveyed: 1977 Revised: 1981	Date: 1980 Surveyed: 1979 Revised: 1980
Date: 1982 Surveyed: 1977 Revised: 1982	Date: 1983 Surveyed: 1982 Revised: 1983

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 1988-1993
Scale: 1:10,000
Printed at: 1:10,000



Date: 1988 Surveyed: 1985 Revised: 1988	Date: 1992 Surveyed: 1989 Revised: 1992
Date: 1993 Surveyed: 1991 Revised: 1993	Date: 1992 Surveyed: 1990 Revised: 1992

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 2001
Scale: 1:10,000
Printed at: 1:10,000



Date: 2001	Date: 2001
Date: 2001	Date: 2001

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 2010
Scale: 1:10,000
Printed at: 1:10,000



Date: 2010	Date: 2010
Date: 2010	Date: 2010

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0m 500m

Map legend available at:
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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 2015
Scale: 1:10,000
Printed at: 1:10,000



Date: 2015	Date: 2015
Date: 2015	Date: 2015

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0m 500m

Map legend available at:
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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 2025
Scale: 1:10,000
Printed at: 1:10,000



Date: 2025	Date: 2025
Date: 2025	Date: 2025

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0m 500m

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

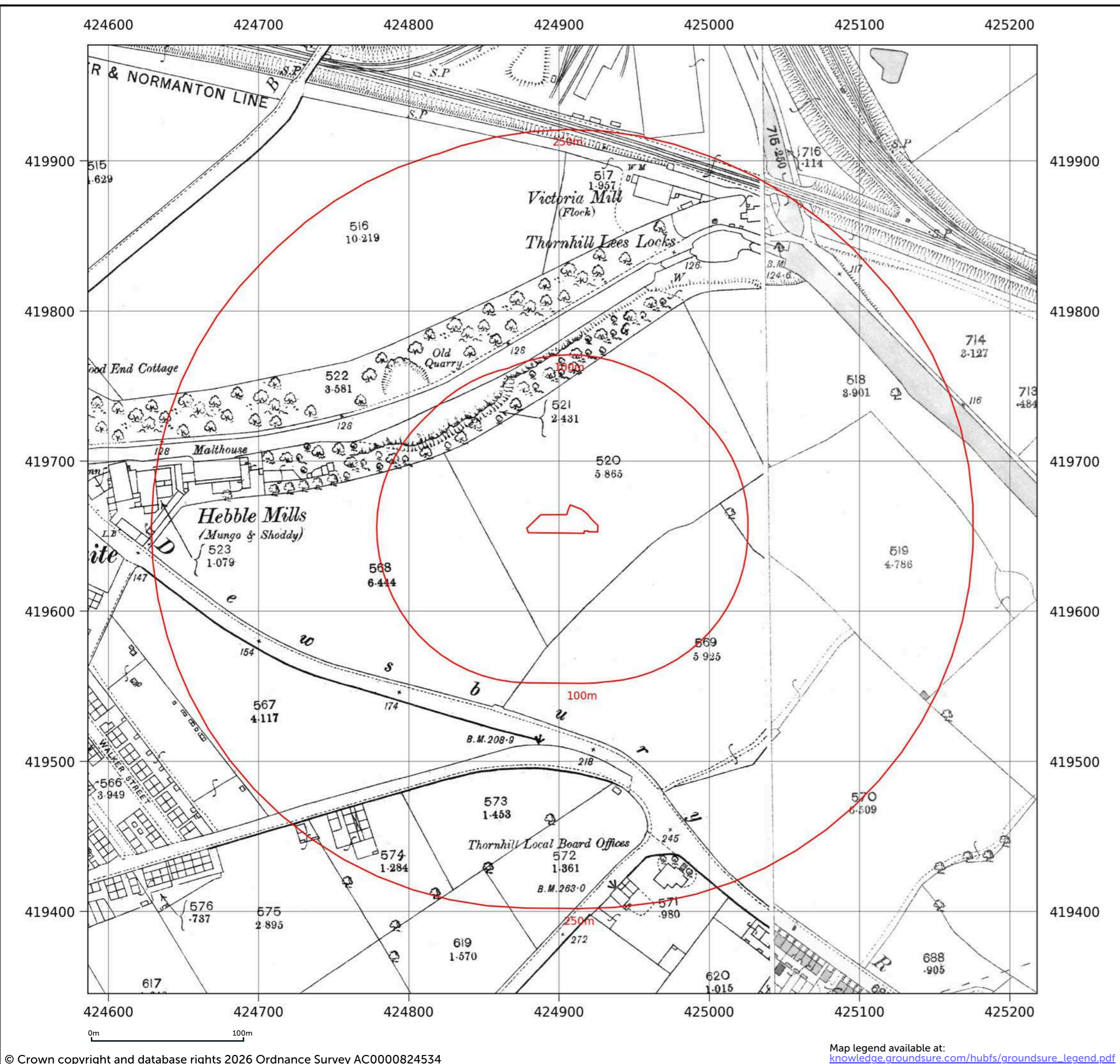
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Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: County Series
Map date: 1893
Scale: 1:2,500
Printed at: 1:2,500



Date: 1893 Surveyed: 1892 Edition: 1893	Date: 1893 Surveyed: 1893 Revised: 1893
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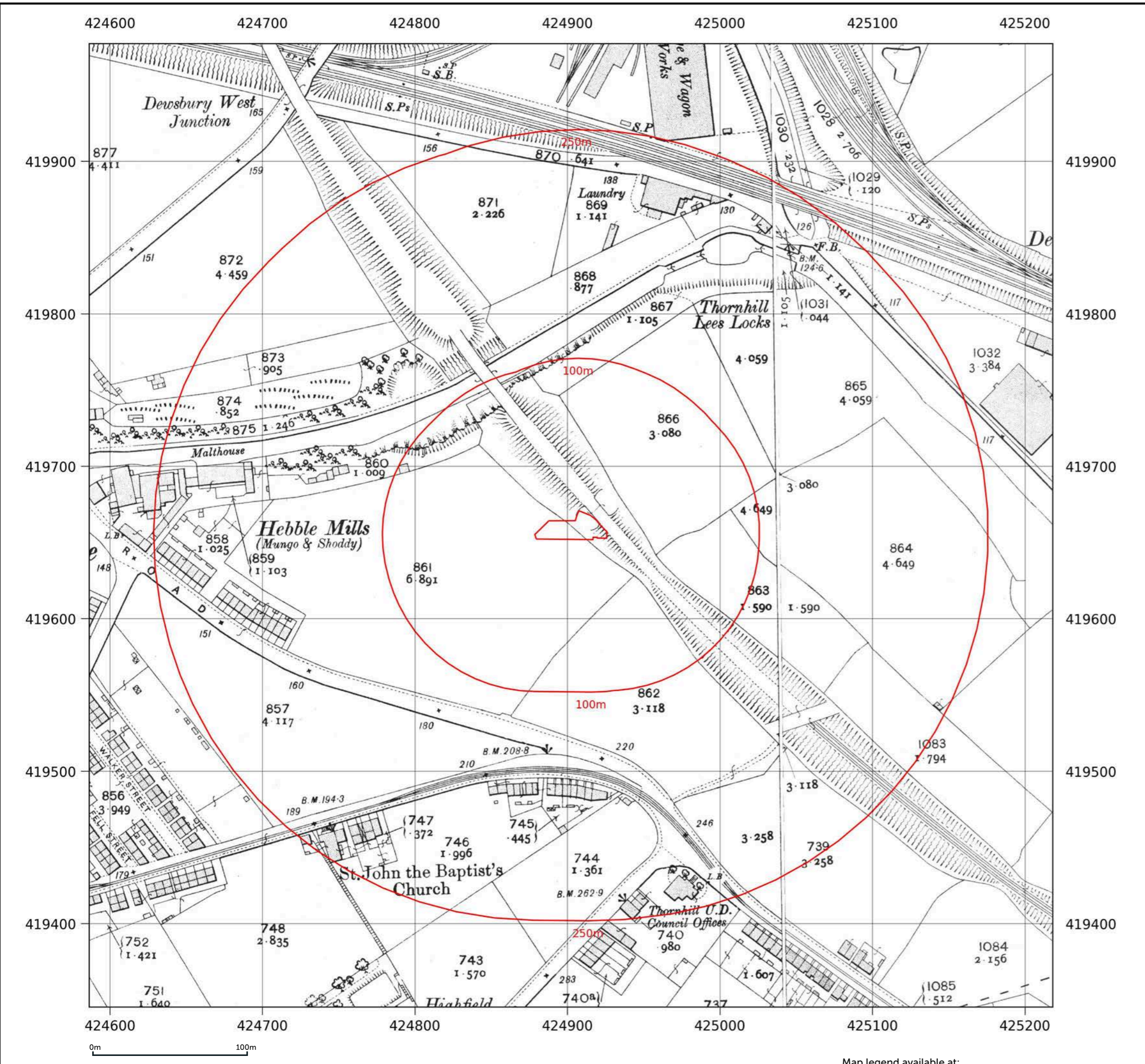
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Report ref:	GS-Z3J-85Q-FM6-SJV
Grid ref:	424903.5, 419658.74
Production date:	19 February 2026

Map name:	County Series
Map date:	1907
Scale:	1:2,500
Printed at:	1:2,500



Date: 1907 Surveyed: 1907 Revised: 1907	Date: 1907 Surveyed: 1907 Revised: 1907
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Map legend available at:
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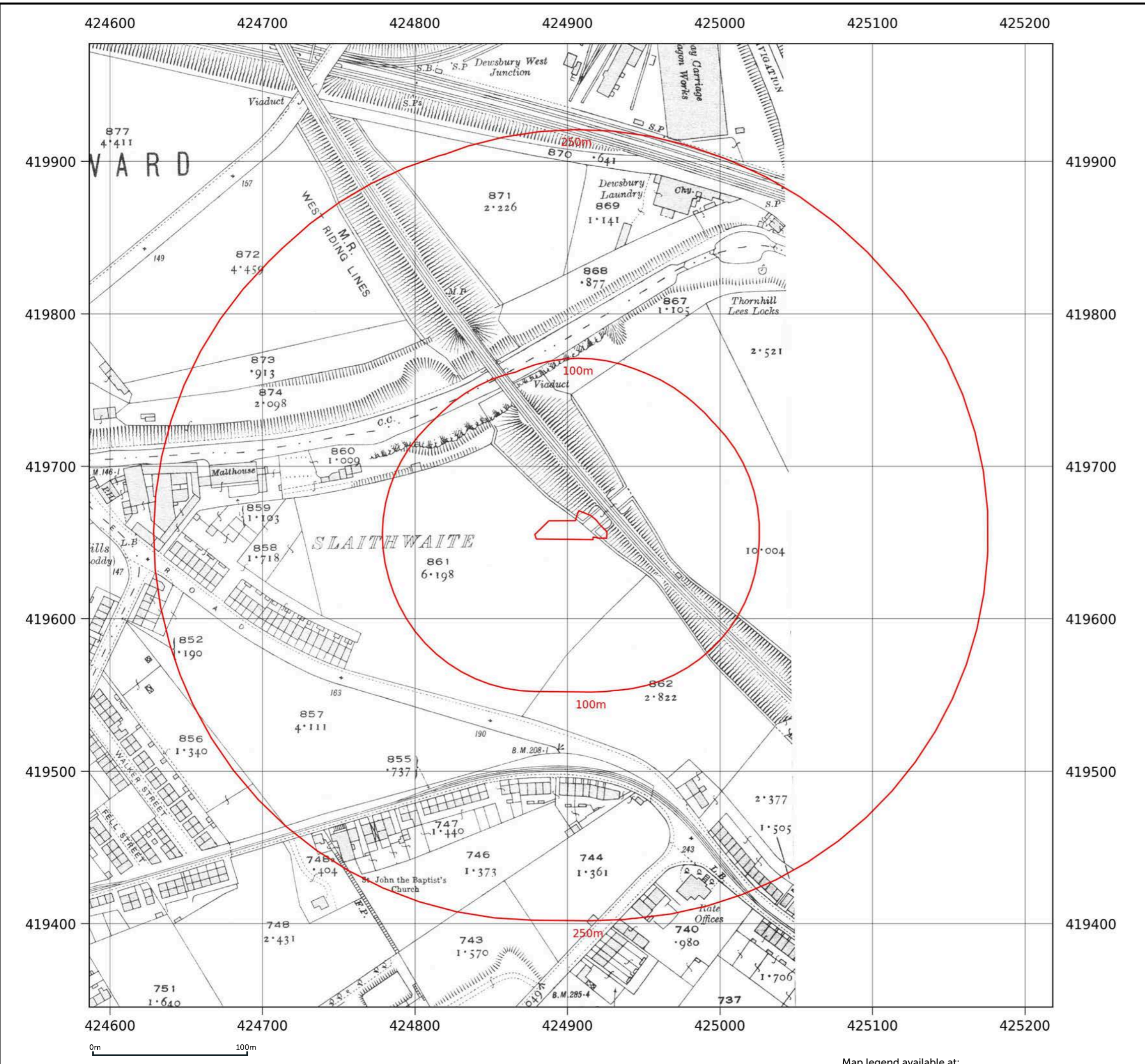
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Client ref:	G-25-038/GVR/459
Report ref:	GS-Z3J-85Q-FM6-SJV
Grid ref:	424903.5, 419658.74
Production date:	19 February 2026

Map name:	County Series
Map date:	1922
Scale:	1:2,500
Printed at:	1:2,500

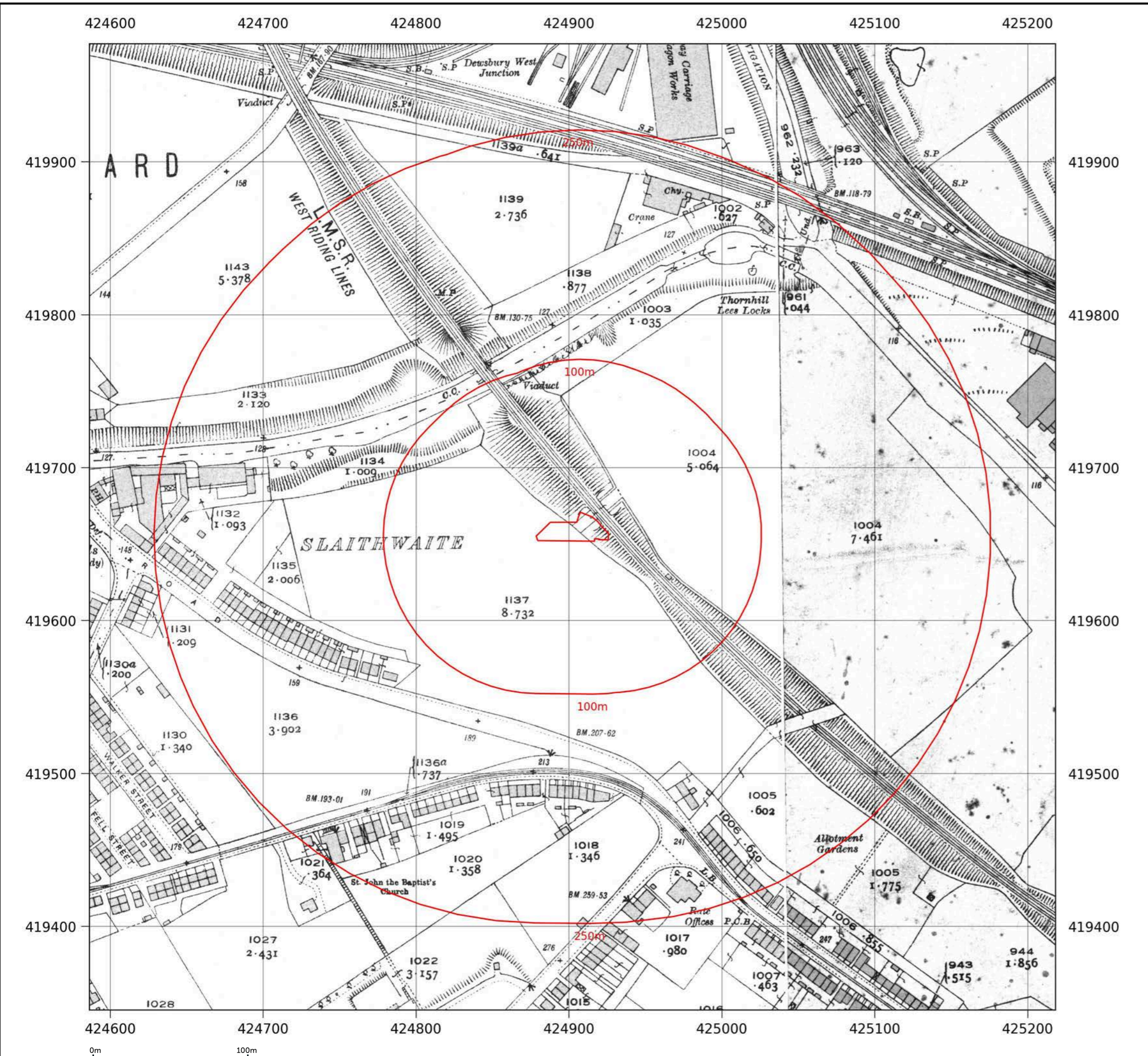


Date: 1922 Surveyed: 1922 Revised: 1922

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Site details:	14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref:	G-25-038/GVR/459
Report ref:	GS-Z3J-85Q-FM6-SJV
Grid ref:	424903.5, 419658.74
Production date:	19 February 2026

Map name:	County Series
Map date:	1933
Scale:	1:2,500
Printed at:	1:2,500



Date: 1933 Surveyed: 1933 Revised: 1933	Date: 1933 Surveyed: 1933 Revised: 1933
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 01273 257 755

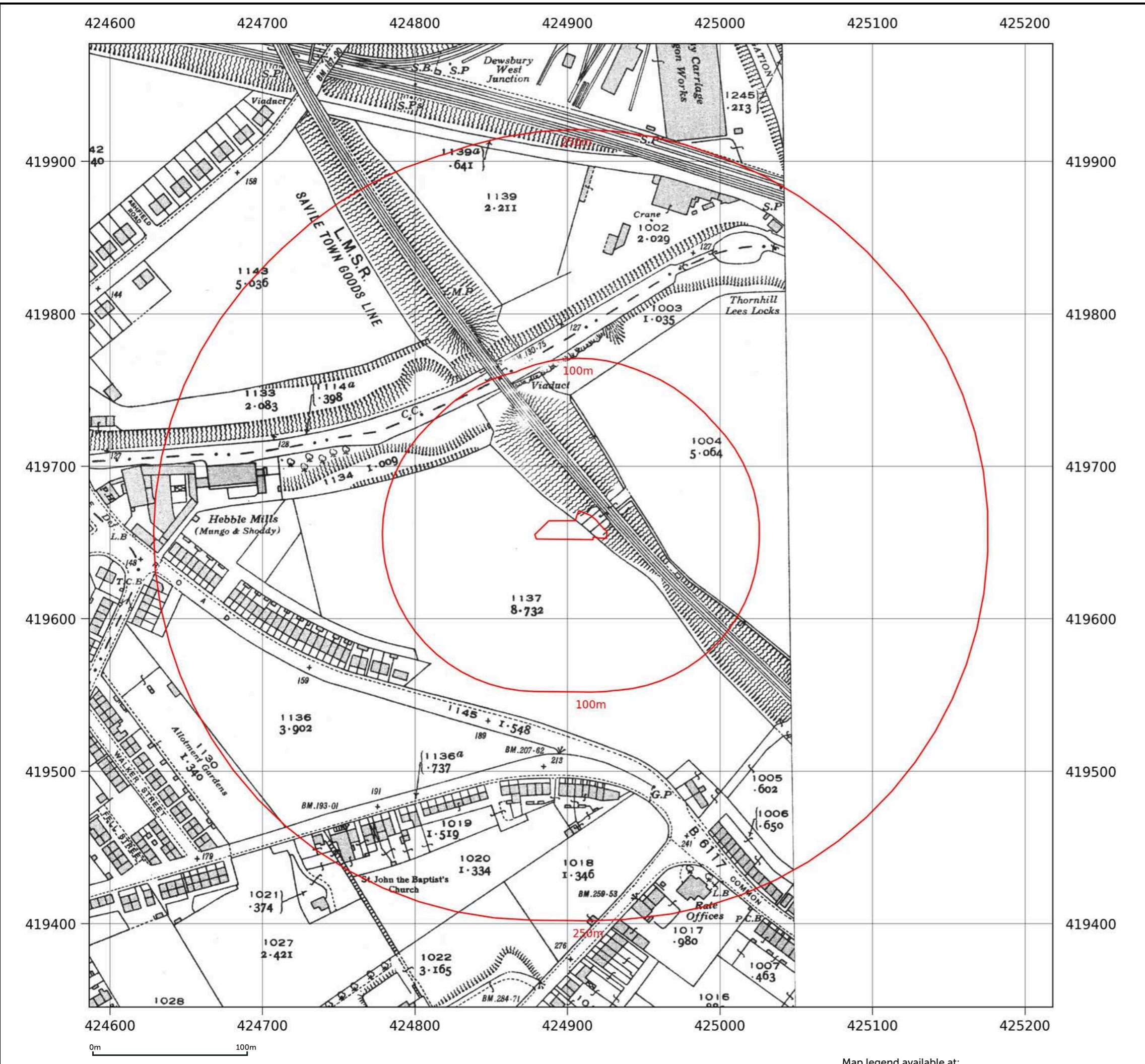
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Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: County Series
Map date: 1937
Scale: 1:2,500
Printed at: 1:2,500



Date: 1937
 Surveyed: 1937
 Revised: 1937

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Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

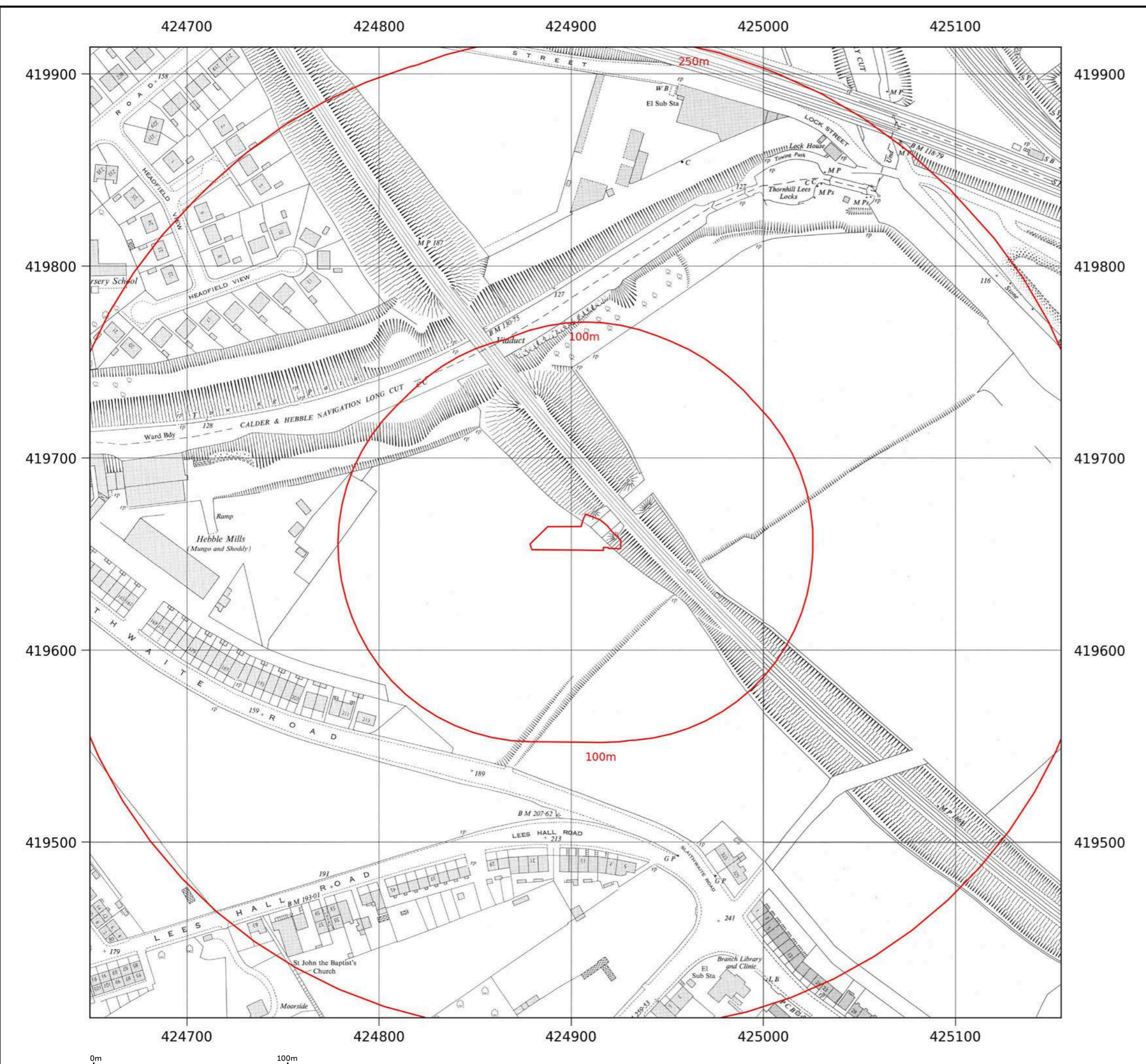
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Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 1953-1954
Scale: 1:1,250
Printed at: 1:2,000



Date: 1954 Surveyed: 1954 Revised: 1954 Levelled: 1931	Date: 1953 Surveyed: 1953 Revised: 1953 Levelled: 1931
Date: 1954 Surveyed: 1954 Revised: 1954 Levelled: 1931	Date: 1953 Surveyed: 1953 Revised: 1953 Levelled: 1931

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knowledge.groundsure.com/hubfs/groundsure_legend.pdf

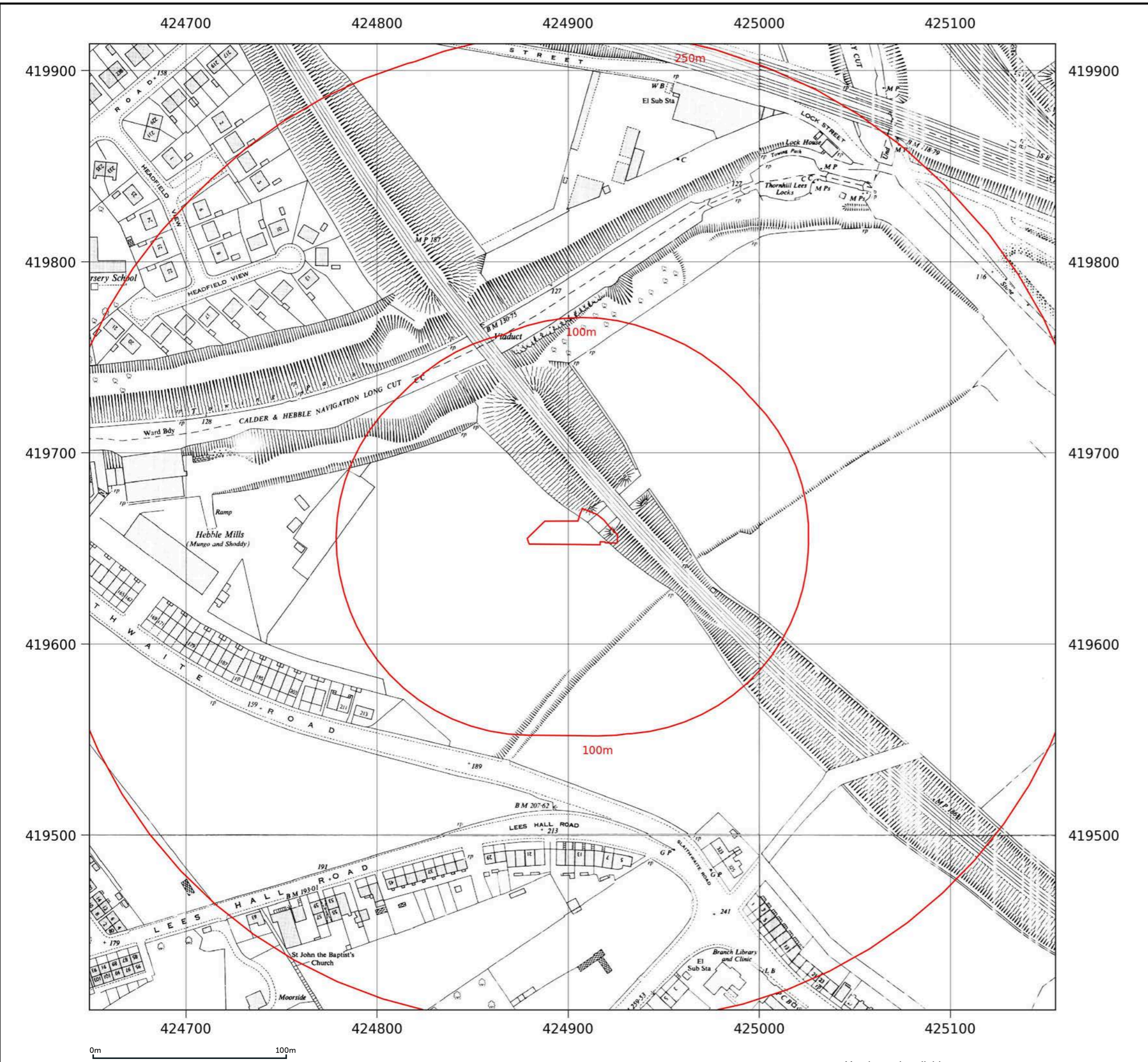
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Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 1954-1955
Scale: 1:1,250
Printed at: 1:2,000



