

Land south of Springwood Drive, Whalley

Phase 1 - Preliminary Risk Assessment



Prepared for:

CRJ Developments Ltd.

Report Ref: BEK-24124-1 Rev B

October 2025

**BEK Geo-Environmental Consulting**

No.2 Landwick Court, Metcalf Drive, Altham Business Park,
Lancashire BB5 5GY

mbuckley@bekenviron.co.uk

bekenviron.co.uk

01254 377622

Project Quality Assurance Information Sheet

Site	Land south of Springwood Dr, Whalley, Clitheroe, BB7 9XL
Report Title	Phase 1 - Preliminary Risk Assessment
Report Status	Final
Report No	BEK-24124-1 Rev B
Date	October 2025
Prepared For	CRJ Developments Ltd. 1 Brookes Close Whalley Clitheroe BB7 9GZ
Prepared By	BEK ENVIRO No 2 Landwick Court Metcalf Drive Altham Business Park Lancashire BB5 5GY
Author(s)	Philip Conroy BSc (Hons) PGCE
Checked	David Emmott BSc (Hons) MSc MEnvSci CEnv
Authorised	Michael Buckley BSc (Hons) MSc MEnvSci CEnv
Contact	mbuckley@bekenviron.co.uk www.bekenviron.co.uk Office: 01254 377622 Mobile: 07906753583



BEK Geo-Environmental Consulting

No.2 Landwick Court, Metcalf Drive, Altham Business Park,
Lancashire BB5 5GY

mbuckley@bekenviron.co.uk

bekenviron.co.uk

01254 377622

Land south of Springwood Drive, Whalley

Phase 1 - Preliminary Risk Assessment

PROJECT NO: 24124

REPORT REF: BEK-24124-1 Rev B

DATE: October 2025

REVISION STATUS / HISTORY

Rev	Date	Issue / Comment	Prepared	Checked
A	25/9/25	New development layout	AB	MB
B	20/10/25	New development layout, minor amendments to drawings	AB	MB

GENERAL REPORT LIMITATIONS

BEK Enviro Limited (BEK) has prepared this report for the sole use of the client, showing reasonable skill and care, for the intended purposes as stated in the agreement under which this work was completed. The report may not be relied upon by any other party without the express agreement of the client and BEK. No other warranty, expressed or implied, is made as to the professional advice included in this report.

Where any data supplied by the client or from other sources have been used, it has been assumed that the information is correct. No responsibility can be accepted by BEK for inaccuracies in the data supplied by any other party. The conclusions and recommendations in this report are based on the assumption that all relevant information has been supplied by those bodies from whom it was requested.

No part of this report may be copied or duplicated without the express permission of BEK and the party for whom it was prepared. Where field investigations have been carried out, these have been restricted to a level of detail required to achieve the stated objectives of the work.

Unless explicitly agreed otherwise, in writing, this report has been prepared under BEK's limited standard Terms and Conditions as included within our proposal to the Client.

TABLE OF CONTENTS

1.	INTRODUCTION	
1.1	Appointment	
1.2	Proposed Development	
1.3	Objective & Scope of Work	
1.4	Limitations	
2.	SITE DESCRIPTION	
2.1	Site Location	
2.2	Site Layout & Description	
2.3	Surrounding Land Use	
3.	SITE HISTORY	
4.	ENVIRONMENTAL SETTING	
4.1	Geology	
4.2	Hydrogeology	
4.3	Hydrology	
4.4	Mining & Ground Workings	
4.5	Contaminated Land & Landfill Activities	
4.6	Historical Tank Database	
4.7	Sensitive Land Uses	
4.8	Radon	
4.9	Unexploded Ordnance	
5.	POTENTIAL POLLUTANT LINKAGES	
5.1	General	
5.2	Potential Contaminants of Concern	
5.3	Preliminary Conceptual Model	
6.	RECOMMENDATIONS	
APPENDICES		
Appendix A	Historical OS Maps	
Appendix B	Enviro+GeoInsight Report	
Appendix C	Photographs	
Appendix D	Drawings	
DRAWINGS		
BEK Drawing No 24124-1 Rev A	Site Location Plan	
BEK Drawing No 24124-2 Rev A	Site Layout Plan	
Drawing 12477 SWD-CAA-XX-XX-D-A-1002 P4	Proposed Site Plan	

1. INTRODUCTION

1.1 Appointment

1.1.1 BEK Enviro (BEK) have been commissioned by CRJ Developments Ltd to carry out a Preliminary Risk Assessment (PRA) for the proposed development at the land south of Springwood Drive, Whalley, Clitheroe (hereafter referred to as 'the site'). The PRA will assess potential risks associated with contamination and ground gas with respect to the proposed residential development.

1.1.2 The site location and site layout are presented on BEK Drawing No 24124-1 Rev A and BEK Drawing No 24124-2 Rev A, respectively. Copies of these drawings are presented in Appendix D.

1.2 Proposed Development

1.2.1 This assessment has been prepared to support an application for planning permission for the proposed erection of six residential dwellings with associated parking and soft landscaping areas.

1.2.2 The proposed layout is shown on the Drawing 'Proposed Site & Roof Plan', Drawing 12477 SWD-CAA-XX-XX-D-A-1002 P4, dated September 2024, a copy of which is presented in Appendix D.

1.3 Objective & Scope of Works

1.3.1 The objective is to provide a qualitative assessment of the potential risks from contamination and ground gas to support the residential end use (with home grown produce).

1.3.2 To achieve the objective BEK has undertaken the following:

- Carried out a site walkover/inspection and collected photographs
- Reviewed the available relevant background information for the site, including:
 - Recent Ordnance Survey Map
 - BGS Web Page
 - Site Specific GroundSure Reports
 - Site Specific Historical Maps
 - Coal Authority Website
 - Google Earth Images
 - Local Planning Authority Information
 - Zetica UXO data
- Develop a preliminary conceptual site model in accordance with guidance to identify potentially significant pollutant linkages specific to the proposed development

- Established areas of potential concern based on identified risks and/or potential risks
- Identified any actions required to assess or reduce the risks identified

1.4 Limitations

- 1.4.1 The conclusions and recommendations presented in this report are the result of our professional interpretation of the information currently available. BEK reserves the right to amend the conclusions and recommendations if further information becomes available.
- 1.4.2 However, it should be noted that much of the information has been derived from reports written by others and BEK takes no responsibility for the accuracy of that information. Notwithstanding the above, the reports reviewed have all been written by professional environmental consultants with a duty of care to provide relevant and accurate information.
- 1.4.3 This report does not include an assessment of the vegetation present at the site and specifically the identification of any invasive plant species.

2. SITE DESCRIPTION

2.1 Site Location

- 2.1.1 The site is located approximately 315 m north-east of Whalley and approximately 500 m east of Whalley train station.
- 2.1.2 The Grid Reference for the approximate centre of the site is 373564, 436596. The site location is illustrated on BEK Drawing No 24124-1 Rev A, a copy of which is presented in Appendix D.

2.2 Site Layout & Description

- 2.2.1 A site walkover/inspection was conducted by an engineer from BEK in September 2024. A selection of photographs illustrating the existing site layout are presented in Appendix C. The general site layout is shown on BEK Drawing No 24124-2 Rev A, a copy of which is presented in Appendix D.
- 2.2.2 The site is a roughly triangular shaped plot of land covering approximately 0.7 ha (6900 m²) consisting of an undeveloped grassland area, overgrown shrubbery and an informal playing field in the north.
- 2.2.3 At the time of the site walkover the site was accessed via Springwood Drive in the north and was open access from the road. The site inspection was conducted during summer months and was overgrown in nature (principally with nettles) other than the playing field which looked to be low grass. There is a slight level change in the west of the site with the westernmost part and the southern part some 2 m lower than the northern part of the site.
- 2.2.4 A small stream/inland river was noted running parallel along the eastern boundary of the site which entered a culvert in the north which then continues northwards beneath Springwood Drive.
- 2.2.5 The site is secured along its southern and western boundaries by wooden fencing panels approximately 2 m in height on to neighbouring properties. The eastern boundary is bordered by the small stream/ river and further joins the northern boundary which is bordered by Springwood Drive.
- 2.2.6 No obvious signs of potential invasive species were identified. There were no signs of pollution on site or significant staining in any of the areas related to burning of waste or oil spillages.

2.3 Surrounding Land Use

2.3.1 The surrounding land uses are summarised in Table 1 below:

Direction	Land Use
North	Residential properties.
East	Residential properties, fields of presumed agricultural use.
South	Residential properties, fields of presumed agricultural use.
West	Residential properties

Table 1: Surrounding Land Uses

3. SITE HISTORY

- 3.1 The history of the site has been established using Groundsure historical OS maps, which are presented in Appendix A. Table 2 below shows a summary of historic map Information.

Map Edition	Historical Land Use	
	On Site	Off Site
1848 (10,560)	Site is entirely occupied by undeveloped fields, presumed agricultural. Some field boundaries cross the site and a stream is mapped parallel with the eastern boundary.	The immediate area around the site is mapped as predominately as undeveloped land, presumed agricultural use. The occasional property is mapped. The road layout is present and is similar to that at present day. Clitheroe road is 20 m west of site at its closest point. Some ponds/Reservoirs are mapped 150 m south east and 220 m southwest.
1892 (10,560)	No significant change.	Residential properties developed in the surrounding area, 30 m northwest at its closest point.
1896 (10,560)	Partially mapped.	Partially mapped.
1910 (10,560)	No significant change.	No significant change.
1932-1950 (10,560) (2,500)	No significant change.	Residential properties developed in the surrounding area.
1968-1969 (10,560) (2,500)	No significant change.	Ponds/Reservoirs are no longer mapped 150m southeast and 220 m southwest. Residential properties further developed.
1973 (10,000) (2,500)	No significant change.	No significant change.

Map Edition	Historical Land Use	
	On Site	Off Site
1992 (2,500)	Field boundaries no longer mapped. Track crosses the southeast corner of the site.	The farm/property has been developed 20 m south of site at its closest point. Tracks are mapped from the property to the southeast and east of the site. One of these tracks crosses the southwestern boundary. Residential properties developed in the surrounding area.
2001-2010 (10,000) (1,250)	No significant change.	No significant change.
2015 (Satellite Imagery)	No significant change.	Properties developed immediately north including spring wood drive and associated infrastructure. The stream will have been culverted during this development.
2024 (10,000)	No significant change.	No significant change.

Table 2: Summary of Historic Map Information

4. ENVIRONMENTAL SETTING

4.0.1 The Groundsure Enviro+GeoInsight Report is presented in Appendix B and information provided in this report has been used within this section.

4.1 Geology

4.1.1 The site geology is illustrated in the Enviro+GeoInsight Report which has sourced data from several sources including British Geological Society (BGS), BRITPITS database and the Coal Authority.

Made Ground

4.1.2 The Enviro+GeoInsight report did not identify made ground within 250 m of the site.

Superficial Geology

4.1.3 The Enviro+GeoInsight Report states that the superficial deposits consist of Devensian Till - Diamicton. The Devensian Till has a mixed flow type with low to high permeability.

Bedrock

4.1.4 The Enviro+GeoInsight Report and the BGS website indicates that the underlying solid geology on site comprises of the 'Bowland Shale Formation' dominated by Mudstone. The bedrock permeability is described as fracture flow type with low permeability.

Linear Features

4.1.5 The Enviro+GeoInsight report did not identify any bedrock faults or linear features within 250 m of the site.

4.2 Hydrogeology

4.2.1 The superficial deposits Aquifer on site has been classified by the Environment Agency as a 'Secondary Undifferentiated' aquifer. This is assigned where it is not possible to attribute either category A or B to a rock type. In general, these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.

4.2.2 The underlying bedrock is classified as a 'Secondary Undifferentiated' aquifer. This is assigned where it is not possible to attribute either category A or B to a rock type. In general, these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.

4.2.3 The Enviro+GeoInsight Report indicates the site is not located within a Source Protection Zone (SPZ).

4.2.4 The Enviro+GeoInsight Report indicates there are no ground or surface water abstractions within 250 m of the site.

4.2.5 Groundwater flow is anticipated to be in a southerly direction towards the River Calder due the local topography.

4.3 Hydrology

4.3.1 The Enviro+GeoInsight Report indicates that there are eleven surface water features within 250 m of the site. After assessment of the surface water features map, these relate to two locations as detailed below;

- On site (along eastern boundary) - Inland River not influenced by normal tidal action.
- 28 m south-east - Inland River not influenced by normal tidal action.

4.3.2 Furthermore, it is noted that the site is part of the Calder - Pendle Water catchment of the Ribble Management catchment.

4.3.3 The Enviro+GeoInsight Report did not identify any licensed discharge consents to controlled waters located within 250 m of the site.

4.3.4 The site is considered to be at low risk from groundwater flooding and has a 1 in 30 year, 0.3 to 1.0 m risk from surface water flooding.

4.3.5 There have been three historical flood events within 250 m of the site as detailed below.

- 27 m south - 26 and 27/12/ 2015 - Channel capacity exceeded (no raised defences)
- 205 m south-west - 26 and 27/12/ 2015 - no data
- 218 m south-west - 26 and 27/12/2015 - Channel capacity exceeded (no raised defences)

4.3.6 The site is located within a Flood Zone 2 (Fluvial/Tidal Models) and a Flood Zone 3 (Fluvial Models).

4.4 Mining & Ground Workings

4.4.1 The information provided by Groundsure indicates that the site is not located within an area which may have been affected by coal mining, further information from the Coal Authority Interactive map indicates that the site is not located within a coal mining consultation area.

4.4.2 The Enviro+GeoInsight Report indicates that there are 10 records of surface ground workings located within 250 m of the site relating to 3 locations as identified below:

- 159 m south-east - 1848-1950 - Pond/ reservoir (5 records)
- 219 m north-west - 1892 - Brick and Tile Works (1 record)
- 225 m south-west - 1892-1950 - Pond/Reservoir (4 records)

4.4.3 Due to the distance from site and the age of the potentially infilled land, the ponds/reservoirs and brick and tile works are not considered to have the potential to impact the subject site and have therefore not been considered further.

4.4.4 The Enviro+GeoInsight Report did not identify any records of underground workings within 250 m of the site.

4.4.5 The Enviro+GeoInsight Report provides hazard ratings associated with ground subsidence at the site, as summarised below:

Shrink-Swell Clay:	Very Low
Running Sands:	Very Low
Compressible Deposits:	Negligible
Collapsible Deposits:	Very Low
Landslides:	Very Low
Dissolution of Soluble Rocks:	Negligible

4.4.6 It can be seen from the above that the site is unlikely to be affected by natural ground instability issues.

4.5 Contaminated Land & Landfill Activities

4.5.1 The Enviro+GeoInsight Report did not identify any historical landfill and waste sites located within 250 m of the site.

4.5.2 The Enviro+GeoInsight Report did not identify any EA recorded pollution incidents within 250 m of the site.

4.5.3 The following information has been obtained from a commercially available environmental database. The summary table (Table 3) only includes records not otherwise detailed in the report. The table summaries the closest entries to site.

Activity	0-249m	250-500m	Details
Sites Determined as Contaminated Land	0	0	N/A
Control of Major Accident Hazards (COMAH)	0	0	N/A
Regulated Explosive Sites	0	0	N/A
Hazardous substance storage/usage	0	0	N/A
Historical licensed Industrial Activities (IPC)	0	0	N/A
Licensed Industrial Activities (Part A(1))	0	0	N/A
Licensed Pollutant Release (Part A(2)/B)	0	2	Location - 495m E Address - Press to Impress, Unit 8, The Sidings, Whalley, BB7 9SE Process - Dry Cleaning Permit type/status - Historical Permit, Part B Enforcement - No enforcements notified. Location - 468m W Address - Whalley Dry Cleaners, Unit 8, The Sidings Bus Park, Station Road, Whalley, BB7 9SE Process - Dry Cleaning Permit type/status - Current Permit, Part B Enforcement - No enforcements Notified
Radioactive Substance Authorisations	0	0	N/A
Licensed discharges to controlled waters	0	0	N/A
Pollutant release to surface water (Red List)	0	0	N/A
Pollutant Release to public sewer	0	0	N/A
List 1 Dangerous Substances	0	0	N/A
List 2 Dangerous Substances	0	0	N/A
Pollution Incidents (EA/NRW)	0	0	N/A
Pollution Inventory Substances	0	0	N/A
Pollution Inventory Waste Transfers	0	0	N/A
Pollution Inventory Radioactive Waste	0	0	N/A

Table 3: Summary of Groundsure Data

4.5.4 The Enviro+GeoInsight Report identified four historical energy features within 250 m of the site, relating to two locations. These are detailed as follows:

- 104 m south-west - 1989-1994 - Electricity Substation (2 records)
- 211 m north-east - 1989-1994 - Electricity Substation (2 records)

4.5.5 Due to the distance from site and the low mobility of PCBs, the identified electricity sub stations are not considered to have the potential to impact the subject site and have therefore not been considered further.

4.5.6 Information in the Enviro+GeoInsight Report indicates that there is one historical potentially contaminative historical industrial land use within 250 m of the site, as detailed below:

Location	Land Use	Dates Present
219m NW	Brick and Tile Works (1 record)	1892

Table 4: Historical Potentially Contaminative Land Uses

4.5.7 The Enviro+GeoInsight Report did not identify any historical petrol stations on or within 250 m of the site.

4.5.8 The Enviro+GeoInsight Report did not identify any records of historical garages within 250m of the site.

4.6 Historical Tank Database

4.6.1 The Enviro+GeoInsight Report did not identify any historical tanks within 250 m of the site.

4.7 Sensitive Land Uses

4.7.1 The Enviro+GeoInsight Report indicates the site is not located within a currently defined Nitrate Vulnerable Zone (NVZ).

4.7.2 The Enviro+GeoInsight Report did not identify any environmental designations on site and is located within a SSSI impact risk zone. Some planning applications will require consultation and it is recommended that contact should be made with a suitably qualified planning consultant for further information.

4.8 Radon

4.8.1 The Enviro+GeoInsight Report indicates that 'Between 1 % and 3 % of the homes are affected by Radon' and as such, radon protective measures are not required.

4.9 Unexploded Ordnance

- 4.9.1 The regional unexploded bomb risk map from Zetica (2024) indicates that the site is in an area at LOW risk from possible Unexploded Ordnance (UXO) resulting from the Second World War.
- 4.9.2 BEK does not consider any further assessment to be required with respect to UXO.

5. POTENTIAL POLLUTANT LINKAGES

5.1 General

5.1.1 This section identifies the potential contaminants of concern, sources, pathways and receptors that may be associated with the site based on its known history and the current condition and with respect to the re-development of the site for residential use.

5.1.2 This information is used to develop a conceptual model which is a qualitative description of potential sources of environmental pollutants, the pathways by which they are transported and the receptors:

- i) Potential sources of contamination: these include any actual or potentially contaminating materials and activities, located either on or in the vicinity of the site
- ii) Potential pathways for contamination migration: these comprise the routes or mechanisms by which contaminants may migrate from the source to the receptor including environmental migration pathways and human health exposure pathways
- iii) Potential receptors of contamination: these include future land users, ecological systems, water resources and property.

5.2 Potential Contaminants of Concern

5.2.1 The site has been occupied by undeveloped fields, presumed agricultural since the earliest maps which date to 1848. Residential properties had been developed in the surrounding area over time and two ponds were mapped from 1848, 150 m south-east and 220 m south-west. These ponds were later filled in circa 1968 when residential properties in the surrounding area were developed.

5.2.2 Given the history of the site, the potential for significant contamination to be present is considered to be very low.

5.2.3 However, it is recommended that some site investigation is carried out to confirm ground conditions are as expected.

5.3 Preliminary Conceptual Model

5.3.1 As no significant contamination is considered likely based on the assessment herein, the significant pollutant linkages are considered to be present.

6. RECOMMENDATIONS

6.1 Based on the findings of the Preliminary Risk Assessment herein, the potential risks associated with contamination with respect to the construction of residential dwellings with residential gardens are considered to be very low.

6.2 However, site investigation works are recommended to confirm that ground conditions are as anticipated. Site investigation works are also required to support a geotechnical assessment for foundation design and possibly to inform surface water drainage options.

6.3 BEK recommends that the following works should be undertaken:

Site Investigation

6.4 The investigation should comprise the drilling of a series of boreholes to characterise the shallow ground conditions across the site. The investigation should provide a general spread across the site to provide widespread information for the ground conditions to prove nature and thickness of any made ground present and characterise the natural strata.

6.5 In-situ strength tests (SPTs) will be carried out and ground conditions will be recorded at each exploratory location by an experienced engineer.

6.6 Where necessary, samples will be recovered for laboratory testing to provide additional geotechnical information.

6.7 Samples of topsoil should be recovered for chemical testing to confirm suitability for re-use in gardens. Samples of natural clay will also be recovered for lab testing to inform concrete classification and geotechnical properties.

6.8 The works undertaken will be detailed in a Site Investigation & Ground Assessment report along with full justifications for the assessment and the conclusions and any recommendations.

Laboratory Testing

6.9 If soils or made ground materials are to be removed from site to facilitate the development works then it may be necessary to test soils/made ground for Waste Acceptance Criteria (WAC).

6.10 All testing will be carried out by a UKAS accredited laboratory to MCERTS standard (where available).

Assessment

- 6.11 The investigation findings will be assessed as part of a quantitative risk assessment to identify any potential significant pollutant linkages and provide recommendations for foundation design.
- 6.12 The assessment will be undertaken in accordance with current UK guidance and policy.

Reporting

- 6.13 The investigation findings should be assessed in accordance with current UK policy and guidance to identify any potential significant pollutant linkages and determine the requirements for mitigation and/or remediation.
- 6.14 The works undertaken will be detailed in a Site Investigation & Ground Assessment report along with full justifications for the assessment and the conclusions/recommendations.

Other Considerations

- 6.15 We would also recommend that consideration is given to the requirements of the water supply service provider and the completion of the UKWIR risk assessment for water pipe selection.
- 6.16 Soakaways to BRE365 may be required to support drainage options.