Date: 1955	Date: 1954
Date: 1955	Date: 1954

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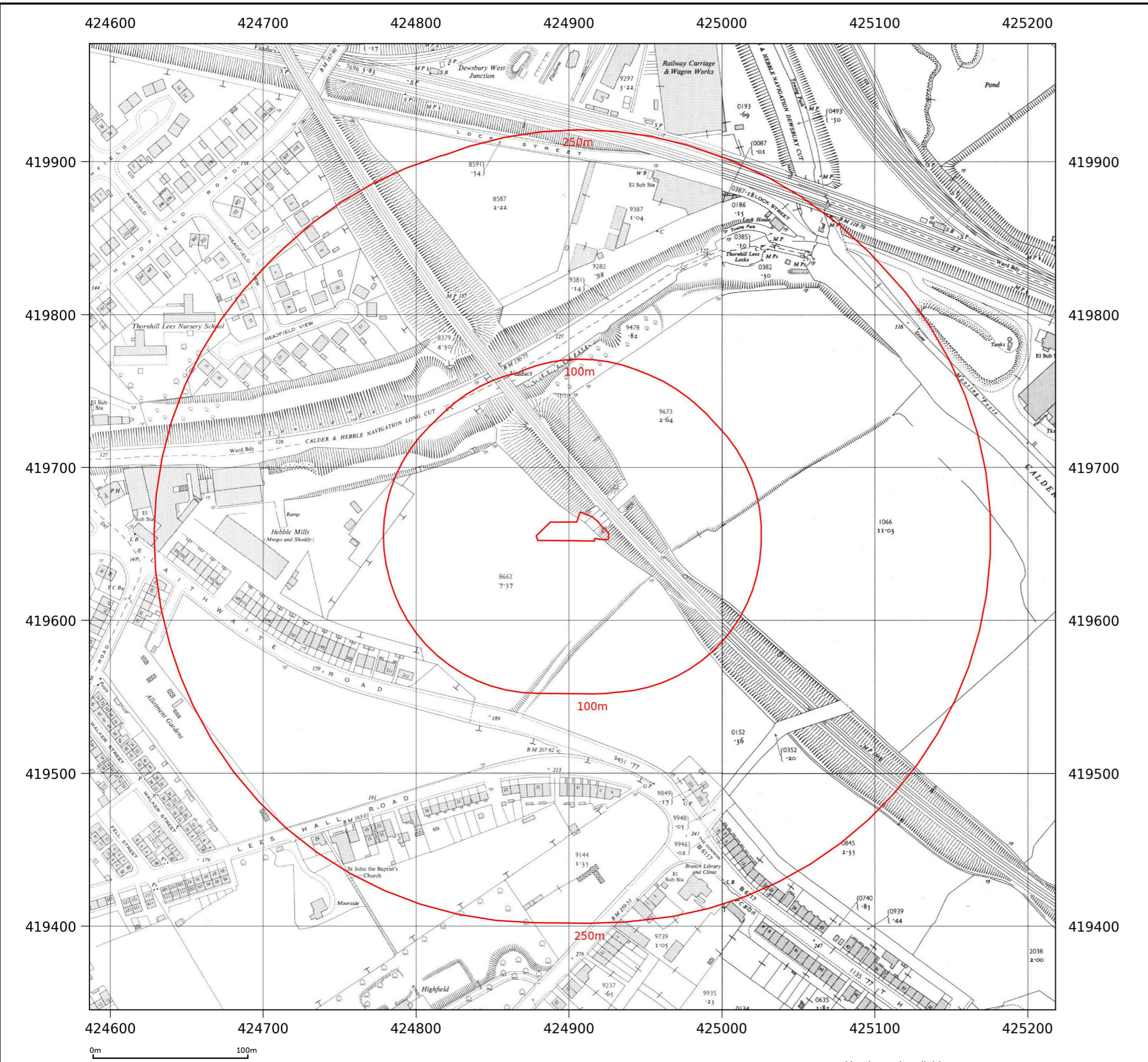
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Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 1955
Scale: 1:2,500
Printed at: 1:2,500



Date: 1955	Date: 1955
Surveyed: 1954	Surveyed: 1953
Revised: 1954	Revised: 1953
Edition: 1955	Edition: 1955
Levelled: 1931	Levelled: 1931

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0m 100m

Map legend available at:
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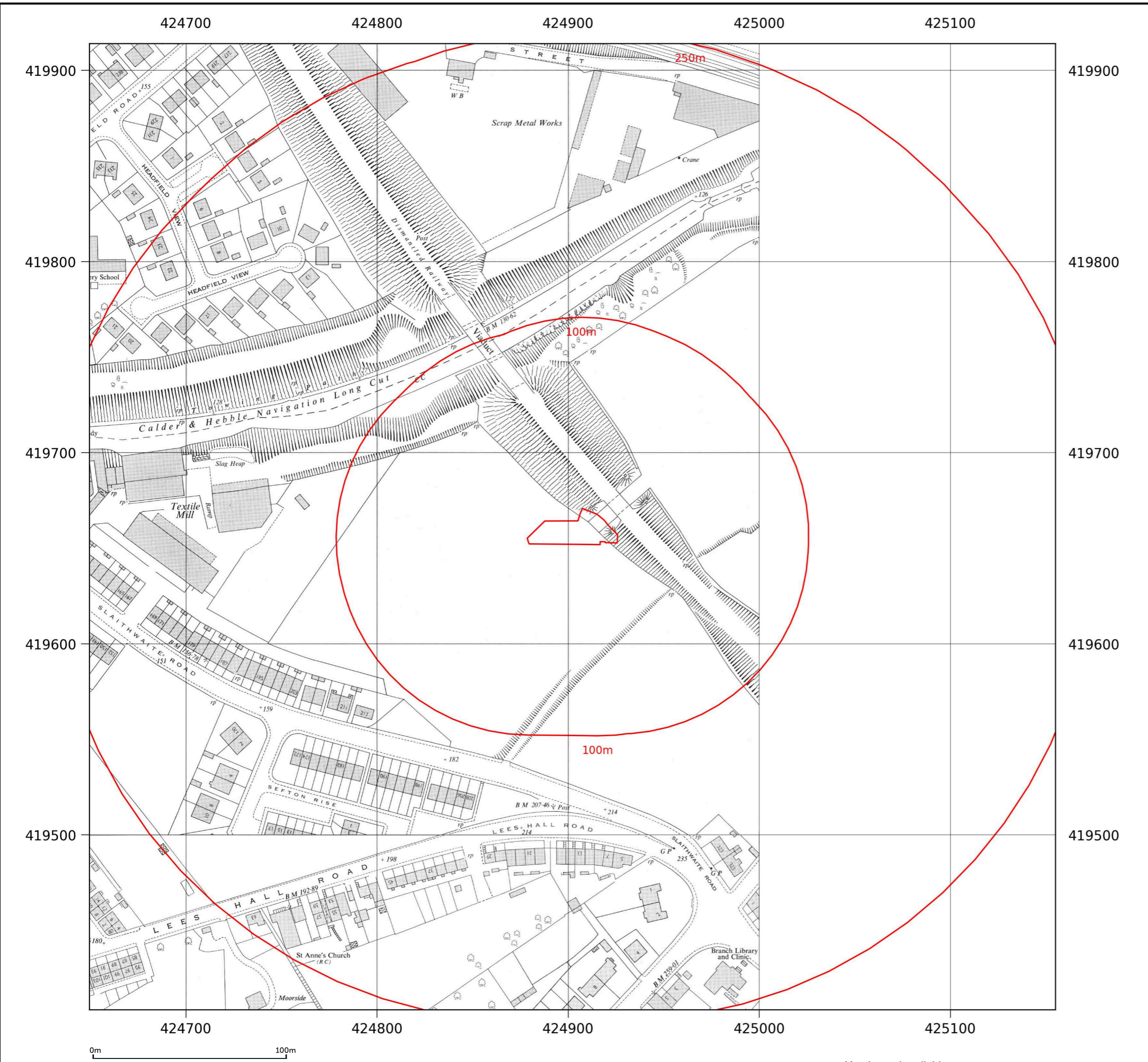
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Client ref:	G-25-038/GVR/459
Report ref:	GS-Z3J-85Q-FM6-SJV
Grid ref:	424903.5, 419658.74
Production date:	19 February 2026

Map name:	National Grid
Map date:	1960-1965
Scale:	1:1,250
Printed at:	1:2,000



Date: 1965 Surveyed: 1954 Revised: 1965 Copyright: 1965 Levelled: 1963	
Date: 1960 Surveyed: 1959 Revised: 1959 Copyright: 1960 Levelled: 1958	

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA

Client ref: G-25-038/GVR/459

Report ref: GS-Z3J-85Q-FM6-SJV

Grid ref: 424903.5, 419658.74

Production date: 19 February 2026

Map name: National Grid

Map date: 1969

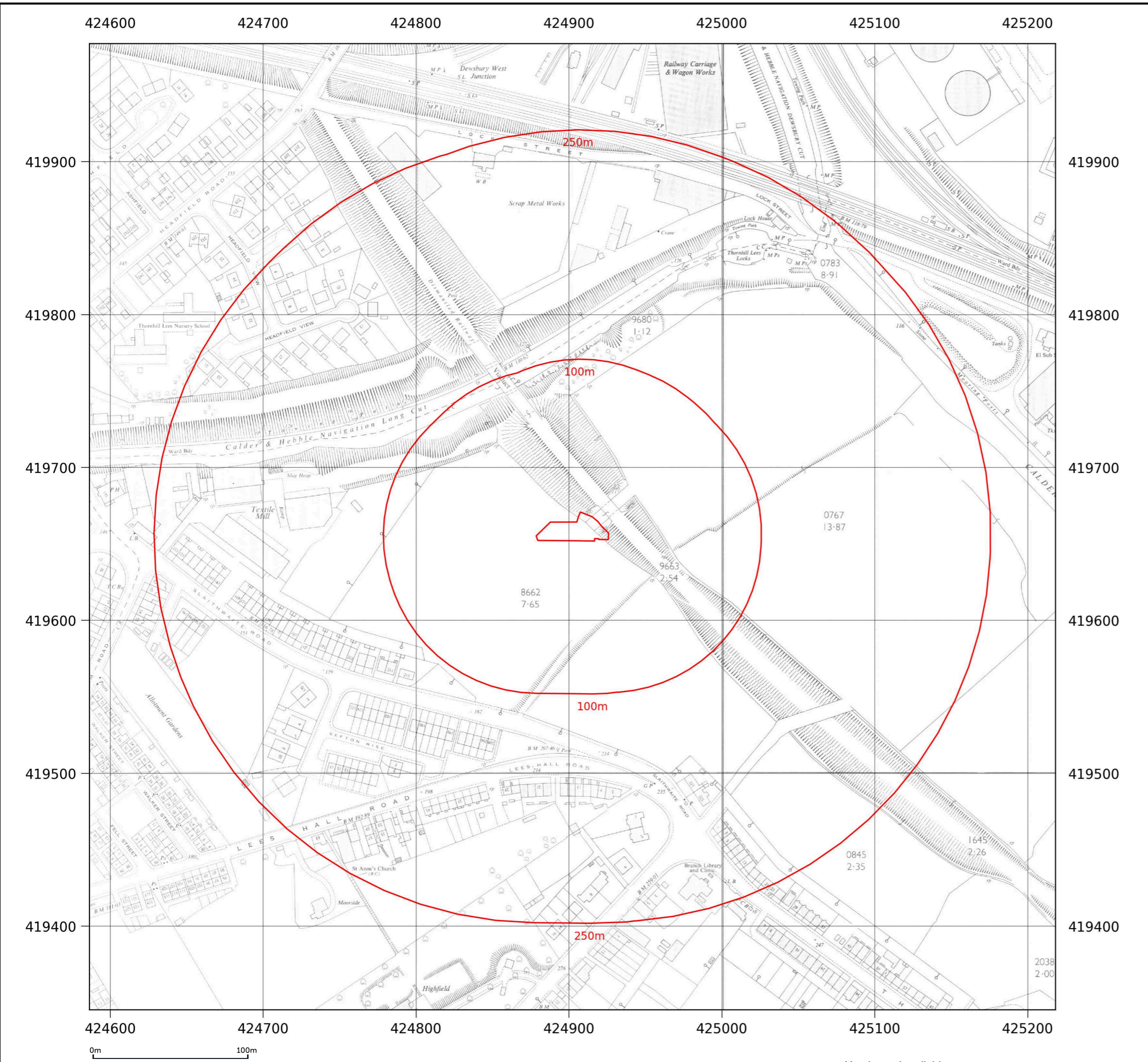
Scale: 1:2,500

Printed at: 1:2,500



Date: 1969
 Surveyed: 1966
 Revised: 1966
 Copyright: 1969
 Levelled: 1963

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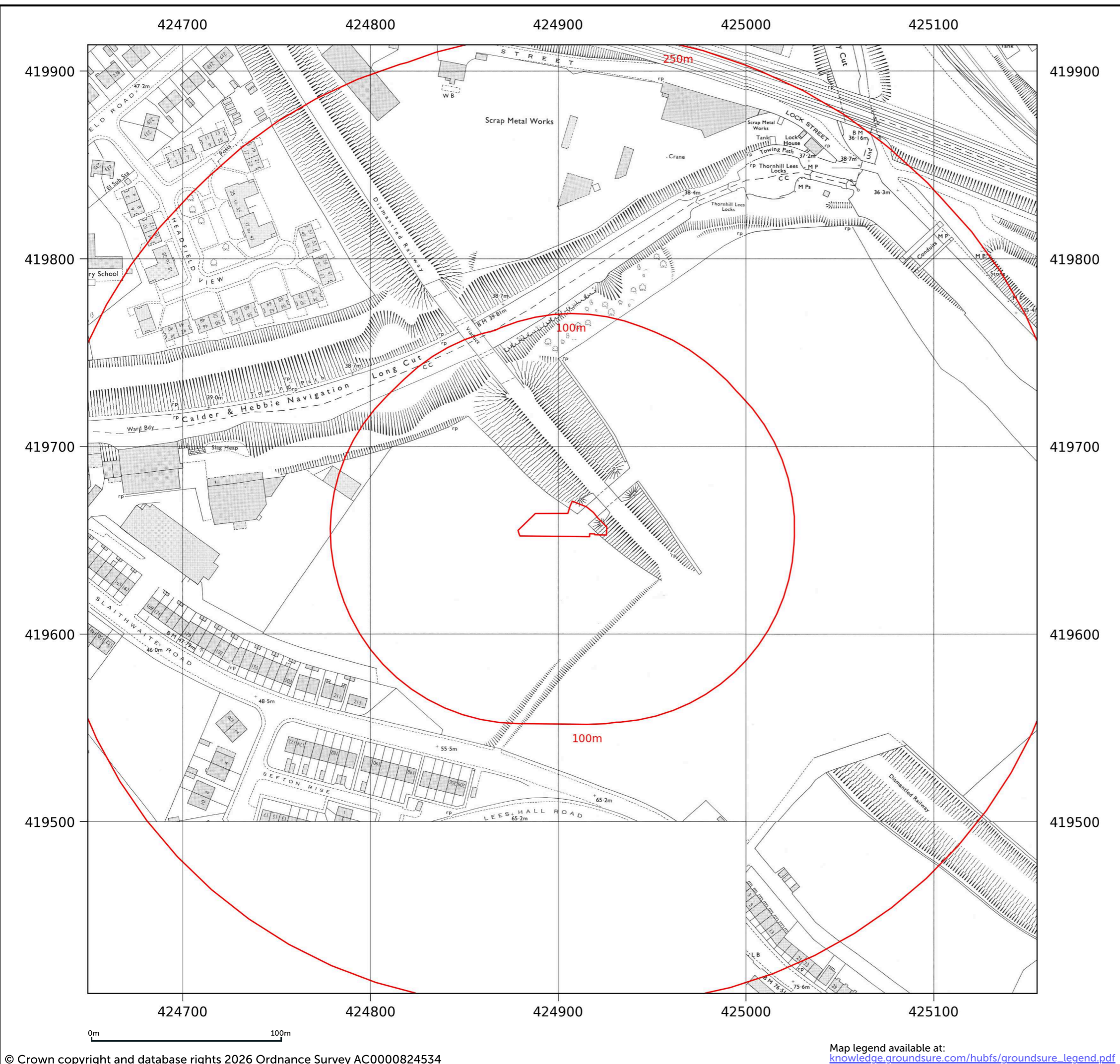
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Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 1972
Scale: 1:1,250
Printed at: 1:2,000



Date: 1972 Surveyed: 1954 Revised: 1972 Copyright: 1972 Levelled: 1963	Date: 1972 Surveyed: 1953 Revised: 1971 Copyright: 1972 Levelled: 1963
	Date: 1972 Surveyed: 1953 Revised: 1971 Copyright: 1972 Levelled: 1963

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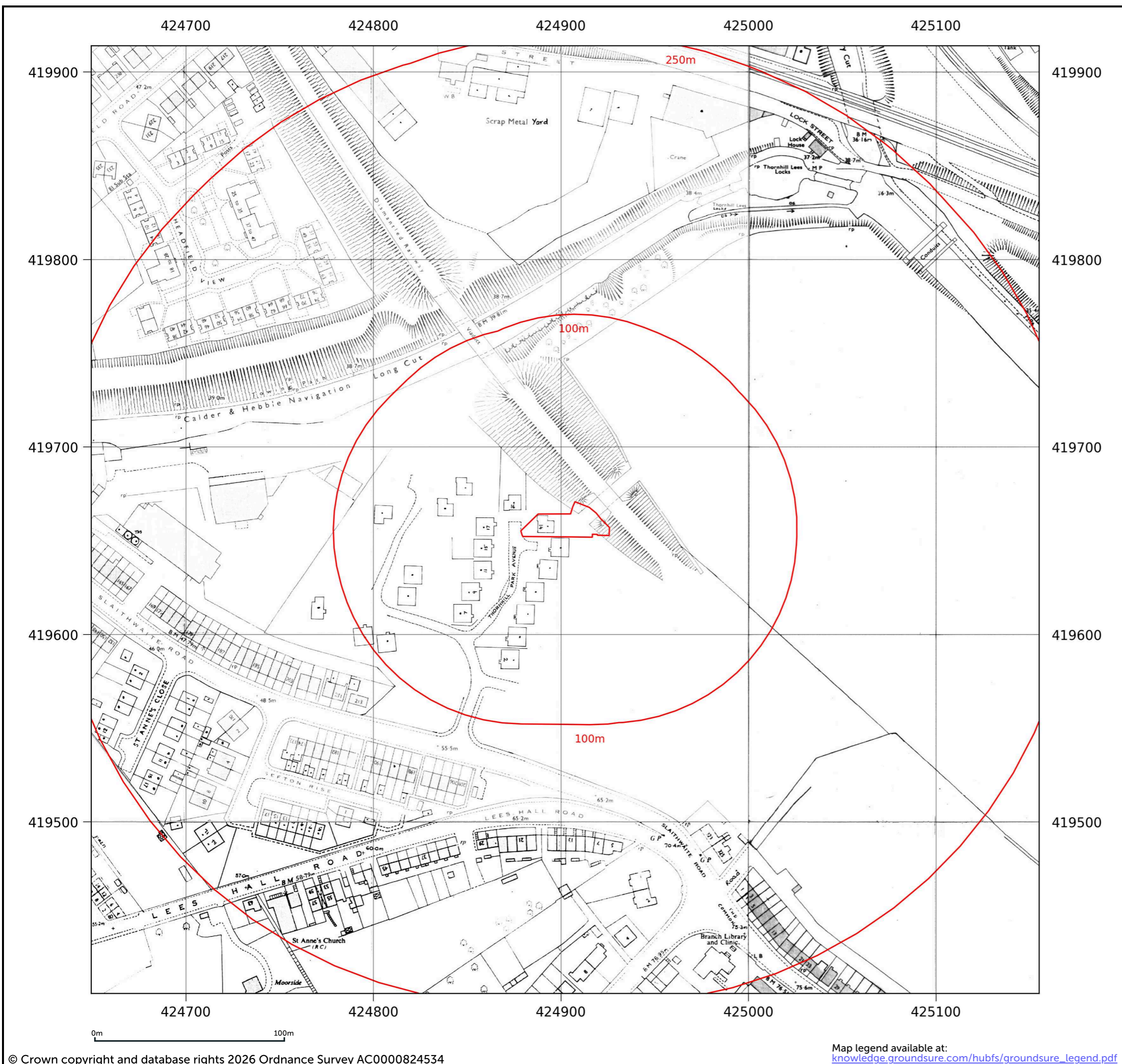
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Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 1984-1989
Scale: 1:1,250
Printed at: 1:2,000



Date: 1989 Copyright: 1989 Levelled: 1963	Date: 1989 Surveyed: 1963 Revised: 1989 Copyright: 1989 Levelled: 1963
Date: 1984 Surveyed: 1963 Revised: 1984 Copyright: 1984 Levelled: 1963	Date: 1989 Surveyed: 1963 Revised: 1989 Copyright: 1989 Levelled: 1963

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Site details: 14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA
Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

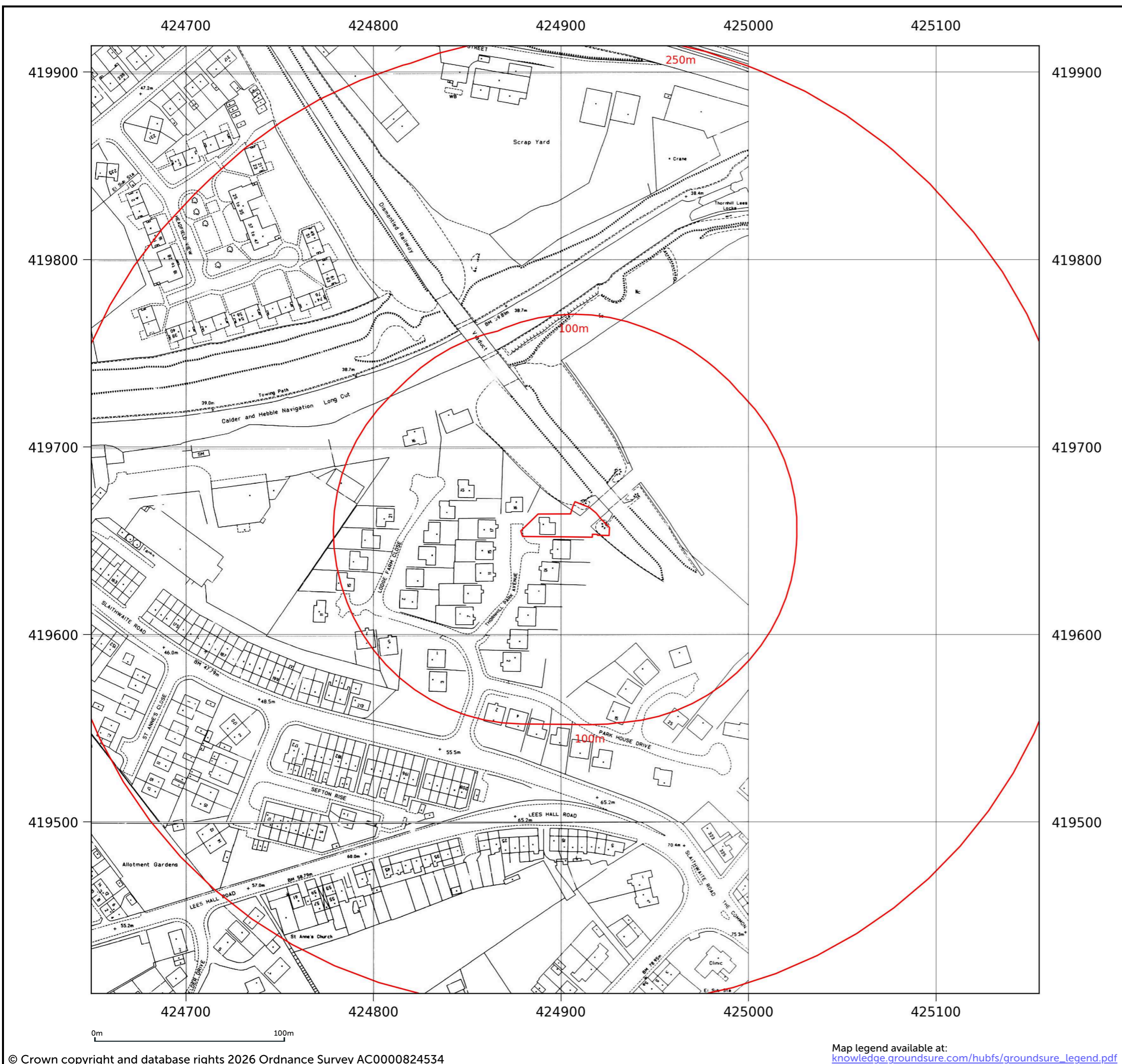
Map name: National Grid
Map date: 1993
Scale: 1:1,250
Printed at: 1:2,000



Date: 1993
Copyright: 1993

Date: 1993
Copyright: 1993

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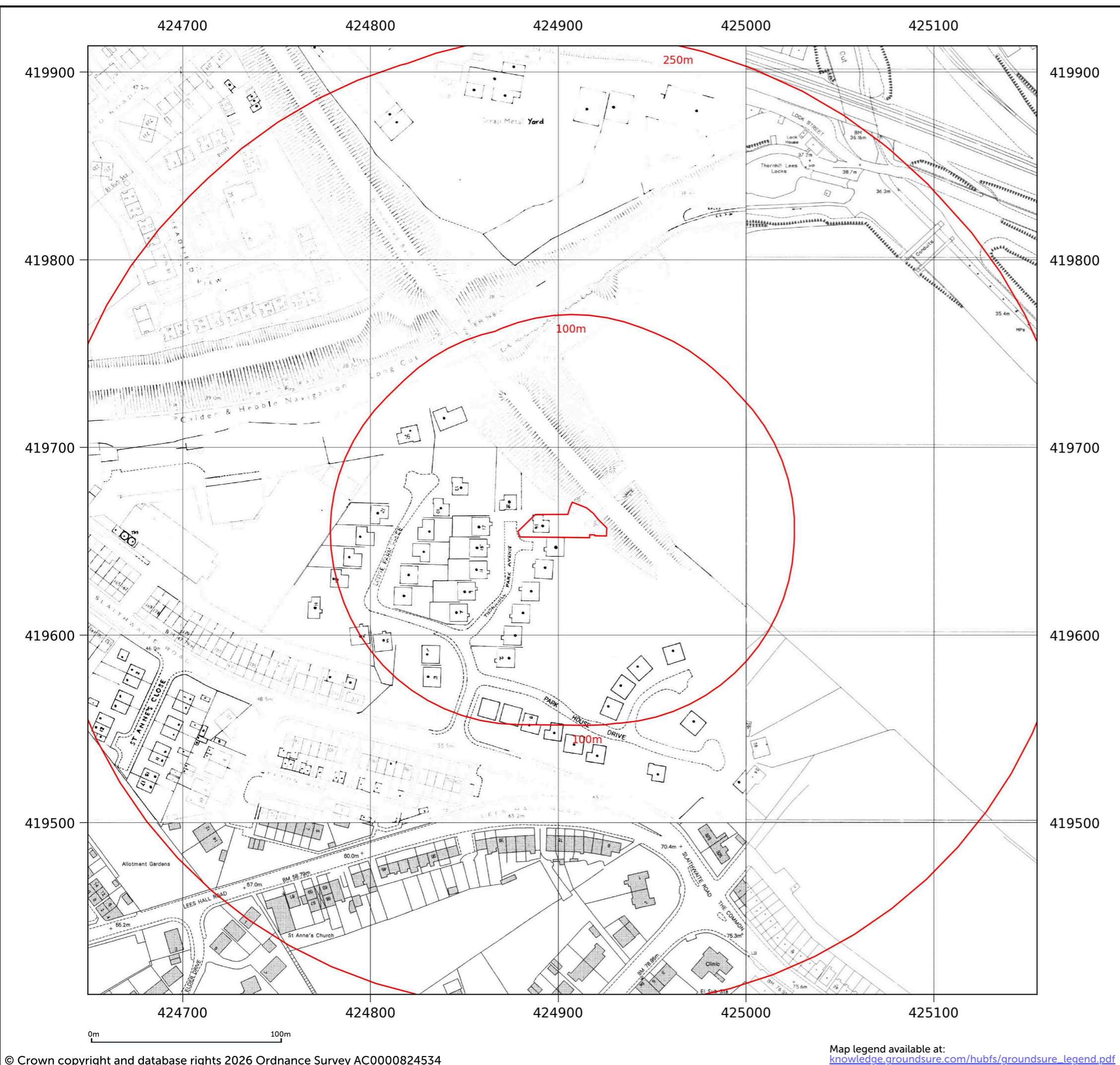
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Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: National Grid
Map date: 1990-1994
Scale: 1:1,250
Printed at: 1:2,000



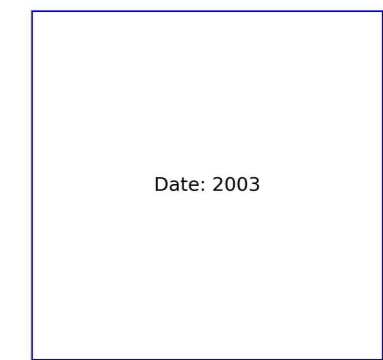
Date: 1992	Date: 1994 Surveyed: 1994 Revised: 1994
Date: 1990 Surveyed: 1954 Revised: 1989 Copyright: 1990	Date: 1994 Surveyed: 1994 Revised: 1994