APPENDIX A

Historical OS Maps

Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1912
Revised 1912
Edition N/A
Copyright N/A
Levelled N/A

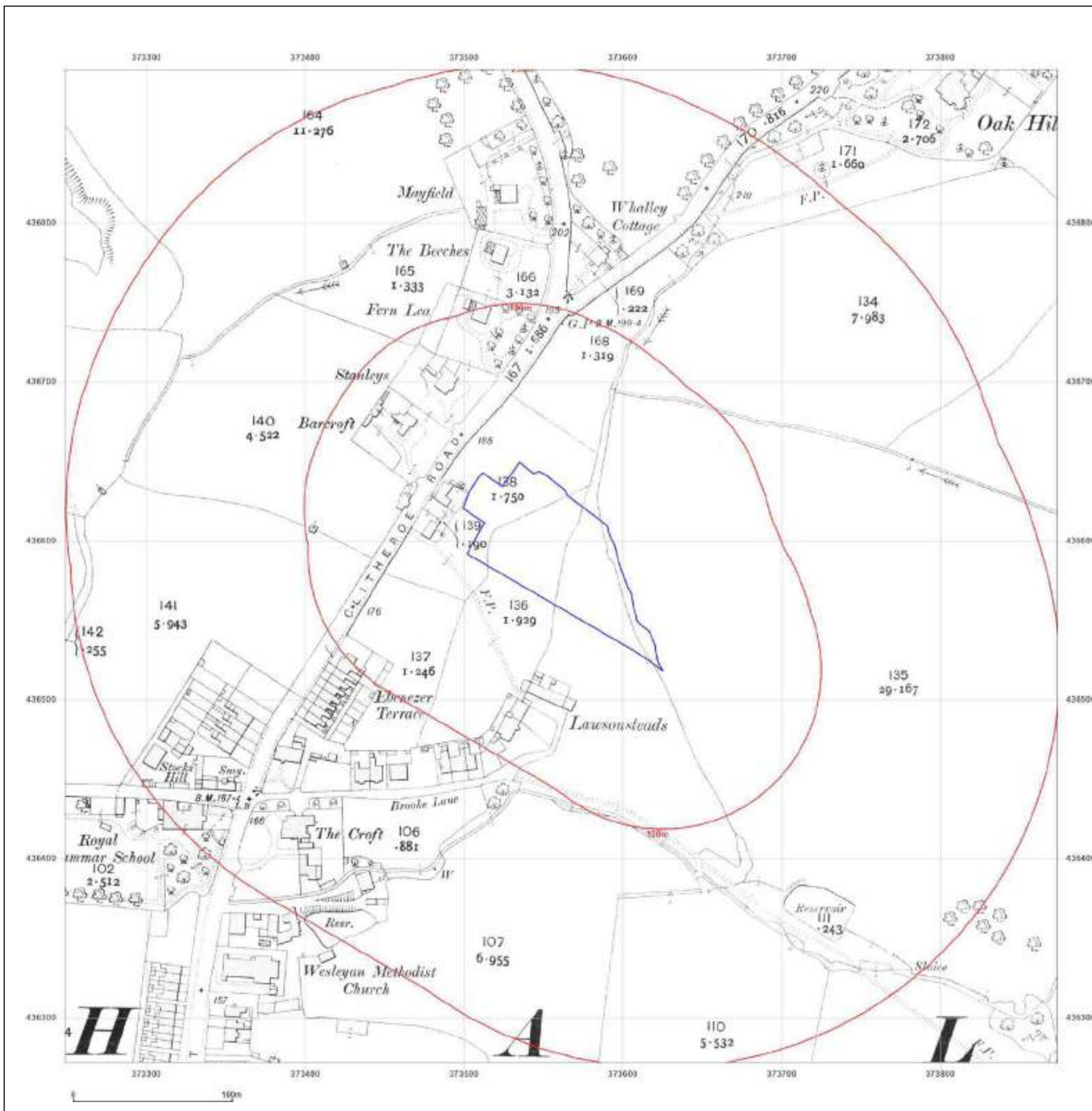


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



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

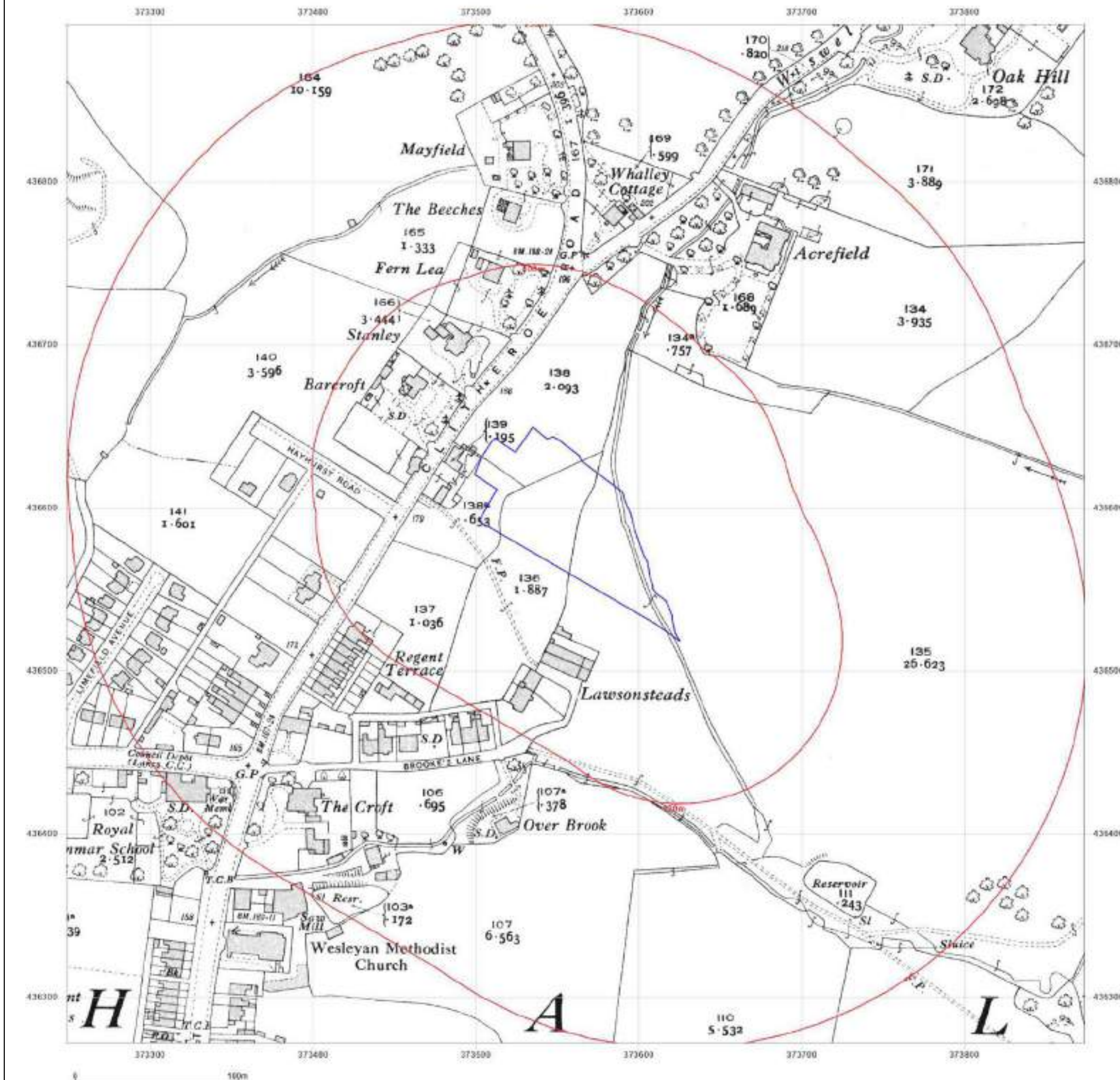


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: County Series

Map date: 1938

Scale: 1:2,500

Printed at: 1:2,500



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

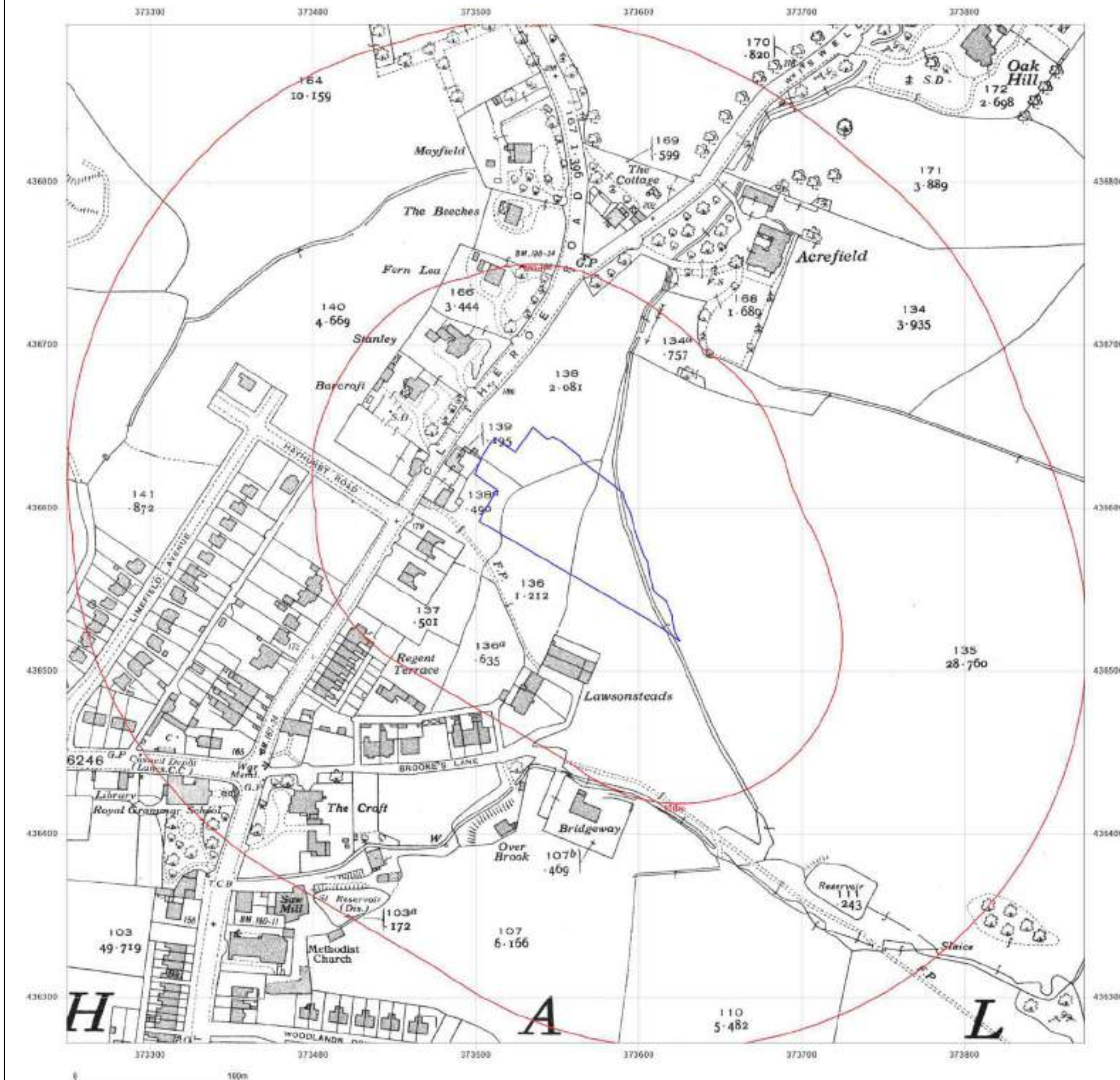


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: National Grid

Map date: 1968

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised 1968
Edition N/A
Copyright 1968
Levelled 1962

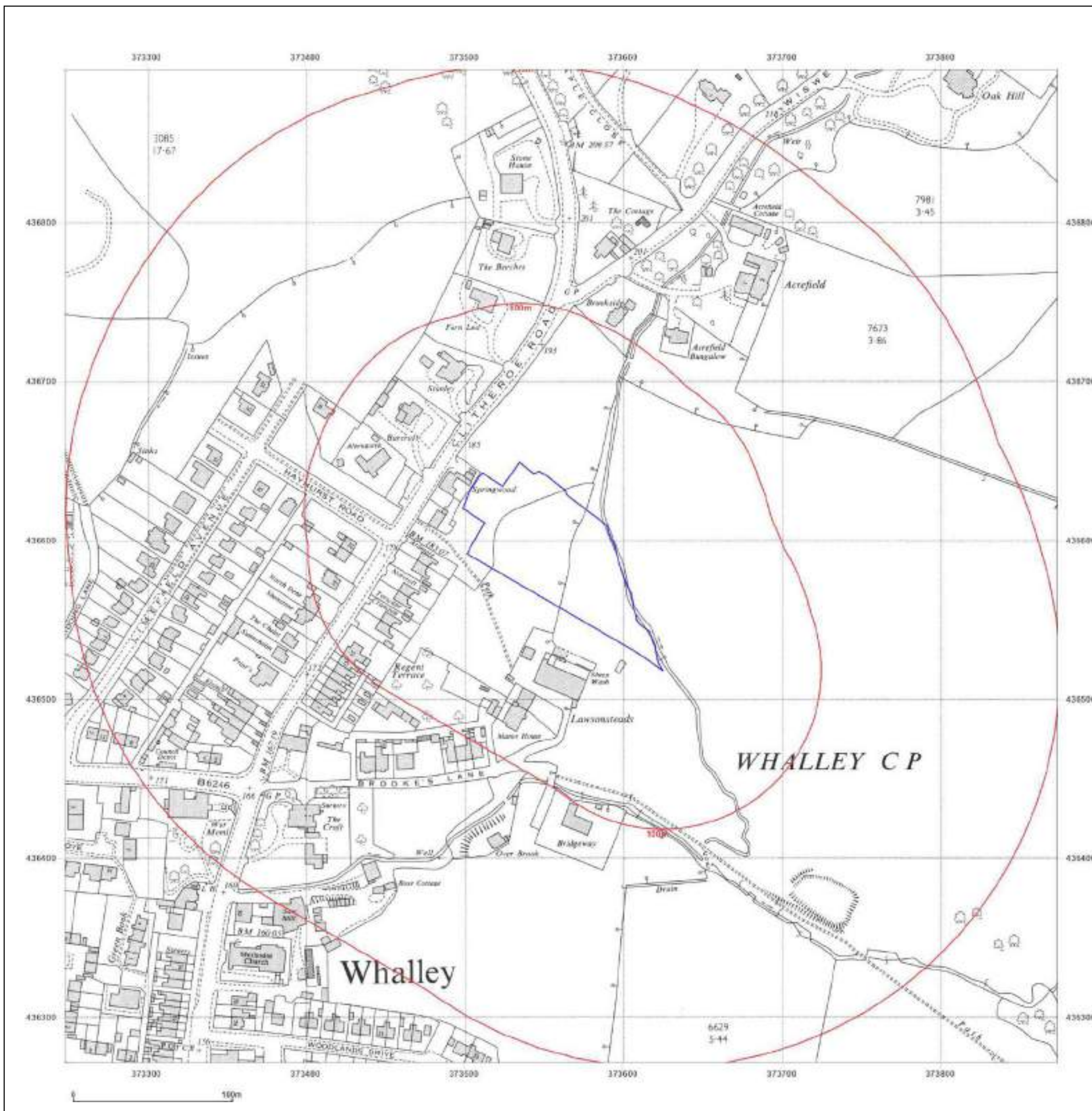


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: National Grid

Map date: 1975

Scale: 1:2,500

Printed at: 1:2,500



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

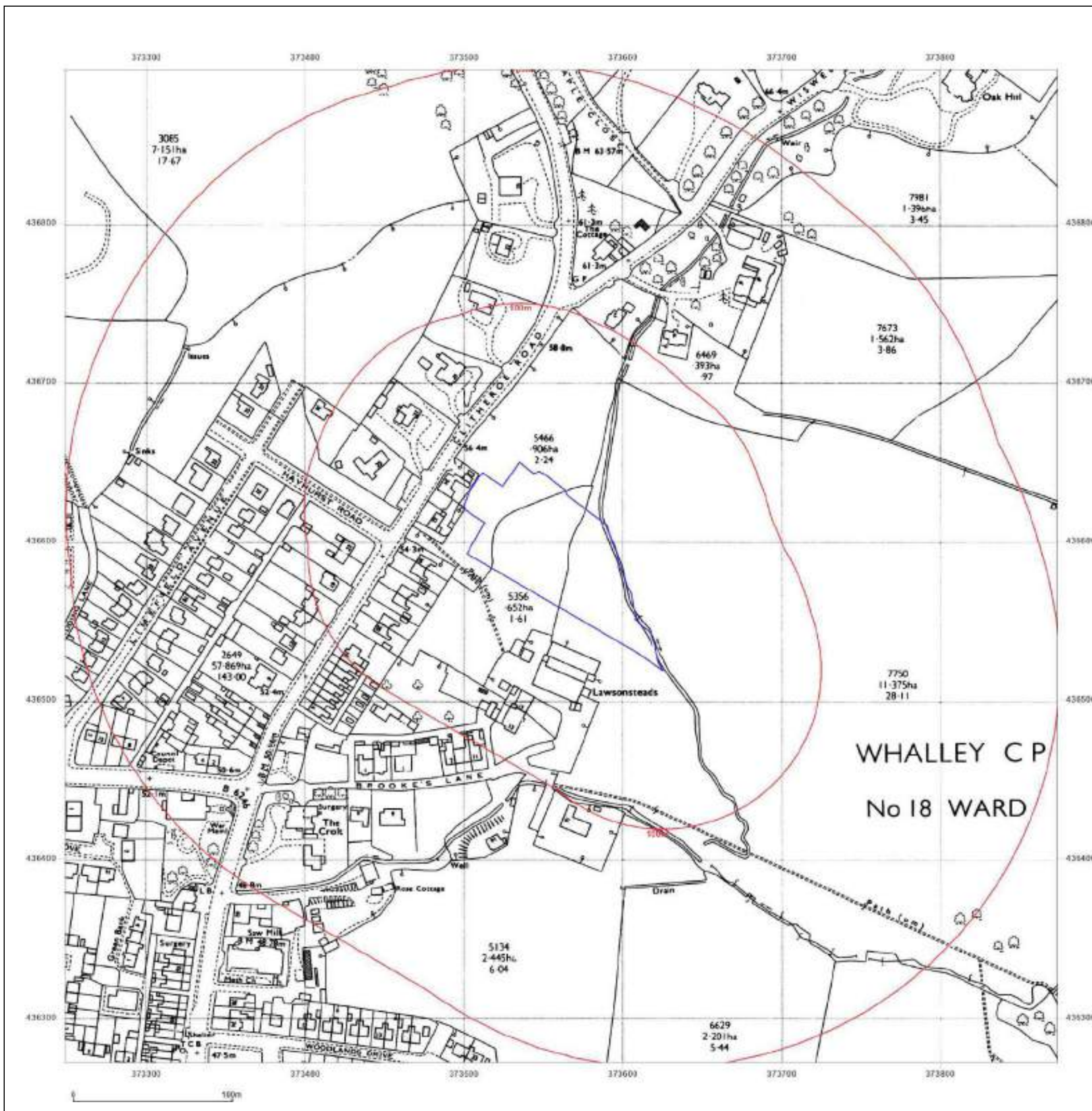


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: National Grid

Map date: 1975

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1974
Revised 1974
Edition N/A
Copyright 1975
Levelled 1962

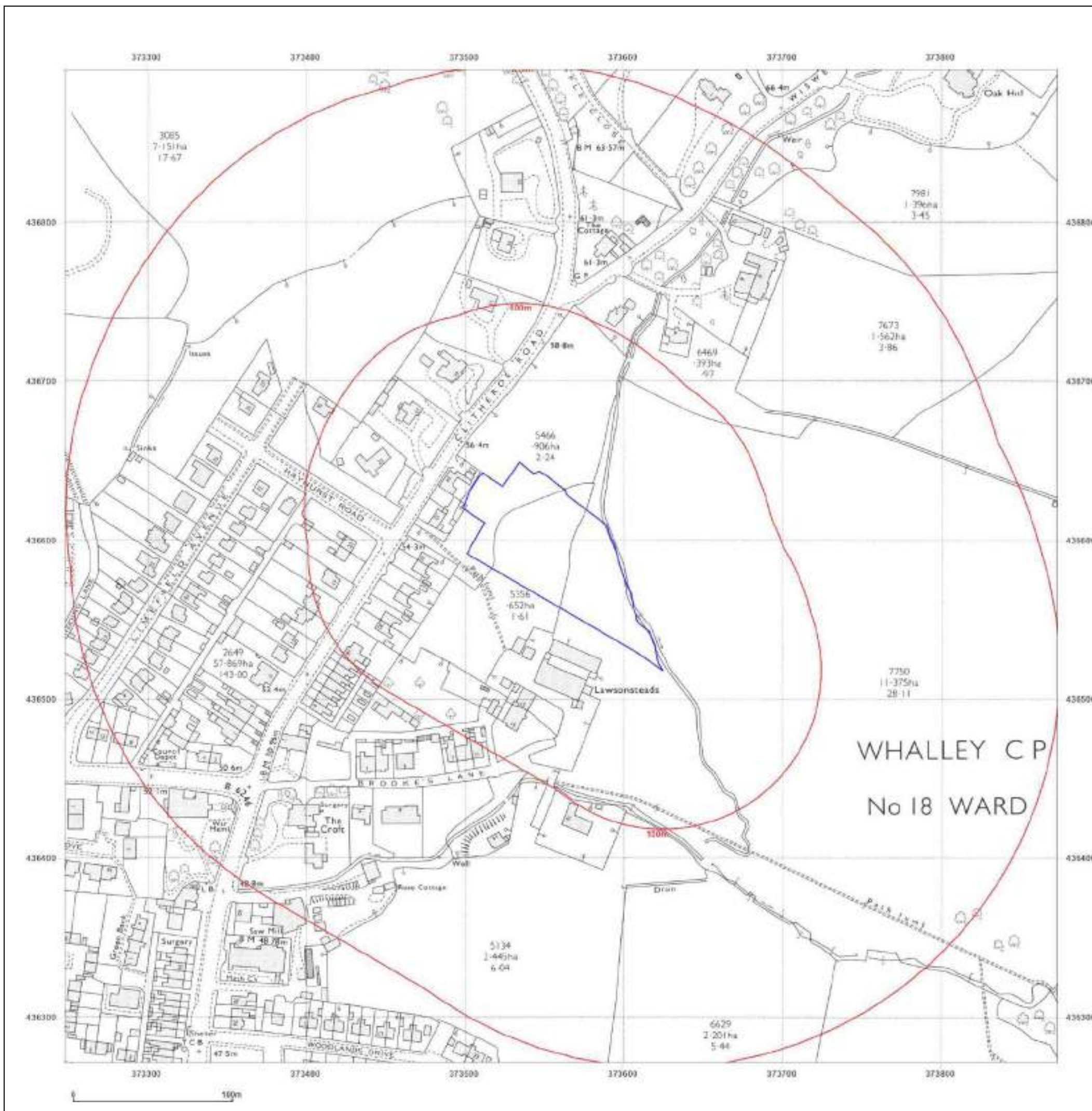


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: National Grid

Map date: 1975

Scale: 1:2,500

Printed at: 1:2,500



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

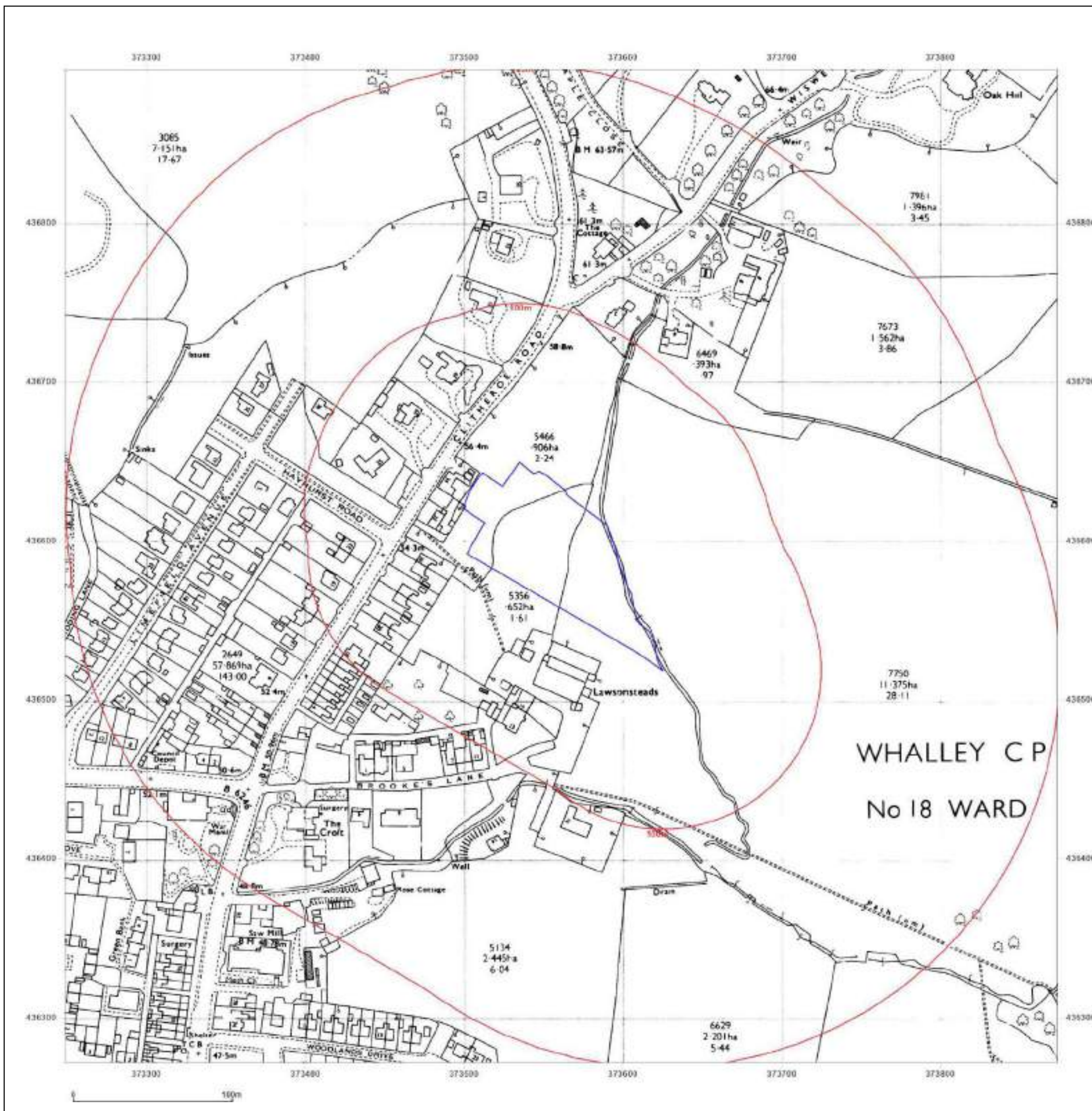


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: National Grid

Map date: 1989

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1962
Revised 1989
Edition N/A
Copyright 1989
Levelled 1962