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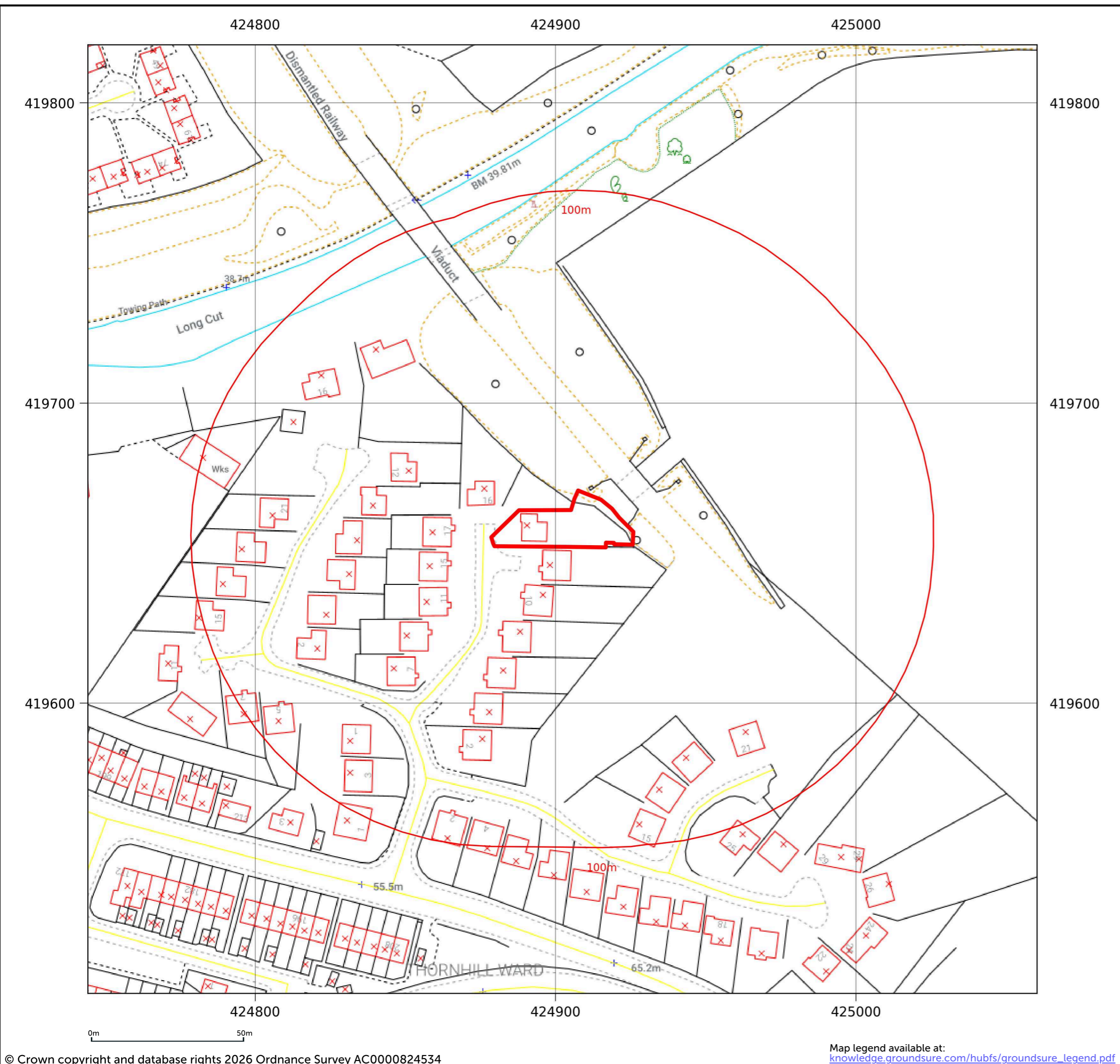
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Client ref: G-25-038/GVR/459
Report ref: GS-Z3J-85Q-FM6-SJV
Grid ref: 424903.5, 419658.74
Production date: 19 February 2026

Map name: LandLine
Map date: 2003
Scale: 1:1,250
Printed at: 1:1,250



Date: 2003

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Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Appendix C
Environmental Data

14A, THORNHILL PARK AVENUE, THORNHILL, DEWSBURY, KIRKLEES, WF12 0DA

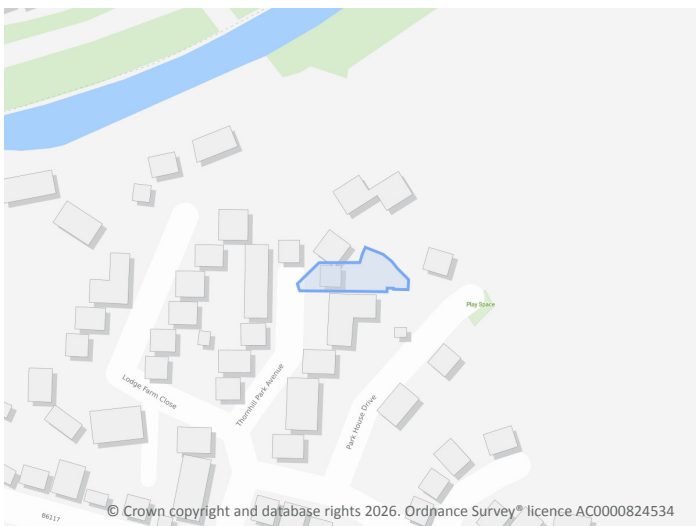
Order Details

Date: 19/02/2026
Your ref: G-25-038/GVR/459
Our Ref: GS-S5W-SP8-4FU-C3S

Site Details

Location: 424903 419658
Area: 0.06 ha
Authority: [Kirklees Council](#) ↗

Site plan



Quick Links

[Summary of findings](#) [p. 2 >](#)
[OS MasterMap site plan](#) [p.13 >](#)
[Aerial image](#) [p. 9 >](#)

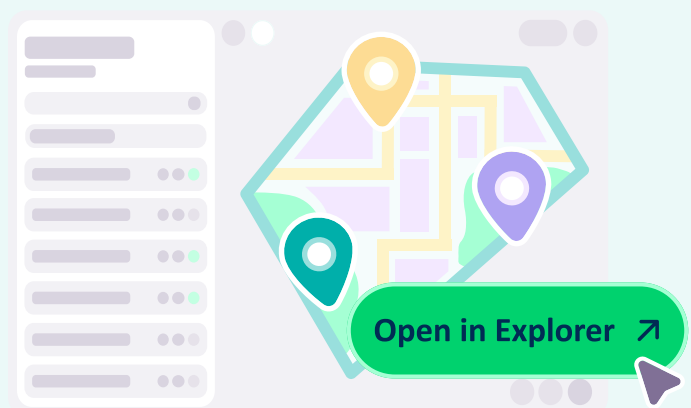
[Insight User Guide](#) ↗

Open this site in Explorer!

Access the data now in our interactive workspace.

- Map and interpret 130+ datasets across 170 years
- Generate insights and visuals quickly
- Revisit and collaborate with your team

Access to Groundsure Explorer requires an Insights account.
12 months access begins at purchase.



Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	0	3	34	74	-
19 >	1.2 >	Historical tanks >	0	0	2	38	-
20 >	1.3 >	Historical energy features >	0	0	4	14	-
21	1.4	Historical petrol stations	0	0	0	0	-
22 >	1.5 >	Historical garages >	0	0	0	5	-
22	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
23 >	2.1 >	Historical industrial land uses >	0	4	42	105	-
29 >	2.2 >	Historical tanks >	0	0	3	52	-
31 >	2.3 >	Historical energy features >	0	0	5	25	-
33	2.4	Historical petrol stations	0	0	0	0	-
33 >	2.5 >	Historical garages >	0	0	0	8	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
34	3.1	Active or recent landfill	0	0	0	0	-
34	3.2	Historical landfill (BGS records)	0	0	0	0	-
35	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
35 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	2	-
35 >	3.5 >	Historical waste sites >	0	0	5	1	-
36 >	3.6 >	Licensed waste sites >	0	0	1	2	-
37 >	3.7 >	Waste exemptions >	0	0	52	56	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
47 >	4.1 >	Recent industrial land uses >	0	0	7	-	-
48	4.2	National Geographic Database (NGD) - Current or recent tanks	0	0	0	-	-
48 >	4.3 >	Current or recent petrol stations >	0	0	0	1	-
49	4.4	Electricity cables	0	0	0	0	-
49	4.5	Gas pipelines	0	0	0	0	-



49	4.6	Sites determined as Contaminated Land	0	0	0	0	-
49	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
49	4.8	Regulated explosive sites	0	0	0	0	-
50	4.9	Hazardous substance storage/usage	0	0	0	0	-
50	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
50	4.11	Licensed industrial activities (Part A(1))	0	0	0	0	-
50 >	4.12 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	0	1	3	-
51	4.13	Radioactive Substance Authorisations	0	0	0	0	-
51 >	4.14 >	<u>Licensed Discharges to controlled waters ></u>	0	0	2	0	-
52	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
52	4.16	Pollutant release to public sewer	0	0	0	0	-
52	4.17	List 1 Dangerous Substances	0	0	0	0	-
52	4.18	List 2 Dangerous Substances	0	0	0	0	-
52 >	4.19 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	2	5	-
53	4.20	Pollution inventory substances	0	0	0	0	-
54	4.21	Pollution inventory waste transfers	0	0	0	0	-
54	4.22	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
55 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
57 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
59 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
60	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
60	5.5	Groundwater vulnerability- local information	None (within 0m)				
61 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	9
64 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	9
66	5.8	Potable abstractions	0	0	0	0	0
67	5.9	Source Protection Zones	0	0	0	0	-
67	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m



68 >	6.1 >	Water Network (OS MasterMap) >	0	0	9	-	-
69 >	6.2 >	Surface water features >	0	0	2	-	-
70 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
70 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
71 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
72	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
72	7.2	Historical Flood Events	0	0	0	-	-
72	7.3	Flood Defences	0	0	0	-	-
73	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
73	7.5	Flood Storage Areas	0	0	0	-	-
74	7.6	Flood Zone 2	None (within 50m)				
74	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
75	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
76 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
77	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
78	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
78	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
78	10.4	Special Protection Areas (SPA)	0	0	0	0	0
78	10.5	National Nature Reserves (NNR)	0	0	0	0	0
79 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	1	0
79 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	2
79	10.8	Biosphere Reserves	0	0	0	0	0
80	10.9	Forest Parks	0	0	0	0	0
80	10.10	Marine Conservation Zones	0	0	0	0	0
80 >	10.11 >	Green Belt >	0	1	0	0	1



80	10.12	Proposed Ramsar sites	0	0	0	0	0
81	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
81	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
81	10.15	Nitrate Sensitive Areas	0	0	0	0	0
81 >	10.16 >	Nitrate Vulnerable Zones >	0	0	0	0	1
83 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
84	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
85	11.1	World Heritage Sites	0	0	0	-	-
86	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
86	11.3	National Parks	0	0	0	-	-
86 >	11.4 >	Listed Buildings >	0	0	1	-	-
87	11.5	Conservation Areas	0	0	0	-	-
87	11.6	Scheduled Ancient Monuments	0	0	0	-	-
87	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
88 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
89	12.2	Open Access Land	0	0	0	-	-
89	12.3	Tree Felling Licences	0	0	0	-	-
89	12.4	Environmental Stewardship Schemes	0	0	0	-	-
90	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
91 >	13.1 >	Priority Habitat Inventory >	0	0	6	-	-
92	13.2	Habitat Networks	0	0	0	-	-
92	13.3	Open Mosaic Habitat	0	0	0	-	-
92	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
93 >	14.1 >	10k Availability >	Identified (within 500m)				
95 >	14.2 >	Artificial and made ground (10k) >	1	0	9	11	-



97 >	14.3 >	Superficial geology (10k) >	0	0	1	4	-
98 >	14.4 >	Landslip (10k) >	0	0	1	3	-
99 >	14.5 >	Bedrock geology (10k) >	1	1	11	28	-
102 >	14.6 >	Bedrock faults and other linear features (10k) >	0	1	8	20	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
104 >	15.1 >	50k Availability >	Identified (within 500m)				
105 >	15.2 >	Artificial and made ground (50k) >	0	0	0	1	-
106	15.3	Artificial ground permeability (50k)	0	0	-	-	-
107 >	15.4 >	Superficial geology (50k) >	0	0	1	2	-
108	15.5	Superficial permeability (50k)	None (within 50m)				
108	15.6	Landslip (50k)	0	0	0	0	-
108	15.7	Landslip permeability (50k)	None (within 50m)				
109 >	15.8 >	Bedrock geology (50k) >	1	1	6	12	-
111 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
111 >	15.10 >	Bedrock faults and other linear features (50k) >	0	1	5	12	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
113 >	16.1 >	BGS Boreholes >	0	0	1	-	-
Page	Section	Natural ground subsidence >					
114 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
115 >	17.2 >	Running sands >	Negligible (within 50m)				
116 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
117 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
118 >	17.5 >	Landslides >	Low (within 50m)				
120 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
122	18.1	BritPits	0	0	0	0	-
123 >	18.2 >	Surface ground workings >	0	4	24	-	-
124 >	18.3 >	Underground workings >	0	0	0	0	9
124	18.4	Underground mining extents	0	0	0	0	-

125	18.5	Historical Mineral Planning Areas	0	0	0	0	-
125	18.6	Non-coal mining	0	0	0	0	0
125	18.7	JPB mining areas	None (within 0m)				
125	18.8	The Coal Authority non-coal mining	0	0	0	0	-
126	18.9	Researched mining	0	0	0	0	-
126	18.10	Mining record office plans	0	0	0	0	-
126	18.11	BGS mine plans	0	0	0	0	-
126 >	18.12 >	Coal mining >	Identified (within 0m)				
127	18.13	Brine areas	None (within 0m)				
127	18.14	Gypsum areas	None (within 0m)				
127	18.15	Tin mining	None (within 0m)				
127	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
128	19.1	Natural cavities	0	0	0	0	-
128	19.2	Mining cavities	0	0	0	0	0
128	19.3	Reported recent incidents	0	0	0	0	-
128	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
130 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
132 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	1	-	-	-
132	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
132	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
133	22.1	Underground railways (London)	0	0	0	-	-
133	22.2	Underground railways (Non-London)	0	0	0	-	-
134	22.3	Railway tunnels	0	0	0	-	-
134 >	22.4 >	Historical railway and tunnel features >	0	0	1	-	-
134	22.5	Royal Mail tunnels	0	0	0	-	-



134 >	22.6 >	Historical railways >	0	2	4	-	-
135 >	22.7 >	Railways >	0	0	2	-	-
135	22.8	Crossrail 2	0	0	0	0	-
135	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 30/05/2021

Site Area: 0.06ha



Recent site history - 2018 aerial photograph



Capture Date: 01/07/2018

Site Area: 0.06ha



Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.06ha



Recent site history - 1999 aerial photograph



Capture Date: 10/07/1999

Site Area: 0.06ha



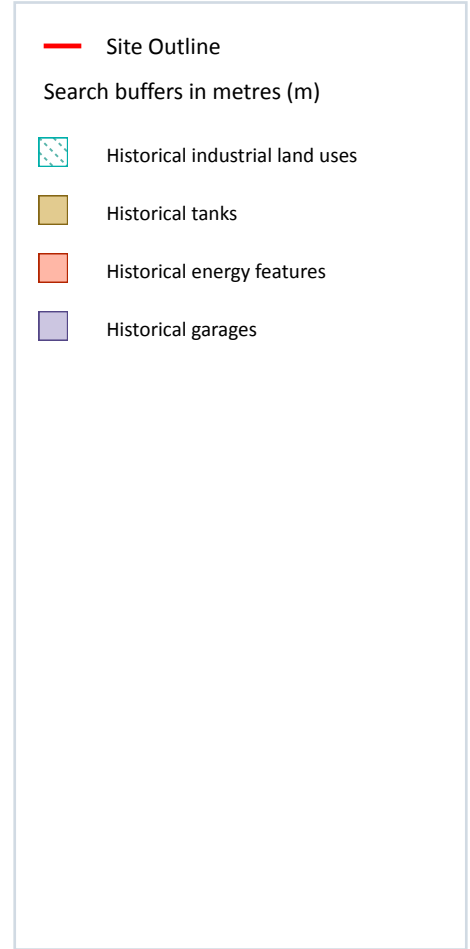
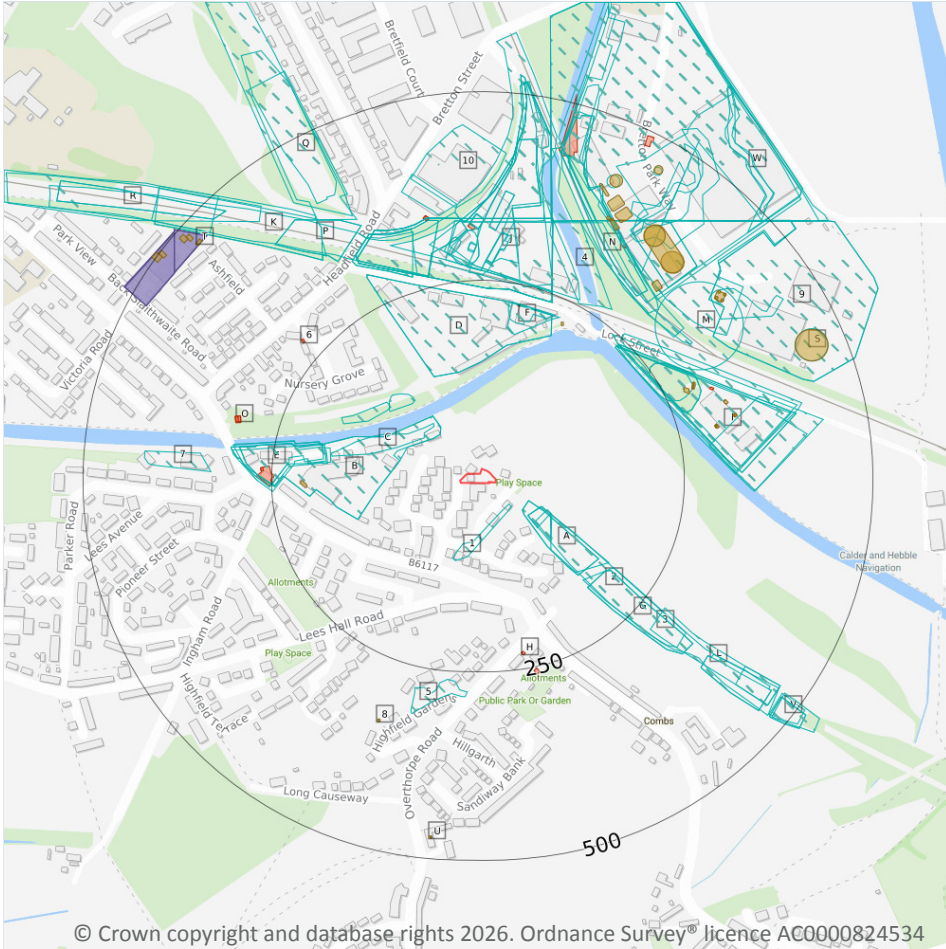
OS MasterMap site plan



Site Area: 0.06ha



1 Past land use



1.1 Historical industrial land uses

Records within 500m **111**

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

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
1	34m SE	Unspecified Ground Workings	1966 - 1982	1574380



ID	Location	Land use	Dates present	Group ID
A	50m SE	Cuttings	1948	1486624
A	50m SE	Cuttings	1905	1524035
A	61m SE	Cuttings	1951	1509725
2	61m SE	Cuttings	1938	1497933
B	63m NW	Unspecified Mills	1982 - 1993	1498801
B	63m NW	Unspecified Mills	1966	1503576
A	74m SE	Cuttings	1966	1538431
C	74m NW	Unspecified Ground Workings	1951	1440875
A	84m SE	Cuttings	1955 - 1966	1509649
C	118m NW	Unspecified Pit	1905	1452774
D	132m N	Unspecified Commercial/Industrial	1993	1431547
D	132m N	Unspecified Works	1982	1459932
C	134m NW	Unspecified Ground Workings	1951	1440876
E	173m W	Unspecified Mills	1938	1494647
3	174m SE	Cuttings	1955 - 1973	1531656
E	177m W	Unspecified Mills	1892	1543018
E	180m W	Unspecified Mills	1948 - 1951	1551006
F	183m N	Unspecified Mill	1892	1448744
E	183m W	Unspecified Mills	1905	1489307
G	185m SE	Cuttings	1948	1492613
G	185m SE	Cuttings	1905	1538973
F	199m N	Laundry	1905	1470425
I	235m NE	Old Chemical Works	1948	1446148
I	235m NE	Refuse Heap	1948	1508608
I	235m NE	Chemical Works	1905	1548442
J	238m N	Railway Sidings	1966 - 1967	1481831
J	238m N	Unspecified Depot	1993	1502343
J	238m N	Unspecified Depot	1982	1536244



ID	Location	Land use	Dates present	Group ID
J	238m N	Unspecified Works	1966 - 1992	1563713
I	239m NE	Chemical Works	1938	1506356
I	241m NE	Unspecified Works	1966	1460577
I	241m NE	Chemical Works	1955	1500495
I	246m NE	Unspecified Depot	1992	1445476
I	247m NE	Refuse Heap	1955 - 1966	1483703
I	247m NE	Unspecified Heap	1973 - 1992	1572003
J	247m N	Carriage and Wagon Works	1892	1447487
J	251m N	Unspecified Commercial/Industrial	1951 - 1955	1489259
J	251m N	Railway Sidings	1951 - 1992	1516370
4	253m NE	Cuttings	1955	1433134
J	253m N	Unspecified Commercial/Industrial	1938	1497508
J	255m N	Railway Sidings	1938	1532361
J	258m N	Railway Sidings	1892	1491621
5	261m S	Unspecified Ground Workings	1966 - 1982	1570031
J	263m N	Railway Sidings	1905	1492603
J	263m N	Railway Sidings	1948	1524131
K	265m N	Cuttings	1892	1577352
J	265m N	Cuttings	1966 - 1993	1504129
J	265m N	Cuttings	1951	1574916
J	270m N	Unspecified Heap	1892	1519746
J	270m N	Railway Building	1905	1523317
J	270m N	Cuttings	1938 - 1948	1508868
J	270m N	Cuttings	1905	1529614
J	274m N	Railway Building	1948	1574893
L	279m SE	Refuse Heap	1983	1435224
M	279m NE	Junction Station	1955 - 1966	1576666
J	286m N	Unspecified Heap	1966	1539090



ID	Location	Land use	Dates present	Group ID
I	287m E	Chemical Works	1892	1581684
J	287m N	Railway Building	1948	1493863
J	289m N	Railway Building	1905	1523867
N	297m NE	Railway Sidings	1955	1489688
N	297m NE	Railway Sidings	1938	1577941
N	299m NE	Railway Sidings	1892	1526145
N	305m NE	Railway Sidings	1905	1490903
N	305m NE	Railway Sidings	1948	1550812
N	307m NE	Unspecified Commercial/Industrial	1938	1495879
J	317m N	Railway Building	1905	1506523
J	317m N	Railway Building	1948	1566966
J	318m N	Railway Building	1948	1483306
J	318m N	Railway Building	1905	1533415
N	318m NE	Gas Works	1892	1564890
J	327m N	Unspecified Commercial/Industrial	1974 - 1988	1535142
J	327m N	Unspecified Commercial/Industrial	1967	1572906
N	328m NE	Unspecified Works	1992	1481276
P	329m NW	Cuttings	1966 - 1993	1486680
P	329m NW	Cuttings	1951	1557077
7	331m W	Unspecified Heap	1982 - 1993	1538556
N	331m NE	Gas Works	1905	1516388
J	341m N	Unspecified Depot	1974 - 1981	1561993
N	341m NE	Unspecified Tanks	1983	1569944
N	341m NE	Unspecified Tanks	1973	1581719
N	341m N	Unspecified Works	1971 - 1973	1547906
K	342m NW	Cuttings	1905	1508087
K	342m NW	Cuttings	1938 - 1948	1578453
9	345m NE	Unspecified Works	1983	1563712



ID	Location	Land use	Dates present	Group ID
10	348m N	Unspecified Works	1988	1460384
N	349m N	Railway Sidings	1957	1545280
N	362m NE	Unspecified Commercial/Industrial	1957	1578376
N	363m NE	Refuse Heap	1948	1575132
L	363m SE	Cuttings	1905	1511210
L	363m SE	Cuttings	1938 - 1948	1516823
M	367m NE	Unspecified Ground Workings	1938	1561411
Q	368m NW	Railway Sidings	1967	1533732
N	368m NE	Refuse Heap	1938	1533051
Q	374m NW	Railway Sidings	1955	1539601
N	389m NE	Refuse Heap	1905	1506457
Q	409m NW	Railway Sidings	1938 - 1948	1487462
N	410m NE	Unspecified Tank	1971 - 1980	1573106
L	411m SE	Cuttings	1983	1526099
R	433m NW	Railway Sidings	1955	1536661
S	434m NE	Unspecified Tank	1973 - 1983	1509122
N	451m NE	Unspecified Tank	1957	1473144
R	467m NW	Railway Sidings	1938	1540099
V	472m SE	Cuttings	1938	1490134
R	473m NW	Railway Sidings	1948	1483248
R	473m NW	Railway Sidings	1905	1568738
V	474m SE	Cuttings	1948	1503823
V	474m SE	Cuttings	1905	1535818
V	474m SE	Cuttings	1955 - 1973	1525677
W	492m NE	Unspecified Ground Workings	1905	1483539
W	497m NE	Unspecified Ground Workings	1938	1534765

This data is sourced from Ordnance Survey® / Groundsure.



1.2 Historical tanks

Records within 500m

40

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

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
E	203m W	Tanks	1989 - 1996	249397
F	216m NE	Unspecified Tank	1972	243557
I	275m NE	Tanks	1972	236228
I	286m NE	Tanks	1953	249849
I	286m NE	Tanks	1972	260415
I	288m NE	Unspecified Tanks	1969	236792
I	290m NE	Tanks	1953	236232
I	299m E	Unspecified Tank	1972	254162
I	299m E	Unspecified Tank	1953	259429
I	300m E	Unspecified Tanks	1969	236790
I	319m E	Unspecified Tank	1953 - 1972	259404
I	325m E	Tanks	1953	236231
N	327m NE	Unspecified Tank	1972 - 1994	253229
I	327m E	Unspecified Tanks	1969	236791
8	331m S	Unspecified Tank	1955	243522
N	355m NE	Unspecified Tank	1972	243556
N	355m NE	Unspecified Tanks	1969	236793
N	361m NE	Unspecified Tank	1972	252854
N	368m NE	Unspecified Tank	1972	243555
N	370m NE	Unspecified Tank	1992	243565
N	370m NE	Unspecified Tank	1968	246525



ID	Location	Land use	Dates present	Group ID
N	374m NE	Unspecified Tank	1972	237392
M	376m NE	Tanks	1972	236227
N	376m NE	Tanks	1968	236224
M	377m NE	Unspecified Tank	1969	243575
M	381m NE	Unspecified Tank	1969	243576
N	383m NE	Tanks	1968	236230
M	385m NE	Unspecified Tank	1969	243574
M	388m NE	Unspecified Tank	1969	243573
N	397m NE	Tanks	1968	236229
N	413m NE	Unspecified Tank	1968	243560
S	433m NE	Unspecified Tank	1969 - 1972	250169
N	454m NE	Unspecified Tank	1953 - 1955	252104
T	466m NW	Unspecified Tank	1954 - 1965	247043
U	470m S	Unspecified Tank	1954 - 1969	260114
U	470m S	Unspecified Tank	1984	252078
T	478m NW	Tanks	1954 - 1955	253569
T	482m NW	Unspecified Tanks	1937	236748
T	491m NW	Tanks	1954 - 1955	247051
T	494m NW	Tanks	1989	262353

This data is sourced from Ordnance Survey® / Groundsure.

1.3 Historical energy features

Records within 500m

18

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

Features are displayed on the Past land use map on [page 14 >](#)



ID	Location	Land use	Dates present	Group ID
F	221m N	Electricity Substation	1954	150931
F	222m N	Electricity Substation	1955	159740
H	227m S	Electricity Substation	1954 - 1955	150940
E	247m W	Electricity Substation	1954	160554
H	252m S	Electricity Substation	1990	142939
E	261m W	Electricity Substation	1955	161148
6	276m NW	Electricity Substation	1972 - 1996	146836
O	301m W	Electricity Substation	1989 - 1996	148501
O	301m W	Electricity Substation	1954 - 1955	148899
O	304m W	Electricity Substation	1972	147611
I	307m NE	Electricity Substation	1953 - 1972	148862
J	317m N	Electricity Substation	1954 - 1955	160881
J	337m N	Electricity Substation	1972	158607
J	337m N	Electricity Substation	1989	142942
J	337m N	Electricity Substation	1987 - 1996	156029
N	347m NE	Electricity Substation	1972	143240
J	429m N	Corporation Gas Works	1922	144875
N	479m NE	Electricity Substation	1968 - 1992	149362

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

5

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

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
T	466m NW	Garage	1955	50194
T	467m NW	Garage	1989	47367
T	467m NW	Garage	1972	46649
T	468m NW	Garage	1960 - 1967	46924
T	468m NW	Garage	1954	52091

This data is sourced from Ordnance Survey® / Groundsure.