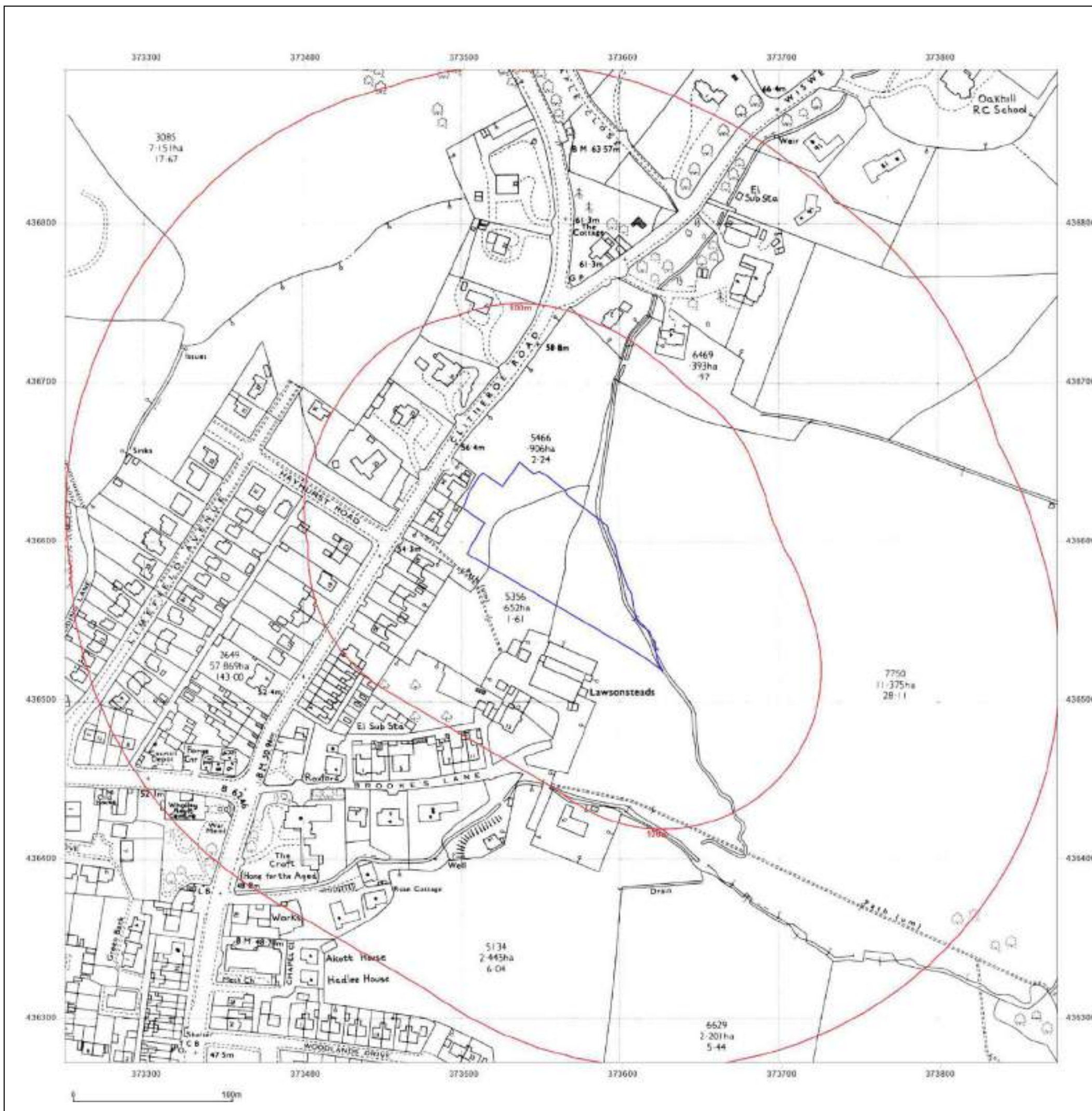


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: National Grid

Map date: 1992

Scale: 1:2,500

Printed at: 1:2,500



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

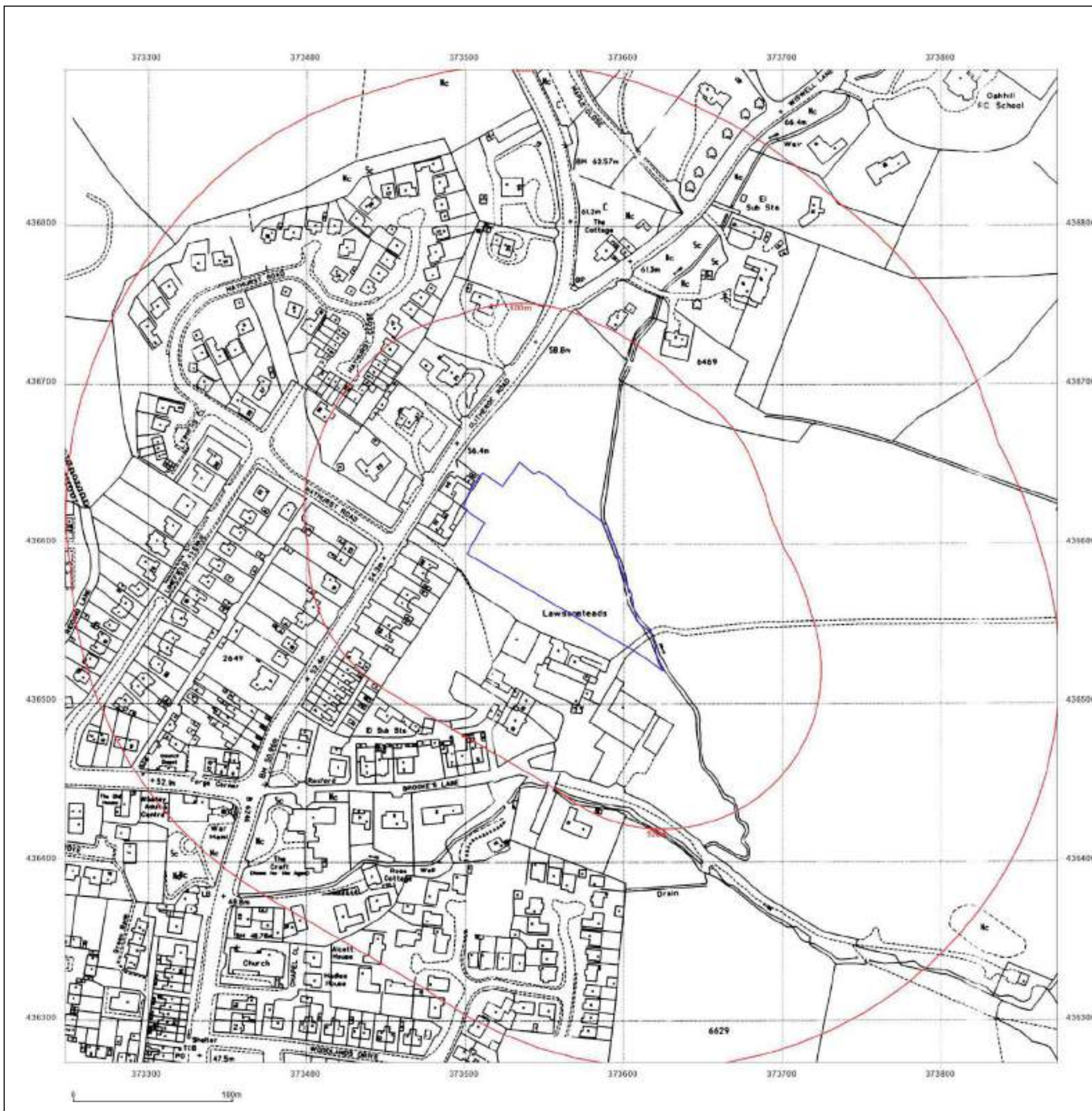


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: County Series

Map date: 1848

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised N/A
Edition 1848
Copyright N/A
Levelled N/A

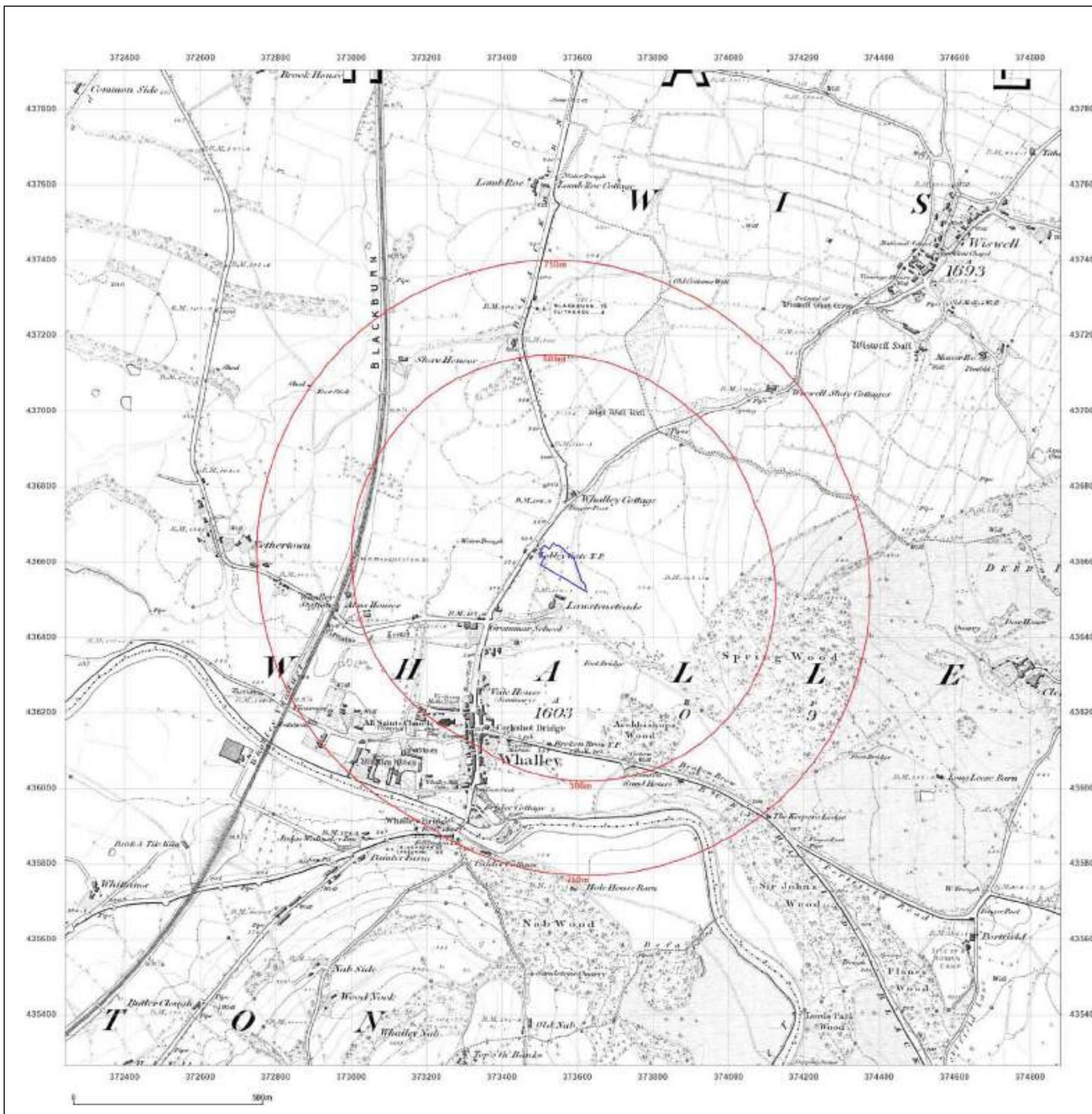


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: County Series

Map date: 1892

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1892
Revised 1892
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1892
Revised 1892
Edition N/A
Copyright N/A
Levelled N/A

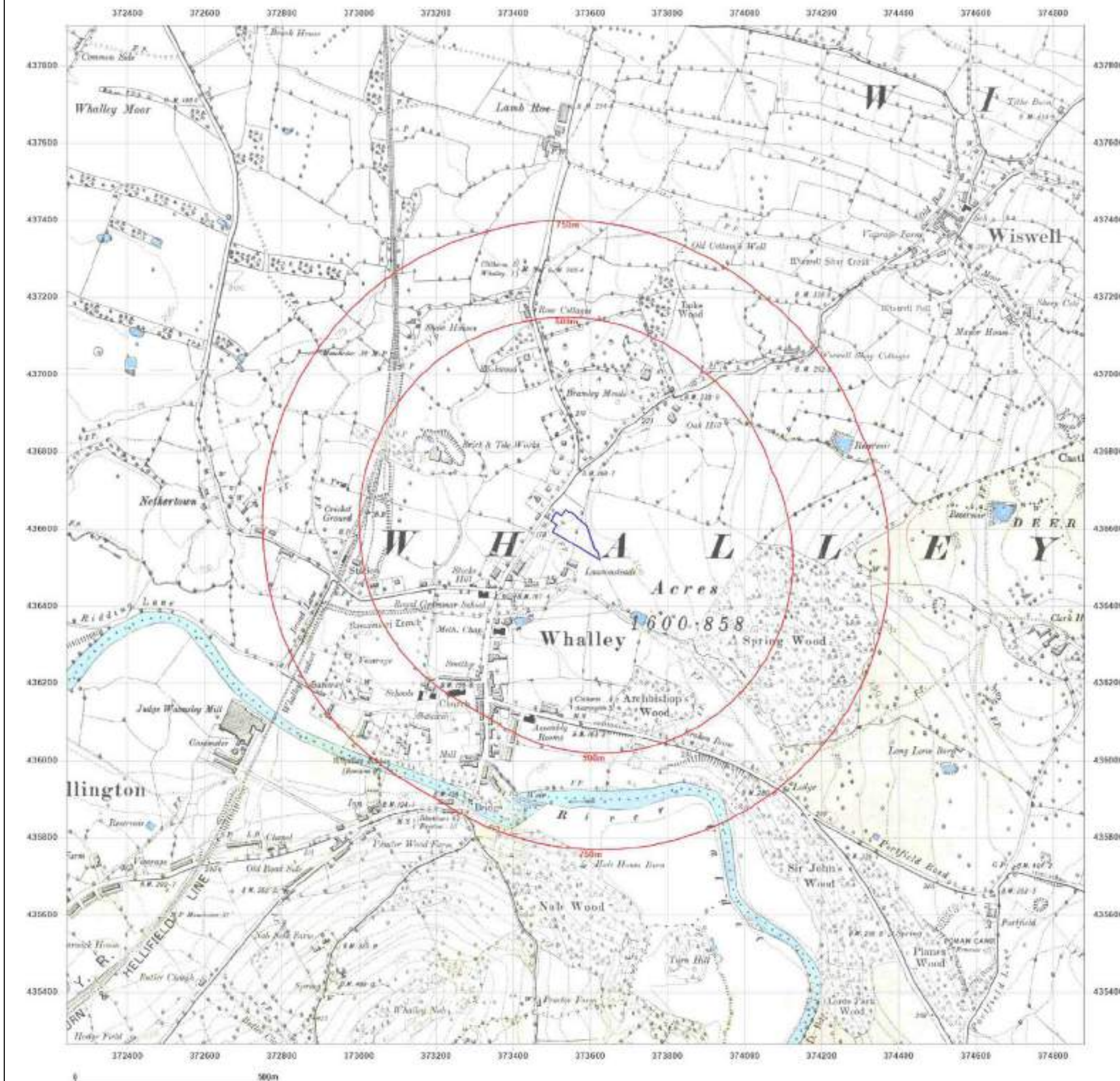


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: County Series

Map date: 1896

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised 1892
Edition 1896
Copyright N/A
Levelled N/A

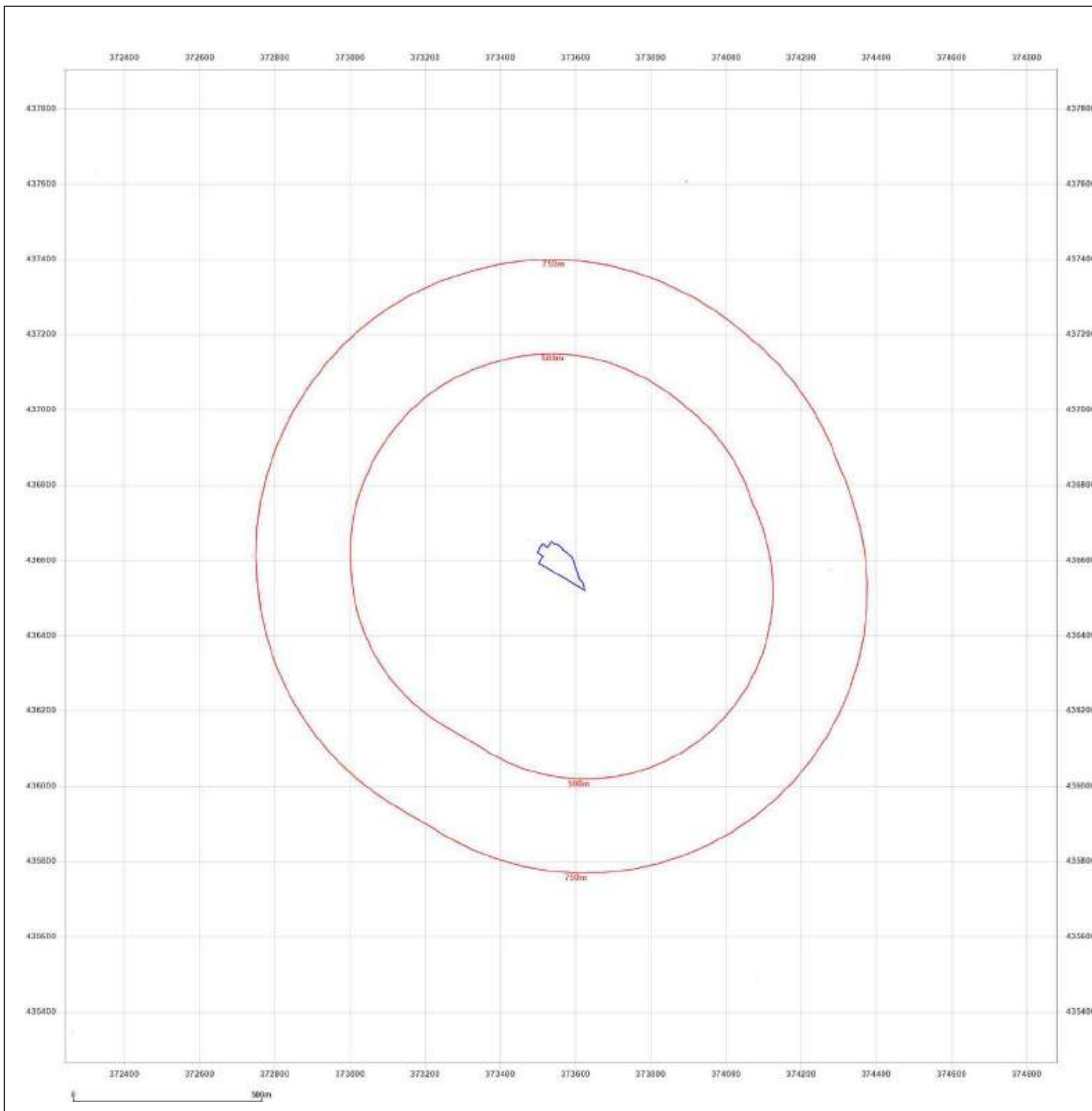


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: County Series

Map date: 1910

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1844
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

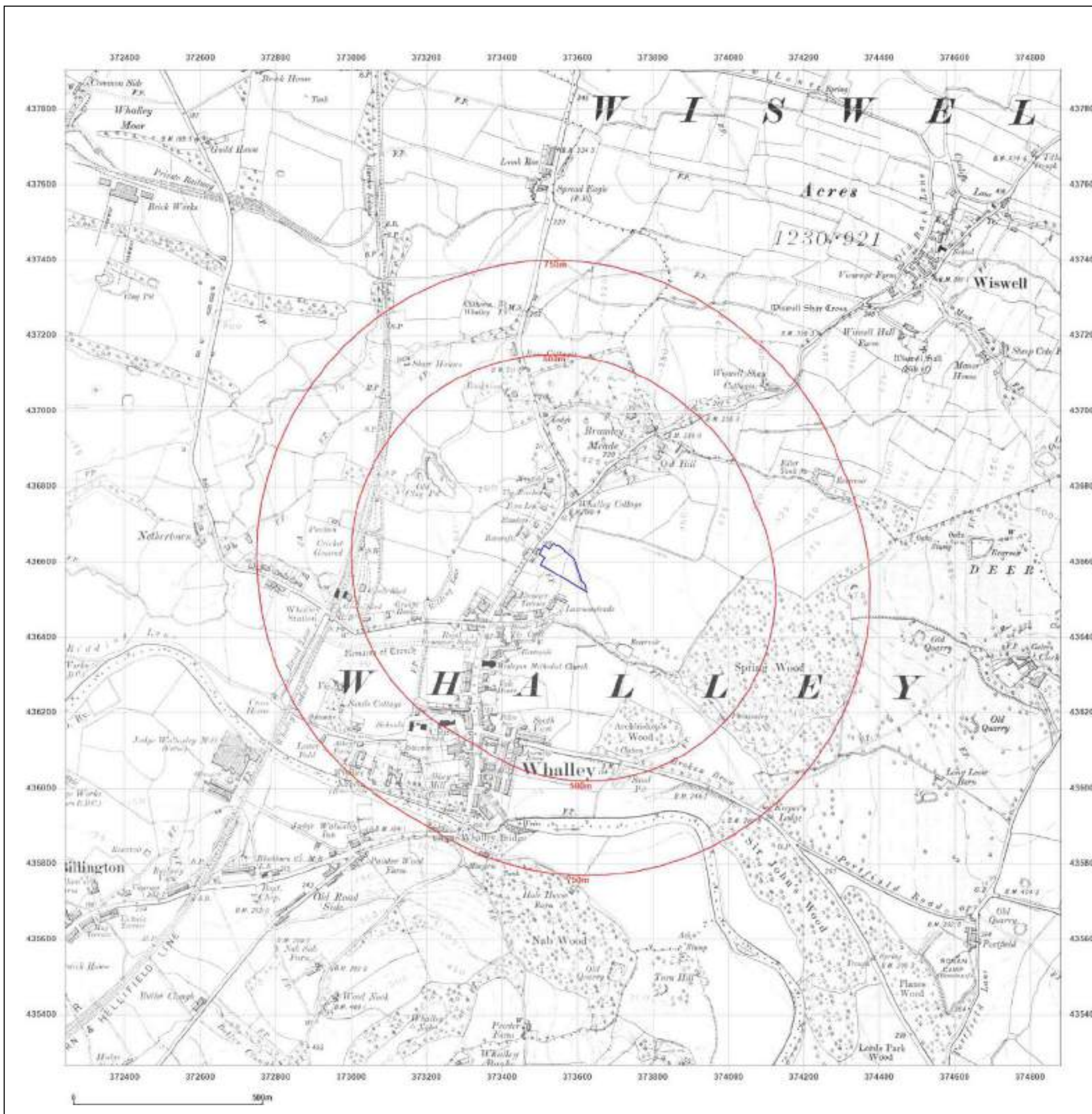


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: County Series

Map date: 1932-1933

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1944
Revised 1932
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1944
Revised 1933
Edition N/A
Copyright N/A
Levelled N/A

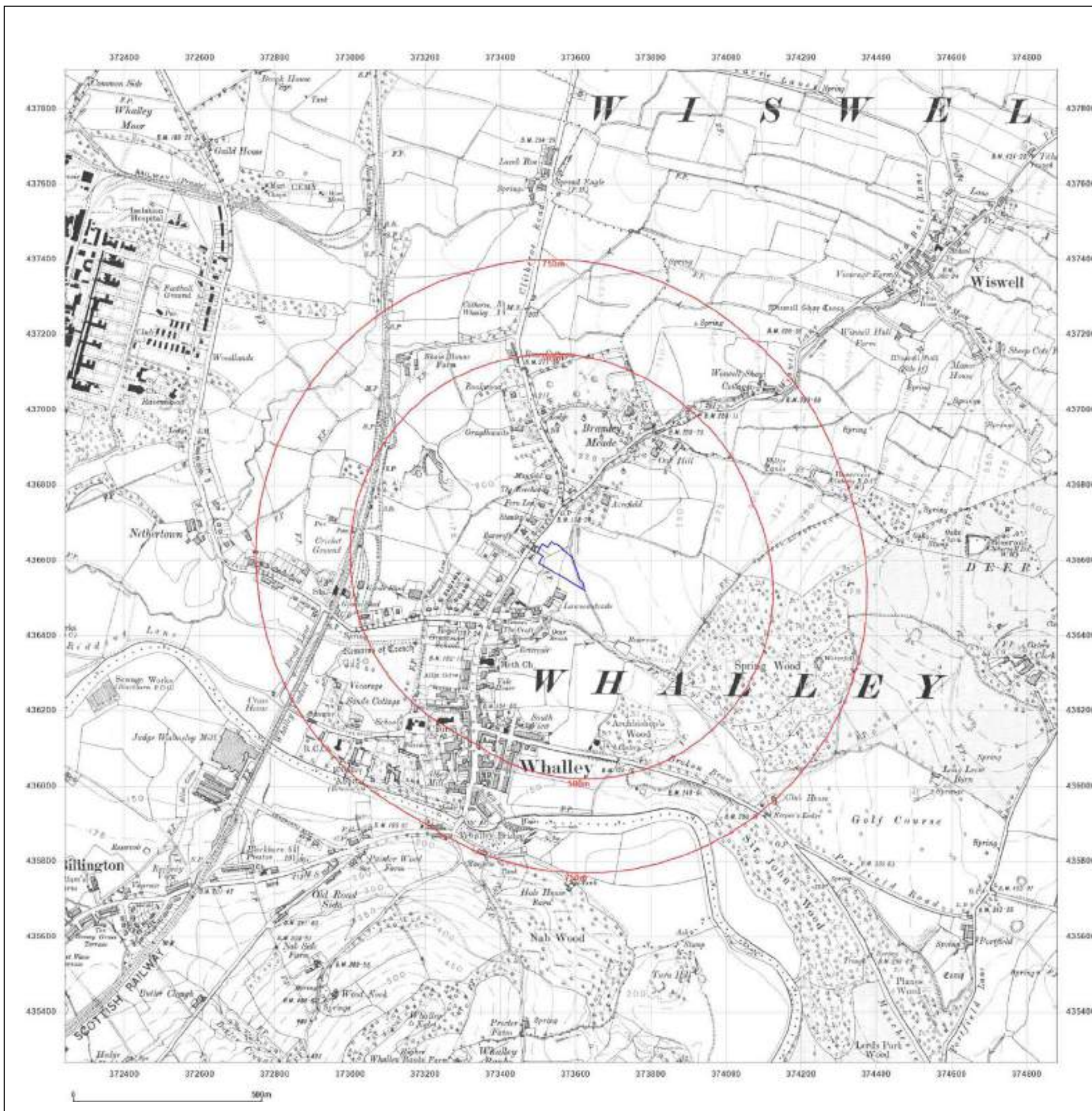


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: Provisional

Map date: 1950

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1950
Revised 1950
Edition N/A
Copyright N/A
Levelled N/A



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

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: Provisional

Map date: 1969

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1968
Revised 1969
Edition N/A
Copyright N/A
Levelled N/A

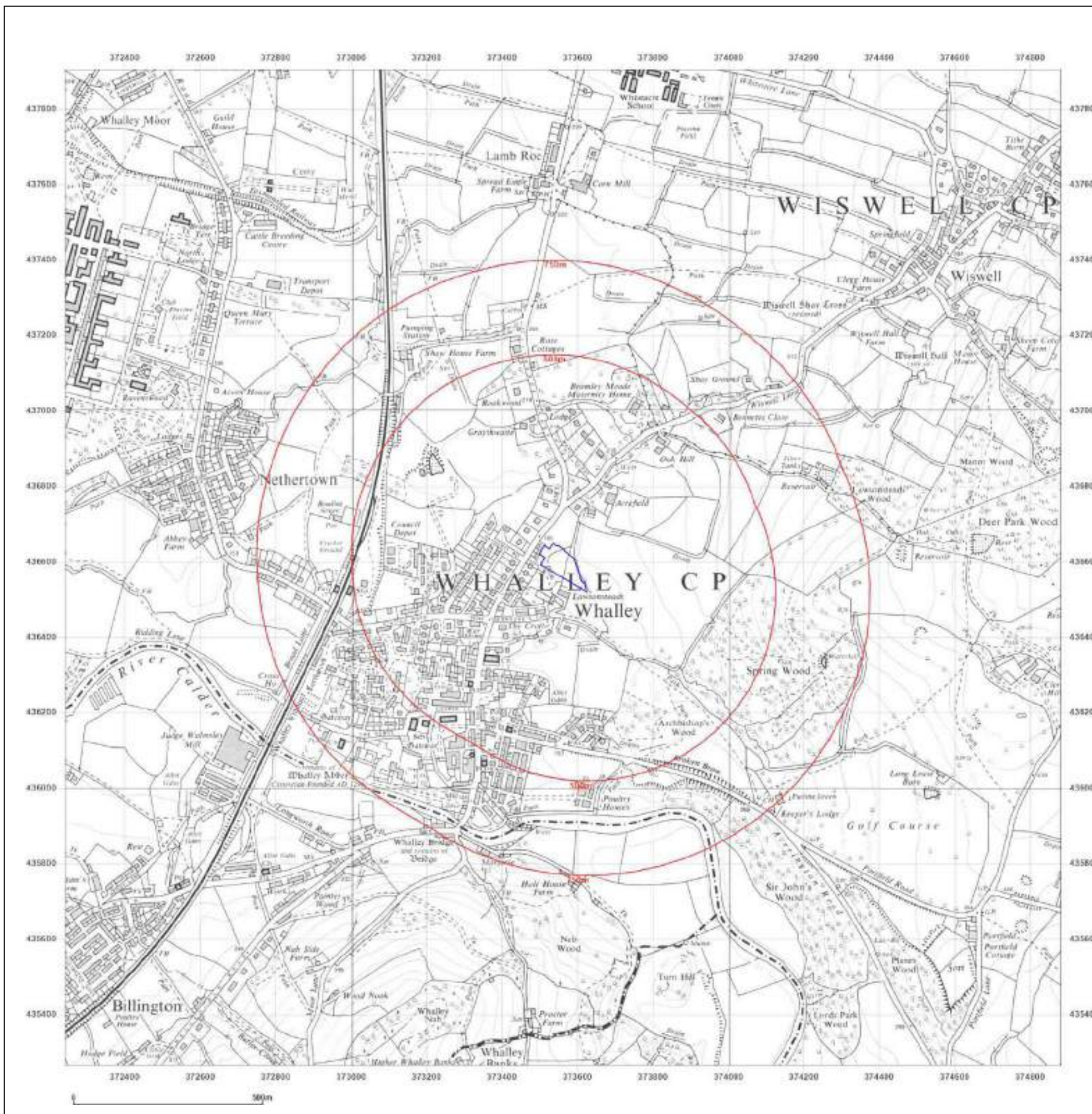


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: National Grid

Map date: 1973

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1972
Revised 1973
Edition N/A
Copyright N/A
Landed N/A

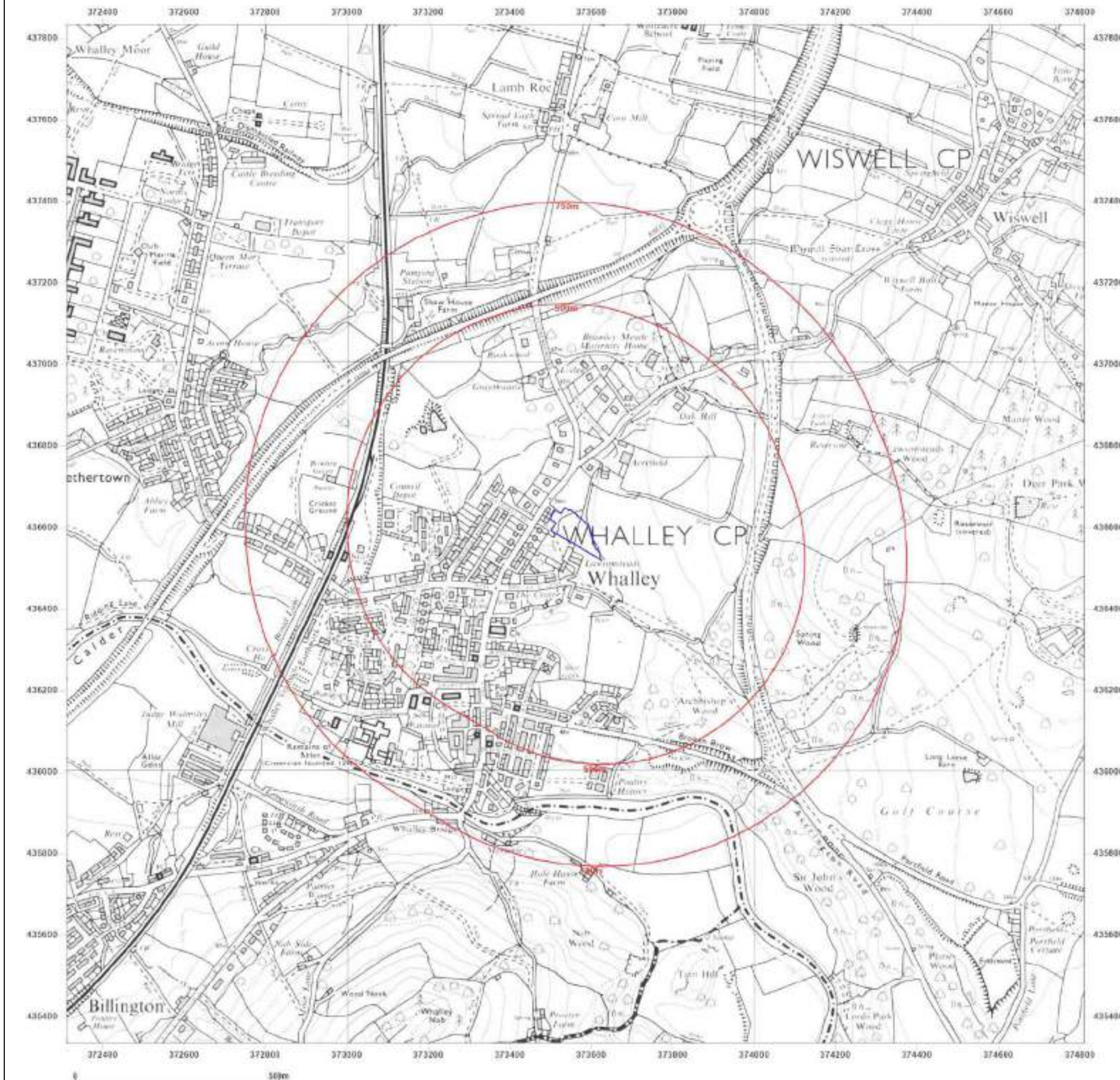


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

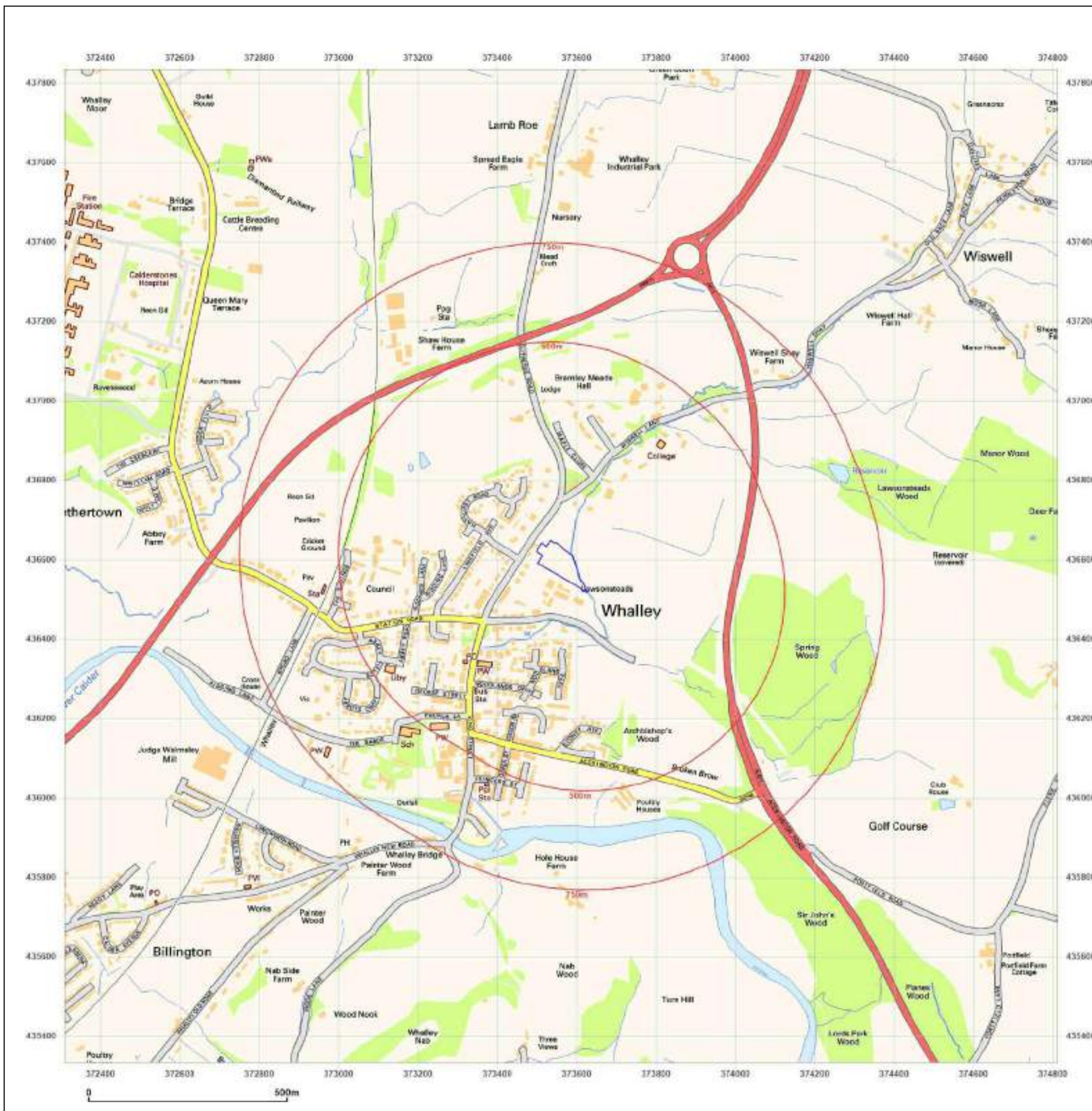


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

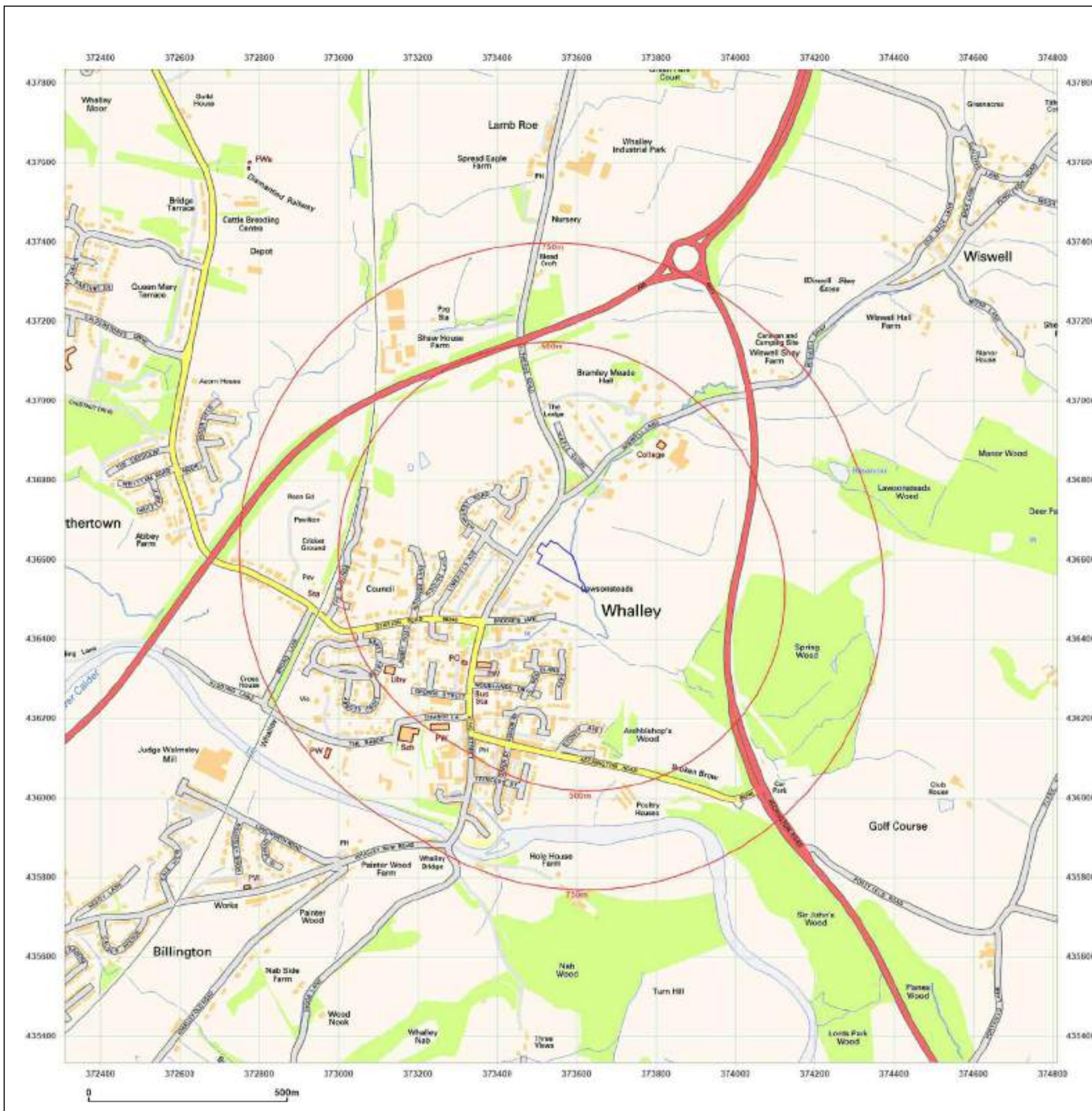


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



Site Details:

SPRINGWOOD DRIVE,
WHALLEY, LANCASHIRE, BB7
9XL

Client Ref: 8421-24124-PC
Report Ref: GS-JWY-UZ6-GE4-RSJ
Grid Ref: 373561, 436584

Map Name: National Grid

Map date: 2024

Scale: 1:10,000

Printed at: 1:10,000

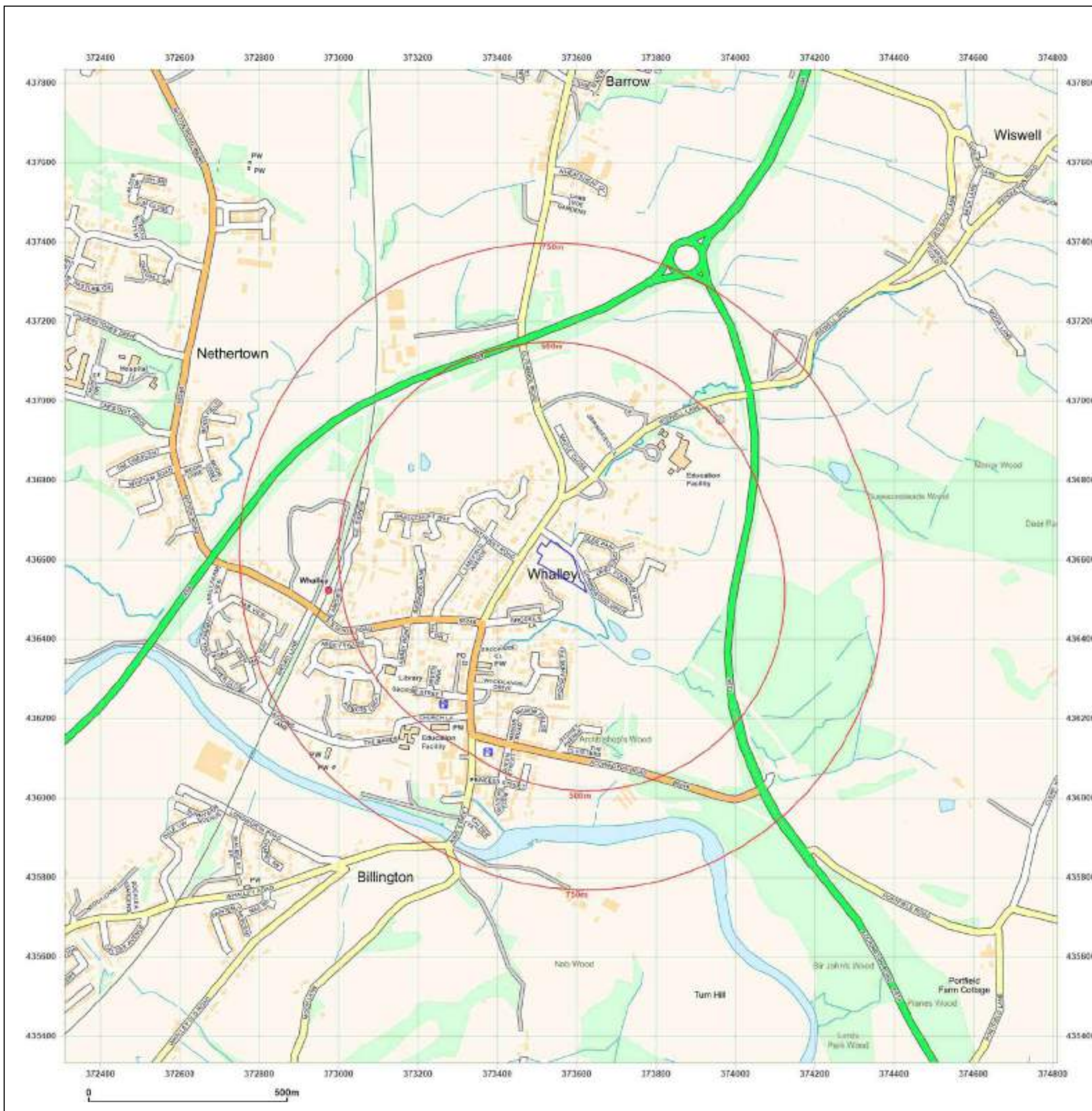


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 September 2024

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



APPENDIX B

Enviro+GeoInsight Report



SPRINGWOOD DRIVE, WHALLEY, LANCASHIRE, BB7 9XL

Order Details

Date: 04/09/2024
Your ref: 8421-24124-PC
Our Ref: GS-DIL-FNV-MCI-7DM

Site Details

Location: 373557 436592
Area: 0.69 ha
Authority: [Ribble Valley Borough Council](#) ↗



© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

Summary of findings

[p. 2 >](#)

Aerial image

[p. 9 >](#)

OS MasterMap site plan

[p.13 >](#)

[Insight User Guide](#) ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

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	0	1	41	-
16 >	1.2 >	Historical tanks >	0	0	0	4	-
17 >	1.3 >	Historical energy features >	0	0	3	5	-
17	1.4	Historical petrol stations	0	0	0	0	-
18 >	1.5 >	Historical garages >	0	0	0	7	-
18	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
19 >	2.1 >	Historical industrial land uses >	0	0	1	51	-
21 >	2.2 >	Historical tanks >	0	0	0	6	-
22 >	2.3 >	Historical energy features >	0	0	4	6	-
23	2.4	Historical petrol stations	0	0	0	0	-
23 >	2.5 >	Historical garages >	0	0	0	9	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
24	3.1	Active or recent landfill	0	0	0	0	-
24	3.2	Historical landfill (BGS records)	0	0	0	0	-
25	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
25	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
25	3.5	Historical waste sites	0	0	0	0	-
25	3.6	Licensed waste sites	0	0	0	0	-
25 >	3.7 >	Waste exemptions >	0	0	6	7	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
27 >	4.1 >	Recent industrial land uses >	0	0	3	-	-
28 >	4.2 >	Current or recent petrol stations >	0	0	0	1	-
28	4.3	Electricity cables	0	0	0	0	-
28	4.4	Gas pipelines	0	0	0	0	-
28	4.5	Sites determined as Contaminated Land	0	0	0	0	-



29	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
29	4.7	Regulated explosive sites	0	0	0	0	-
29	4.8	Hazardous substance storage/usage	0	0	0	0	-
29	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
29	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
30 >	4.11 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	0	0	2	-
30	4.12	Radioactive Substance Authorisations	0	0	0	0	-
30	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
30	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
31	4.15	Pollutant release to public sewer	0	0	0	0	-
31	4.16	List 1 Dangerous Substances	0	0	0	0	-
31	4.17	List 2 Dangerous Substances	0	0	0	0	-
31	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-
31	4.19	Pollution inventory substances	0	0	0	0	-
32	4.20	Pollution inventory waste transfers	0	0	0	0	-
32	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
33 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
35 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
37 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
38 >	5.4 >	<u>Groundwater vulnerability- soluble rock risk ></u>	Identified (within 0m)				
38	5.5	Groundwater vulnerability- local information	None (within 0m)				
39 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	10
42 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	12
45 >	5.8 >	<u>Potable abstractions ></u>	0	0	0	0	7
47	5.9	Source Protection Zones	0	0	0	0	-
48	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
49 >	6.1 >	<u>Water Network (OS MasterMap) ></u>	3	3	14	-	-



51 >	6.2 >	Surface water features >	1	1	9	-	-
51 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
52 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
52 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
53 >	7.1 >	Risk of flooding from rivers and the sea >	Medium (within 50m)				
54 >	7.2 >	Historical Flood Events >	0	1	2	-	-
54	7.3	Flood Defences	0	0	0	-	-
55	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
55	7.5	Flood Storage Areas	0	0	0	-	-
56 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
57 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
58 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
60 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
61 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	1
62	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
62	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
62	10.4	Special Protection Areas (SPA)	0	0	0	0	0
62	10.5	National Nature Reserves (NNR)	0	0	0	0	0
63	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
63 >	10.7 >	Designated Ancient Woodland >	0	0	0	2	6
63	10.8	Biosphere Reserves	0	0	0	0	0
64	10.9	Forest Parks	0	0	0	0	0
64	10.10	Marine Conservation Zones	0	0	0	0	0
64 >	10.11 >	Green Belt >	0	0	0	0	2
64	10.12	Proposed Ramsar sites	0	0	0	0	0