1.6 Historical military land

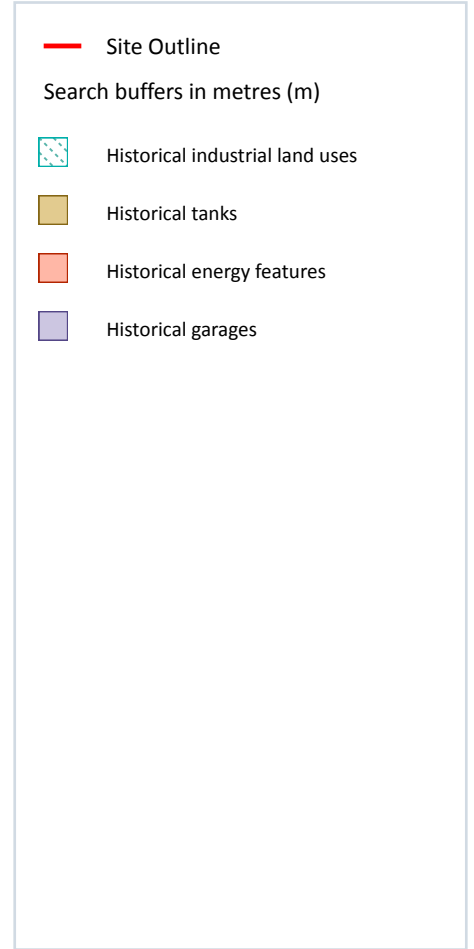
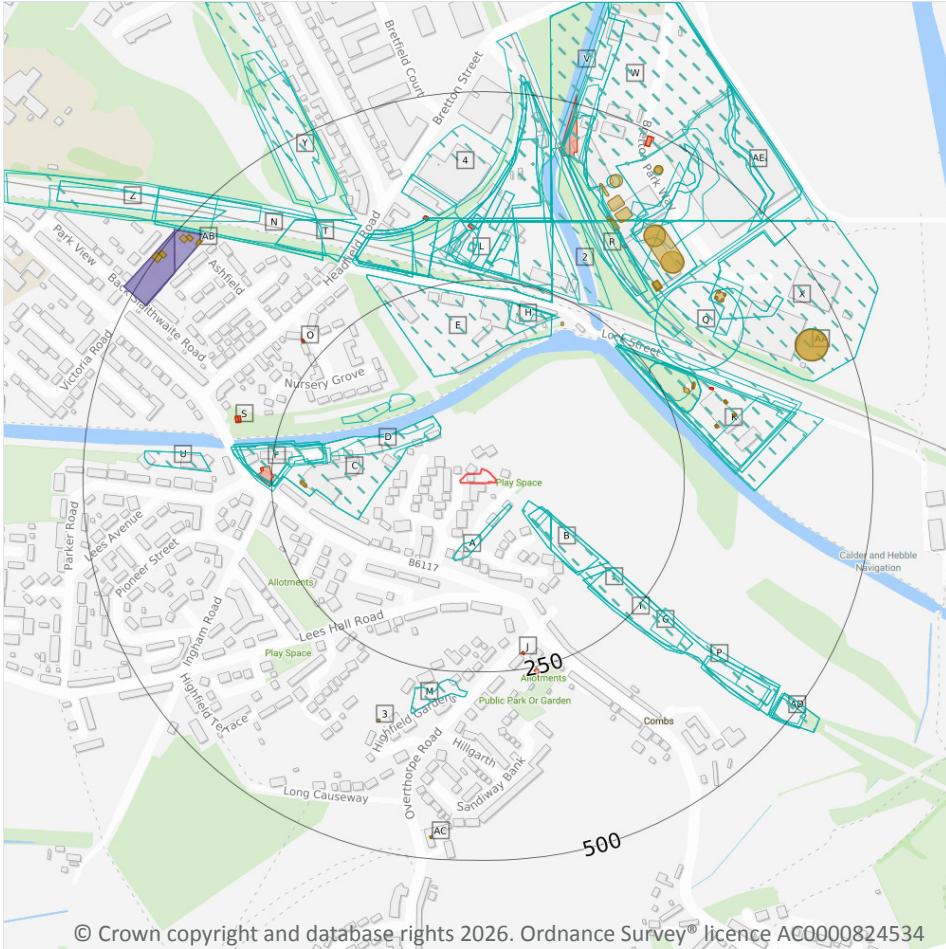
Records within 500m

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



2.1 Historical industrial land uses

Records within 500m

151

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 23](#) >

ID	Location	Land Use	Date	Group ID
A	34m SE	Unspecified Ground Workings	1982	1574380
A	34m SE	Unspecified Ground Workings	1966	1574380
B	50m SE	Cuttings	1948	1486624

ID	Location	Land Use	Date	Group ID
B	50m SE	Cuttings	1905	1524035
B	61m SE	Cuttings	1951	1509725
1	61m SE	Cuttings	1938	1497933
C	63m NW	Unspecified Mills	1993	1498801
C	63m NW	Unspecified Mills	1982	1498801
C	63m NW	Unspecified Mills	1966	1503576
B	74m SE	Cuttings	1966	1538431
D	74m NW	Unspecified Ground Workings	1951	1440875
B	84m SE	Cuttings	1955	1509649
B	84m SE	Cuttings	1966	1509649
D	118m NW	Unspecified Pit	1905	1452774
E	132m N	Unspecified Commercial/Industrial	1993	1431547
E	132m N	Unspecified Works	1982	1459932
D	134m NW	Unspecified Ground Workings	1951	1440876
F	173m W	Unspecified Mills	1938	1494647
G	174m SE	Cuttings	1955	1531656
G	174m SE	Cuttings	1966	1531656
G	174m SE	Cuttings	1973	1531656
F	177m W	Unspecified Mills	1892	1543018
F	180m W	Unspecified Mills	1951	1551006
H	183m N	Unspecified Mill	1892	1448744
F	183m W	Unspecified Mills	1948	1551006
F	183m W	Unspecified Mills	1905	1489307
I	185m SE	Cuttings	1948	1492613
I	185m SE	Cuttings	1905	1538973
H	199m N	Laundry	1905	1470425
K	235m NE	Old Chemical Works	1948	1446148
K	235m NE	Refuse Heap	1948	1508608



ID	Location	Land Use	Date	Group ID
K	235m NE	Chemical Works	1905	1548442
L	238m N	Unspecified Depot	1993	1502343
L	238m N	Unspecified Depot	1982	1536244
L	238m N	Railway Sidings	1966	1481831
L	238m N	Unspecified Works	1966	1563713
K	239m NE	Chemical Works	1938	1506356
K	241m NE	Chemical Works	1955	1500495
K	241m NE	Unspecified Works	1966	1460577
K	246m NE	Unspecified Depot	1992	1445476
K	247m NE	Unspecified Heap	1992	1572003
K	247m NE	Refuse Heap	1955	1483703
K	247m NE	Unspecified Heap	1983	1572003
K	247m NE	Refuse Heap	1966	1483703
K	247m NE	Unspecified Heap	1973	1572003
L	247m N	Carriage and Wagon Works	1892	1447487
L	251m N	Unspecified Commercial/Industrial	1951	1489259
L	251m N	Railway Sidings	1951	1516370
2	253m NE	Cuttings	1955	1433134
L	253m N	Unspecified Commercial/Industrial	1938	1497508
L	255m N	Railway Sidings	1938	1532361
L	258m N	Railway Sidings	1892	1491621
L	260m N	Railway Sidings	1966	1481831
M	261m S	Unspecified Ground Workings	1982	1570031
M	261m S	Unspecified Ground Workings	1966	1570031
L	263m N	Railway Sidings	1948	1524131
L	263m N	Railway Sidings	1905	1492603
N	265m N	Cuttings	1892	1577352
L	265m N	Cuttings	1993	1504129



ID	Location	Land Use	Date	Group ID
L	265m N	Cuttings	1982	1504129
L	265m N	Cuttings	1966	1504129
L	265m N	Cuttings	1951	1574916
L	270m N	Unspecified Heap	1892	1519746
L	270m N	Railway Building	1905	1523317
L	270m N	Cuttings	1948	1508868
L	270m N	Cuttings	1905	1529614
L	271m N	Cuttings	1938	1508868
L	274m N	Railway Building	1948	1574893
P	279m SE	Refuse Heap	1983	1435224
Q	279m NE	Junction Station	1955	1576666
Q	279m NE	Junction Station	1966	1576666
L	286m N	Unspecified Heap	1966	1539090
K	287m E	Chemical Works	1892	1581684
L	287m N	Railway Building	1948	1493863
L	289m N	Railway Building	1905	1523867
R	297m NE	Railway Sidings	1955	1489688
R	297m NE	Railway Sidings	1938	1577941
R	299m NE	Railway Sidings	1892	1526145
R	305m NE	Railway Sidings	1948	1550812
R	305m NE	Railway Sidings	1905	1490903
R	307m NE	Unspecified Commercial/Industrial	1938	1495879
L	317m N	Railway Building	1948	1566966
L	317m N	Railway Building	1905	1506523
L	318m N	Railway Building	1948	1483306
L	318m N	Railway Building	1905	1533415
R	318m NE	Gas Works	1892	1564890
L	327m N	Unspecified Commercial/Industrial	1988	1535142



ID	Location	Land Use	Date	Group ID
L	327m N	Unspecified Commercial/Industrial	1981	1535142
L	327m N	Unspecified Commercial/Industrial	1974	1535142
L	327m N	Unspecified Commercial/Industrial	1967	1572906
L	327m N	Railway Sidings	1967	1481831
L	327m N	Railway Sidings	1955	1516370
L	327m N	Unspecified Commercial/Industrial	1955	1489259
R	328m NE	Unspecified Works	1992	1481276
T	329m NW	Cuttings	1993	1486680
T	329m NW	Cuttings	1982	1486680
T	329m NW	Cuttings	1966	1486680
T	329m NW	Cuttings	1951	1557077
U	331m W	Unspecified Heap	1993	1538556
U	331m W	Unspecified Heap	1982	1538556
R	331m NE	Gas Works	1905	1516388
L	341m N	Unspecified Depot	1981	1561993
L	341m N	Unspecified Depot	1974	1561993
R	341m NE	Unspecified Tanks	1983	1569944
R	341m NE	Unspecified Tanks	1973	1581719
R	341m N	Unspecified Works	1971	1547906
V	341m N	Railway Sidings	1992	1516370
V	341m N	Railway Sidings	1971	1516370
V	341m N	Railway Sidings	1980	1516370
W	341m N	Unspecified Works	1992	1563713
W	341m N	Unspecified Works	1980	1563713
N	342m NW	Cuttings	1948	1578453
N	342m NW	Cuttings	1905	1508087
N	344m NW	Cuttings	1938	1578453
X	345m NE	Unspecified Works	1983	1563712



ID	Location	Land Use	Date	Group ID
X	345m NE	Unspecified Works	1973	1547906
4	348m N	Unspecified Works	1988	1460384
R	349m N	Railway Sidings	1957	1545280
R	362m NE	Unspecified Commercial/Industrial	1957	1578376
R	363m NE	Refuse Heap	1948	1575132
P	363m SE	Cuttings	1948	1516823
P	363m SE	Cuttings	1905	1511210
Q	367m NE	Unspecified Ground Workings	1938	1561411
Q	367m NE	Unspecified Ground Workings	1938	1561411
Y	368m NW	Railway Sidings	1967	1533732
P	368m SE	Cuttings	1938	1516823
R	368m NE	Refuse Heap	1938	1533051
R	368m NE	Refuse Heap	1938	1533051
Y	374m NW	Railway Sidings	1955	1539601
R	389m NE	Refuse Heap	1905	1506457
Y	409m NW	Railway Sidings	1948	1487462
Y	409m NW	Railway Sidings	1938	1487462
R	410m NE	Unspecified Tank	1971	1573106
R	410m NE	Unspecified Tank	1980	1573106
P	411m SE	Cuttings	1983	1526099
Z	433m NW	Railway Sidings	1955	1536661
AA	434m NE	Unspecified Tank	1983	1509122
AA	434m NE	Unspecified Tank	1973	1509122
R	451m NE	Unspecified Tank	1957	1473144
Z	467m NW	Railway Sidings	1938	1540099
AD	472m SE	Cuttings	1938	1490134
Z	473m NW	Railway Sidings	1948	1483248
Z	473m NW	Railway Sidings	1905	1568738



ID	Location	Land Use	Date	Group ID
AD	474m SE	Cuttings	1948	1503823
AD	474m SE	Cuttings	1905	1535818
AD	474m SE	Cuttings	1955	1525677
AD	474m SE	Cuttings	1966	1525677
AD	474m SE	Cuttings	1973	1525677
AE	492m NE	Unspecified Ground Workings	1905	1483539
AE	497m NE	Unspecified Ground Workings	1938	1534765
AE	497m NE	Unspecified Ground Workings	1938	1534765

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m

55

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 23 >](#)

ID	Location	Land Use	Date	Group ID
F	203m W	Tanks	1996	249397
F	204m W	Tanks	1989	249397
H	216m NE	Unspecified Tank	1972	243557
K	275m NE	Tanks	1972	236228
K	286m NE	Tanks	1953	249849
K	286m NE	Tanks	1972	260415
K	288m NE	Unspecified Tanks	1969	236792
K	290m NE	Tanks	1953	236232
K	299m E	Unspecified Tank	1953	259429
K	299m E	Unspecified Tank	1972	254162
K	300m E	Unspecified Tanks	1969	236790
K	319m E	Unspecified Tank	1953	259404



ID	Location	Land Use	Date	Group ID
K	319m E	Unspecified Tank	1972	259404
K	320m E	Unspecified Tank	1969	259404
K	325m E	Tanks	1953	236231
R	327m NE	Unspecified Tank	1972	253229
K	327m E	Unspecified Tanks	1969	236791
R	327m NE	Unspecified Tank	1989	253229
R	329m NE	Unspecified Tank	1994	253229
3	331m S	Unspecified Tank	1955	243522
R	355m NE	Unspecified Tank	1972	243556
R	355m NE	Unspecified Tanks	1969	236793
R	361m NE	Unspecified Tank	1972	252854
R	368m NE	Unspecified Tank	1972	243555
R	370m NE	Unspecified Tank	1992	243565
R	370m NE	Unspecified Tank	1968	246525
R	374m NE	Unspecified Tank	1972	237392
Q	376m NE	Tanks	1972	236227
R	376m NE	Tanks	1968	236224
Q	377m NE	Unspecified Tank	1969	243575
Q	381m NE	Unspecified Tank	1969	243576
R	383m NE	Tanks	1968	236230
Q	385m NE	Unspecified Tank	1969	243574
Q	388m NE	Unspecified Tank	1969	243573
R	397m NE	Tanks	1968	236229
R	413m NE	Unspecified Tank	1968	243560
AA	433m NE	Unspecified Tank	1972	250169
AA	434m NE	Unspecified Tank	1969	250169
R	454m NE	Unspecified Tank	1953	252104
R	454m NE	Unspecified Tank	1955	252104



ID	Location	Land Use	Date	Group ID
AB	466m NW	Unspecified Tank	1955	247043
AB	467m NW	Unspecified Tank	1954	247043
AB	467m NW	Unspecified Tank	1965	247043
AC	470m S	Unspecified Tank	1955	260114
AC	470m S	Unspecified Tank	1969	260114
AC	470m S	Unspecified Tank	1960	260114
AC	470m S	Unspecified Tank	1954	260114
AC	470m S	Unspecified Tank	1984	252078
AB	478m NW	Tanks	1954	253569
AB	478m NW	Tanks	1955	253569
AB	482m NW	Unspecified Tanks	1937	236748
AB	491m NW	Tanks	1955	247051
AB	491m NW	Tanks	1954	247051
AB	494m NW	Tanks	1989	262353
AB	494m NW	Tanks	1989	262353

This data is sourced from Ordnance Survey® / Groundsure.

2.3 Historical energy features

Records within 500m

30

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 23 >](#)

ID	Location	Land Use	Date	Group ID
H	221m N	Electricity Substation	1954	150931
H	222m N	Electricity Substation	1955	159740
J	227m S	Electricity Substation	1955	150940
J	227m S	Electricity Substation	1954	150940
F	247m W	Electricity Substation	1954	160554



ID	Location	Land Use	Date	Group ID
J	252m S	Electricity Substation	1990	142939
F	261m W	Electricity Substation	1955	161148
O	276m NW	Electricity Substation	1996	146836
O	278m NW	Electricity Substation	1972	146836
O	278m NW	Electricity Substation	1989	146836
S	301m W	Electricity Substation	1996	148501
S	301m W	Electricity Substation	1955	148899
S	301m W	Electricity Substation	1954	148899
S	302m W	Electricity Substation	1989	148501
S	304m W	Electricity Substation	1972	147611
K	307m NE	Electricity Substation	1953	148862
K	307m NE	Electricity Substation	1972	148862
K	309m NE	Electricity Substation	1969	148862
L	317m N	Electricity Substation	1954	160881
L	318m N	Electricity Substation	1955	160881
L	337m N	Electricity Substation	1972	158607
L	337m N	Electricity Substation	1989	142942
L	337m N	Electricity Substation	1994	156029
L	337m N	Electricity Substation	1996	156029
L	337m N	Electricity Substation	1991	156029
L	337m N	Electricity Substation	1987	156029
R	347m NE	Electricity Substation	1972	143240
V	429m N	Corporation Gas Works	1922	144875
R	479m NE	Electricity Substation	1968	149362
R	480m NE	Electricity Substation	1992	149362

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

8

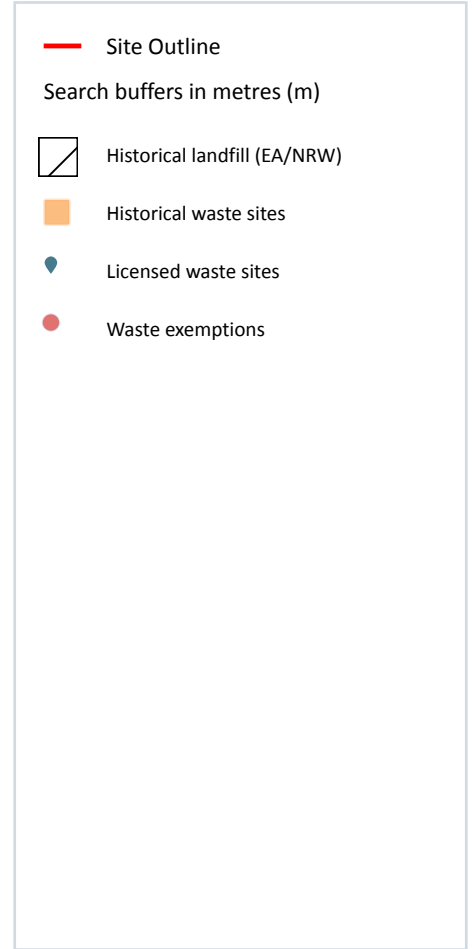
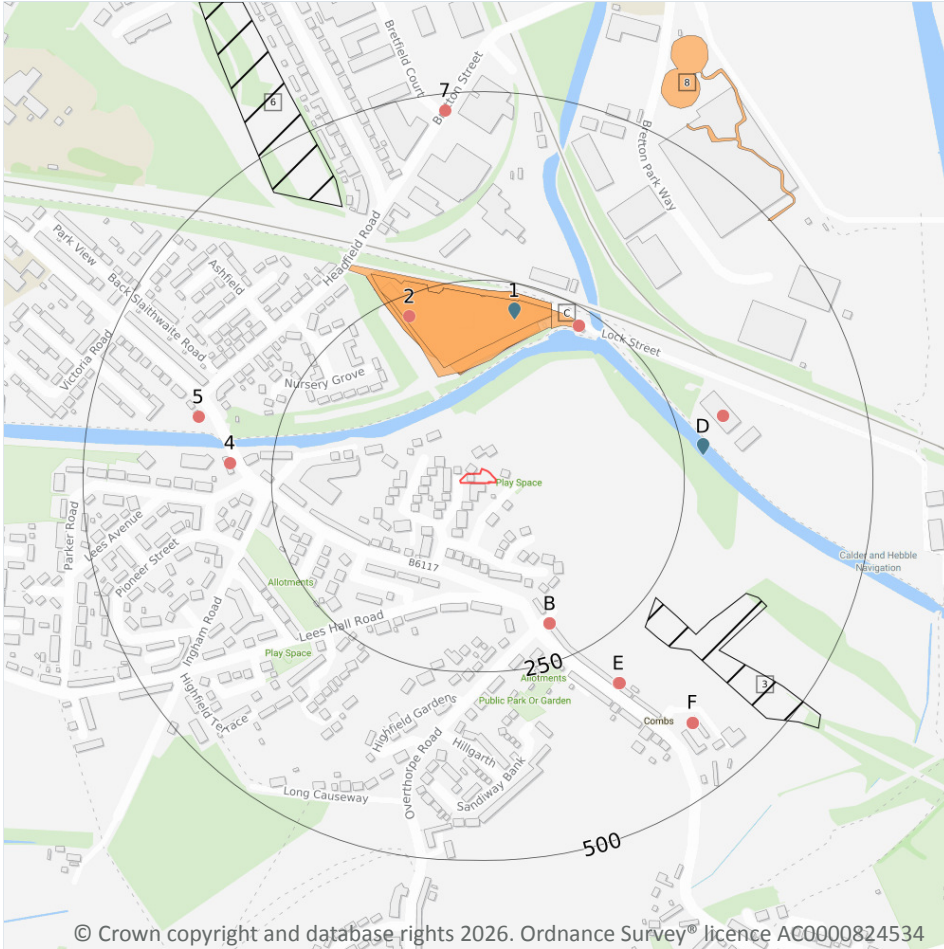
Garages digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 23 >](#)

ID	Location	Land Use	Date	Group ID
AB	466m NW	Garage	1955	50194
AB	467m NW	Garage	1989	47367
AB	467m NW	Garage	1972	46649
AB	468m NW	Garage	1960	46924
AB	468m NW	Garage	1954	52091
AB	468m NW	Garage	1967	46924
AB	469m NW	Garage	1989	47367
AB	469m NW	Garage	1989	47367

This data is sourced from Ordnance Survey® / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m **0**

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

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

3.2 Historical landfill (BGS records)

Records within 500m **0**

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

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 34 >](#)

ID	Location	Details		
3	262m SE	Site Address: Disused Railway Cutting and Gully at Parkhouse Farm, Thornhill, Dewsbury Licence Holder Address: Ravenswharfe Road, Scour Hill, Dewsbury	Waste Licence: Yes Site Reference: 4700/0365, 97 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 24/09/1979 Licence Surrender: 09/05/1989	Operator: - Licence Holder: L Hinchcliffe and Sons First Recorded 31/12/1983 Last Recorded: 15/02/1989
6	391m NW	Site Address: Railway Cutting off Savile Road, Savile Town, Dewsbury Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Inert, Industrial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded 01/01/1996 Last Recorded: 31/12/1999

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 34 >](#)

ID	Location	Address	Further Details	Date
A	128m 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	1996
A	129m N	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
A	131m N	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1972
A	143m N	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1965
C	207m NE	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1972
8	498m NE	Site Address: N/A	Type of Site: Ground Workings and Refuse Heap Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955

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

3.6 Licensed waste sites

Records within 500m

3

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

Features are displayed on the Waste and landfill map on [page 34 >](#)



ID	Location	Details		
1	213m N	Site Name: Autowell Motor Factors Site Address: Units 13 & 14, Lock Street, Dewsbury, West Yorkshire, WF12 9BZ Correspondence Address: -	Type of Site: Metal recycling, vehicle storage & depollution Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 665590 EPR reference: EA/EPR/ZP3894ZV Operator: Mohammed Akram Waste Management licence No: 65066 Annual Tonnage: 29998	Issue Date: 15/02/2000 Effective Date: 15/02/2000 Modified: 30/05/2024 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	278m E	Site Name: Autowell Motor Factors Site Address: Units 13 & 14, Lock Street, Headfield Road, Dewsbury, West Yorkshire, WF12 9BZ Correspondence Address: -	Type of Site: Metal recycling, vehicle storage & depollution Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SAF002 EPR reference: EA/EPR/ZP3894ZV/V002 Operator: Akram Mohammed Waste Management licence No: 65066 Annual Tonnage: 29998	Issue Date: 15/02/2000 Effective Date: 26/11/2002 Modified: 06/04/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	278m E	Site Name: A1 Autospares Site Address: Units 13 & 14, Lock Street, Headfield Road, Dewsbury, West Yorkshire, WF12 9BZ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SAF002 EPR reference: EA/EPR/ZP3894ZV/T001 Operator: Akram Mohammed Waste Management licence No: 65066 Annual Tonnage: 4999	Issue Date: 15/02/2000 Effective Date: 26/11/2002 Modified: - Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Transferred

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

3.7 Waste exemptions

Records within 500m	108
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 34 >](#)



ID	Location	Site	Reference	Category	Sub-Category	Description
B	201m S	-	WEX466344	Disposing of waste exemption	On a farm	Burning waste in the open
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Using waste exemption	On a farm	Use of waste in construction
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Using waste exemption	On a farm	Use of waste derived biodiesel as fuel
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Using waste exemption	On a farm	Use of waste for a specified purpose
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Disposing of waste exemption	On a farm	Deposit of waste from a portable sanitary convenience
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Storing waste exemption	On a farm	Storage of waste in secure containers
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Storing waste exemption	On a farm	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Storing waste exemption	On a farm	Storage of sludge
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Using waste exemption	On a farm	Use of mulch
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Using waste exemption	On a farm	Use of waste to manufacture finished goods
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Treating waste exemption	On a farm	Screening and blending of waste
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Treating waste exemption	On a farm	Treatment of waste food
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Disposing of waste exemption	On a farm	Disposal by incineration
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX207708	Disposing of waste exemption	On a farm	Burning waste in the open
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Disposing of waste exemption	On a farm	Deposit of waste from a portable sanitary convenience



ID	Location	Site	Reference	Category	Sub-Category	Description
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Using waste exemption	On a farm	Use of mulch
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Using waste exemption	On a farm	Use of waste to manufacture finished goods
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Treating waste exemption	On a farm	Screening and blending of waste
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Treating waste exemption	On a farm	Treatment of waste food
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Disposing of waste exemption	On a farm	Disposal by incineration
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Disposing of waste exemption	On a farm	Burning waste in the open
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Using waste exemption	On a farm	Use of waste in construction
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Using waste exemption	On a farm	Use of waste derived biodiesel as fuel



ID	Location	Site	Reference	Category	Sub-Category	Description
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Using waste exemption	On a farm	Use of waste for a specified purpose
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Storing waste exemption	On a farm	Storage of waste in secure containers
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Storing waste exemption	On a farm	Storage of waste in a secure place
B	201m S	Calder View Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX333650	Storing waste exemption	On a farm	Storage of sludge
2	222m N	Rose Garage Lock Street Dewsbury West Yorkshire Wf12 9bz	EPR/AH0311DJ /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
C	227m NE	Unit 35, Lock Street, Dewsbury, Wf12 9bz	WEX237277	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	227m NE	Unit 35, Lock Street, Dewsbury, Wf12 9bz	WEX364241	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)



ID	Location	Site	Reference	Category	Sub-Category	Description
4	306m W	140a, Slaithwaite Road, Dewsbury, Wf12 9dw	WEX090436	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
D	312m E	Unit 28, Lock Street, Dewsbury, Wf12 9bz	WEX244735	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	312m E	Unit 28, Lock Street, Dewsbury, Wf12 9bz	WEX372328	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Disposing of waste exemption	On a farm	Disposal by incineration
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Disposing of waste exemption	On a farm	Burning waste in the open
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Screening and blending of waste
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Use of mulch
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Use of waste to manufacture finished goods
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Storing waste exemption	On a farm	Storage of waste in a secure place
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Storing waste exemption	On a farm	Storage of sludge



ID	Location	Site	Reference	Category	Sub-Category	Description
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Disposing of waste exemption	On a farm	Deposit of waste from a portable sanitary convenience
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Storing waste exemption	On a farm	Storage of waste in secure containers
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Use of waste derived biodiesel as fuel
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Use of waste in construction
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Use of waste for a specified purpose
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Treatment of waste food



ID	Location	Site	Reference	Category	Sub-Category	Description
E	313m SE	37 The Common Dewsbury Kirklees Wf12 0lj	EPR/GF0803C/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
5	358m W	140a, Slaithwaite Road, Dewsbury, Wf12 9dw	WEX429018	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Disposal by incineration
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste food
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Screening and blending of waste
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch



ID	Location	Site	Reference	Category	Sub-Category	Description
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste to manufacture finished goods
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from a portable sanitary convenience
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Using waste exemption	Agricultural waste only	Pig and poultry ash
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Cleaning, washing, spraying or coating relevant waste
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Aerobic composting and associated prior treatment
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Preparatory treatments (baling, sorting, shredding etc)
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising



ID	Location	Site	Reference	Category	Sub-Category	Description
4	306m W	140a, Slaithwaite Road, Dewsbury, Wf12 9dw	WEX090436	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
D	312m E	Unit 28, Lock Street, Dewsbury, Wf12 9bz	WEX244735	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	312m E	Unit 28, Lock Street, Dewsbury, Wf12 9bz	WEX372328	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Disposing of waste exemption	On a farm	Disposal by incineration
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Disposing of waste exemption	On a farm	Burning waste in the open
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Screening and blending of waste
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Use of mulch
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Use of waste to manufacture finished goods
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Storing waste exemption	On a farm	Storage of waste in a secure place
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Storing waste exemption	On a farm	Storage of sludge



ID	Location	Site	Reference	Category	Sub-Category	Description
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Disposing of waste exemption	On a farm	Deposit of waste from a portable sanitary convenience
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Storing waste exemption	On a farm	Storage of waste in secure containers
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Use of waste derived biodiesel as fuel
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Use of waste in construction
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Using waste exemption	On a farm	Use of waste for a specified purpose
E	312m SE	Calderview Farm, The Common, Thornhill, Dewsbury, Wf12 0lj	WEX055563	Treating waste exemption	On a farm	Treatment of waste food



ID	Location	Site	Reference	Category	Sub-Category	Description
E	313m SE	37 The Common Dewsbury Kirklees Wf12 0lj	EPR/GF0803C/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
5	358m W	140a, Slaithwaite Road, Dewsbury, Wf12 9dw	WEX429018	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Disposal by incineration
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste food
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Screening and blending of waste
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch



ID	Location	Site	Reference	Category	Sub-Category	Description
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste to manufacture finished goods
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from a portable sanitary convenience
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Using waste exemption	Agricultural waste only	Pig and poultry ash
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Cleaning, washing, spraying or coating relevant waste
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Aerobic composting and associated prior treatment
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Preparatory treatments (baling, sorting, shredding etc)
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising

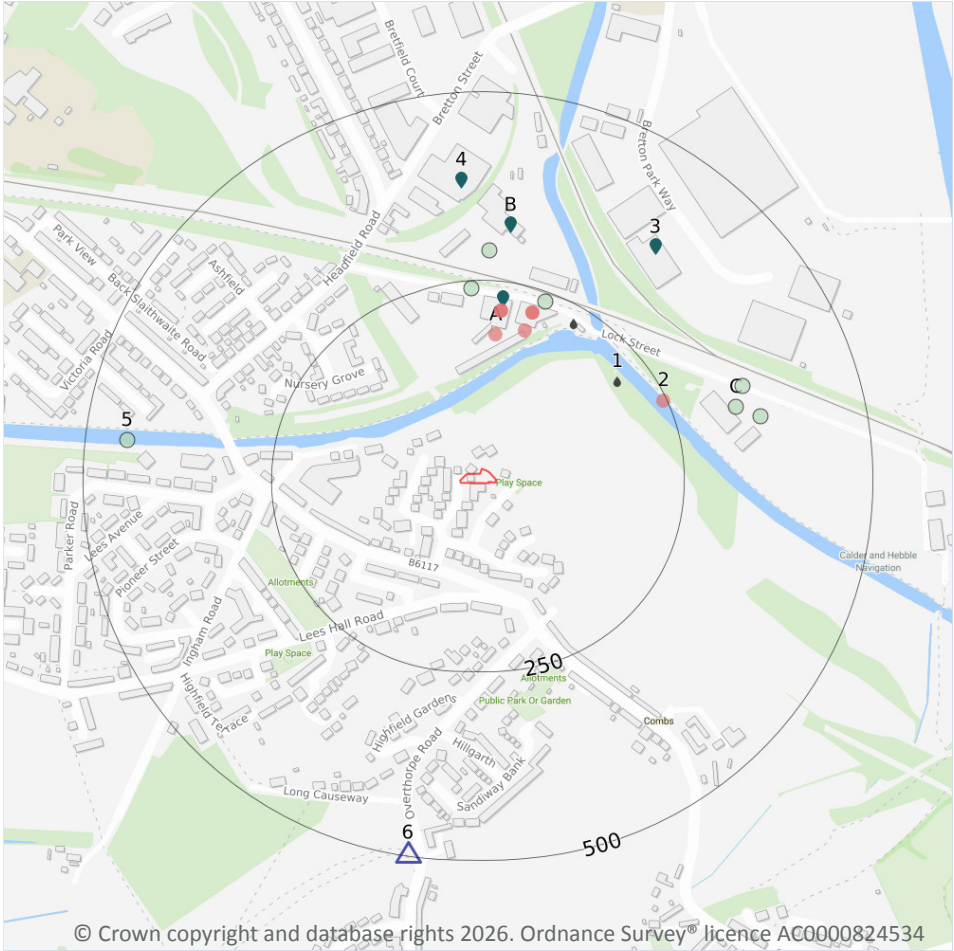


ID	Location	Site	Reference	Category	Sub-Category	Description
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading of plant matter to confer benefit
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Using waste exemption	Both agricultural and non-agricultural waste	Incorporation of ash into soil
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of baled end-of-life tyres in construction
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Using waste exemption	Both agricultural and non-agricultural waste	Burning of waste as a fuel in a small appliance
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste derived biodiesel as fuel
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
F	412m SE	Calderview Farm The Common Dewsbury West Yorkshire Wf12 0lj	EPR/ZE5181KK /A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
7	477m N	Bretfield Court Bretton Street Dewsbury West Yorkshire Wf12 9db	EPR/YE5857W A/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place

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 **7**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 47](#) >

ID	Location	Company	Address	Activity	Category
A	179m N	Recycling Business	West Yorkshire, WF12	Recycling Centres	Infrastructure and Facilities
A	192m N	Crane	West Yorkshire, WF12	Travelling Cranes and Gantries	Industrial Features

ID	Location	Company	Address	Activity	Category
A	212m N	Lock Street Garage & MOT Centre	Unit 1 Lock Street Units, Lock Street, Thornhill Lees, Dewsbury, West Yorkshire, WF12 9BZ	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	212m N	M & H Tyre Junction	Unit 1, Lock Street Units, Lock Street, Thornhill Lees, Dewsbury, West Yorkshire, WF12 9BZ	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	218m N	Auto Well	Unit 10 to 14 Lock Street Units, Lock Street, Thornhill Lees, Dewsbury, West Yorkshire, WF12 9BZ	Scrap Metal Merchants	Recycling Services
A	218m N	Auto Well Motor Factors	Unit 10 to 14 Lock Street Units, Lock Street, Thornhill Lees, Dewsbury, West Yorkshire, WF12 9BZ	Vehicle Parts and Accessories	Motoring
2	246m NE	Mooring Posts	West Yorkshire, WF12	Moorings and Unloading Facilities	Water

This data is sourced from Ordnance Survey®.

4.2 National Geographic Database (NGD) - Current or recent tanks

Records within 250m	0
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Current or recent tanks identified from the Ordnance Survey® NGD.

This data is sourced from Ordnance Survey®.

4.3 Current or recent petrol stations

Records within 500m	1
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Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 47 >](#)

ID	Location	Company	Address	LPG	Status
6	495m S	OBSOLETE	Overthorpe Road, Thornhill Edge, Dewsbury, West Yorkshire, WF12 0RE	Not Applicable	Obsolete

This data is sourced from Experian.



4.4 Electricity cables

Records within 500m	0
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High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m	0
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High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 Sites determined as Contaminated Land

Records within 500m	0
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Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.7 Control of Major Accident Hazards (COMAH)

Records within 500m	0
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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.

4.8 Regulated explosive sites

Records within 500m	0
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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.

4.9 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.

4.10 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.

4.11 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.

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

Records within 500m

4

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 47 >](#)

ID	Location	Address	Details	
A	227m N	Arif Auto, 18 Lock Street, Thornhill Lees, Dewsbury, WF12 8BZ	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
B	325m N	Breedon Cement Ltd, Bretton Street, Savile Town, Dewsbury, WF12 9BJ	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
3	371m NE	Blue Spot Furniture Ltd, Unit 500, Bretton Park Industrial Estate, Bretton Park Way, Dewsbury, WF12 9BS	Process: Timber Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
4	384m N	Oracle Designs Ltd, Bretton Street, Dewsbury, WF12 9BL	Process: Printing 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.

4.13 Radioactive Substance Authorisations

Records within 500m	0
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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.

4.14 Licensed Discharges to controlled waters

Records within 500m	2
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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 47 >](#)

ID	Location	Address	Details	
1	207m NE	THORNHILL PARK AVENUE CSO, LOCK STREET, THORNHILL LEES, DEWSBURY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: YWUCD2/30 Permit Version: 1 Receiving Water: RIVER CALDER	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/11/1997 Effective Date: 12/11/1997 Revocation Date: -
A	226m NE	BRITISH WATERWAYS BOARD, THORNHILL LEES LOCK HOUSE, THORNHILL, DEWSBURY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 1214 Permit Version: 1 Receiving Water: CALDER AND HEBBLE NAVIGATION	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 16/09/1960 Effective Date: 16/09/1960 Revocation Date: -

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



4.15 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.

4.16 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.

4.17 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.

4.18 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.

4.19 Pollution Incidents (EA/NRW)

Records within 500m

7

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

Features are displayed on the Current industrial land use map on [page 47 >](#)



ID	Location	Details	
A	237m N	Incident Date: 25/09/2003 Incident Identification: 192513 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
A	240m N	Incident Date: 03/09/2003 Incident Identification: 187250 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	290m N	Incident Date: 05/05/2002 Incident Identification: 76655 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	332m E	Incident Date: 26/08/2003 Incident Identification: 184987 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
C	350m E	Incident Date: 14/09/2002 Incident Identification: 107780 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
C	361m E	Incident Date: 15/10/2001 Incident Identification: 36745 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
5	445m W	Incident Date: 01/08/2018 Incident Identification: 1639455 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.20 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.



4.21 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.

4.22 Pollution inventory radioactive waste

Records within 500m

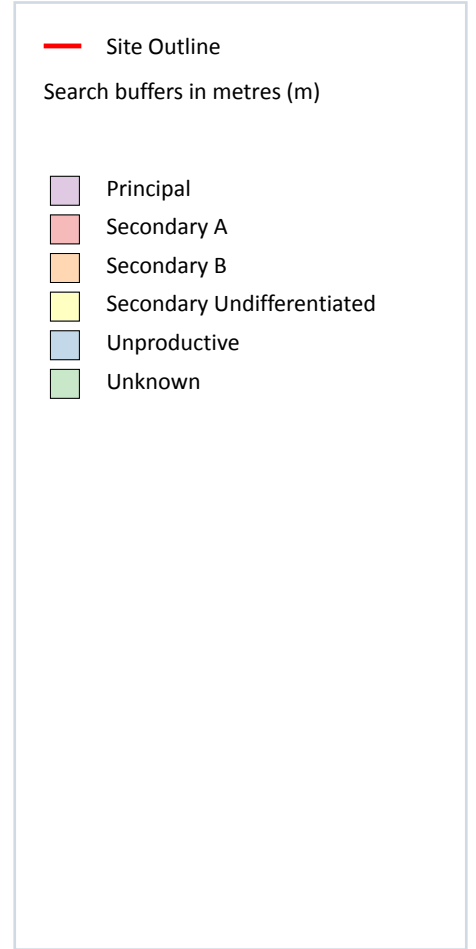
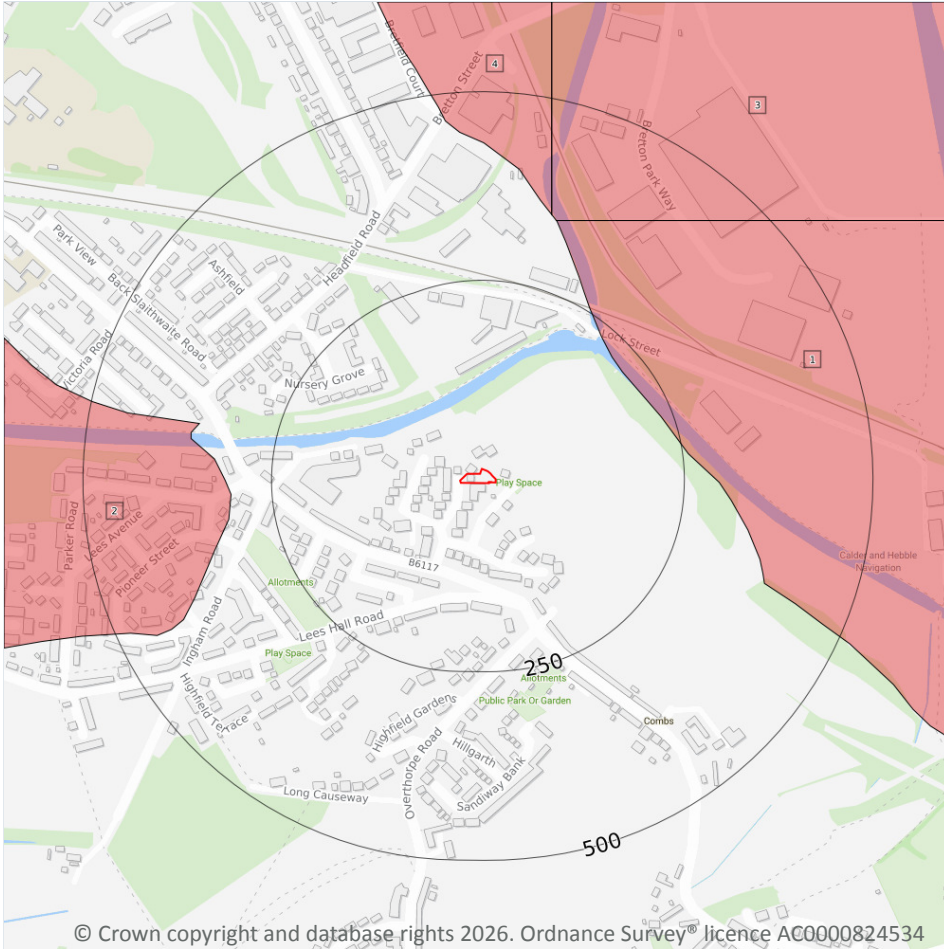
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The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for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

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



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

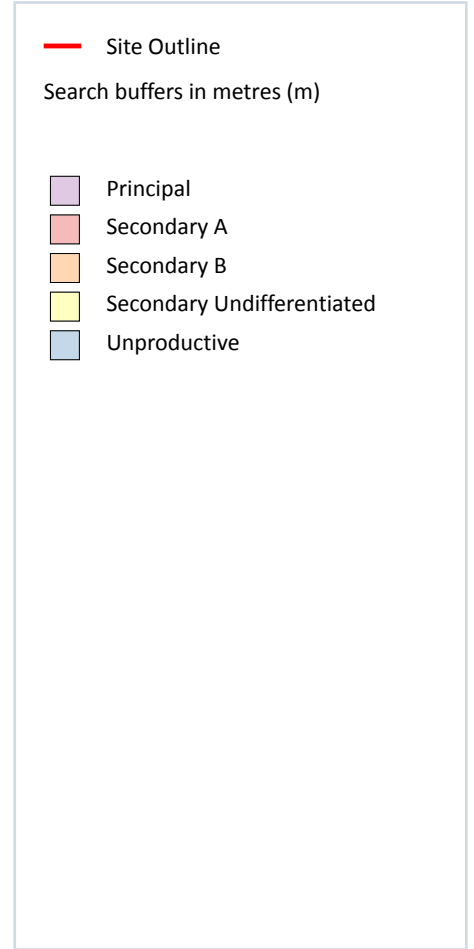
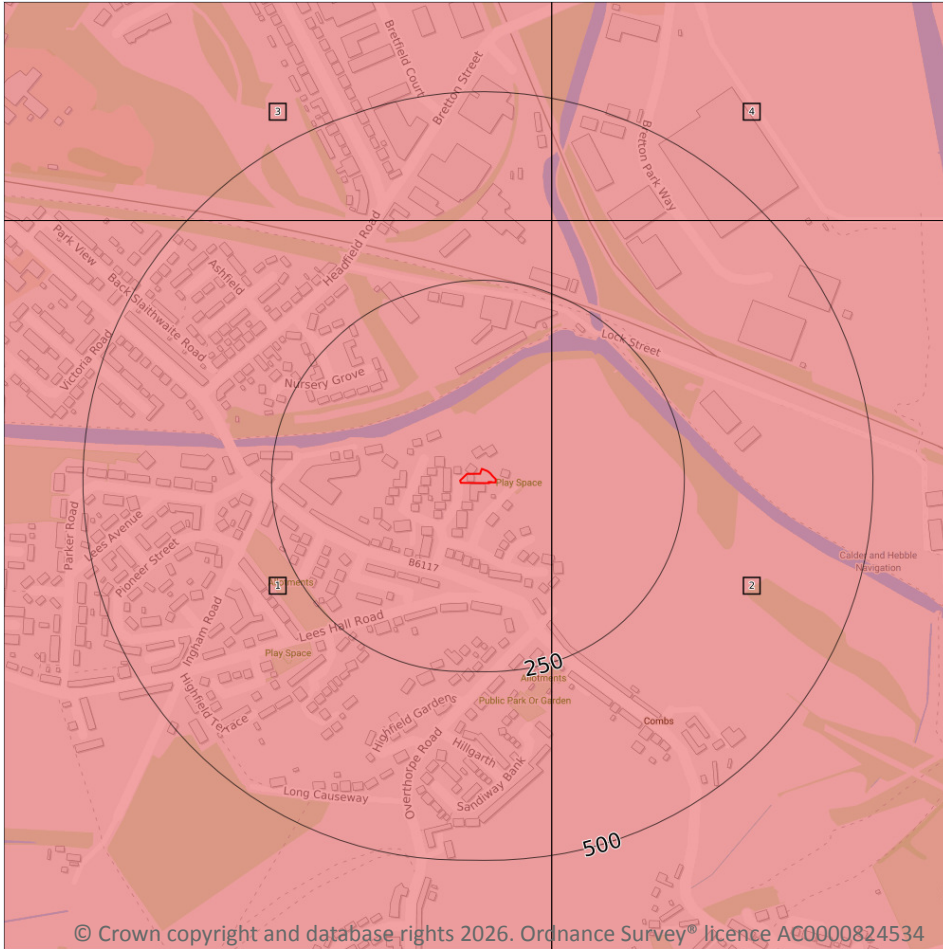
Features are displayed on the Hydrogeology map on [page 55 >](#)

ID	Location	Designation	Description
1	220m NE	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	304m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	344m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	350m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

4

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 57 >](#)

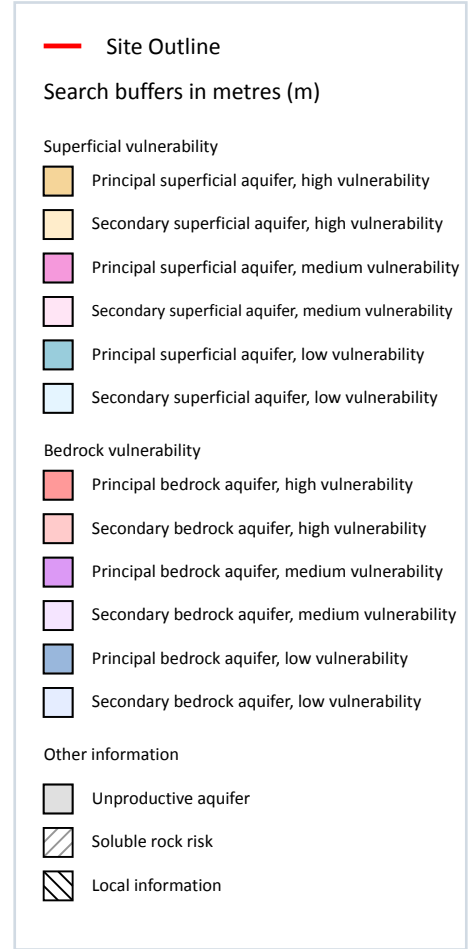
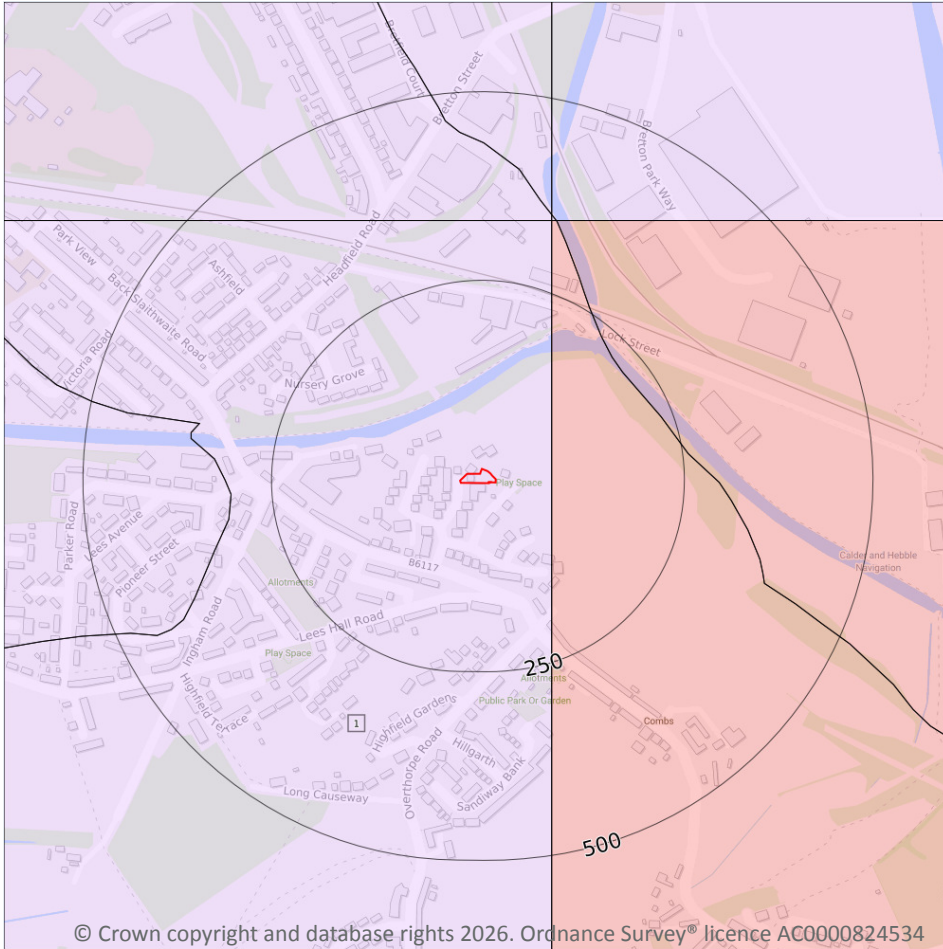
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	74m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	329m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	342m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

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

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

Features are displayed on the Groundwater vulnerability map on [page 59 >](#)



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

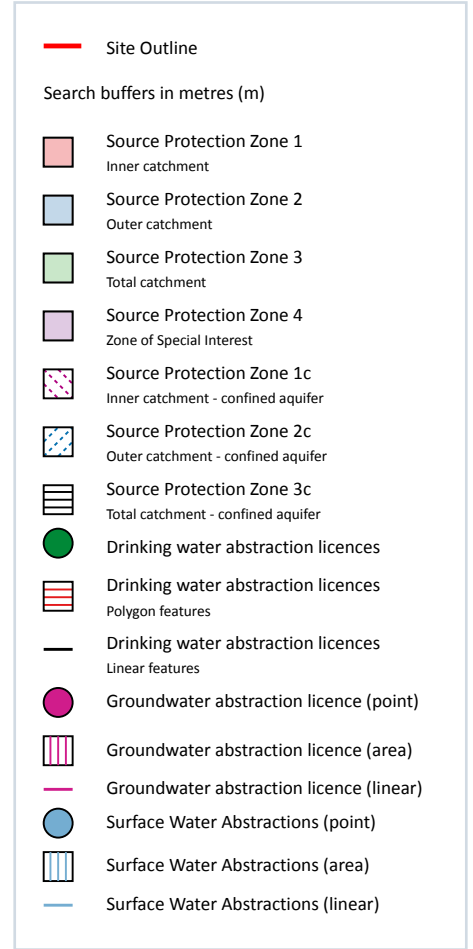
Records on site

0

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

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

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

9

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 61](#) >

ID	Location	Details	
-	1118m NW	Status: Active Licence No: 2/27/13/226/R01 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DEWSBURY Data Type: Point Name: CALDER DYEING LTD Easting: 424093 Northing: 420451	Annual Volume (m ³): 115000 Max Daily Volume (m ³): 500 Original Application No: NPS/WR/033441 Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 15/05/2020 Version End Date: -
-	1127m NW	Status: Historical Licence No: 2/27/13/226 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DEWSBURY Data Type: Point Name: CALDER DYEING LTD Easting: 424090 Northing: 420460	Annual Volume (m ³): 75000 Max Daily Volume (m ³): 330 Original Application No: - Original Start Date: 19/10/2007 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 19/10/2007 Version End Date: -
-	1127m NW	Status: Historical Licence No: 2/27/13/226/R01 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DEWSBURY Data Type: Point Name: CALDER DYEING LTD Easting: 424090 Northing: 420460	Annual Volume (m ³): 75000 Max Daily Volume (m ³): 330 Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
-	1529m N	Status: Active Licence No: 2/27/13/169 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DEWSBURY Data Type: Point Name: THOMAS CHADWICK & SONS LTD Easting: 424900 Northing: 421200	Annual Volume (m ³): 140000 Max Daily Volume (m ³): 576 Original Application No: 6451 Original Start Date: 26/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 25/04/1997 Version End Date: -



ID	Location	Details	
-	1529m N	Status: Historical Licence No: 2/27/13/169 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: THOMAS CHADWICK & SONS LIMITED Easting: 424900 Northing: 421200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 25/04/1997 Version End Date: -
-	1632m N	Status: Active Licence No: 2/27/13/169 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DEWSBURY Data Type: Point Name: THOMAS CHADWICK & SONS LTD Easting: 425000 Northing: 421300	Annual Volume (m ³): 140000 Max Daily Volume (m ³): 576 Original Application No: 6451 Original Start Date: 26/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 25/04/1997 Version End Date: -
-	1632m N	Status: Historical Licence No: 2/27/13/169 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: THOMAS CHADWICK & SONS LIMITED Easting: 425000 Northing: 421300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 25/04/1997 Version End Date: -
-	1975m NW	Status: Active Licence No: 2/27/13/200 Details: General Washing/Process Washing Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - RAVENSTHORPE - DEWSBURY Data Type: Point Name: Ly Manufacturing Ltd Easting: 423080 Northing: 420470	Annual Volume (m ³): 28800 Max Daily Volume (m ³): 960 Original Application No: NPS/WR/043879 Original Start Date: 23/06/1999 Expiry Date: - Issue No: 104 Version Start Date: 20/02/2025 Version End Date: -

ID	Location	Details	
-	1975m NW	Status: Historical Licence No: 2/27/13/200 Details: General Washing/Process Washing Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: WILLIAM S GRAHAM LIMITED Easting: 423080 Northing: 420470	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/06/1999 Expiry Date: - Issue No: 100 Version Start Date: 23/06/1999 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	9
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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 61 >](#)

ID	Location	Details	
-	1149m NW	Status: Historical Licence No: 2/27/13/230 Details: Mineral Washing Direct Source: SURFACE WATER Point: RIVER CALDER - DEWSBURY Data Type: Point Name: LAFARGE AGGREGATES LTD Easting: 423890 Northing: 420240	Annual Volume (m ³): 680000 Max Daily Volume (m ³): 2520 Original Application No: - Original Start Date: 07/07/2008 Expiry Date: 31/03/2015 Issue No: 2 Version Start Date: 26/09/2013 Version End Date: -
-	1149m NW	Status: Historical Licence No: 2/27/13/230 Details: Dust Suppression Direct Source: SURFACE WATER Point: RIVER CALDER - DEWSBURY Data Type: Point Name: LAFARGE AGGREGATES LTD Easting: 423890 Northing: 420240	Annual Volume (m ³): 680000 Max Daily Volume (m ³): 2520 Original Application No: - Original Start Date: 07/07/2008 Expiry Date: 31/03/2015 Issue No: 2 Version Start Date: 26/09/2013 Version End Date: -

ID	Location	Details	
-	1543m N	Status: Historical Licence No: 2/27/13/191 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER CALDER - DEWSBURY X 2 ABSTRACTION POINTS Data Type: Point Name: CALDER MASONARY Easting: 424700 Northing: 421200	Annual Volume (m ³): 9720 Max Daily Volume (m ³): 36 Original Application No: 6812 Original Start Date: 23/05/1997 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2008 Version End Date: -
-	1543m N	Status: Historical Licence No: 2/27/13/191 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER CALDER Data Type: Point Name: CALDER MASONARY Easting: 424700 Northing: 421200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/05/1997 Expiry Date: - Issue No: 100 Version Start Date: 23/05/1997 Version End Date: -
-	1656m N	Status: Active Licence No: 2/27/13/163 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER CALDER - DEWSBURY Data Type: Point Name: Henry Day and Sons Ltd Easting: 424560 Northing: 421290	Annual Volume (m ³): 15000 Max Daily Volume (m ³): 90.92 Original Application No: 6210 Original Start Date: 01/06/1989 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2024 Version End Date: -
-	1656m N	Status: Historical Licence No: 2/27/13/163 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER CALDER Data Type: Point Name: HENRY DAY & SONS LTD Easting: 424560 Northing: 421290	Annual Volume (m ³): 15000 Max Daily Volume (m ³): 90.92 Original Application No: - Original Start Date: 01/06/1989 Expiry Date: - Issue No: 100 Version Start Date: 01/06/1989 Version End Date: -

ID	Location	Details	
-	1735m N	Status: Historical Licence No: 2/27/13/129 Details: Boiler Feed Direct Source: SURFACE WATER Point: RIVER CALDER Data Type: Point Name: ARONSTEAD LIMITED Easting: 424510 Northing: 421360	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/02/1971 Expiry Date: - Issue No: 100 Version Start Date: 16/03/1978 Version End Date: -
-	1929m NW	Status: Historical Licence No: 2/27/13/211 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER CALDER-RAVENSING MILLS-RAVENSTHORPE Data Type: Point Name: Lawton Yarns Ltd Easting: 423140 Northing: 420490	Annual Volume (m ³): 350000 Max Daily Volume (m ³): 960 Original Application No: - Original Start Date: 21/11/2002 Expiry Date: 31/03/2015 Issue No: 2 Version Start Date: 06/08/2014 Version End Date: -
-	1930m NW	Status: Active Licence No: 2/27/13/211/R01 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER CALDER-RAVENSING MILLS-RAVENSTHORPE Data Type: Point Name: Ly Manufacturing Ltd Easting: 423140 Northing: 420493	Annual Volume (m ³): 350000 Max Daily Volume (m ³): 960 Original Application No: NPS/WR/043877 Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 3 Version Start Date: 20/02/2025 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)

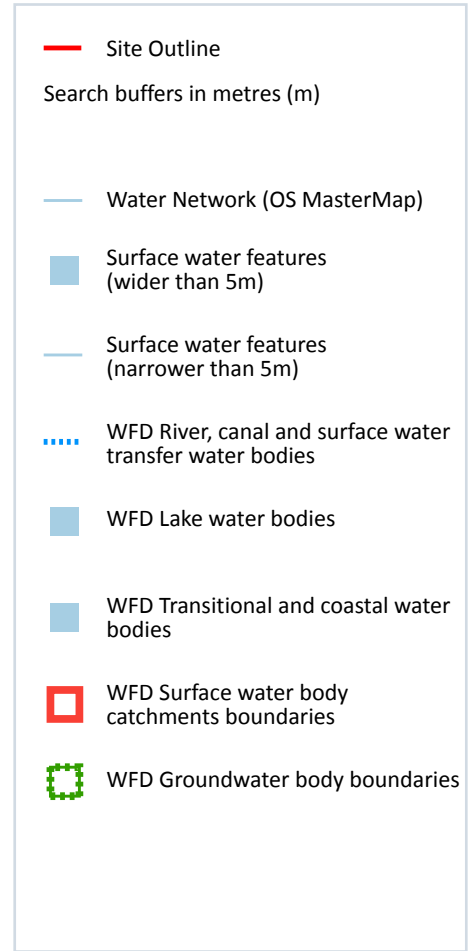
Records within 500m

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



6.1 Water Network (OS MasterMap)

Records within 250m 9

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 68 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
2	97m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Calder and Hebble Navigation

ID	Location	Type of water feature	Ground level	Permanence	Name
B	155m N	Manmade watercourse for water transfer.	On ground surface	Watercourse contains water year round (in normal circumstances)	Calder and Hebble Navigation
B	155m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Calder and Hebble Navigation
B	172m N	Lock or flight of locks. An enclosure in a canal or navigable river with gates and sluices at either end.	On ground surface	Watercourse contains water year round (in normal circumstances)	Calder and Hebble Navigation
B	188m NE	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Calder and Hebble Navigation
B	213m NE	Lock or flight of locks. An enclosure in a canal or navigable river with gates and sluices at either end.	On ground surface	Watercourse contains water year round (in normal circumstances)	Calder and Hebble Navigation
B	221m NE	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Calder and Hebble Navigation
3	225m NE	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Calder and Hebble Navigation
4	225m NE	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Calder and Hebble Navigation

This data is sourced from the Ordnance Survey®.