65	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
65	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
65	10.15	Nitrate Sensitive Areas	0	0	0	0	0
65	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
66 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
67 >	10.18 >	SSSI Units >	0	0	0	0	1
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
68	11.1	World Heritage Sites	0	0	0	-	-
69	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
69	11.3	National Parks	0	0	0	-	-
69 >	11.4 >	Listed Buildings >	0	0	2	-	-
70 >	11.5 >	Conservation Areas >	0	1	0	-	-
70	11.6	Scheduled Ancient Monuments	0	0	0	-	-
70	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
71 >	12.1 >	Agricultural Land Classification >	Grade 4 (within 250m)				
72	12.2	Open Access Land	0	0	0	-	-
72	12.3	Tree Felling Licences	0	0	0	-	-
72	12.4	Environmental Stewardship Schemes	0	0	0	-	-
73	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
74	13.1	Priority Habitat Inventory	0	0	0	-	-
74	13.2	Habitat Networks	0	0	0	-	-
74	13.3	Open Mosaic Habitat	0	0	0	-	-
74	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
75 >	14.1 >	10k Availability >	Identified (within 500m)				
76	14.2	Artificial and made ground (10k)	0	0	0	0	-
77	14.3	Superficial geology (10k)	0	0	0	0	-



77	14.4	Landslip (10k)	0	0	0	0	-
78	14.5	Bedrock geology (10k)	0	0	0	0	-
78	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
79 >	15.1 >	50k Availability >	Identified (within 500m)				
80	15.2	Artificial and made ground (50k)	0	0	0	0	-
80	15.3	Artificial ground permeability (50k)	0	0	-	-	-
81 >	15.4 >	Superficial geology (50k) >	1	0	0	2	-
82 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
82	15.6	Landslip (50k)	0	0	0	0	-
82	15.7	Landslip permeability (50k)	None (within 50m)				
83 >	15.8 >	Bedrock geology (50k) >	1	0	1	1	-
84 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
84	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
85	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence >					
86 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
87 >	17.2 >	Running sands >	Very low (within 50m)				
88 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
89 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
90 >	17.5 >	Landslides >	Very low (within 50m)				
91 >	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
93 >	18.1 >	BritPits >	0	0	0	2	-
94 >	18.2 >	Surface ground workings >	0	0	10	-	-
95	18.3	Underground workings	0	0	0	0	0
95	18.4	Underground mining extents	0	0	0	0	-
95	18.5	Historical Mineral Planning Areas	0	0	0	0	-



95 >	18.6 >	Non-coal mining >	1	0	0	1	0
96	18.7	JPB mining areas	None (within 0m)				
96	18.8	The Coal Authority non-coal mining	0	0	0	0	-
96	18.9	Researched mining	0	0	0	0	-
97	18.10	Mining record office plans	0	0	0	0	-
97	18.11	BGS mine plans	0	0	0	0	-
97	18.12	Coal mining	None (within 0m)				
97	18.13	Brine areas	None (within 0m)				
97	18.14	Gypsum areas	None (within 0m)				
98	18.15	Tin mining	None (within 0m)				
98	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
99	19.1	Natural cavities	0	0	0	0	-
99	19.2	Mining cavities	0	0	0	0	0
99	19.3	Reported recent incidents	0	0	0	0	-
99	19.4	Historical incidents	0	0	0	0	-
100	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
101 >	20.1 >	Radon >	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
103 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	1	-	-	-
103	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
103	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
104	22.1	Underground railways (London)	0	0	0	-	-
104	22.2	Underground railways (Non-London)	0	0	0	-	-
104	22.3	Railway tunnels	0	0	0	-	-
104	22.4	Historical railway and tunnel features	0	0	0	-	-
104	22.5	Royal Mail tunnels	0	0	0	-	-



105	22.6	Historical railways	0	0	0	-	-
105	22.7	Railways	0	0	0	-	-
105	22.8	Crossrail 1	0	0	0	0	-
105	22.9	Crossrail 2	0	0	0	0	-
105	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved.

Capture Date: 03/04/2023

Site Area: 0.69ha



Recent site history - 2020 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved.

Capture Date: 16/04/2020

Site Area: 0.69ha



Recent site history - 2017 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved.

Capture Date: 03/04/2017

Site Area: 0.69ha



Recent site history - 1999 aerial photograph



Capture Date: 10/09/1999

Site Area: 0.69ha



OS MasterMap site plan

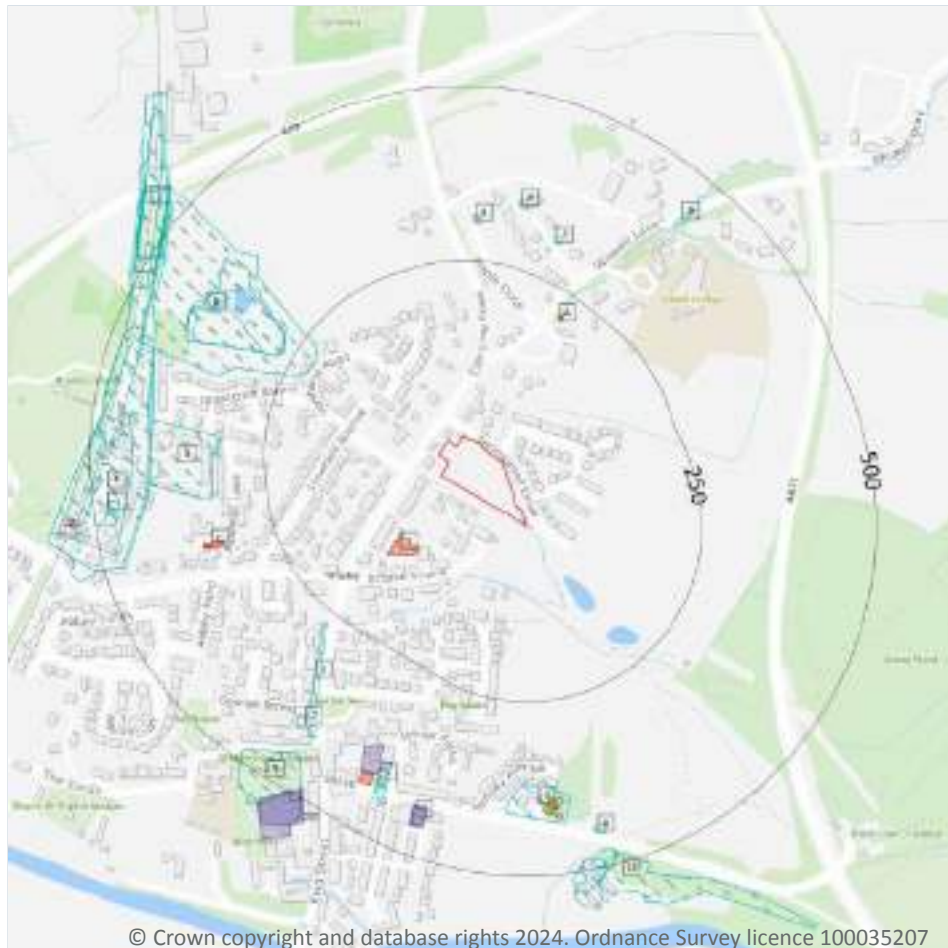


© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

Site Area: 0.69ha



1 Past land use



© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

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

1.1 Historical industrial land uses

Records within 500m

42

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
B	219m NW	Brick and Tile Works	1892	657484



ID	Location	Land use	Dates present	Group ID
B	266m NW	Old Clay Pit	1910	654281
B	266m NW	Unspecified Pit	1933	759524
2	267m SW	Rope Walk	1848	691281
B	268m NW	Unspecified Pit	1892	777016
3	305m N	Unspecified Tank	1892	698560
4	305m N	Unspecified Tank	1892	698562
5	316m W	Council Depot	1969 - 1973	728417
6	336m N	Unspecified Tank	1892	698561
D	364m S	Unspecified Works	1969 - 1973	725706
D	388m S	Unspecified Tank	1969 - 1973	724064
7	389m SW	Smithy	1892	680380
D	396m S	Unspecified Tank	1950	773211
D	397m S	Unspecified Tank	1933	785466
E	401m S	Police Station	1969 - 1973	742134
E	410m S	Police Station	1910 - 1933	717095
F	412m W	Railway Sidings	1933 - 1950	727356
E	416m S	Police Station	1950	757399
F	418m W	Railway Sidings	1910	771281
F	418m W	Railway Sidings	1892	713066
8	419m NE	Pipes	1848	665878
E	439m S	Weighing Machine	1848	680088
H	439m S	Unspecified Heap	1910 - 1933	791097
9	444m SW	Grave Yard	1848	663456
F	450m W	Railway Building	1950	703305
F	451m W	Railway Building	1910 - 1933	763989
F	453m W	Railway Sidings	1973	764723
I	462m W	Railway Building	1973	703303
I	465m W	Goods Shed	1910 - 1950	753086



ID	Location	Land use	Dates present	Group ID
F	465m W	Railway Building	1950	703304
H	475m S	Sand Pit	1848	777919
I	476m W	Railway Sidings	1848	739612
J	480m NW	Cuttings	1892	784861
J	480m NW	Cuttings	1848	792075
H	481m S	Unspecified Pit	1892	677768
J	482m NW	Cuttings	1969	801957
J	483m NW	Cuttings	1910	726404
J	483m NW	Cuttings	1933	738038
H	484m S	Sand Pit	1910	735510
10	484m S	Unspecified Ground Workings	1910 - 1933	708237
J	485m NW	Cuttings	1973	764573
J	490m NW	Cuttings	1950	747735

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

4

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

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

ID	Location	Land use	Dates present	Group ID
D	392m S	Gasholder	1968	82974
D	392m S	Unspecified Tank	1975	105328
D	399m S	Unspecified Tank	1932 - 1938	104619
D	413m S	Unspecified Tank	1968 - 1975	108267

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

8

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

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

ID	Location	Land use	Dates present	Group ID
1	104m SW	Electricity Substation	1989 - 1994	58646
A	211m NE	Electricity Substation	1989	61806
A	215m NE	Electricity Substation	1994	57341
C	323m W	Electricity Substation	1989 - 1994	50242
C	324m W	Electricity Substation	1975	62012
D	392m S	Gasholder	1968	49432
E	416m S	Electricity Substation	1994	59553
E	417m S	Electricity Substation	1989	59922

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

7

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
E	374m S	Garage	1994	16208
G	426m S	Garage	1989	17849
G	428m S	Garage	1994	20313
G	430m S	Garage	1968 - 1975	19850
K	487m SW	Garage	1989	21432
K	489m SW	Garage	1912	21993
K	499m SW	Garage	1968 - 1975	20234

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

0

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

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



2 Past land use - un-grouped



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

© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

2.1 Historical industrial land uses

Records within 500m

52

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

Features are displayed on the Past land use - un-grouped map on [page 19](#) >

ID	Location	Land Use	Date	Group ID
C	219m NW	Brick and Tile Works	1892	657484
C	266m NW	Unspecified Pit	1933	759524
C	266m NW	Old Clay Pit	1910	654281



ID	Location	Land Use	Date	Group ID
1	267m SW	Rope Walk	1848	691281
C	268m NW	Unspecified Pit	1892	777016
2	305m N	Unspecified Tank	1892	698560
3	305m N	Unspecified Tank	1892	698562
D	316m W	Council Depot	1973	728417
D	316m W	Council Depot	1969	728417
4	336m N	Unspecified Tank	1892	698561
F	364m S	Unspecified Works	1973	725706
F	364m S	Unspecified Works	1969	725706
F	388m S	Unspecified Tank	1973	724064
F	388m S	Unspecified Tank	1969	724064
5	389m SW	Smithy	1892	680380
F	396m S	Unspecified Tank	1950	773211
F	397m S	Unspecified Tank	1933	785466
G	401m S	Police Station	1973	742134
G	401m S	Police Station	1969	742134
G	410m S	Police Station	1933	717095
G	410m S	Police Station	1910	717095
H	412m W	Railway Sidings	1950	727356
G	416m S	Police Station	1950	757399
H	418m W	Railway Sidings	1933	727356
H	418m W	Railway Sidings	1910	771281
H	418m W	Railway Sidings	1892	713066
6	419m NE	Pipes	1848	665878
G	439m S	Weighing Machine	1848	680088
J	439m S	Unspecified Heap	1933	791097
J	439m S	Unspecified Heap	1910	791097
7	444m SW	Grave Yard	1848	663456



ID	Location	Land Use	Date	Group ID
H	450m W	Railway Building	1950	703305
H	451m W	Railway Building	1933	763989
H	451m W	Railway Building	1910	763989
H	453m W	Railway Sidings	1973	764723
K	462m W	Railway Building	1973	703303
K	465m W	Goods Shed	1950	753086
H	465m W	Railway Building	1950	703304
K	467m W	Goods Shed	1933	753086
K	467m W	Goods Shed	1910	753086
J	475m S	Sand Pit	1848	777919
K	476m W	Railway Sidings	1848	739612
L	480m NW	Cuttings	1892	784861
L	480m NW	Cuttings	1848	792075
J	481m S	Unspecified Pit	1892	677768
L	482m NW	Cuttings	1969	801957
L	483m NW	Cuttings	1933	738038
L	483m NW	Cuttings	1910	726404
J	484m S	Sand Pit	1910	735510
8	484m S	Unspecified Ground Workings	1933	708237
L	485m NW	Cuttings	1973	764573
L	490m NW	Cuttings	1950	747735

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

6

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

Features are displayed on the Past land use - un-grouped map on [page 19 >](#)



ID	Location	Land Use	Date	Group ID
F	392m S	Unspecified Tank	1975	105328
F	392m S	Gasholder	1968	82974
F	399m S	Unspecified Tank	1932	104619
F	399m S	Unspecified Tank	1938	104619
F	413m S	Unspecified Tank	1975	108267
F	413m S	Unspecified Tank	1968	108267

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

10

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

Features are displayed on the Past land use - un-grouped map on [page 19 >](#)

ID	Location	Land Use	Date	Group ID
A	104m SW	Electricity Substation	1994	58646
A	107m SW	Electricity Substation	1989	58646
B	211m NE	Electricity Substation	1989	61806
B	215m NE	Electricity Substation	1994	57341
E	323m W	Electricity Substation	1994	50242
E	324m W	Electricity Substation	1975	62012
E	325m W	Electricity Substation	1989	50242
F	392m S	Gasholder	1968	49432
G	416m S	Electricity Substation	1994	59553
G	417m S	Electricity Substation	1989	59922

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**9**

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

Features are displayed on the Past land use - un-grouped map on [page 19 >](#)

ID	Location	Land Use	Date	Group ID
G	374m S	Garage	1994	16208
I	426m S	Garage	1989	17849
I	428m S	Garage	1994	20313
I	430m S	Garage	1975	19850
I	430m S	Garage	1968	19850
M	487m SW	Garage	1989	21432
M	489m SW	Garage	1912	21993
M	499m SW	Garage	1975	20234
M	499m SW	Garage	1968	20234

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m**0**

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m**0**

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

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

3.5 Historical waste sites

Records within 500m**0**

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

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

3.6 Licensed waste sites

Records within 500m**0**

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

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

3.7 Waste exemptions

Records within 500m**13**

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

Features are displayed on the Waste and landfill map on [page 24](#) >

ID	Location	Site	Reference	Category	Sub-Category	Description
1	109m SE	-	WEX135578	Using waste exemption	Not on a farm	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
2	138m W	29 Clitheroe Road Lancashire Bb7 9aa	EPR/RF0635DL /A001	Using waste exemption	Non- agricultural waste only	Use of waste in construction
A	217m NE	-	WEX388536	Using waste exemption	Not on a farm	Use of waste in construction
A	217m NE	-	WEX388536	Treating waste exemption	Not on a farm	Screening and blending of waste
A	217m NE	-	WEX258364	Using waste exemption	Not on a farm	Use of waste in construction
A	217m NE	-	WEX258364	Treating waste exemption	Not on a farm	Screening and blending of waste
B	339m SW	89, King Street, Whalley, Clitheroe, Bb7 9sw	WEX323083	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	339m SW	89, King Street, Whalley, Clitheroe, Bb7 9sw	WEX375218	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	339m SW	89, King Street, Whalley, Clitheroe, Bb7 9sw	WEX374236	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	339m SW	89, King Street, Whalley, Clitheroe, Bb7 9sw	WEX247377	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	339m SW	89, King Street, Whalley, Clitheroe, Bb7 9sw	WEX104130	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
3	448m W	Bowland House, The Sidings, Whalley, Clitheroe, Bb7 9se	WEX247277	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
4	462m SW	42 King Street Clitheroe Lancashire Bb7 9sl	EPR/FF0307TS /A001	Treating waste exemption	Non- agricultural waste only	Sorting and de-naturing of controlled drugs for disposal

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- △ Current or recent petrol stations
- ◆ Licensed pollutant release (Part A(2)/B)

4.1 Recent industrial land uses

Records within 250m

3

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 27](#) >

ID	Location	Company	Address	Activity	Category
1	115m SW	Electricity Sub Station	Lancashire, BB7	Electrical Features	Infrastructure and Facilities
2	146m S	Steven Hargreaves Textile Group Ltd	14, Brookes Lane, Whalley, Lancashire, BB7 9RG	Textiles, Fabrics, Silk and Machinery	Industrial Products



ID	Location	Company	Address	Activity	Category
3	215m NE	Electricity Sub Station	Lancashire, BB7	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	1
----------------------------	----------

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 27 >](#)

ID	Location	Company	Address	LPG	Status
4	400m S	OBSOLETE	Accrington Road, Whalley, Clitheroe, Lancashire, BB7 9TD	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

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

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

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

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

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

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

This data is sourced from Local Authority records.



4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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



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

Records within 500m

2

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 27 >](#)

ID	Location	Address	Details	
A	459m W	Press to Impress, Unit 8, The Sidings, Whalley, BB7 9SE	Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
A	468m W	Whalley Dry Cleaners, Unit 8, The Sidings Bus Park, Station Road, Whalley, BB7 9SE	Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

0

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

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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



4.15 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m**0**

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

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

4.17 List 2 Dangerous Substances

Records within 500m**0**

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m**0**

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

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

4.19 Pollution inventory substances

Records within 500m**0**

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

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



4.20 Pollution inventory waste transfers

Records within 500m**0**

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

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

4.21 Pollution inventory radioactive waste

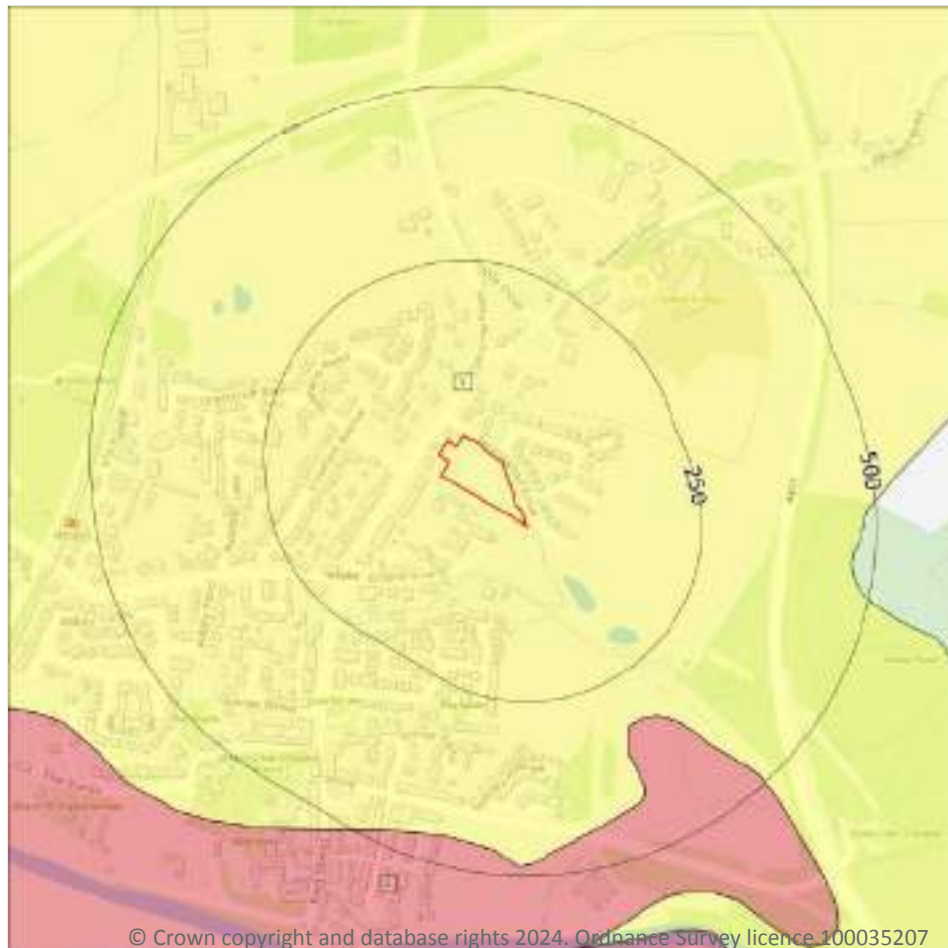
Records within 500m**0**

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

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



5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 33](#) >

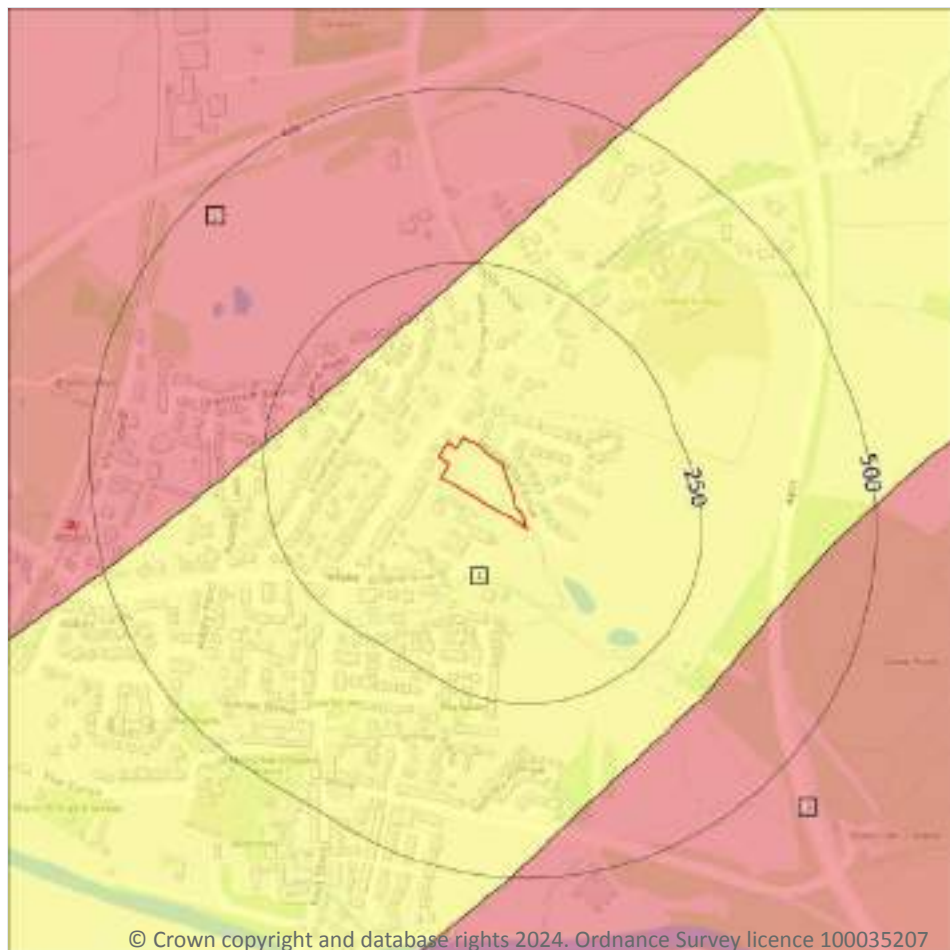
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	320m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



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



Bedrock aquifer



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

© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

5.2 Bedrock aquifer

Records within 500m

3

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 35](#) >

ID	Location	Designation	Description
1	On site	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	167m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

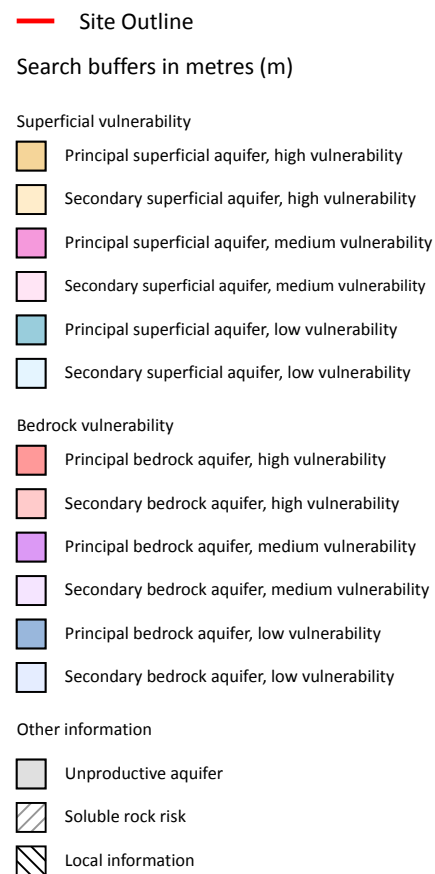


ID	Location	Designation	Description
3	348m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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 37](#) >