6.2 Surface water features

Records within 250m

2

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

Features are displayed on the Hydrology map on [page 68 >](#)

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 68 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Calder from River Colne to River Chald	GB104027062631	Calder Lower	Aire and Calder

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

6.4 WFD Surface water bodies

Records identified

2

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

Features are displayed on the Hydrology map on [page 68 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
B	100m NW	Canal	Calder and Hebble Navigation (river and canal sections)	GB70410521 ↗	Moderate	Fail	Moderate	2019
-	667m E	River	Calder from River Colne to River Chald	GB104027062631 ↗	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 68 >](#)

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

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

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

0

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

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



8 Surface water flooding

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

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

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Negligible

Highest risk within 50m

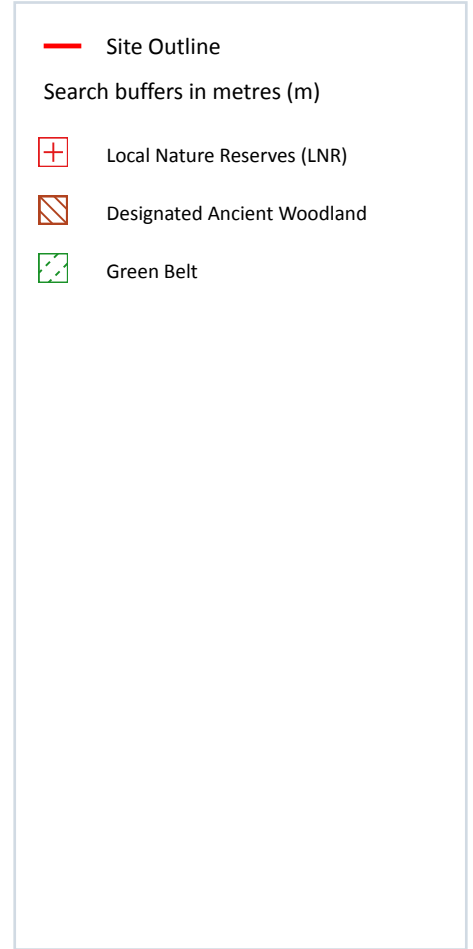
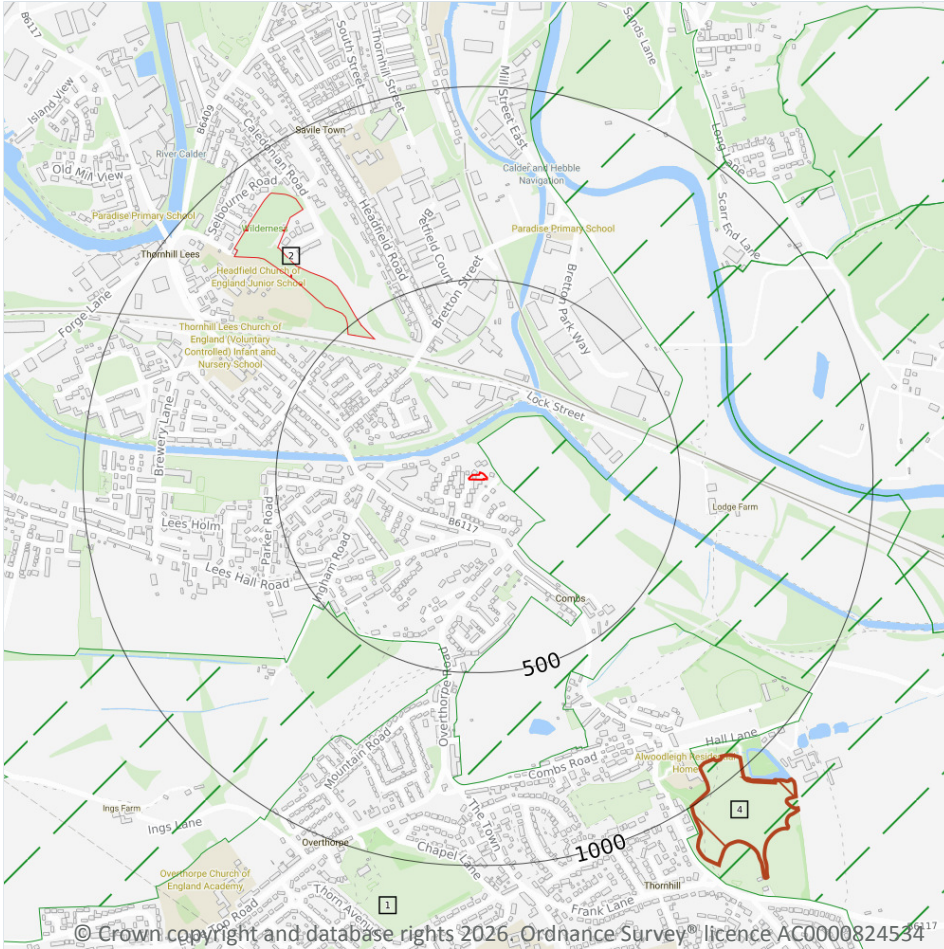
Negligible

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

Features are displayed on the Groundwater flooding map on [page 76 >](#)

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 77 >](#)

ID	Location	Name	Data source
2	434m NW	Sparrow Wood	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

2

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 77 >](#)

ID	Location	Name	Woodland Type
4	926m SE	Thornhill Rectory Park	Ancient Wood Pasture
-	1868m W	Priest Royd Wood	Ancient Replanted Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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



10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

2

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

Features are displayed on the Environmental designations map on [page 77 >](#)

ID	Location	Name	Local Authority name
1	28m NE	South and West Yorkshire Green Belt	Kirklees
3	658m E	South and West Yorkshire Green Belt	Wakefield

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

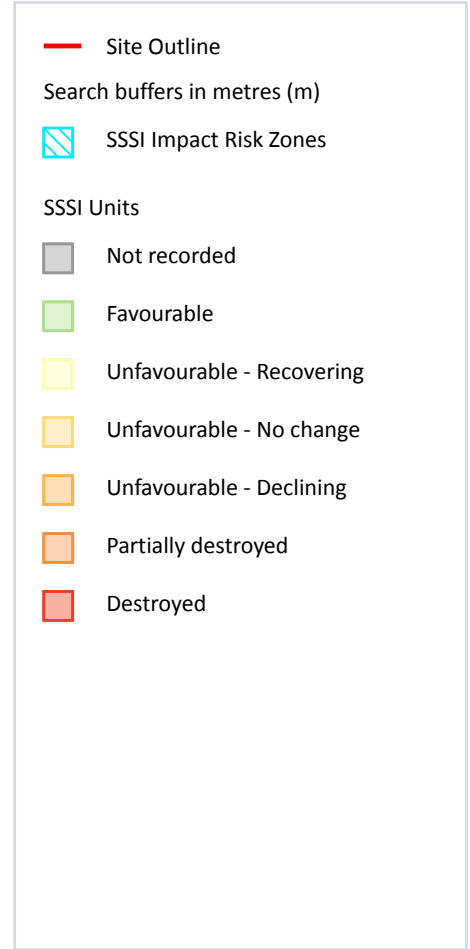
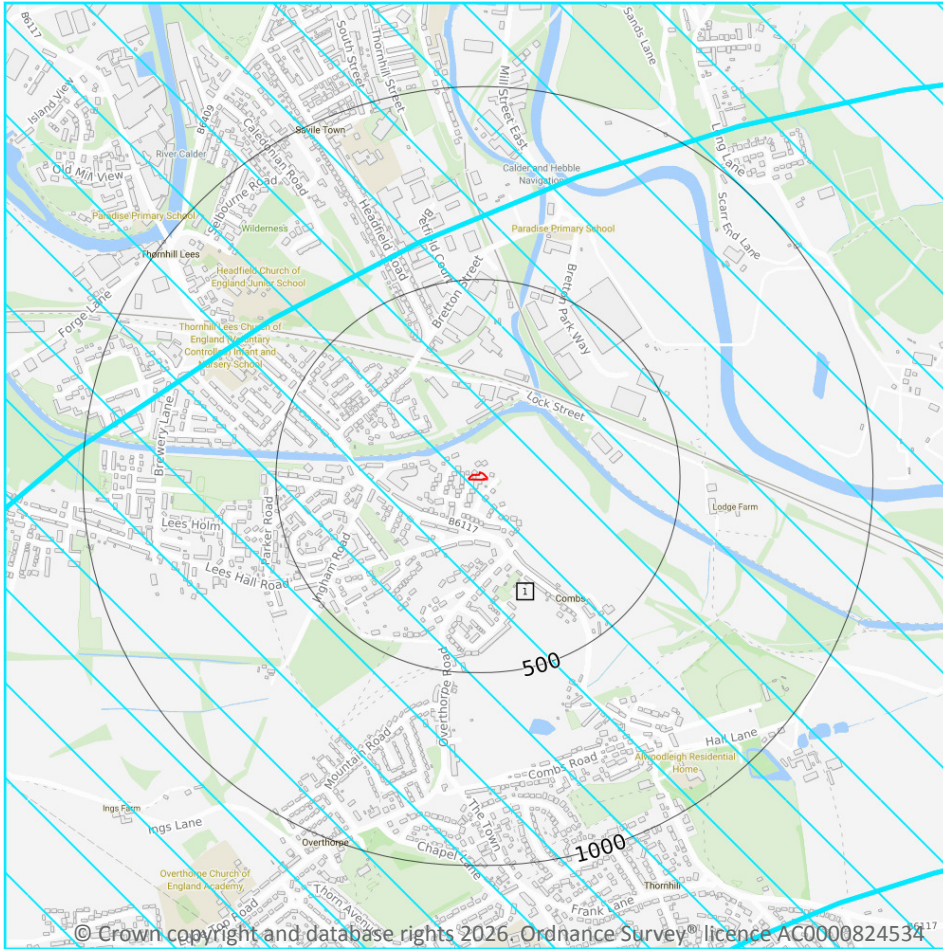
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
1926m NW	Spenn Beck from Source to River Calder NVZ	Surface Water	271	Existing

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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 83](#) >

ID	Location	Type of developments requiring consultation
1	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300000430000&notes=&location=422767,415332%20(IRZ%20polygon%20centre)

This data is sourced from Natural England.



10.18 SSSI Units

Records within 2000m

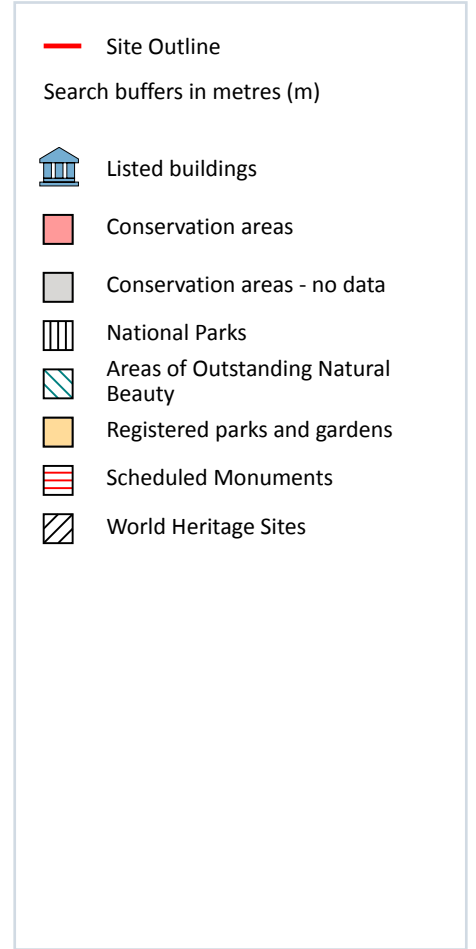
0

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

1

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

Features are displayed on the Visual and cultural designations map on [page 85 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
1	212m NE	Calder And Hebble Navigation Double Locks, At Junction With Dewsbury Cut	II	1134721	03/07/1985

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



11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

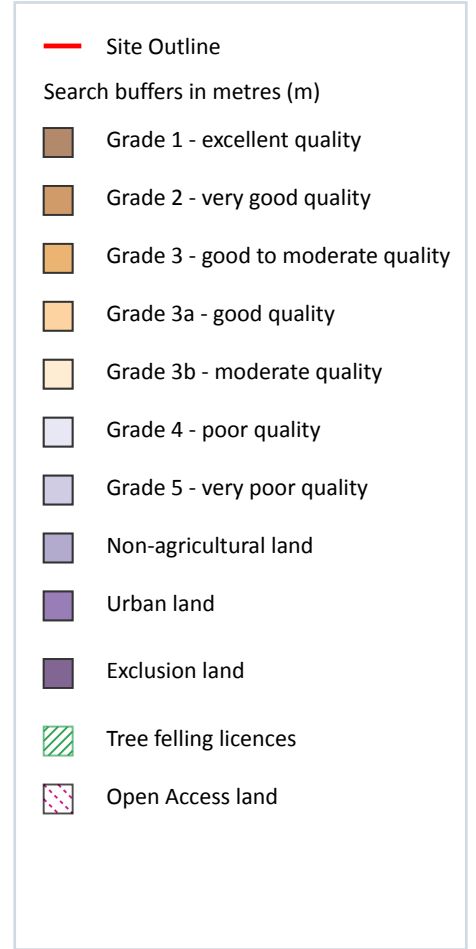
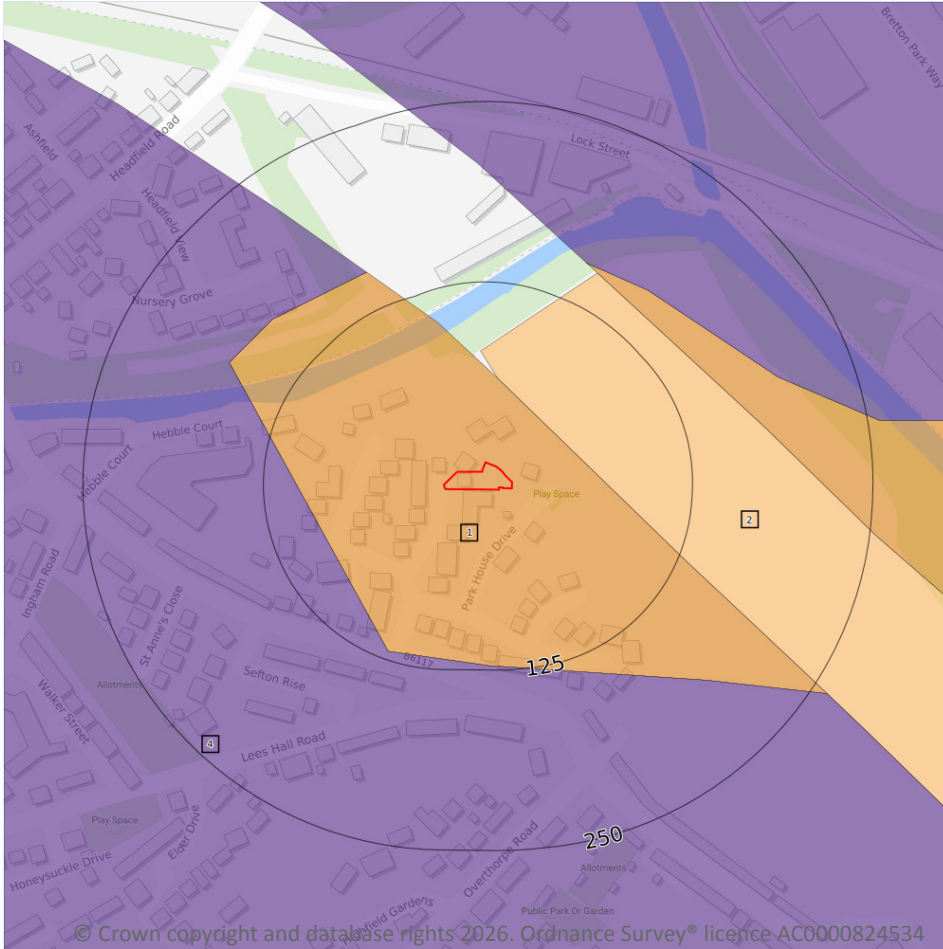
0

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

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



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

3

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 88](#) >

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

ID	Location	Classification	Description
2	44m NE	Grade 3a	Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.
4	89m SW	Urban	Non-agricultural/no quality assigned

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

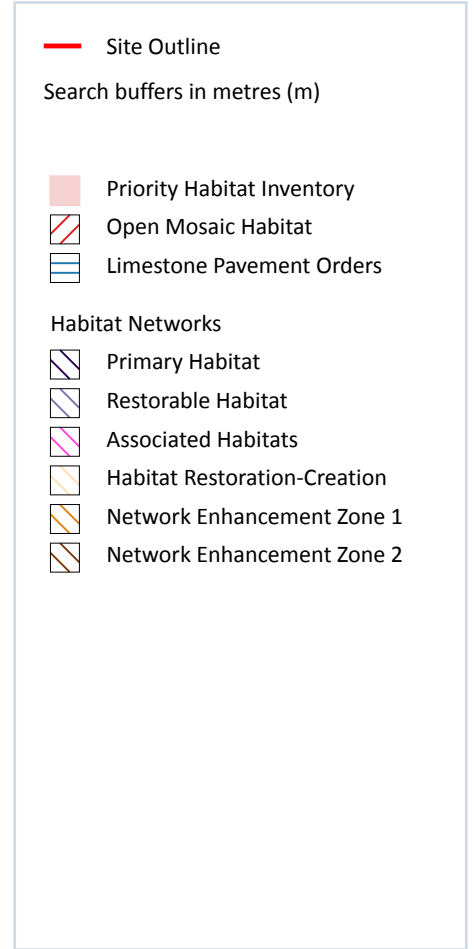
0

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

6

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

Features are displayed on the Habitat designations map on [page 91](#) >

ID	Location	Main Habitat	Other habitats
1	72m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	90m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	91m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	107m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	162m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	244m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

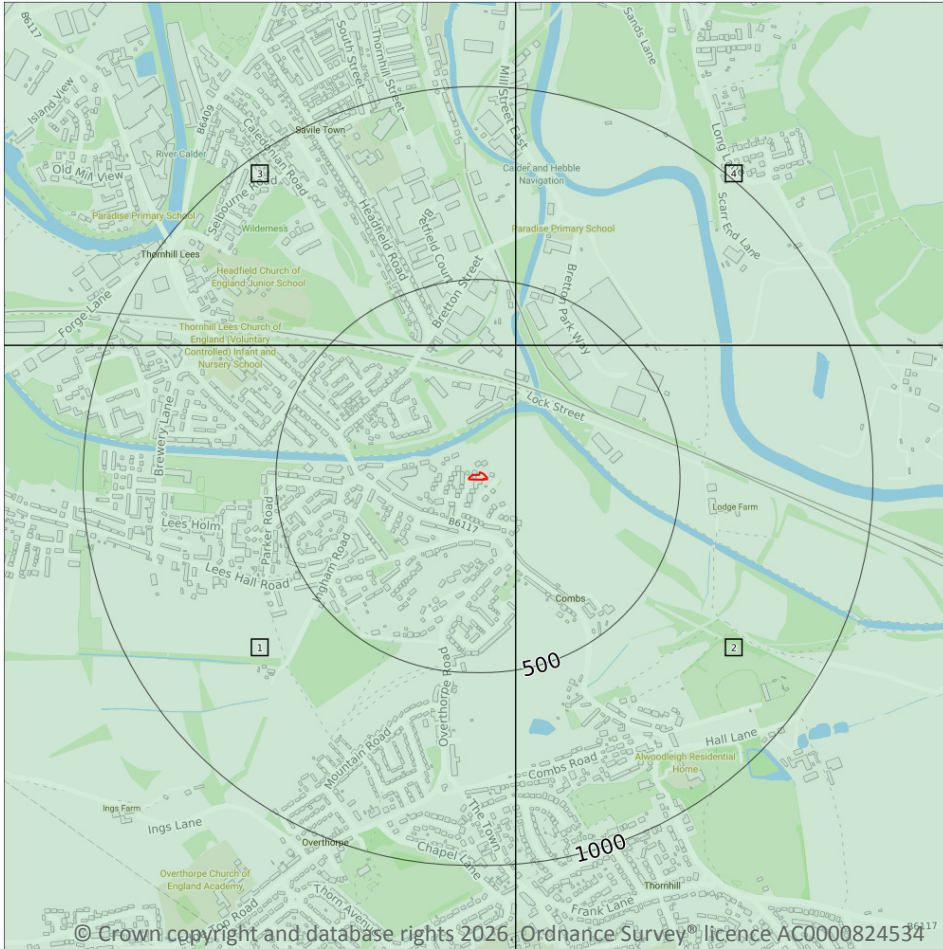
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
 Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

4

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 93](#) >

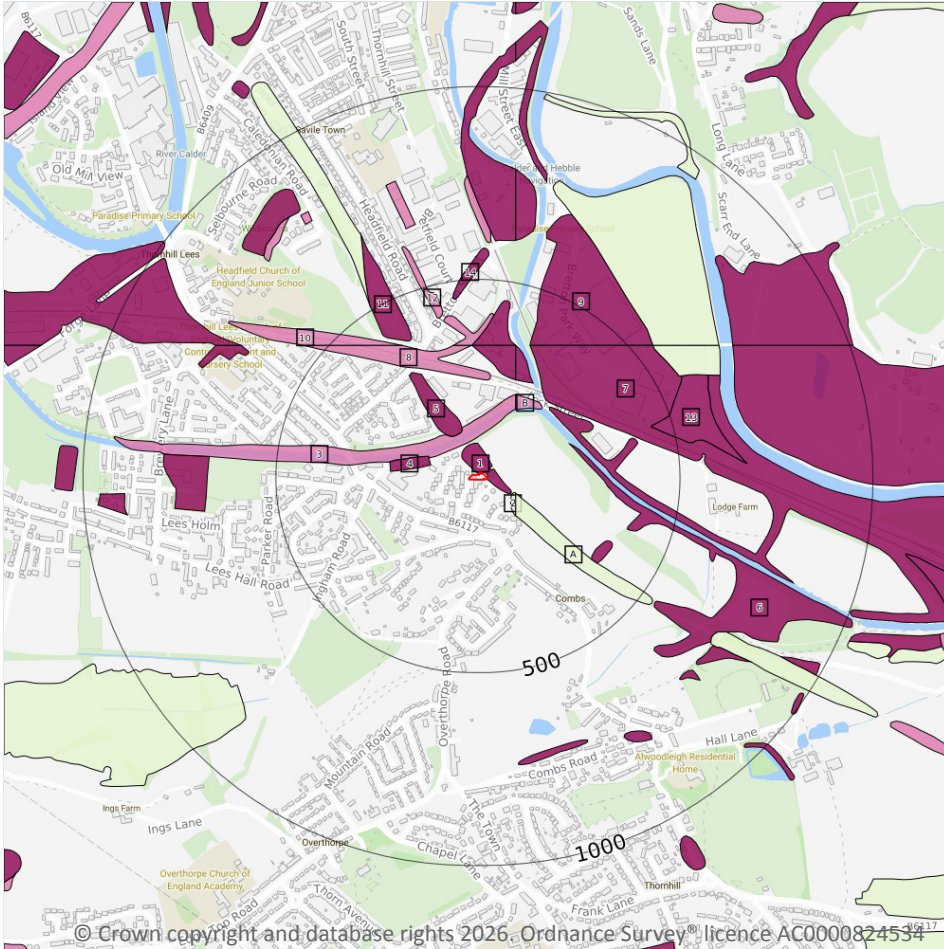
ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SE21NW
2	74m E	Full	Full	Full	Full	SE21NE
3	329m N	Full	Full	Full	Full	SE22SW
4	342m N	Full	Full	Full	No coverage	SE22SE



This data is sourced from the British Geological Survey.