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

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	1
------------------------	----------

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
2	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	0.0%

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

5.5 Groundwater vulnerability- local information

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

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

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



Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

10

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 39](#) >

ID	Location	Details	
-	1436m S	Status: Historical Licence No: 2671336007 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household" Direct Source: Ground Water - North West Region Point: "BOREHOLE AT DEAN NAB, WHALLEY" Data Type: Point Name: ANDREW Easting: 373400 Northing: 435100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 19/07/1993 Expiry Date: - Issue No: 101 Version Start Date: 29/06/1998 Version End Date: -
-	1436m S	Status: Historical Licence No: 2671336007 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water - North West Region Point: BOREHOLE AT DEAN NAB, WHALLEY Data Type: Point Name: CLARKE Easting: 373400 Northing: 435100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 19/07/1993 Expiry Date: - Issue No: 102 Version Start Date: 01/07/2003 Version End Date: -
-	1436m S	Status: Historical Licence No: 2671336007 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water - North West Region Point: BOREHOLE AT DEAN NAB, WHALLEY Data Type: Point Name: CLARKE Easting: 373400 Northing: 435100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 19/07/1993 Expiry Date: - Issue No: 102 Version Start Date: 01/07/2003 Version End Date: -
-	1784m E	Status: Historical Licence No: 2671335020 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT WISWELL MOOR FARM,SABDEN" Data Type: Point Name: RILEY Easting: 375400 Northing: 436700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/06/1966 Version End Date: -



ID	Location	Details	
-	1784m E	Status: Historical Licence No: 2671335020 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT WISWELL MOOR FARM,SABDEN Data Type: Point Name: RILEY Easting: 375400 Northing: 436700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/06/1966 Version End Date: -
-	1784m E	Status: Historical Licence No: 2671335020 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT WISWELL MOOR FARM, SABDEN Data Type: Point Name: RILEY Easting: 375400 Northing: 436700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/06/1966 Version End Date: -
-	1804m N	Status: Historical Licence No: 2671309052 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: LAND AT PENDLE VIEW FISHERIES, CLITHEROE Data Type: Point Name: PENDLE VIEW FISHERIES LTD Easting: 374240 Northing: 438310	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 29/06/2004 Expiry Date: 31/03/2012 Issue No: 2 Version Start Date: 29/06/2004 Version End Date: -
-	1896m E	Status: Historical Licence No: 2671335008 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT BRAMLEY FARM,WISNELL, WHALLEY." Data Type: Point Name: HOLGATE Easting: 375500 Northing: 436800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 04/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 04/04/1966 Version End Date: -



ID	Location	Details	
-	1896m E	Status: Historical Licence No: 2671335008 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT BRAMLEY FARM, WISNELL, WHALLEY. Data Type: Point Name: HOLGATE Easting: 375500 Northing: 436800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 04/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 04/04/1966 Version End Date: -
-	1896m E	Status: Historical Licence No: 2671335008 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT BRAMLEY FARM, WISNELL, WHALLEY. Data Type: Point Name: ROY & KATHLEEN DENT Easting: 375500 Northing: 436800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 04/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 28/11/2003 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	12
-----------------------------	-----------

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 39](#) >

ID	Location	Details	
-	634m S	Status: Historical Licence No: NW/071/0329/001 Details: Hydroelectric Power Generation Direct Source: Surface, Non-Tidal - North West Region Point: RIVER CALDER AT WHALLEY WEIR, BILLINGTON, CLITHEROE Data Type: Point Name: Whalley Community Hydro Limited Easting: 373500 Northing: 435897	Annual Volume (m ³): 118800000 Max Daily Volume (m ³): 540000 Original Application No: NPS/WR/036495 Original Start Date: 25/09/2013 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 07/10/2021 Version End Date: -



ID	Location	Details	
-	634m S	Status: Historical Licence No: NW/071/0329/001 Details: General Use Relating To Secondary Category (Very Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: RIVER CALDER AT WHALLEY WEIR, BILLINGTON, CLITHEROE Data Type: Point Name: Whalley Community Hydro Limited Easting: 373500 Northing: 435897	Annual Volume (m ³): 118800000 Max Daily Volume (m ³): 540000 Original Application No: NPS/WR/036495 Original Start Date: 25/09/2013 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 07/10/2021 Version End Date: -
-	1083m E	Status: Historical Licence No: 2671336006 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household" Direct Source: "Surface, Non-Tidal - North West Region" Point: "SPRING FED TANK AT WISWELL, CLITHEROE" Data Type: Point Name: SCHOLFIELD Easting: 374600 Northing: 437000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 05/04/1976 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1987 Version End Date: -
-	1083m E	Status: Historical Licence No: 2671336006 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Surface, Non-Tidal - North West Region Point: SPRING FED TANK AT WISWELL, CLITHEROE Data Type: Point Name: SCHOLFIELD Easting: 374600 Northing: 437000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 05/04/1976 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1987 Version End Date: -
-	1123m NE	Status: Historical Licence No: 2671336001 Details: General use relating to Secondary Category (Medium Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "SPRING AT SHEEPEATE FARM,WISWELL." Data Type: Point Name: MR T WHITEWELL MRS A M WOOD Easting: 374600 Northing: 437100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/03/1966 Version End Date: -



ID	Location	Details	
-	1123m NE	Status: Historical Licence No: 2671336001 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: SPRING AT SHEEPEATE FARM,WISWELL. Data Type: Point Name: MR T WHITEWELL MRS A M WOOD Easting: 374600 Northing: 437100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/03/1966 Version End Date: -
-	1639m NE	Status: Historical Licence No: 2671309044 Details: Fish Farm/Cress Pond Throughflow Direct Source: "Surface, Non-Tidal - North West Region" Point: "RESERVOIR AT BARROW, BLACKBURN" Data Type: Point Name: PENDLE VIEW FISHERIES LTD Easting: 374300 Northing: 438100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/02/1991 Expiry Date: - Issue No: 102 Version Start Date: 26/10/2001 Version End Date: -
-	1639m NE	Status: Historical Licence No: 2671309044 Details: Fish Farm/Cress Pond Throughflow Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIR AT BARROW, BLACKBURN Data Type: Point Name: Pendle View Holiday Park Limited Easting: 374300 Northing: 438100	Annual Volume (m ³): 238937.76 Max Daily Volume (m ³): 654.62 Original Application No: NPS/WR/037492 Original Start Date: 21/02/1991 Expiry Date: - Issue No: 103 Version Start Date: 06/06/2022 Version End Date: -
-	1857m NE	Status: Historical Licence No: 2671309047 Details: Fish Farm/Cress Pond Throughflow Direct Source: "Surface, Non-Tidal - North West Region" Point: "SPRING FED STORAGE TANK AT BARROW, BLACKBURN" Data Type: Point Name: PENDLE VIEW FISHERIES LTD Easting: 374700 Northing: 438100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/1993 Expiry Date: - Issue No: 102 Version Start Date: 26/10/2001 Version End Date: -



ID	Location	Details	
-	1857m NE	Status: Historical Licence No: 2671309047 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household" Direct Source: "Surface, Non-Tidal - North West Region" Point: "SPRING FED STORAGE TANK AT BARROW, BLACKBURN" Data Type: Point Name: PENDLE VIEW FISHERIES LTD Easting: 374700 Northing: 438100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/1993 Expiry Date: - Issue No: 102 Version Start Date: 26/10/2001 Version End Date: -
-	1857m NE	Status: Historical Licence No: 2671309047 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Surface, Non-Tidal - North West Region Point: SPRING FED STORAGE TANK AT BARROW, BLACKBURN Data Type: Point Name: Pendle View Holiday Park Limited Easting: 374700 Northing: 438100	Annual Volume (m ³): 119867.11 Max Daily Volume (m ³): 328.40 Original Application No: NPS/WR/037493 Original Start Date: 12/02/1993 Expiry Date: - Issue No: 103 Version Start Date: 06/06/2022 Version End Date: -
-	1857m NE	Status: Historical Licence No: 2671309047 Details: Fish Farm/Cress Pond Throughflow Direct Source: Surface, Non-Tidal - North West Region Point: SPRING FED STORAGE TANK AT BARROW, BLACKBURN Data Type: Point Name: Pendle View Holiday Park Limited Easting: 374700 Northing: 438100	Annual Volume (m ³): 119867.11 Max Daily Volume (m ³): 328.40 Original Application No: NPS/WR/037493 Original Start Date: 12/02/1993 Expiry Date: - Issue No: 103 Version Start Date: 06/06/2022 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

7

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 39 >](#)



ID	Location	Details	
-	1083m E	Status: Historical Licence No: 2671336006 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household" Direct Source: "Surface, Non-Tidal - North West Region" Point: "SPRING FED TANK AT WISWELL, CLITHEROE" Data Type: Point Name: SCHOLFIELD Easting: 374600 Northing: 437000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 05/04/1976 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1987 Version End Date: -
-	1083m E	Status: Historical Licence No: 2671336006 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Surface, Non-Tidal - North West Region Point: SPRING FED TANK AT WISWELL, CLITHEROE Data Type: Point Name: SCHOLFIELD Easting: 374600 Northing: 437000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 05/04/1976 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1987 Version End Date: -
-	1436m S	Status: Historical Licence No: 2671336007 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household" Direct Source: Ground Water - North West Region Point: "BOREHOLE AT DEAN NAB, WHALLEY" Data Type: Point Name: ANDREW Easting: 373400 Northing: 435100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 19/07/1993 Expiry Date: - Issue No: 101 Version Start Date: 29/06/1998 Version End Date: -
-	1436m S	Status: Historical Licence No: 2671336007 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water - North West Region Point: BOREHOLE AT DEAN NAB, WHALLEY Data Type: Point Name: CLARKE Easting: 373400 Northing: 435100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 19/07/1993 Expiry Date: - Issue No: 102 Version Start Date: 01/07/2003 Version End Date: -



ID	Location	Details	
-	1436m S	Status: Historical Licence No: 2671336007 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water - North West Region Point: BOREHOLE AT DEAN NAB, WHALLEY Data Type: Point Name: CLARKE Easting: 373400 Northing: 435100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 19/07/1993 Expiry Date: - Issue No: 102 Version Start Date: 01/07/2003 Version End Date: -
-	1857m NE	Status: Active Licence No: 2671309047 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Surface, Non-Tidal - North West Region Point: SPRING FED STORAGE TANK AT BARROW, BLACKBURN Data Type: Point Name: Pendle View Holiday Park Limited Easting: 374700 Northing: 438100	Annual Volume (m ³): 119867.11 Max Daily Volume (m ³): 328.4 Original Application No: NPS/WR/037493 Original Start Date: 12/02/1993 Expiry Date: - Issue No: 103 Version Start Date: 06/06/2022 Version End Date: -
-	1857m NE	Status: Historical Licence No: 2671309047 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household" Direct Source: "Surface, Non-Tidal - North West Region" Point: "SPRING FED STORAGE TANK AT BARROW, BLACKBURN" Data Type: Point Name: PENDLE VIEW FISHERIES LTD Easting: 374700 Northing: 438100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/1993 Expiry Date: - Issue No: 102 Version Start Date: 26/10/2001 Version End Date: -

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

5.9 Source Protection Zones

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

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

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



5.10 Source Protection Zones (confined aquifer)

Records within 500m

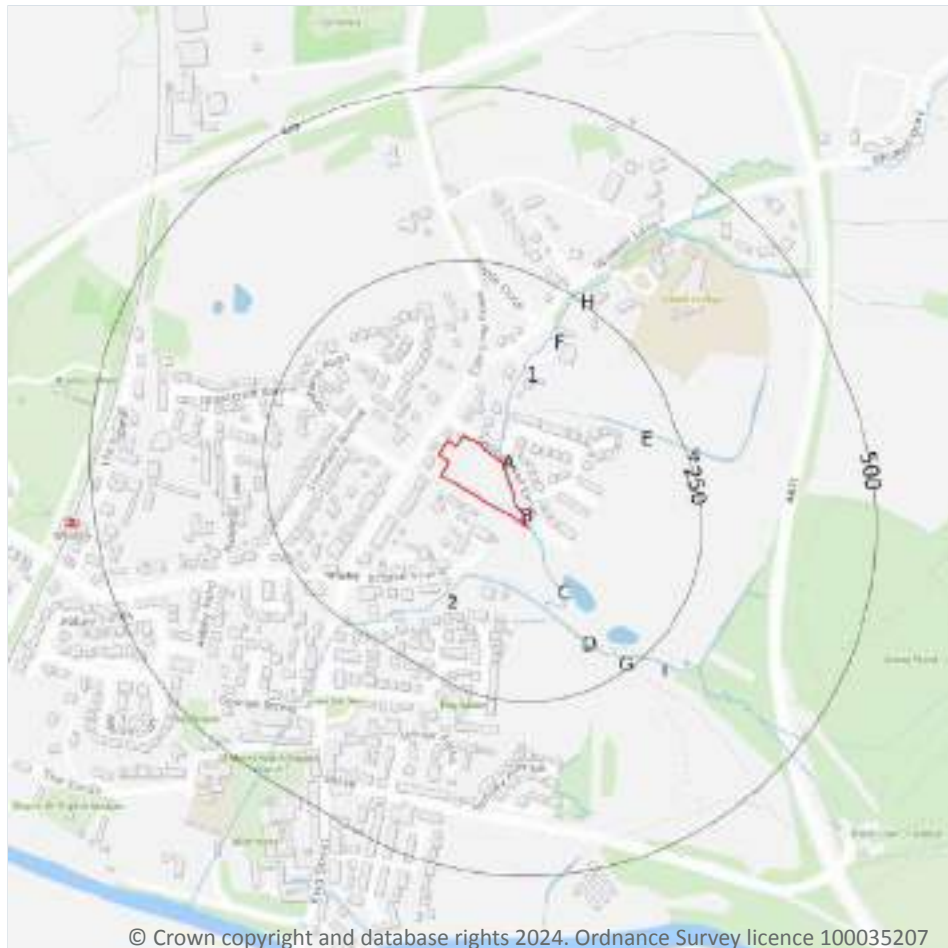
0

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

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



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

20

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 49 >](#)

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



ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	23m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	28m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	28m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
1	69m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
2	89m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	112m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	122m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
D	126m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	135m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	146m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	187m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
F	191m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	200m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
H	207m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	221m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
I	227m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	250m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

11

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 49](#) >

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 49](#) >



ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Calder - Pendle Water to conf Ribble	GB112071065490	Calder	Ribble

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

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

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

Features are displayed on the Hydrology map on [page 49 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	609m S	River	Calder - Pendle Water to conf Ribble	GB112071065490 ↗	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.

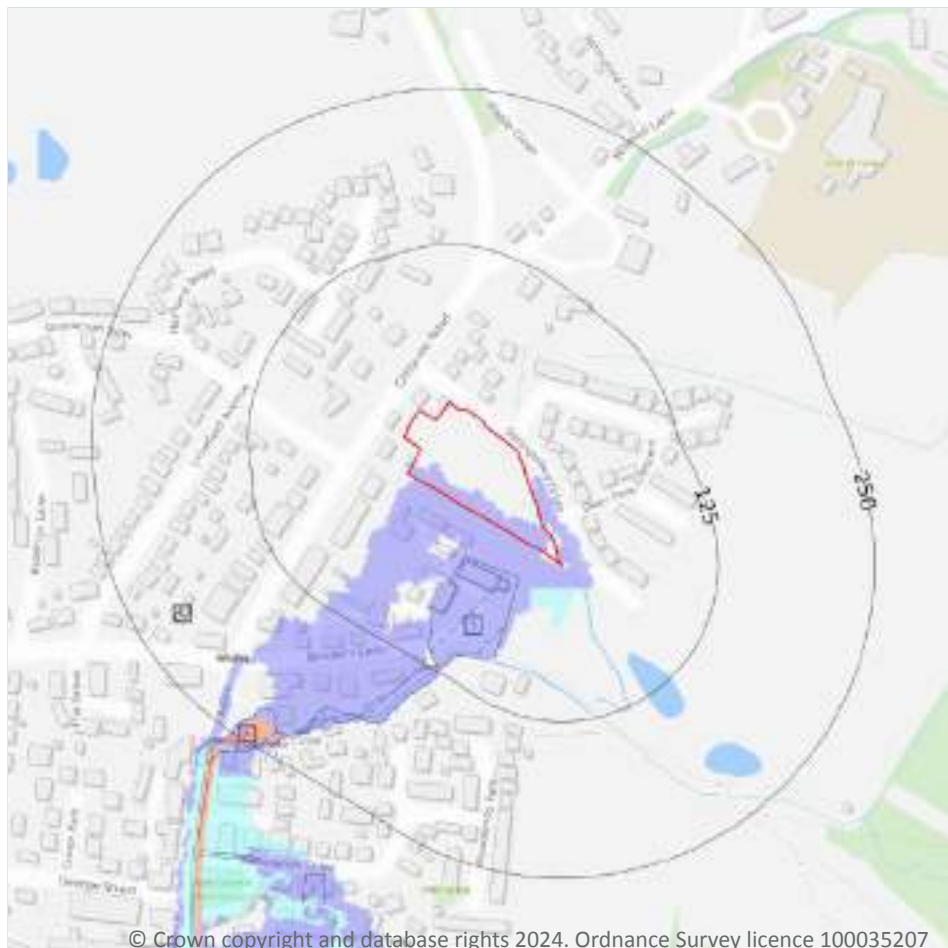
Features are displayed on the Hydrology map on [page 49 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Douglas, Darwen and Calder Carboniferous Aquifers	GB41202G100300 ↗	Poor	Poor	Good	2019

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



7 River and coastal flooding



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

7.1 Risk of flooding from rivers and the sea

Records within 50m

4

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).

Features are displayed on the River and coastal flooding map on [page 53](#) >



Distance	Flood risk category
On site	Medium
0 - 50m	Medium

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

7.2 Historical Flood Events

Records within 250m	3
----------------------------	----------

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

Features are displayed on the River and coastal flooding map on [page 53 >](#)

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
5	27m S	Whalley	2015-12-26 2015-12-27	Ordinary watercourse	Channel capacity exceeded (no raised defences)	Fluvial
6	205m SW	Station Road, Whalley	2015-12-26 2015-12-27	Unknown	Unknown	No data
A	218m SW	Whalley	2015-12-26 2015-12-27	Ordinary watercourse	Channel capacity exceeded (no raised defences)	Fluvial

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

7.3 Flood Defences

Records within 250m	0
----------------------------	----------

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

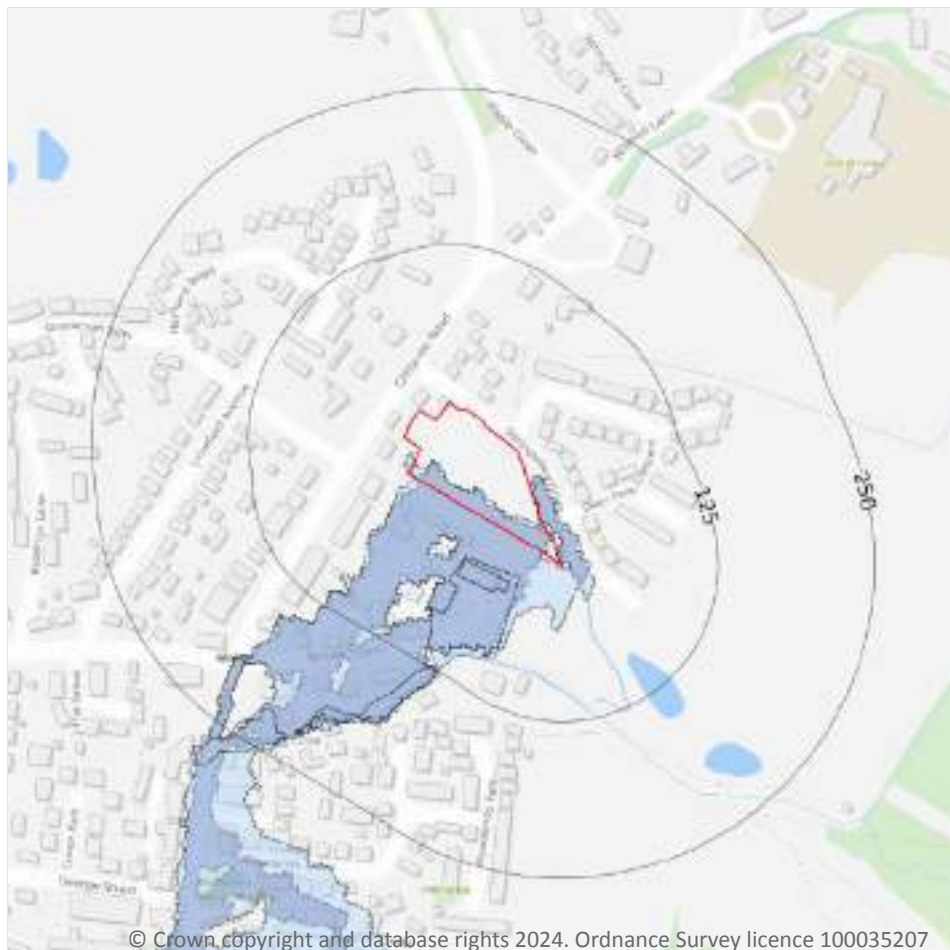
0

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

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



River and coastal flooding - Flood Zones



© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

7.6 Flood Zone 2

Records within 50m

1

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.

Features are displayed on the River and coastal flooding map on [page 53](#) >

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

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

7.7 Flood Zone 3

Records within 50m

1

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.

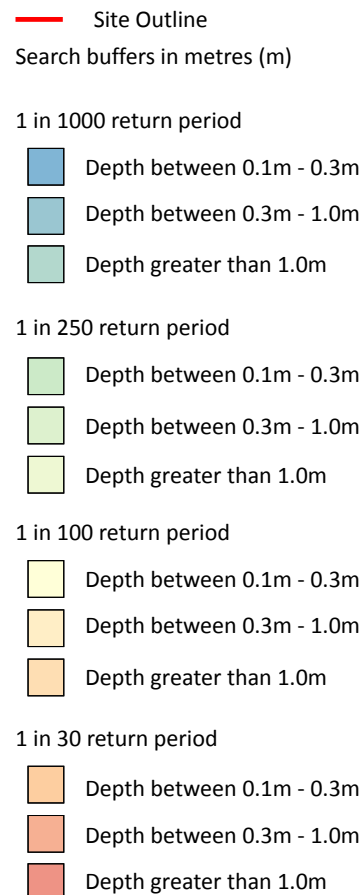
Features are displayed on the River and coastal flooding map on [page 53](#) >

Location	Type
On site	Zone 3 - (Fluvial Models)

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

1 in 30 year, 0.3m - 1.0m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on [page 58 >](#)

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

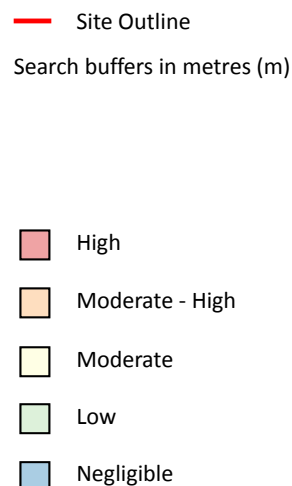
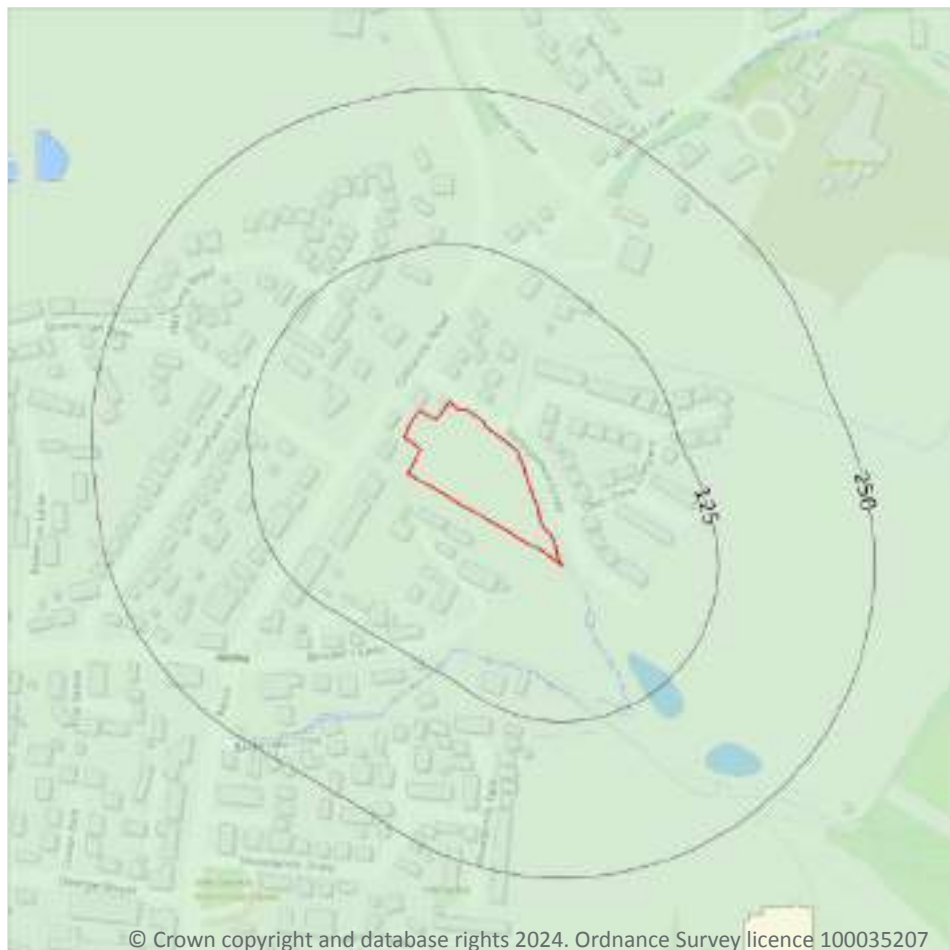
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

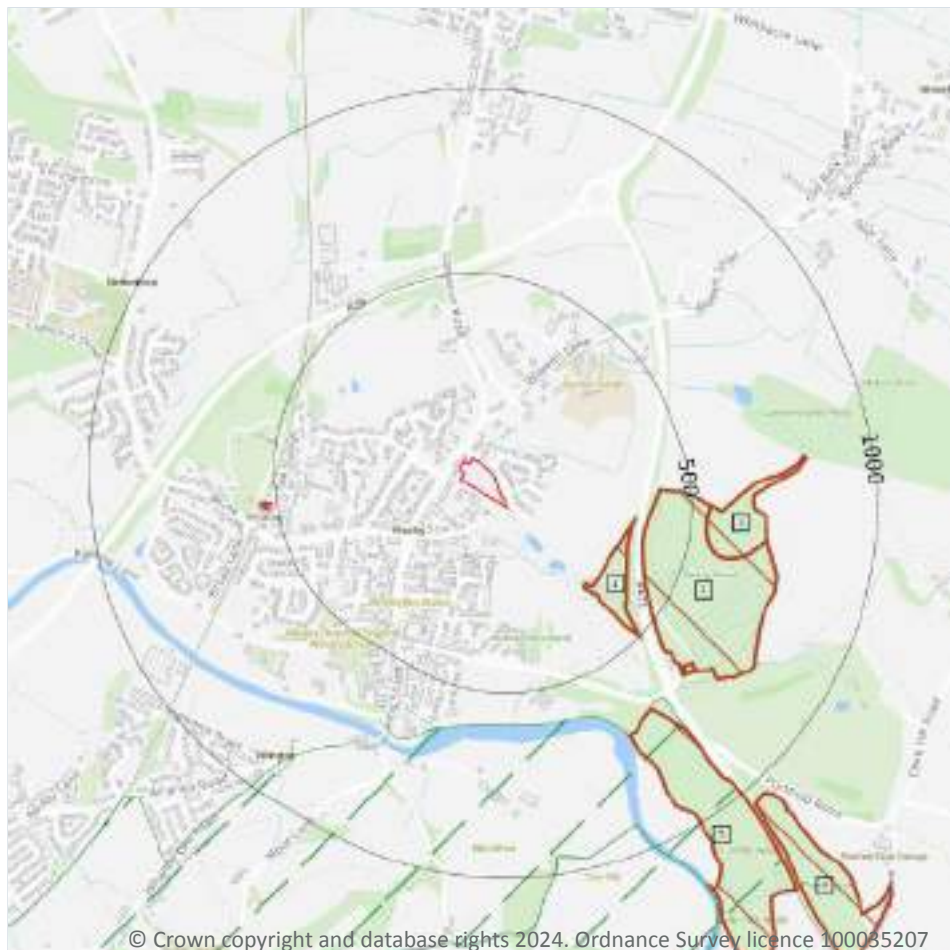
Low

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

Features are displayed on the Groundwater flooding map on [page 60](#) >

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- Designated Ancient Woodland
- Green Belt

© Crown copyright and database rights 2024. Ordnance Survey licence 100085207

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 61](#) >

ID	Location	Name	Data source
-	1843m NE	Light Clough	Natural England



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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m**0**

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

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

10.7 Designated Ancient Woodland

Records within 2000m**8**

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

Features are displayed on the Environmental designations map on [page 61 >](#)

ID	Location	Name	Woodland Type
1	297m SE	Spring Wood	Ancient & Semi-Natural Woodland
2	378m E	Spring Wood	Ancient & Semi-Natural Woodland
3	543m E	Spring Wood	Ancient Replanted Woodland
5	670m SE	Planes Wood	Ancient & Semi-Natural Woodland
7	1038m SE	Planes Wood	Ancient & Semi-Natural Woodland
-	1398m S	Banks Wood	Ancient & Semi-Natural Woodland
-	1836m W	Mitton Wood	Ancient & Semi-Natural Woodland
-	1947m SE	Brocklehurst Wood	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m**0**

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

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



10.9 Forest Parks

Records within 2000m**0**

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m**0**

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

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

10.11 Green Belt

Records within 2000m**2**

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

Features are displayed on the Environmental designations map on [page 61 >](#)

ID	Location	Name	Local Authority name
4	587m S	Merseyside and Greater Manchester	Ribble Valley
6	924m SE	Merseyside and Greater Manchester	Hyndburn

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

10.12 Proposed Ramsar sites

Records within 2000m**0**

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

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

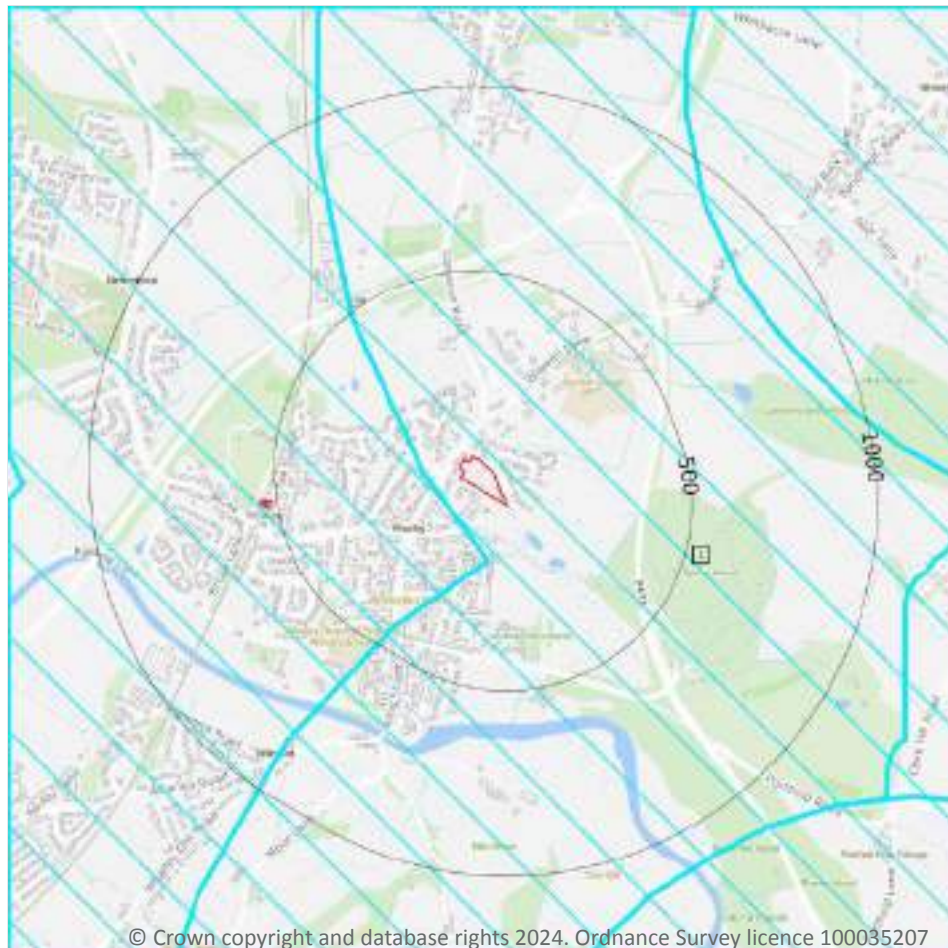
Records within 2000m**0**

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

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



SSSI Impact Zones and Units



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

10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 66](#) >

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	1
----------------------	---

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

Features are displayed on the SSSI Impact Zones and Units map on [page 66 >](#)

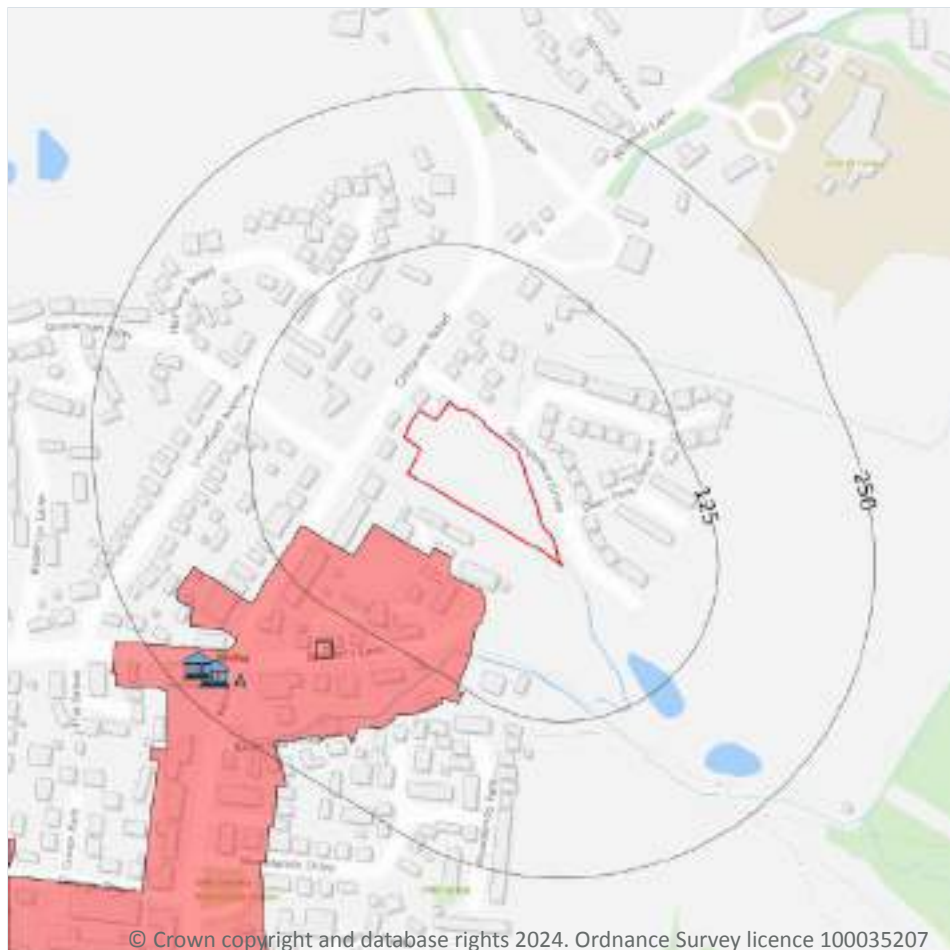
ID: -
 Location: 1843m NE
 SSSI name: Light Clough
 Unit name: Light Clough
 Broad habitat: Earth Heritage
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
EW - Namurian	Favourable	15/03/2006

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



11 Visual and cultural designations



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m**0**

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

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

11.3 National Parks

Records within 250m**0**

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

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

11.4 Listed Buildings

Records within 250m**2**

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 68](#) >

ID	Location	Name	Grade	Reference Number	Listed date
A	222m SW	War Memorial	II	1096086	11/04/2003
A	228m SW	Old Grammar School	II	1164763	13/03/1986

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



11.5 Conservation Areas

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on [page 68](#) >

ID	Location	Name	District	Date of designation
1	41m S	Whalley	Ribble Valley	11/09/1972

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

0

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

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



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

2

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

Features are displayed on the Agricultural designations map on [page 71](#) >

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	189m SW	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



12.5 Countryside Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- 500 1000
- Full coverage
 - Partial coverage
 - No coverage

14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 75](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	No coverage	No coverage	No coverage	NoCov

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

0

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.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

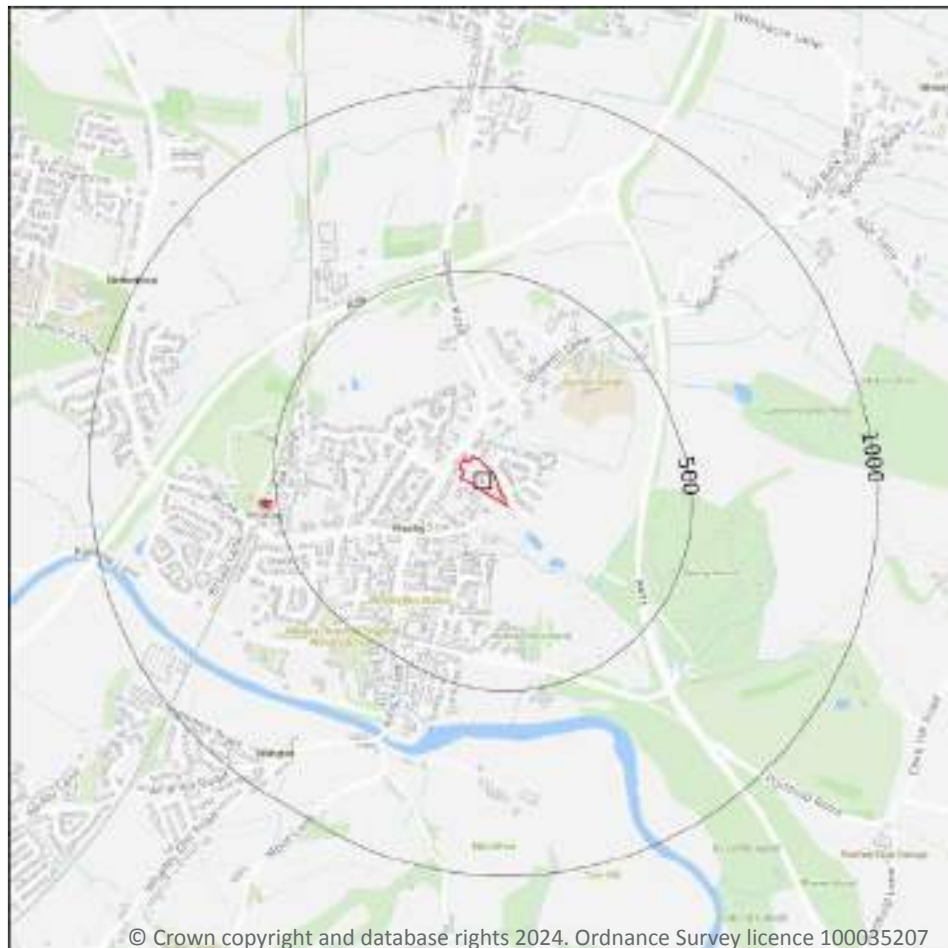
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



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

15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 79](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	Full	EW068_clitheroe_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

0

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.

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 81](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
2	320m SE	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
3	458m S	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL



This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

1

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

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

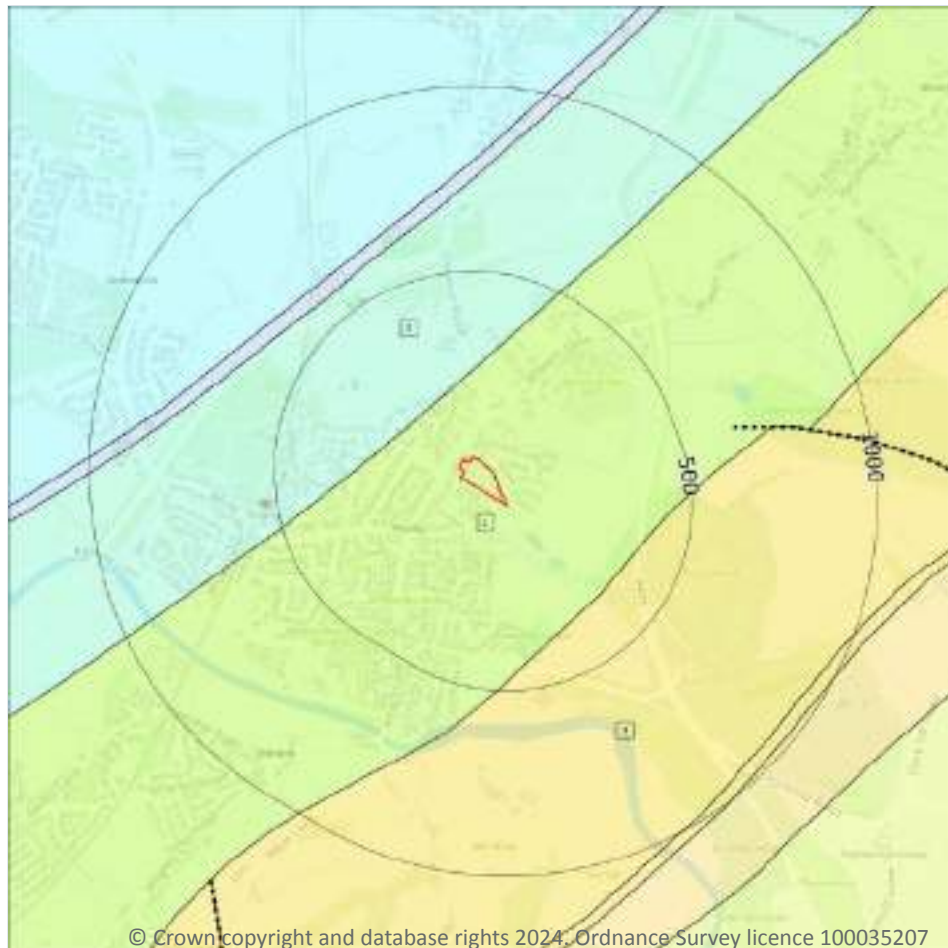
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

3

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 83](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	BSG-MDST	BOWLAND SHALE FORMATION - MUDSTONE	WISEAN
2	167m NW	RKM-MDST	RAD BROOK MUDSTONE MEMBER - MUDSTONE	WISEAN
3	348m SE	PG-SDST	PENDLE GRIT MEMBER - SANDSTONE	NAMURIAN

This data is sourced from the British Geological Survey.



15.9 Bedrock permeability (50k)

Records within 50m**1**

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m**0**

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

This data is sourced from the British Geological Survey.



16 Boreholes

16.1 BGS Boreholes

Records within 250m

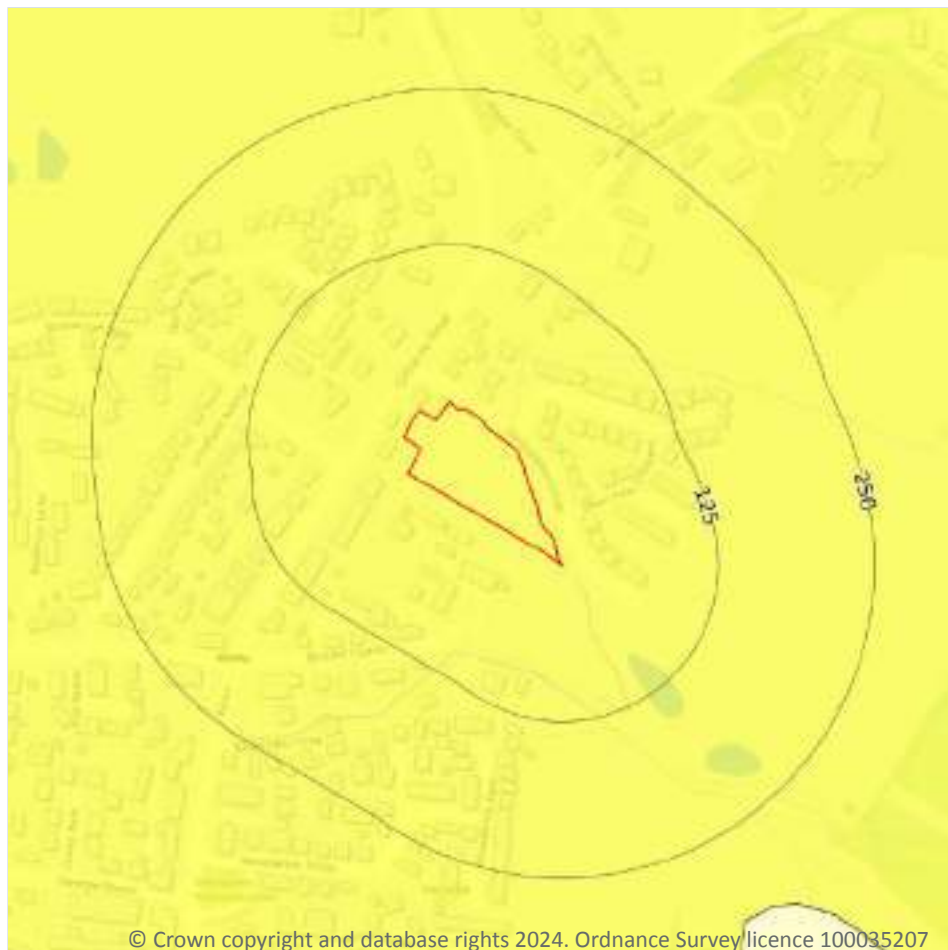
0

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.

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

1

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

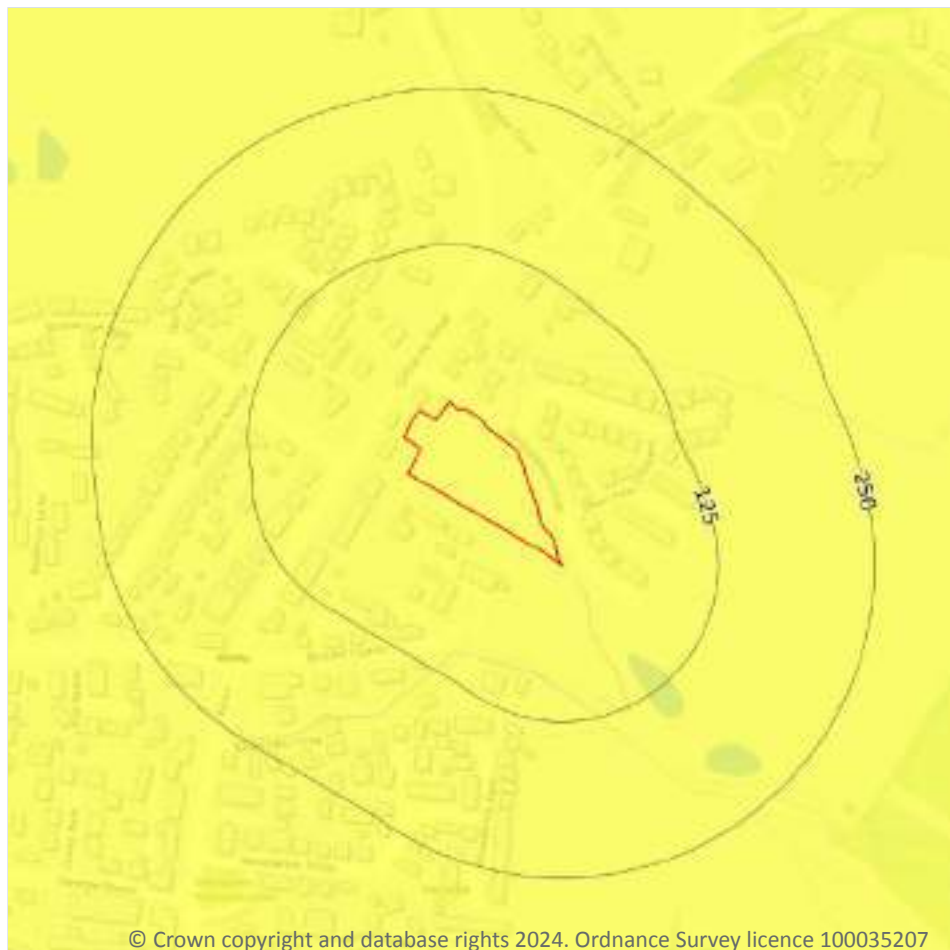
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 86 >](#)

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

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.