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



14.2 Artificial and made ground (10k)

Records within 500m

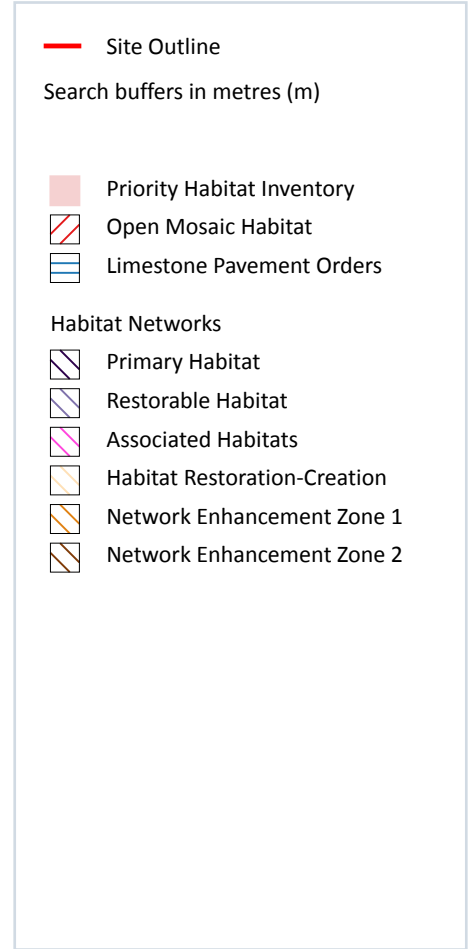
21

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 95](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
2	76m SE	WMGR-ARTDP	Infilled Ground	Artificial deposit
3	81m NW	WGR-VOID	Worked Ground (Undivided)	Void
A	83m SE	WMGR-ARTDP	Infilled Ground	Artificial deposit

13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

6

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

Features are displayed on the Habitat designations map on [page 91](#) >

ID	Location	Main Habitat	Other habitats
1	72m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	90m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	91m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	107m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	162m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	244m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

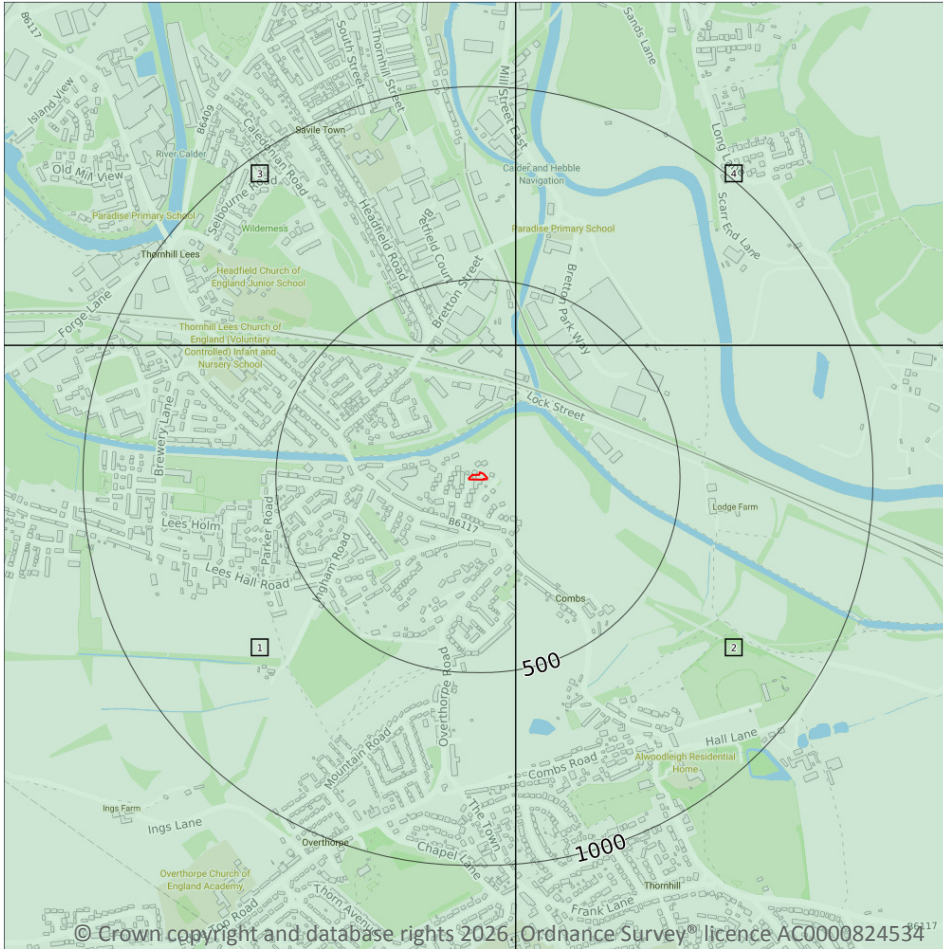
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
 Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

4

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 93](#) >

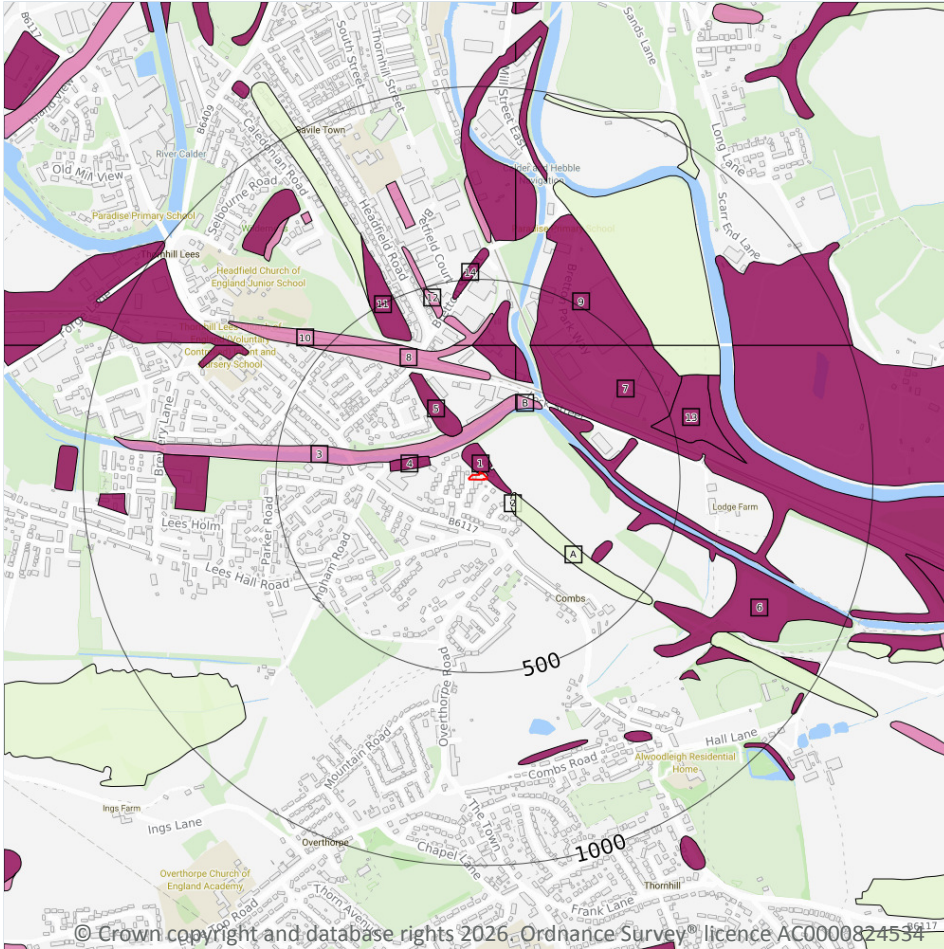
ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SE21NW
2	74m E	Full	Full	Full	Full	SE21NE
3	329m N	Full	Full	Full	Full	SE22SW
4	342m N	Full	Full	Full	No coverage	SE22SE



This data is sourced from the British Geological Survey.



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



14.2 Artificial and made ground (10k)

Records within 500m

21

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 95](#) >

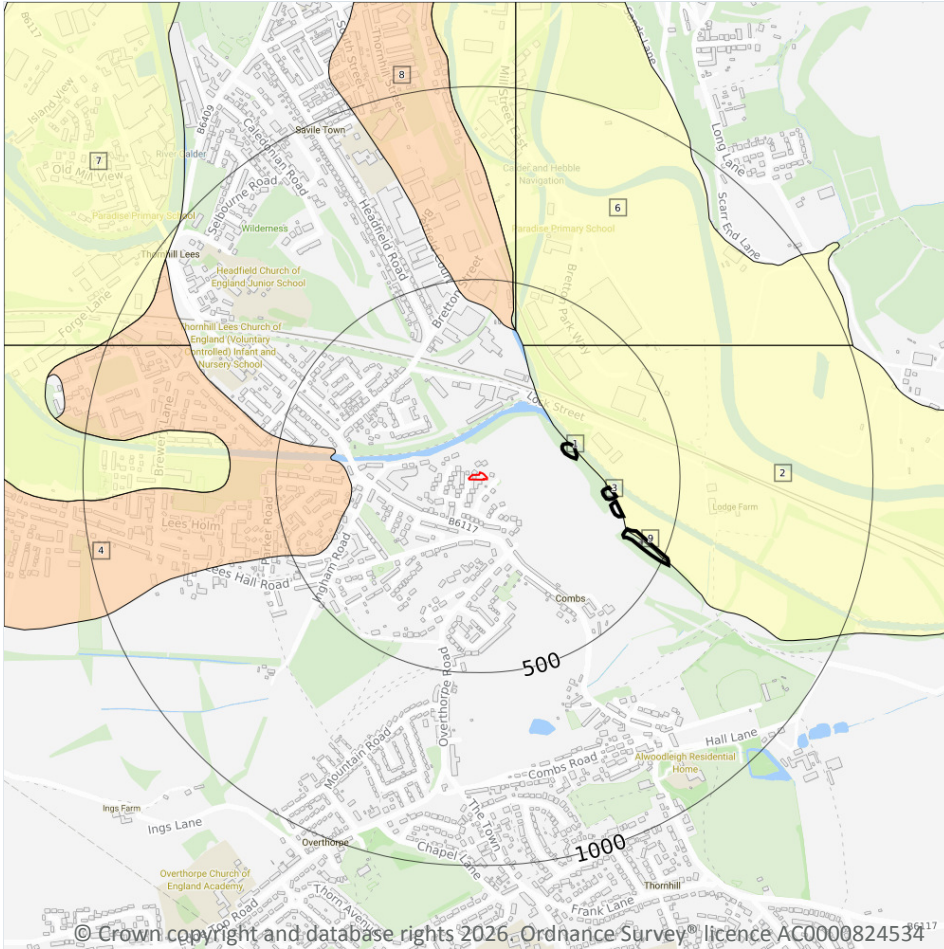
ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
2	76m SE	WMGR-ARTDP	Infilled Ground	Artificial deposit
3	81m NW	WGR-VOID	Worked Ground (Undivided)	Void
A	83m SE	WMGR-ARTDP	Infilled Ground	Artificial deposit


ID	Location	LEX Code	Description	Rock description
4	105m W	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
5	111m N	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
B	187m NE	WGR-VOID	Worked Ground (Undivided)	Void
6	231m E	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
7	239m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
8	240m N	WGR-VOID	Worked Ground (Undivided)	Void
B	256m N	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
B	257m N	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
B	329m N	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
B	330m N	WGR-VOID	Worked Ground (Undivided)	Void
A	335m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
9	354m N	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
10	382m NW	WGR-VOID	Worked Ground (Undivided)	Void
11	384m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
12	414m N	WGR-VOID	Worked Ground (Undivided)	Void
13	446m E	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
14	453m N	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

5

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 97](#) >

ID	Location	LEX Code	Description	Rock description
2	219m NE	ALV-XCSV	Alluvium-Clay, Sand And Gravel	Clay, sand and gravel
4	304m W	RTDU-XSV	River Terrace Deposits (Undifferentiated)-Sand And Gravel	Sand and gravel
6	348m N	ALV-XCSV	Alluvium-Clay, Sand And Gravel	Clay, sand and gravel
7	379m N	ALV-XCSV	Alluvium-Clay, Sand And Gravel	Clay, sand and gravel



ID	Location	LEX Code	Description	Rock description
8	379m N	RTDU-XSV	River Terrace Deposits (Undifferentiated)-Sand And Gravel	Sand and gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m	4
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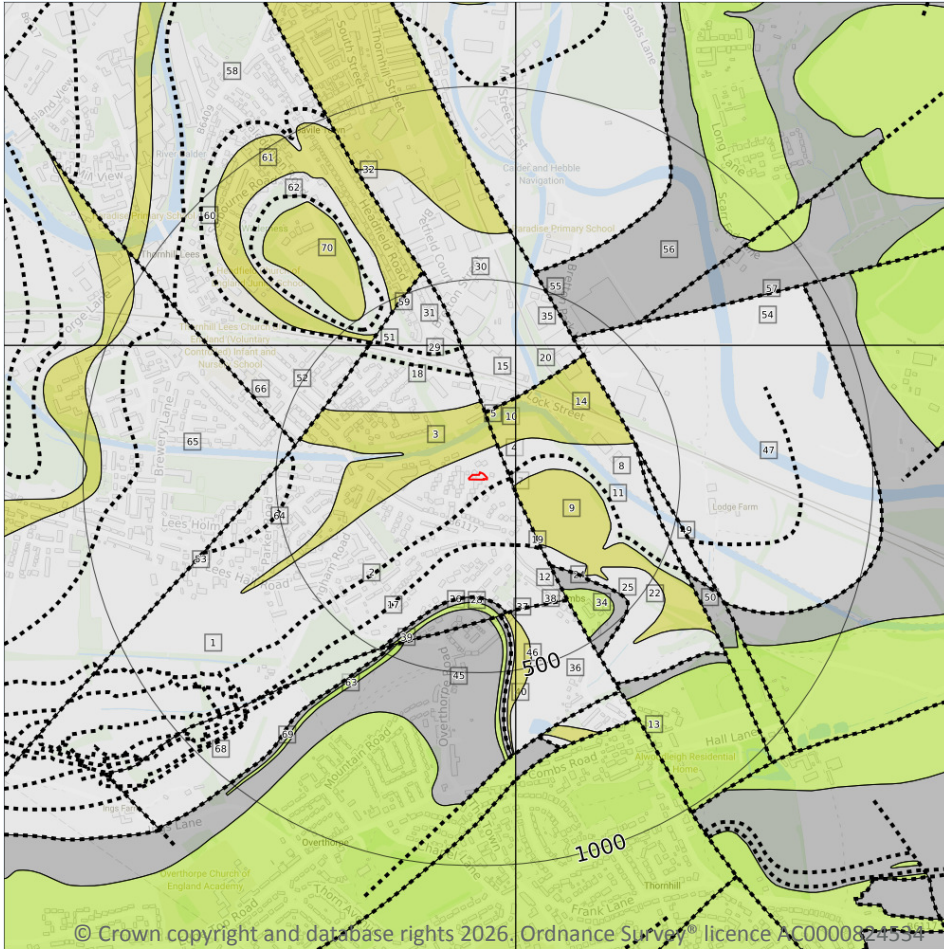
Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 97 >](#)

ID	Location	LEX Code	Description	Rock description
1	209m E	SLIP-UNKNOWN	Landslide deposits	Unknown/unclassified entry
3	301m E	SLIP-UNKNOWN	Landslide deposits	Unknown/unclassified entry
5	328m E	SLIP-UNKNOWN	Landslide deposits	Unknown/unclassified entry
9	381m E	SLIP-UNKNOWN	Landslide deposits	Unknown/unclassified entry

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

41

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 99](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
3	49m N	PLCM-SDST	Pennine Lower Coal Measures Formation-Sandstone	Westphalian
4	56m E	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian



ID	Location	LEX Code	Description	Rock age
7	71m E	PLCM-SDST	Pennine Lower Coal Measures Formation-Sandstone	Westphalian
8	74m E	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
9	76m E	PLCM-SDST	Pennine Lower Coal Measures Formation-Sandstone	Westphalian
10	76m NE	ER-SDST	Emley Rock-Sandstone	Westphalian
12	82m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
14	119m NE	ER-SDST	Emley Rock-Sandstone	Westphalian
15	156m N	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
18	175m N	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
20	213m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
22	218m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
24	277m SE	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
26	305m S	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
28	319m S	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
30	329m N	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
31	333m N	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
33	336m S	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
34	342m SE	TR-SDST	Thornhill Rock-Sandstone	Westphalian
35	342m N	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
36	346m S	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
37	346m S	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
40	349m S	PLCM-SDST	Pennine Lower Coal Measures Formation-Sandstone	Westphalian



ID	Location	LEX Code	Description	Rock age
41	353m S	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
42	355m S	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
44	358m S	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
45	362m S	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
46	372m S	PLCM-SDST	Pennine Lower Coal Measures Formation-Sandstone	Westphalian
47	377m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
49	394m E	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
52	410m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
54	413m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
56	422m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
58	430m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
61	433m NW	BRSR-SDST	Birstall Rock-Sandstone	Westphalian
62	441m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
63	453m S	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
65	457m W	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
68	473m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
70	498m NW	BRSR-SDST	Birstall Rock-Sandstone	Westphalian

This data is sourced from the British Geological Survey.



14.6 Bedrock faults and other linear features (10k)

Records within 500m

29

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 99](#) >

ID	Location	Category	Description
2	24m SE	ROCK	Coal seam, inferred
5	56m E	FAULT	Fault, inferred, displacement unknown
6	57m E	ROCK	Coal seam, inferred
11	77m E	ROCK	Coal seam, inferred
13	82m SE	FAULT	Fault, inferred, displacement unknown
16	156m N	FAULT	Fault, inferred, displacement unknown
17	168m S	ROCK	Coal seam, inferred
19	186m SE	ROCK	Coal seam, inferred
21	213m NE	FAULT	Fault, inferred, displacement unknown
23	251m N	ROCK	Coal seam, inferred
25	277m SE	ROCK	Coal seam, inferred
27	305m S	ROCK	Coal seam, inferred
29	322m N	ROCK	Coal seam, inferred
32	333m N	FAULT	Fault, inferred, displacement unknown
38	346m S	FAULT	Fault, inferred, displacement unknown
39	346m S	FAULT	Fault, inferred, displacement unknown
43	355m S	ROCK	Coal seam, inferred
48	377m NE	FAULT	Fault, inferred, displacement unknown
50	394m E	FAULT	Fault, inferred, displacement unknown
51	399m NW	ROCK	Coal seam, inferred
53	410m NW	FAULT	Fault, inferred, displacement unknown
55	413m NE	FAULT	Fault, inferred, displacement unknown
57	422m NE	FAULT	Fault, inferred, displacement unknown



ID	Location	Category	Description
59	430m NW	FAULT	Fault, inferred, displacement unknown
60	432m NW	ROCK	Coal seam, inferred
64	455m W	ROCK	Coal seam, inferred
66	457m W	FAULT	Fault, inferred, displacement unknown
67	466m NW	ROCK	Coal seam, inferred
69	473m SW	ROCK	Coal seam, inferred

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.

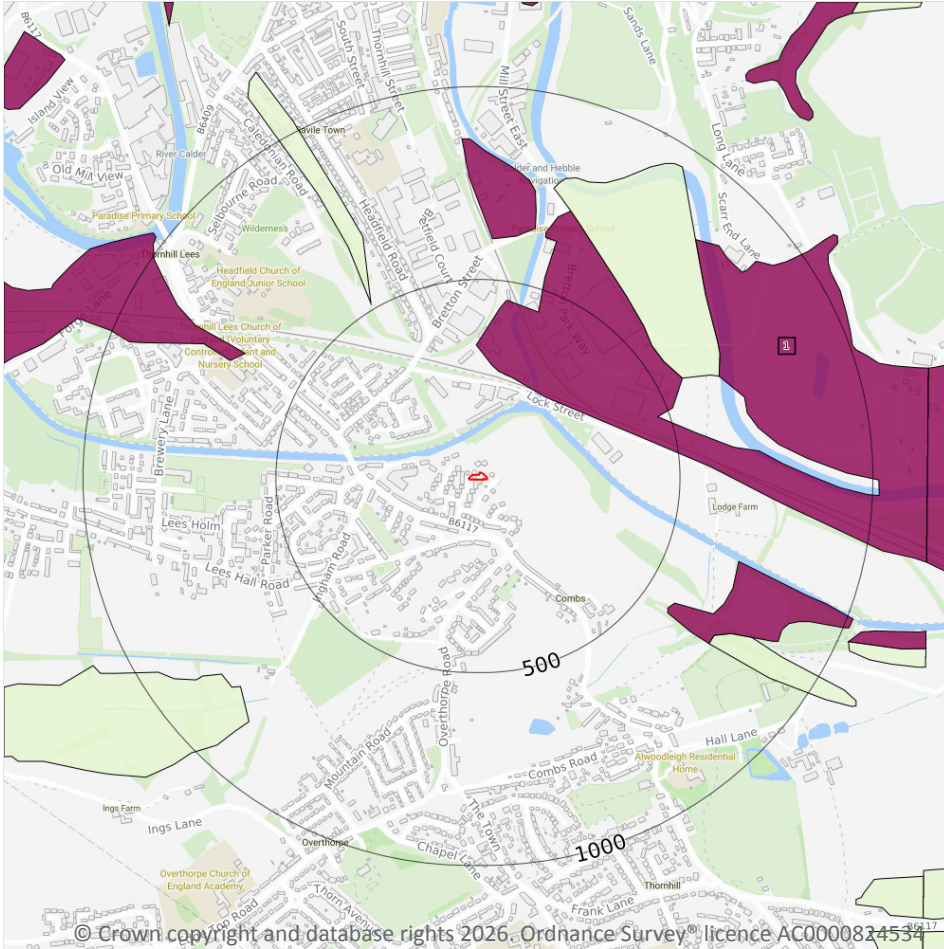
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 104](#) >

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

This data is sourced from the British Geological Survey.



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



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 105 >](#)

ID	Location	LEX Code	Description	Rock description
1	253m NE	MGR-ARTDP	Made Ground	Artificial deposit

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

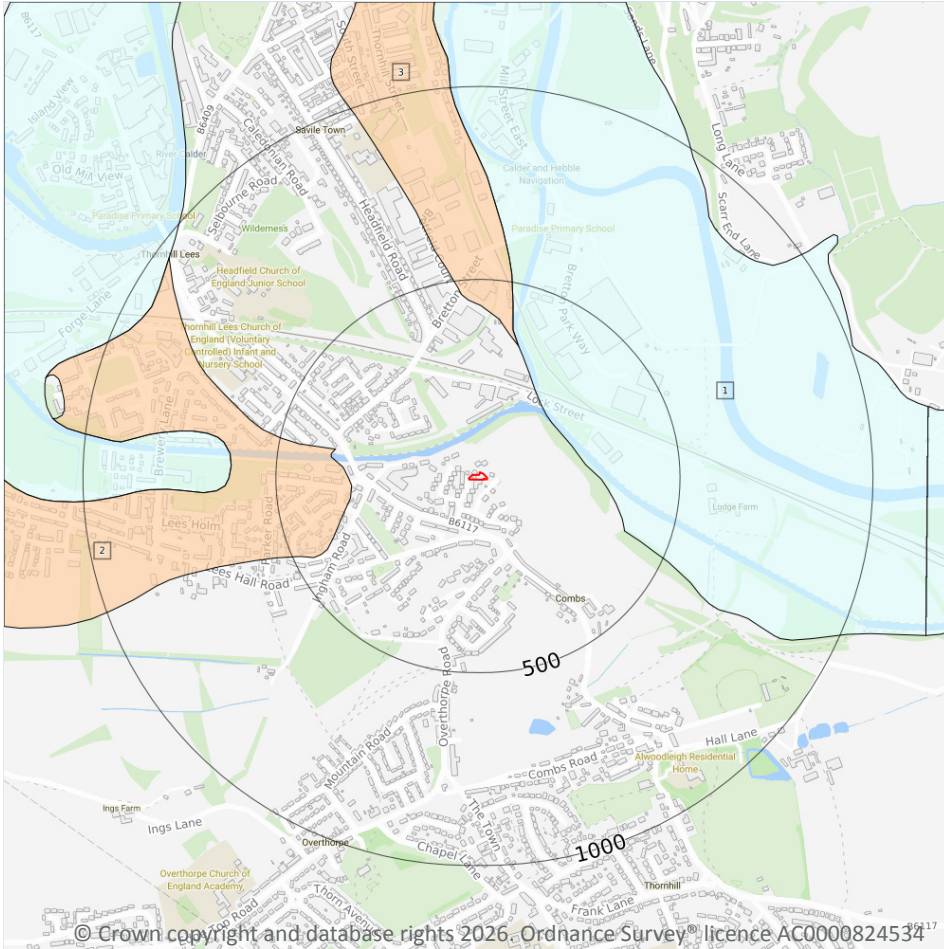
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



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

15.4 Superficial geology (50k)

Records within 500m

3

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 107](#) >

ID	Location	LEX Code	Description	Rock description
1	220m NE	ALV-XCZSV	Alluvium	Clay, silt, sand and gravel
2	304m W	RTDU-XSV	River Terrace Deposits (Undifferentiated)	Sand and gravel
3	343m N	RTDU-XSV	River Terrace Deposits (Undifferentiated)	Sand and gravel

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

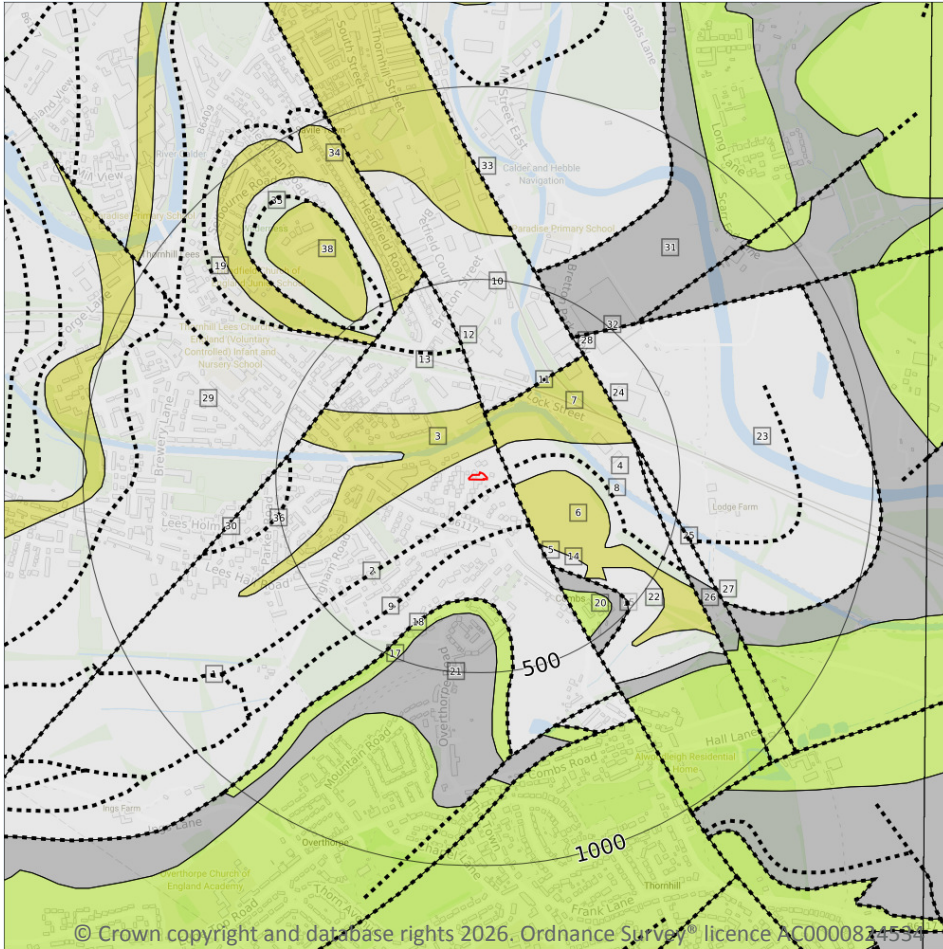
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

20

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 109](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
3	46m NW	PLCM-SDST	Pennine Lower Coal Measures Formation-Sandstone	Westphalian
4	55m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian



ID	Location	LEX Code	Description	Rock age
6	70m E	PLCM-SDST	Pennine Lower Coal Measures Formation-Sandstone	Westphalian
7	74m NE	ER-SDST	Emley Rock-Sandstone	Westphalian
10	155m N	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
13	173m N	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
14	217m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
15	278m SE	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
17	310m S	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
20	342m SE	TR-SDST	Thornhill Rock-Sandstone	Westphalian
21	346m S	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
22	360m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
23	378m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
25	394m E	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
29	410m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
31	422m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
34	427m NW	BRSR-SDST	Birstall Rock-Sandstone	Westphalian
35	433m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
38	494m NW	BRSR-SDST	Birstall Rock-Sandstone	Westphalian

This data is sourced from the British Geological Survey.



15.9 Bedrock permeability (50k)

Records within 50m	2
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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
46m NW	Fracture	High	Moderate

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	18
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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 109 >](#)

ID	Location	Category	Description
2	29m SE	ROCK	Coal seam, inferred
5	55m NE	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
8	78m E	ROCK	Coal seam, inferred
9	141m S	ROCK	Coal seam, inferred
11	155m N	FAULT	Fault, inferred, displacement unknown
12	155m N	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
16	278m SE	ROCK	Coal seam, inferred
18	310m S	ROCK	Coal seam, inferred
19	322m N	ROCK	Coal seam, inferred
24	378m NE	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
26	394m E	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
27	394m E	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
28	404m NE	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres

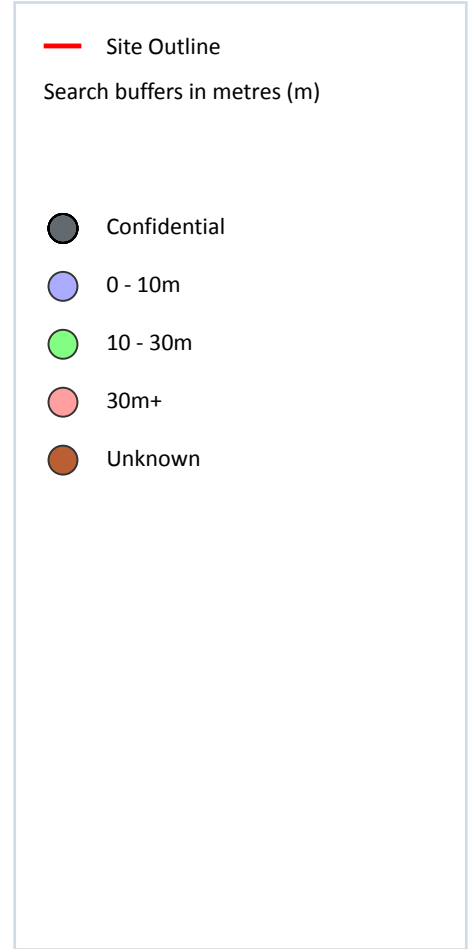


ID	Location	Category	Description
30	410m NW	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
32	422m NE	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
33	422m NE	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
36	463m W	ROCK	Coal seam, inferred
37	470m NW	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

1

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.