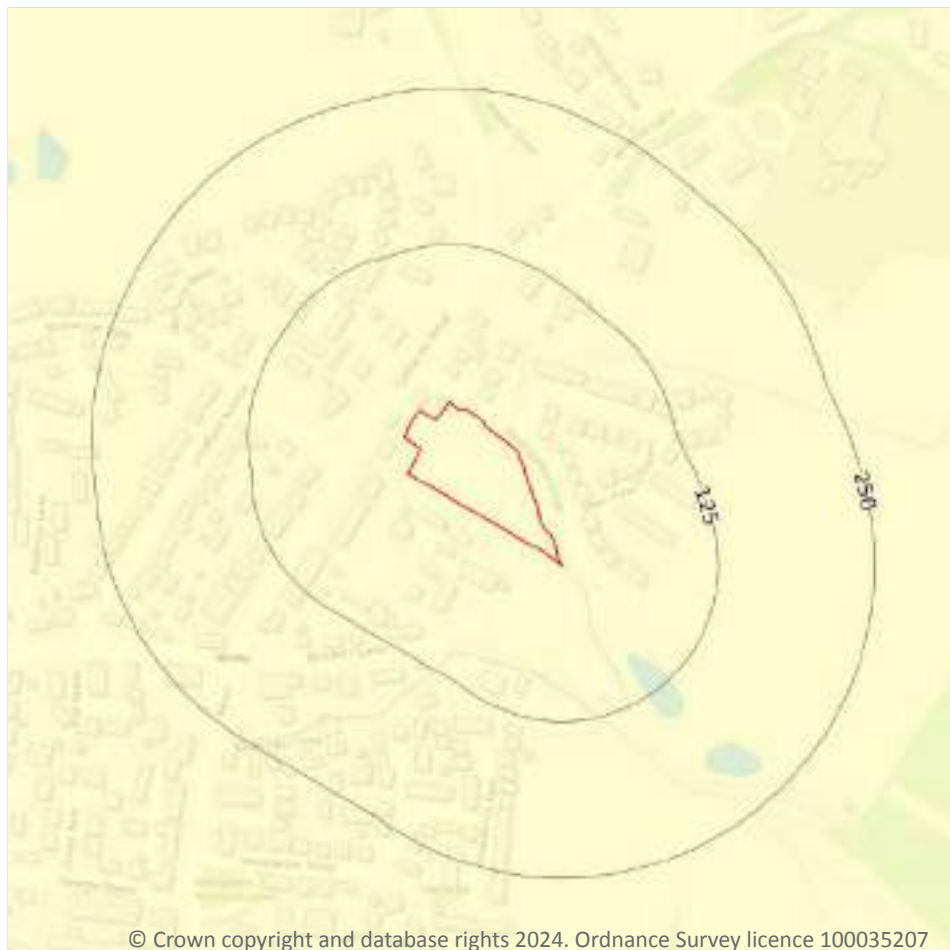
Features are displayed on the Natural ground subsidence - Running sands map on [page 87 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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

17.3 Compressible deposits

Records within 50m

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.

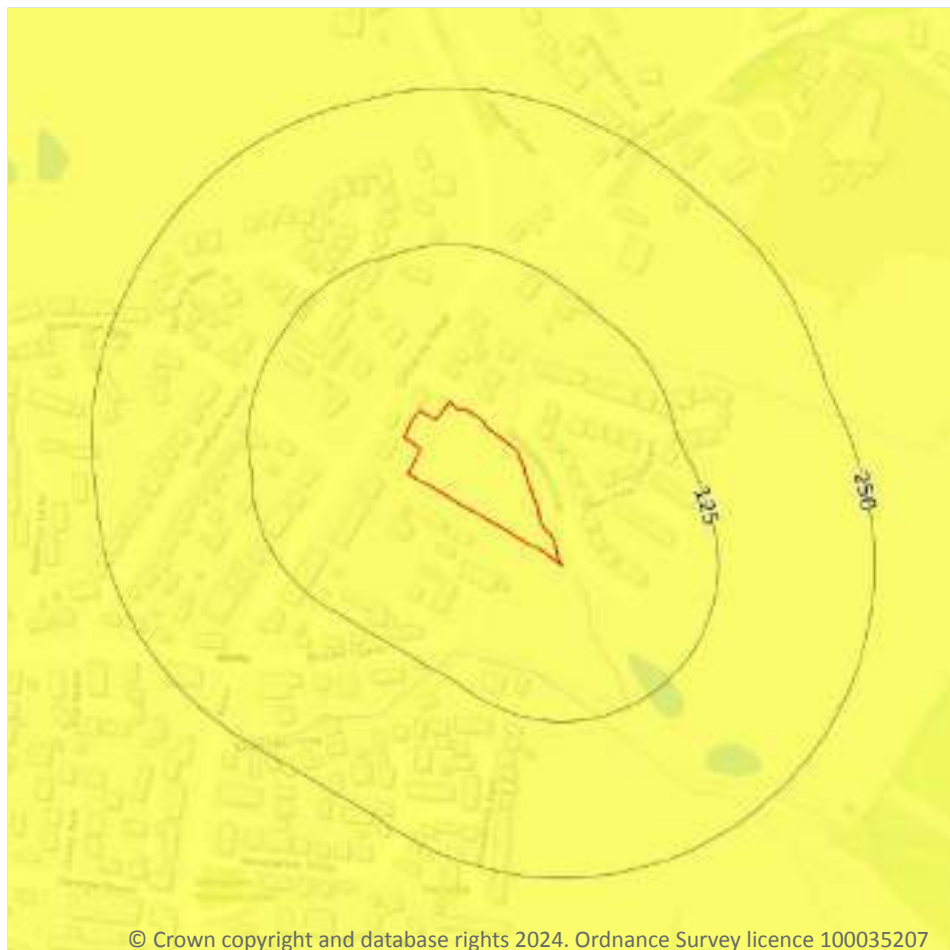
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 88](#) >

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



© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

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

17.4 Collapsible deposits

Records within 50m

1

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

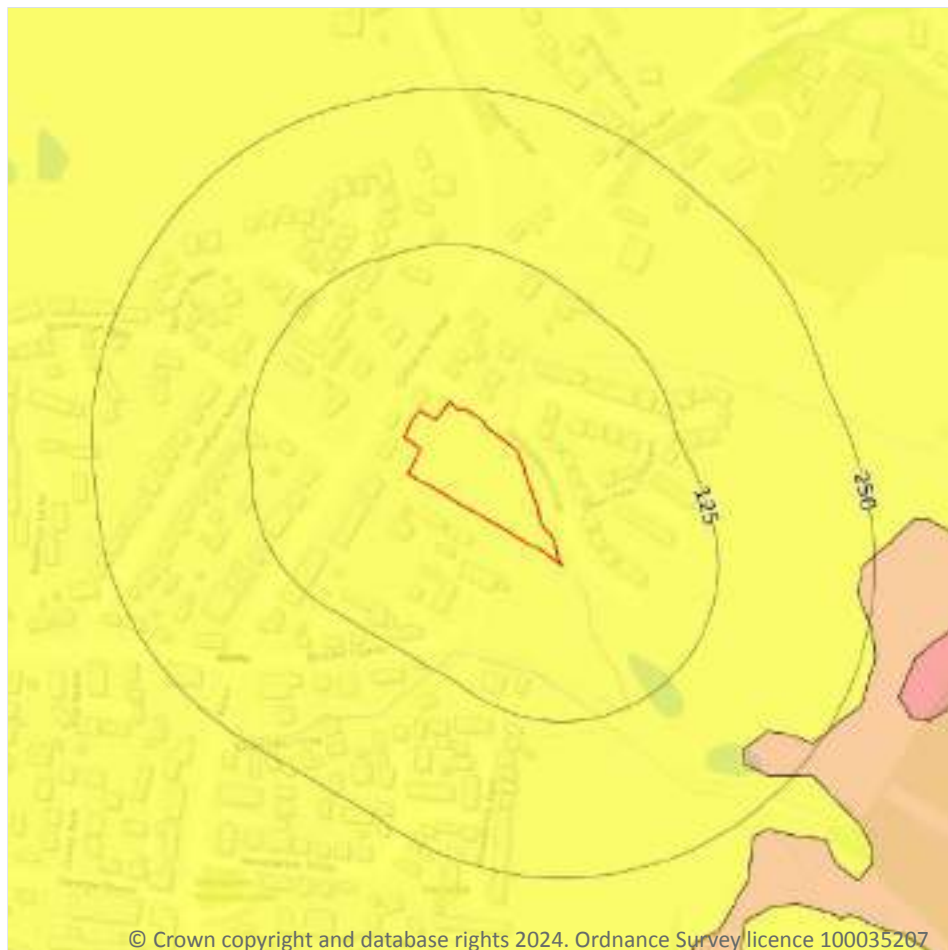
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 89](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



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

17.5 Landslides

Records within 50m

1

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

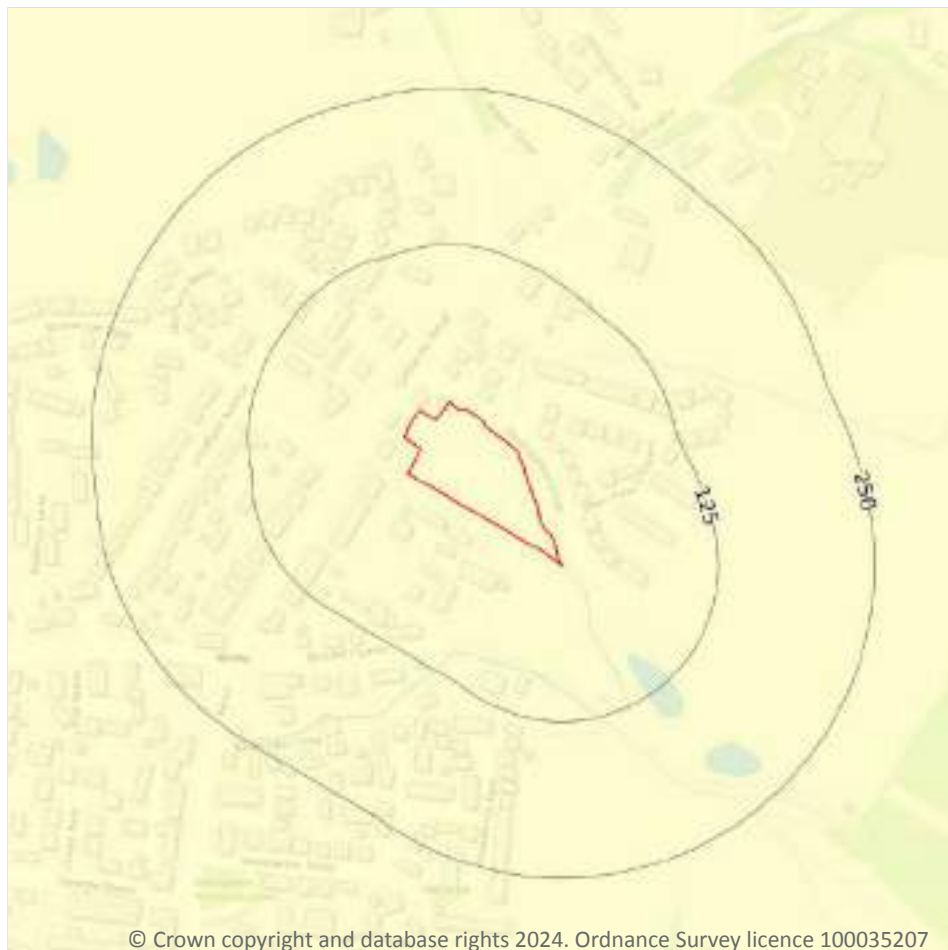
Features are displayed on the Natural ground subsidence - Landslides map on [page 90](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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

17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 91](#) >

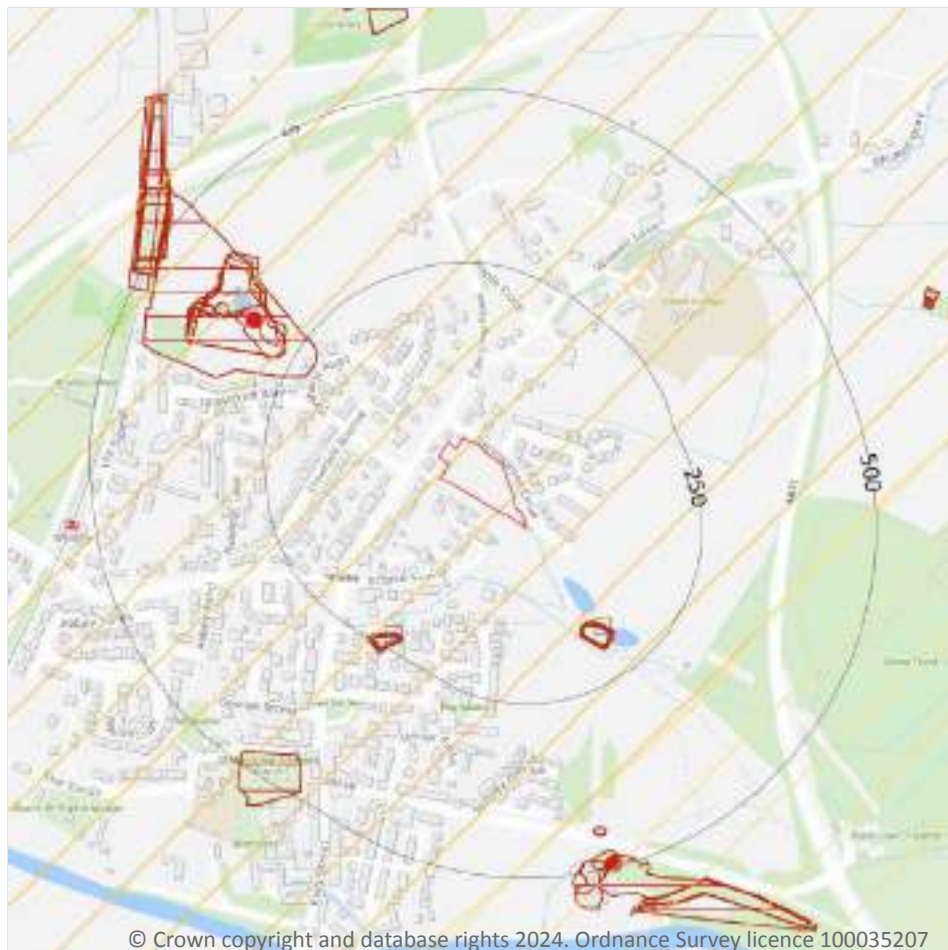
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- ▭ Surface ground workings
- ▭ Underground workings
- ▭ Underground mining extents
- ▭ Historical mineral planning areas
- ▭ TCA non-coal mining
- Non Coal Mining
- ▭ Sporadic underground mining of restricted extent possible
- ▭ Localised small scale underground mining possible
- ▭ Small scale mining possible
- ▭ Underground mining known or likely within or in close proximity
- ▭ Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

2

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

Features are displayed on the Mining and ground workings map on [page 93](#) >

ID	Location	Details	Description
B	326m NW	Name: Whalley Brick & Tile Works Address: Whalley, GREAT HARWOOD, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
D	494m S	Name: Sand House Sand Pit Address: Whalley, GREAT HARWOOD, Lancashire Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	10
----------------------------	-----------

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 93 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
A	159m SE	Pond	1892	1:10560
A	160m SE	Pond	1848	1:10560
A	162m SE	Reservoir	1933	1:10560
A	162m SE	Reservoir	1910	1:10560
A	163m SE	Reservoir	1950	1:10560
B	219m NW	Brick and Tile Works	1892	1:10560
C	225m SW	Reservoir	1950	1:10560
C	225m SW	Pond	1892	1:10560
C	228m SW	Reservoir	1933	1:10560
C	228m SW	Reservoir	1910	1:10560

This is data is sourced from Ordnance Survey/Groundsure.



18.3 Underground workings

Records within 1000m**0**

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

This data is sourced from Ordnance Survey/Groundsure.

18.4 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**2**

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

Features are displayed on the Mining and ground workings map on [page 93](#) >

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Vein Mineral	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.



ID	Location	Name	Commodity	Class	Likelihood
2	348m SE	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

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

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

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

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

This data is sourced from The Coal Authority.

18.9 Researched mining

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

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

This data is sourced from Groundsure.



18.10 Mining record office plans

Records within 500m**0**

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m**0**

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site**0**

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site**0**

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

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

18.14 Gypsum areas

Records on site**0**

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.



18.15 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

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

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

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



19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

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



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

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

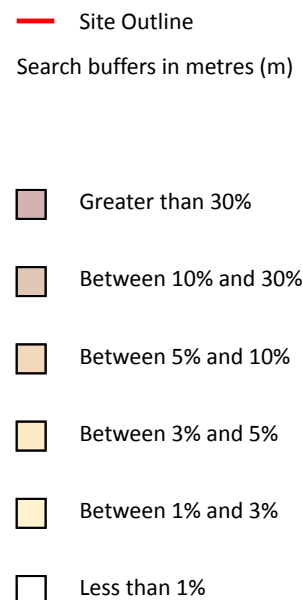
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

This data is sourced from the British Geological Survey.



20 Radon



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 101](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 1% and 3%	None



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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

3

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
19m SE	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per 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**0**

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.

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m**0**

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



This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.



APPENDIX C

Photographs



P1: Site view from springwood drive looking southeast.

P2: Site view from springwood drive looking south.



P3: Northwest corner of the site, taken looking west.

P4: Overgrown grassland in the northwest section of the site.



P5: Taken looking east across site.

Comments:



Photographs 1 to 5

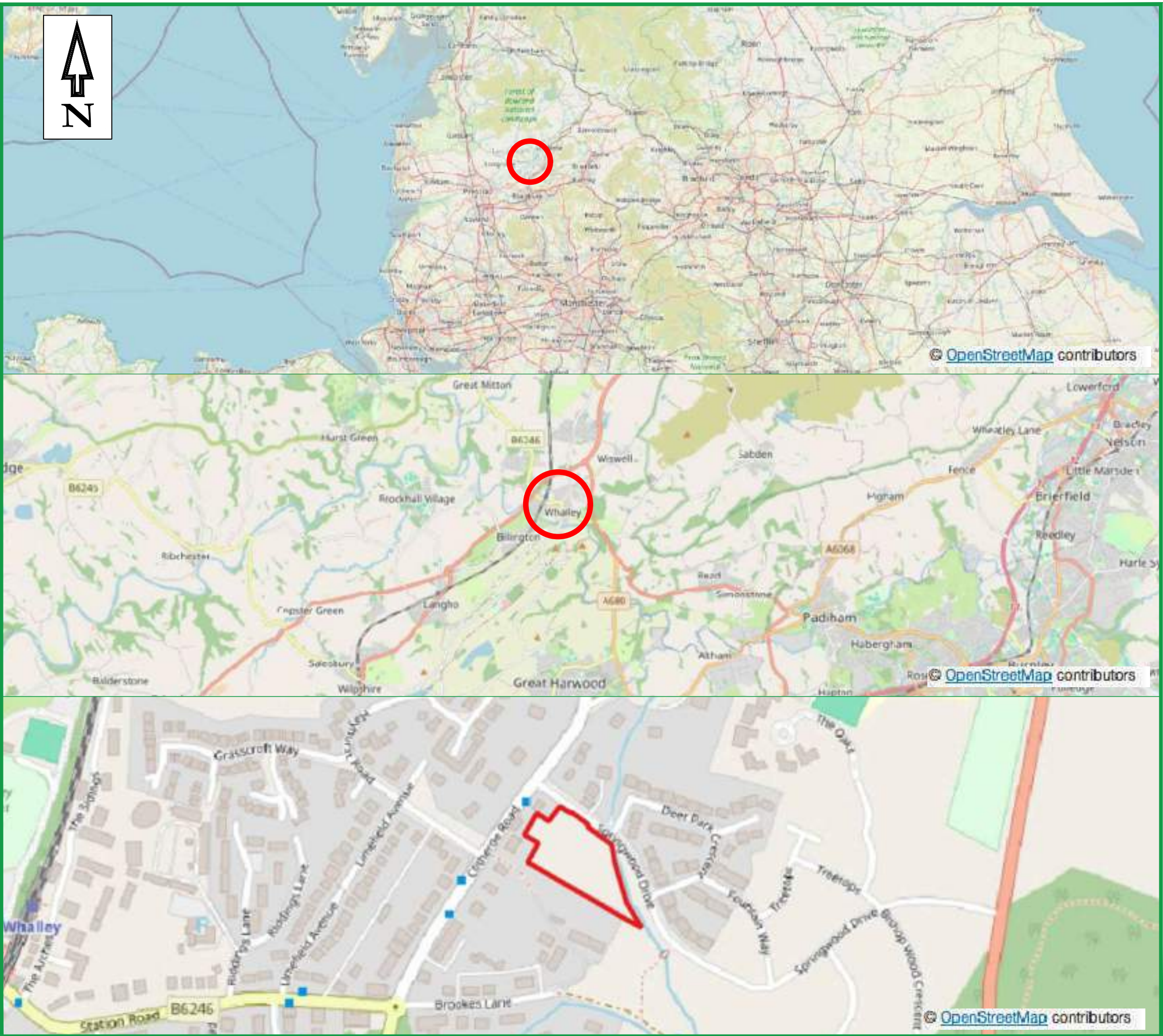
This appendix is for illustrative purposes only and is for use only in conjunction with associated reports relating to the project

Site: Land south of Springwood Drive, Whalley
Title: Appendix E - Site Photographs

Project No: 24124	Created By: P Conroy	Date: September 24
Client: CRJ Developments Ltd		

APPENDIX D

Drawings



LEGEND

— SITE LOCATION

A	Minor amendment	20/10/25	D.E.
REV	DESCRIPTION	DATE	BY



No 2 Landwick Court, Metcalf Drive, Altham Business Park, Lancashire
Tel: 01254 377622 Mob: 07906753583
Email: mbuckley@bekenviro.co.uk
Web: www.bekenviro.co.uk

CLIENT.
CRJ DEVELOPMENTS LTD

JOB TITLE.
LAND SOUTH OF SPRINGWOOD DRIVE, WHALLEY

DRAWING TITLE.
SITE LOCATION PLAN

SCALE © A3. N'TS	DRAWN BY. D.E.	APPROVED BY. M.B.	DATE. 06/09/24
DRAWING No.	24124-1	REV.	A



LEGEND

— SITE FOOTPRINT

A	Minor amendment	20/10/25	D.E.
REV	DESCRIPTION	DATE	BY



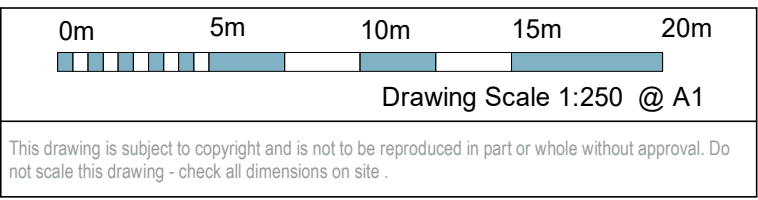
No 2 Landwick Court, Metcalf Drive, Altham Business
Park, Lancashire, BB5 5GY
Tel: 01254 377622 Mob: 07906753583
Email: mbuckley@bekenviro.co.uk
Web: www.bekenviro.co.uk

CLIENT.
CRJ DEVELOPMENTS LTD

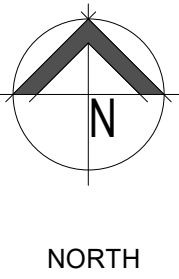
JOB TITLE.
LAND SOUTH OF SPRINGWOOD DRIVE, WHALLEY

DRAWING TITLE.
SITE LAYOUT PLAN

SCALE © A3. NTS	DRAWN BY. D.E.	APPROVED BY. M.B.	DATE. 06/09/24
DRAWING No. 24124-2	REV. A		



LEGEND	
SITE BOUNDARY	
ROAD	
PAVEMENT	
TREE	
PRIVATE SOFT LANDSCAPE	
PUBLIC SOFT LANDSCAPE	
TOPOGRAPHIC SLOPE	
DWELLING PATH/ PATIO SPACE	



P4	AMENDMENT TO DRAWING	PD	07.10.25
P3	SITE PLAN AMENDED IN ACCORDANCE WITH CLIENT COMMENTS	PD	22.09.25
P2	CLIENT COMMENTS INCORPORATED	PD	19.02.25
P1	REVISED PLOT LAYOUTS	PD	31.01.25
Rev	Description	By	Date
Cassidy+Ashton www.cassidyashton.co.uk			
Architecture + Building Surveying + Town Planning			
7 East Cliff, Preston, Lancashire, PR1 3JE 10 Hunters Walk, Canal Street, Chester, CH1 4EB St Andrews Business Centre, Mold, Flintshire, CH7 1XB			
T: 01772 288 356 T: 01244 402 900 T: 01352 706 246			
Client			
CRJ DEVELOPMENTS LTD.			
Project			
SPRINGWOOD DRIVE			
Drawing Title			
PROPOSED SITE & ROOF PLAN			
Drawn by	PD	Checked by	DP
Suitability	S3	Scale @ A1	As indicated
12477	SWD-CAA-XX-XX-D-A-1002	P4	
C+A JOB NO.	PROJECT - ORIGINATOR - VOL. - LEVEL - TYPE - ROLE - NUMBER	REV.	