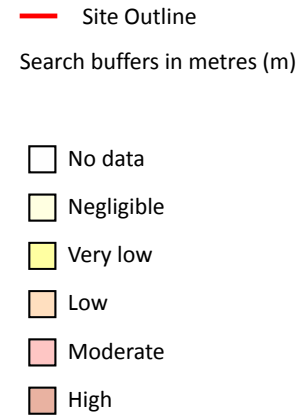
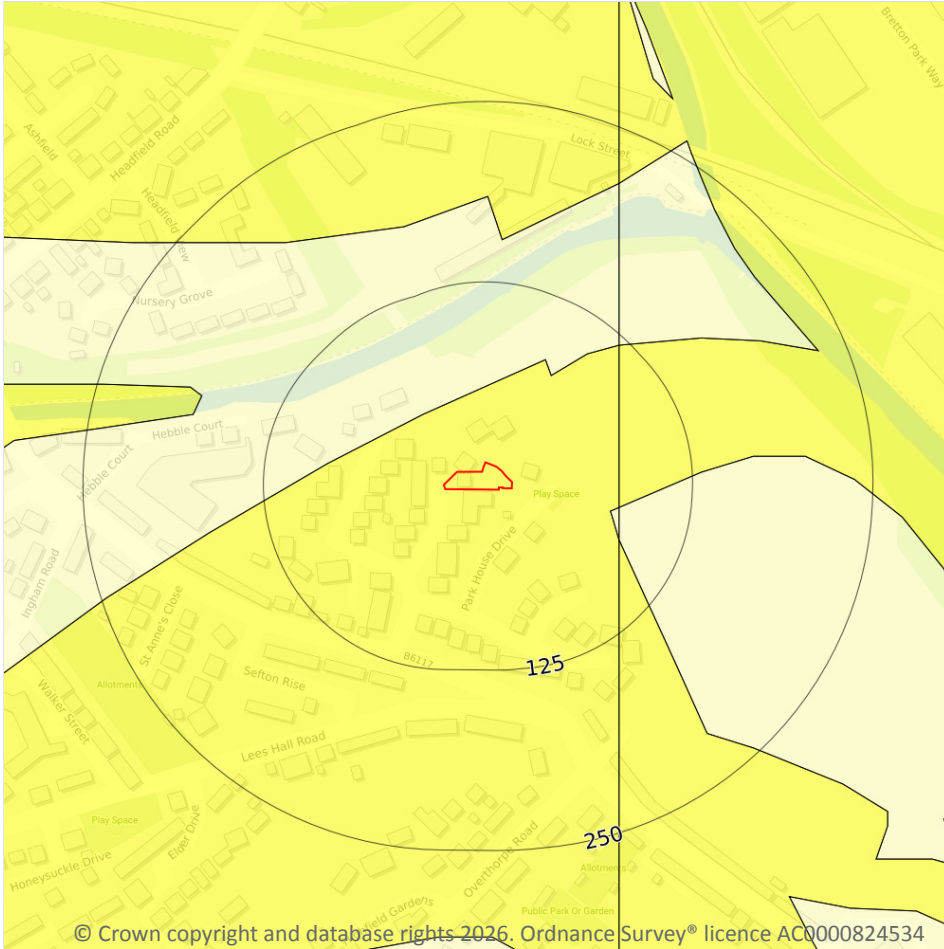
Features are displayed on the Boreholes map on [page 113](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	246m SW	424740 419450	LEES HALL ROAD THORNHILL DEWSBURY 3	10.0	N	15635653 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

2

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

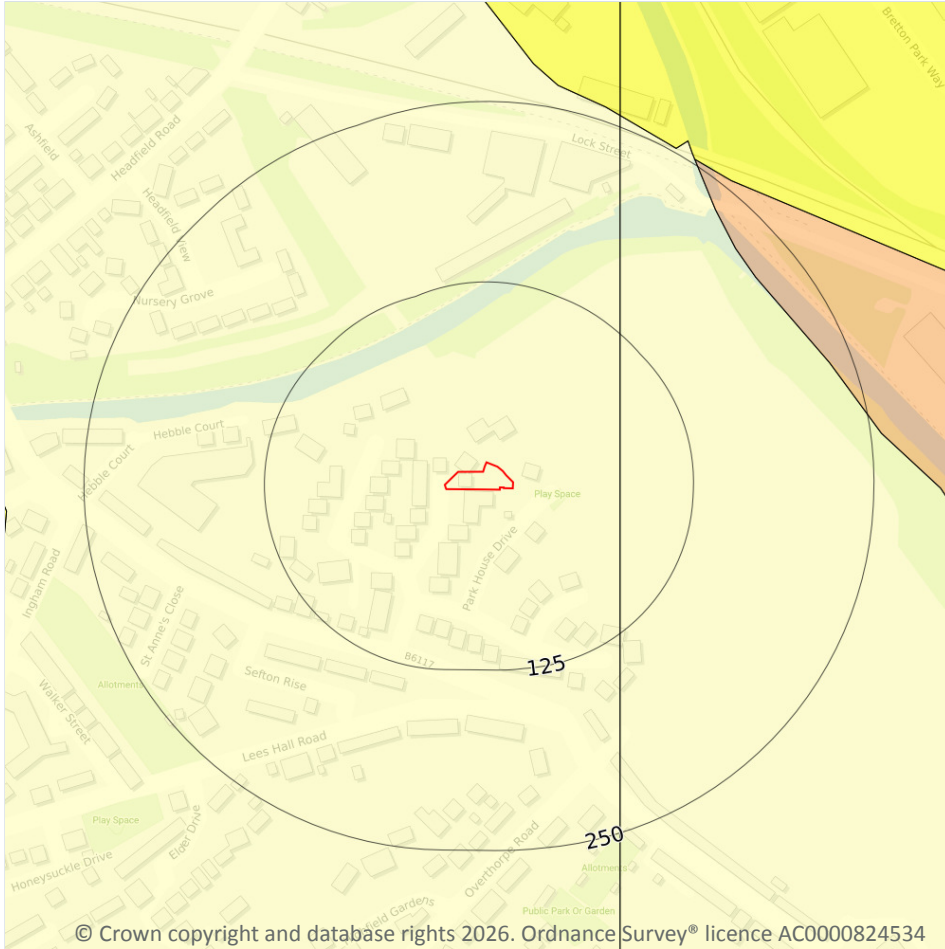
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 114](#) >

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.
46m NW	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



— Site Outline
Search buffers in metres (m)

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

17.2 Running sands

Records within 50m

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.

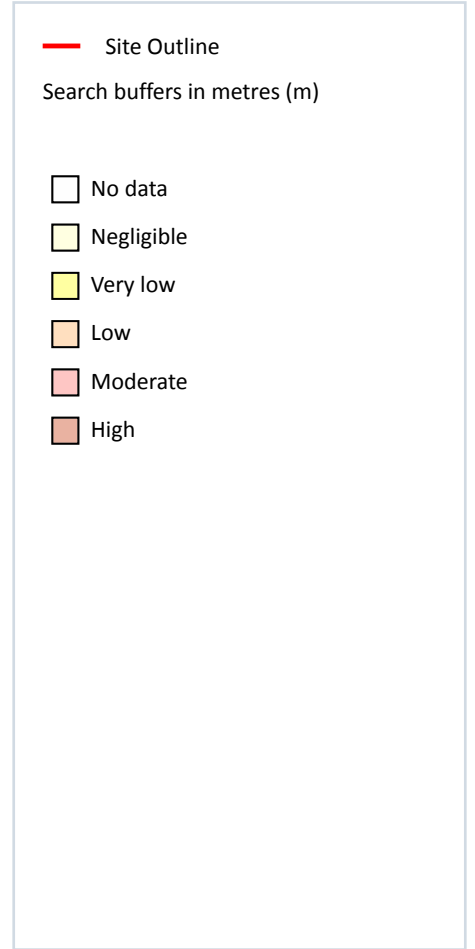
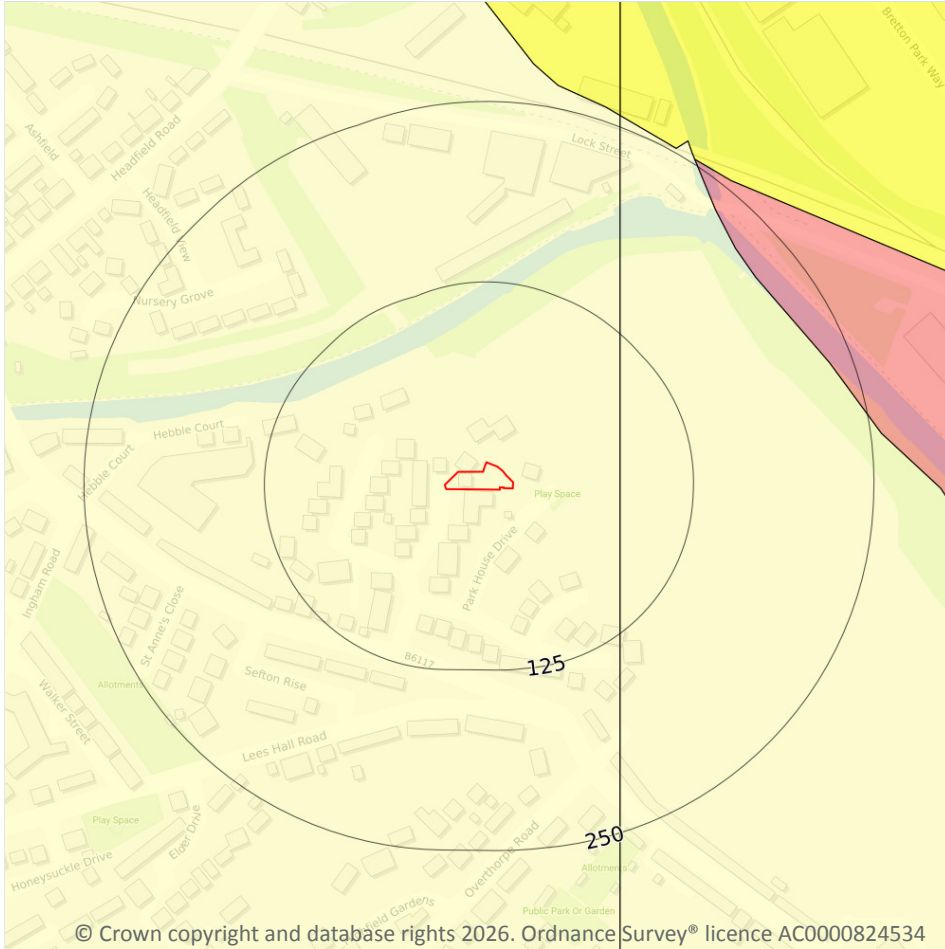
Features are displayed on the Natural ground subsidence - Running sands map on [page 115 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

1

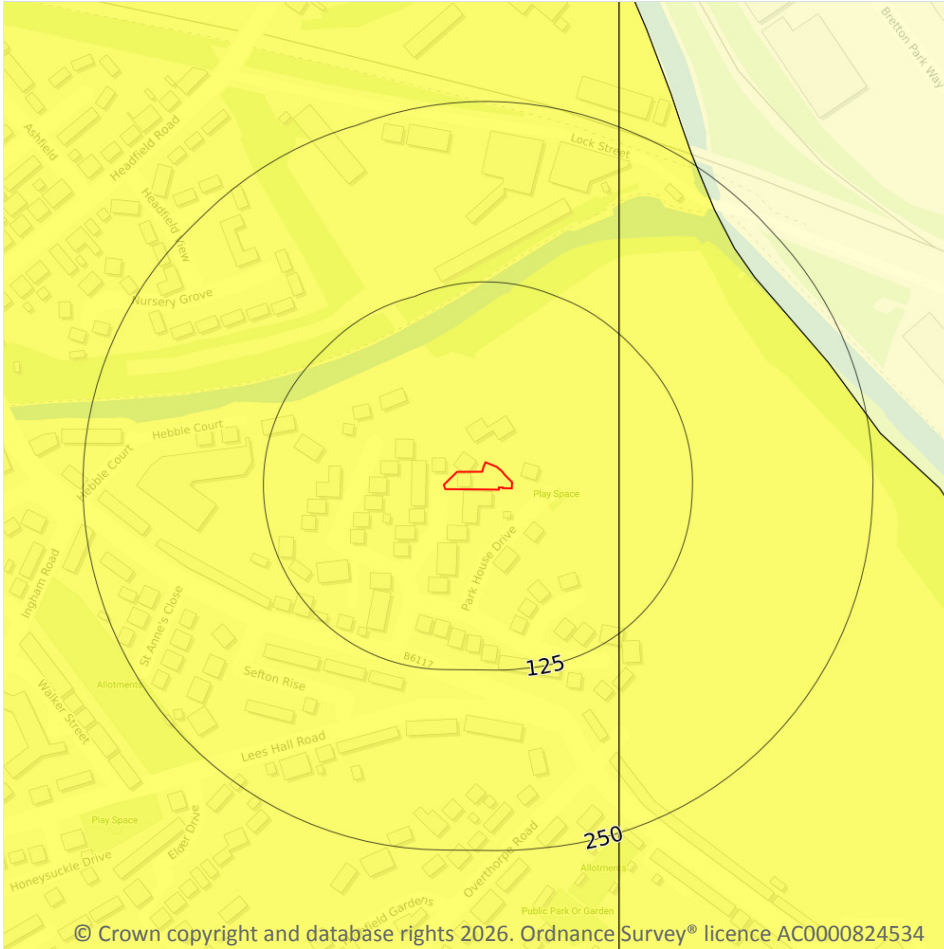
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 116](#) >

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



17.4 Collapsible deposits

Records within 50m

1

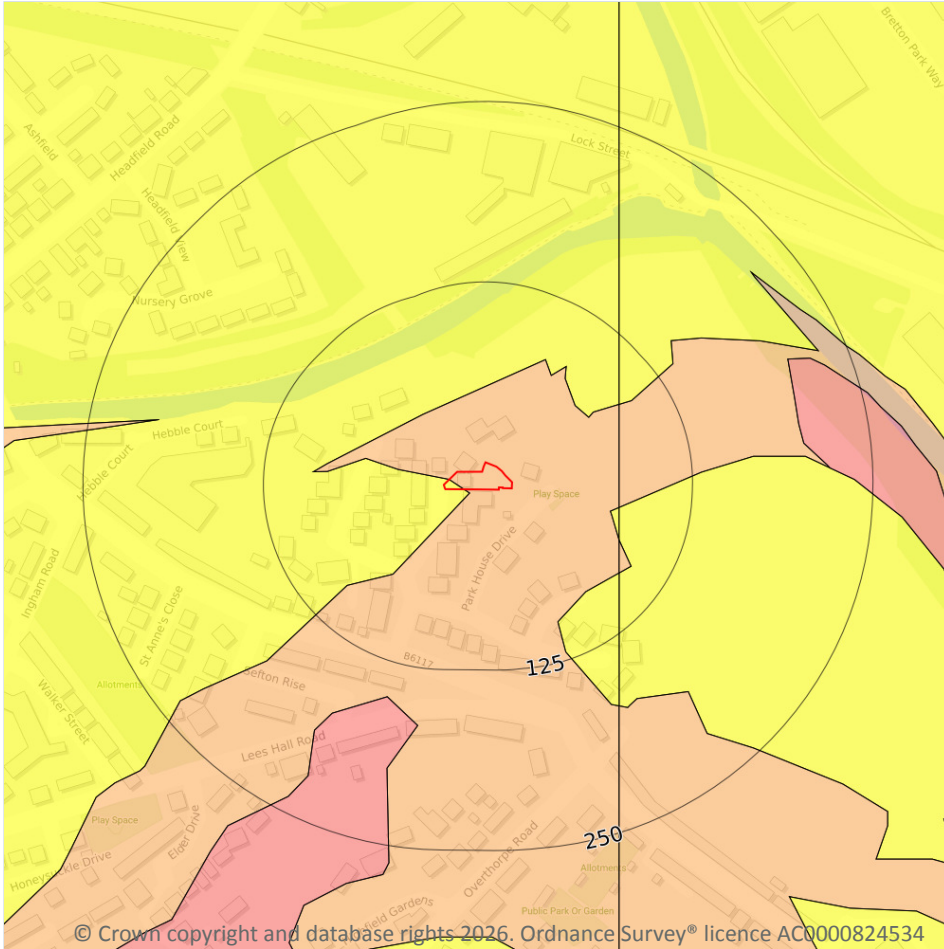
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 117 >](#)

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



— Site Outline
Search buffers in metres (m)

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

17.5 Landslides

Records within 50m

2

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 118](#) >

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

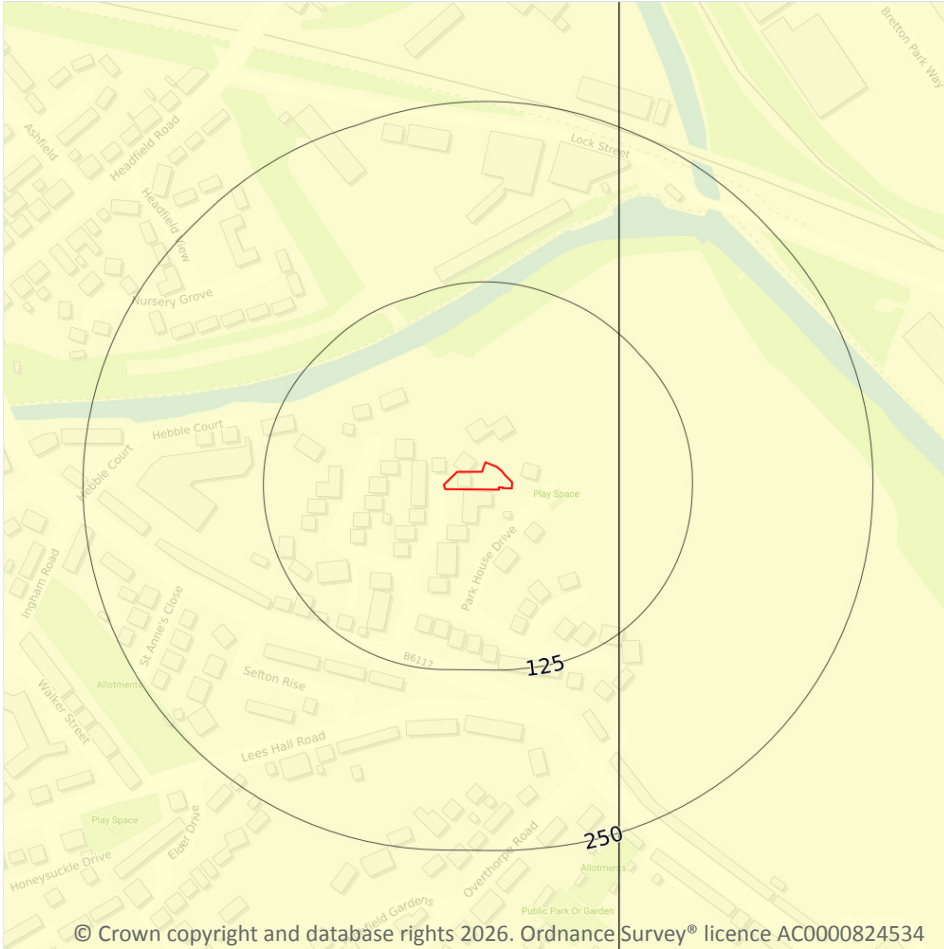


Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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.

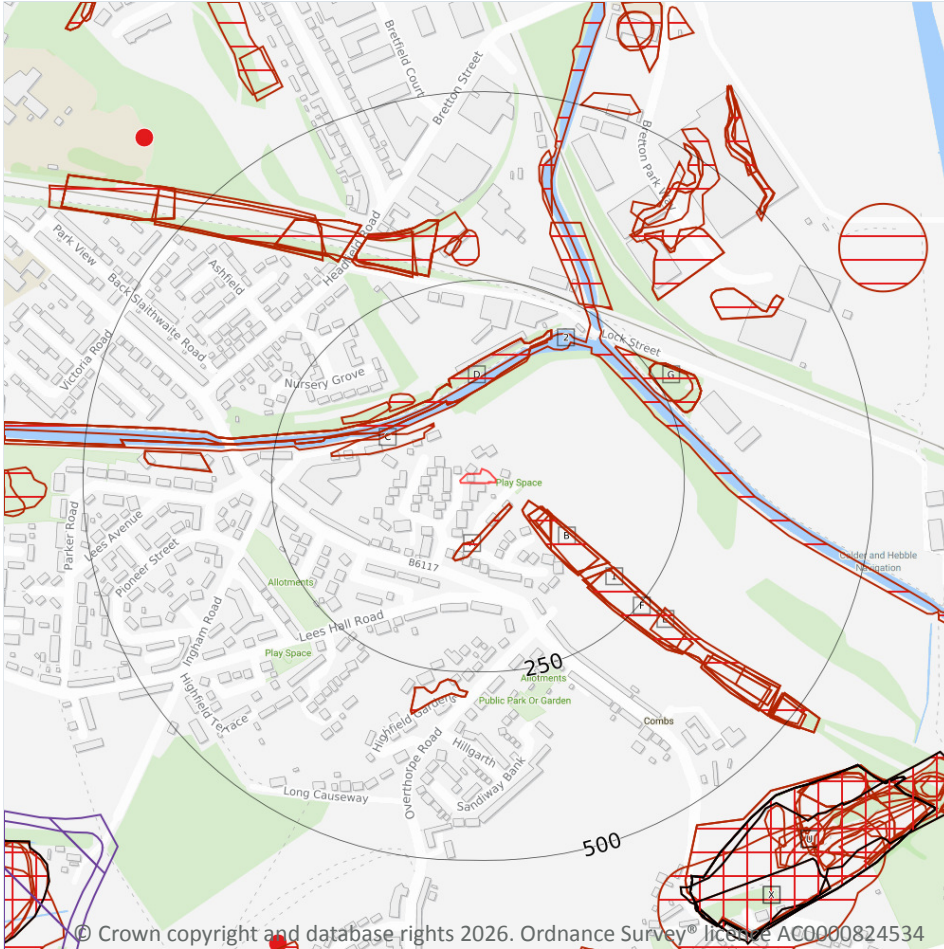
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 120](#) >

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 and ground workings



18.1 BritPits

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

28

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

Features are displayed on the Mining and ground workings map on [page 122](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	34m SE	Unspecified Ground Workings	1982	1:10000
A	34m SE	Unspecified Ground Workings	1966	1:10560
B	50m SE	Cuttings	1948	1:10560
B	50m SE	Cuttings	1905	1:10560
B	61m SE	Cuttings	1951	1:10560
1	61m SE	Cuttings	1938	1:10560
B	74m SE	Cuttings	1966	1:10560
C	74m NW	Unspecified Ground Workings	1951	1:10560
B	84m SE	Cuttings	1955	1:10560
B	84m SE	Cuttings	1966	1:10560
2	90m NW	Canal	1892	1:10560
D	95m N	Canal	1993	1:10000
D	95m N	Canal	1982	1:10000
D	95m N	Canal	1966	1:10560
D	95m N	Canal	1951	1:10560
C	118m NW	Unspecified Pit	1905	1:10560
C	134m NW	Unspecified Ground Workings	1951	1:10560
E	174m SE	Cuttings	1973	1:10000
E	174m SE	Cuttings	1955	1:10560
E	174m SE	Cuttings	1966	1:10560
F	185m SE	Cuttings	1948	1:10560
F	185m SE	Cuttings	1905	1:10560
G	235m NE	Refuse Heap	1948	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
G	247m NE	Unspecified Heap	1973	1:10000
G	247m NE	Unspecified Heap	1992	1:10000
G	247m NE	Refuse Heap	1955	1:10560
G	247m NE	Unspecified Heap	1983	1:10000
G	247m NE	Refuse Heap	1966	1:10560

This is data is sourced from Ordnance Survey®/Groundsure.

18.3 Underground workings

Records within 1000m

9

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

Features are displayed on the Mining and ground workings map on [page 122 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
U	557m SE	Colliery	1955	1:10560
U	557m SE	Colliery	1966	1:10560
U	557m SE	Colliery	1973	1:10000
U	561m SE	Colliery	1892	1:10560
X	617m SE	Colliery	1948	1:10560
8	744m SW	Unspecified Mine	1966	1:10560
-	810m SW	Unspecified Workings	1982	1:10000
-	931m NE	Unspecified Shaft	1992	1:10000
-	931m NE	Unspecified Shaft	1980	1:10000

This is data is sourced from Ordnance Survey®/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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



This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

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 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.



18.9 Researched mining

Records within 500m

0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

1

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

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

This data is sourced from the Coal Authority.



18.13 Brine areas

Records on site	0
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The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

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

18.14 Gypsum areas

Records on site	0
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0
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Generalised areas that may be affected by kaolin and ball clay extraction.

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

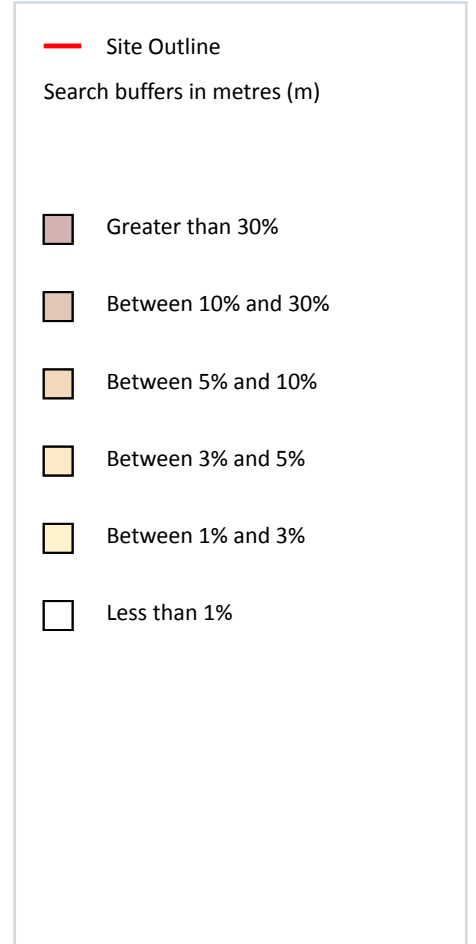
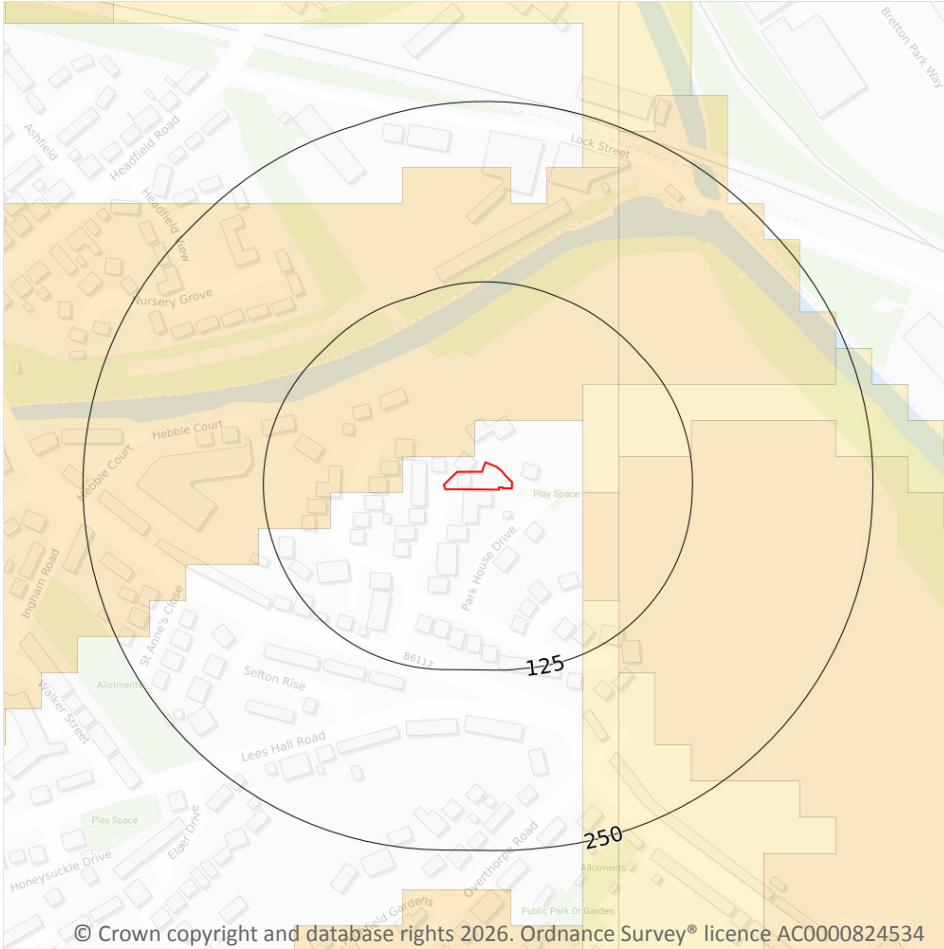
Not all 'holes' noted on Ordnance Survey® mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 130 >](#)

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



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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

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	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
46m NW	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

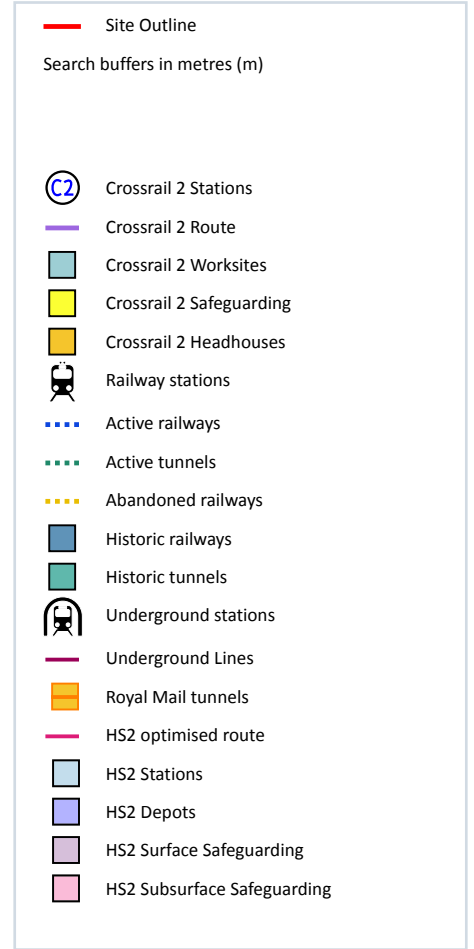
0

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

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey® mapping.

This data is sourced from the Ordnance Survey®.

22.4 Historical railway and tunnel features

Records within 250m

1

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 133 >](#)

Location	Land Use	Year of mapping	Mapping scale
238m N	Railway Sidings	1966	10560

This data is sourced from Ordnance Survey®/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

6

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

Features are displayed on the Railway infrastructure and projects map on [page 133 >](#)

Location	Description
12m NE	Abandoned



Location	Description
12m NE	Historical OSM
58m NW	Abandoned
58m NW	Historical OSM
120m NW	Abandoned
121m NW	Historical OSM

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

2

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on [page 133 >](#)

Location	Name	Type
246m N	Huddersfield Line	rail
248m N	Not given	Multi Track

This data is sourced from Ordnance Survey® and OpenStreetMap.

22.8 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

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