Environmental
Geotechnical
Specialists

RGS

PHASE 1 ENVIRONMENTAL
DESK STUDY
REPORT

job number	C3779/23/E/5901
date	09.10.2025
site address	Longley Farm, Longley Lane, Holmfirth, West Yorkshire, HD9 2JD
written by	S. Hale
checked by	R. Palmer
issued by	S. Hale

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<ENVIRONMENTAL><GEOTECHNICAL>

Rogers Geotechnical Services Ltd
Offices 1 & 2 Barncliffe Business Park, Near Bank, Shelley, Huddersfield, HD8 8LU
01484 604354 Company No. 5130864

Contents

Appendices

Report on a Phase One Desk Study

Location:	Longley Farm Longley Lane, Holmfirth, West Yorkshire HD9 2JD		
For:	J&E Dickinson		
Consultants:	Holme Architecture Limited		
Report No.	C3779/23/E/5901	Report date:	September 2025

For and on behalf of **Rogers Geotechnical Services Ltd**

REDACTED	REDACTED
Steven Hale BSc FGS Geo-environmental Engineer	**Rob Palmer** MSc FGS ACIEH Engineering Director

1. Introduction

The site comprises an area of brownfield land located with the grounds of Longley Farm, Longley Lane, Holmfirth. The site under consideration is approximately 1.74 hectares in size and its National Grid reference is centred around 435327 405215. However, the development area itself is only around 0.14 hectares in size.

It is understood that the development proposals currently comprise the construction of an extension to the current factory, with external water tanks to also be installed. The extension shall be utilised for the production of cottage cheese. In order to assist with this decision-making process, and any planning and construction aspects of the development, a phase one environmental desk study has been commissioned and is the subject of this report.

In accordance with issued guidance, a site walkover was conducted on the 20th September 2025 to assess current site conditions. In addition, the client's consultant has issued photos of the site from July 2024. The following observations were made:

General site description/current site use
The site comprises an area of grassland adjacent to a former pond. The pond has subsequently been drained revealing the natural strata beneath. The natural strata comprises an orangish brown clay, beneath which a dark grey gravelly clay, considered to represent the weathered fraction of the underlying rock, is present.

Site boundaries/access
The site is openly accessible within the grounds of Longley Farm.

Topography
Whilst the development area is relatively level, the southern boundary slopes upwards towards Dunford Road.

Surface cover of site
Topsoil where the original topography remains. Natural clay and rock is present where the pond was situated.

Visible evidence of contamination/ contaminative sources
There were no other visible signs of contamination present during the time of the walkover.

Presence of vegetation and wildlife
Vegetation seems to be healthy with no evidence of degradation. There were no obvious signs of invasive flora, fauna, nesting birds, burrowing animals or edible plants observed during the time of the site walkover.

Services
Doesn't appear to be any active utilities within the development area.

Site neighbours
The site is situated within a rural area, albeit the existing factory building is situated immediately north.

In order to ensure that the site is fully characterised and to comply with the Environment Act 1995[1], a Phase One Desk Study has been commissioned by Holme Architecture on behalf of the client. The desk study is intended to assess the environmental impact of historical, current and future factors on the development. This report will present the data obtained and provide a conceptual ground model and preliminary risk assessment as well as discussing the scope of any intrusive investigation that may be required. This report does not consider ecological impacts (e.g. bats) or botanical risks (e.g. Japanese Knotweed).

2. Review and Summary of Published Data

As a part of this desk study the following data has been considered.

- Site Plan - Appendix 1
- Historical maps - Appendix 2
- Groundsure Reports - Appendix 3
- Photographs - Appendix 4

- Coal Mining Risk Assessment (C3779/25/E/8356, dated 19.09.2025)
- Ground Investigation Report (C3779/23/E/5733, dated 14.10.2024)

The data obtained from the above-mentioned sources has been summarised below[2].

[1]S57 of the Environment Act 1995 inserted the contaminated land regime into the Environmental Protection Act 1990 (Part 2A). The regime **'provides a risk-based approach to the identification and remediation of land where contamination poses an unacceptable risk to human health or the environment'** See http://www.environment-agency.gov.uk/research/planning/40405.aspx. This places a duty on local authorities to inspect their areas for contaminated land and require its remediation using the 'suitable for use' approach. Much of this duty is discharged via the planning regime under the Town and Country Planning Act 1990 as historical land contamination is a 'material planning consideration.' The local authorities are required to secure the removal of unacceptable risks via remediation of the land, to therefore ensure the site is suitable for its new use. This is fulfilled via completion of a Phase One Environmental Desk Study, Phase Two Intrusive Investigation, Phase Three Remediation Strategy and Phase Four Validation Report. Therefore, as a minimum, once a site has been developed it should not be capable of being designated as 'contaminated land' under Part 2A of the Environmental Protection Act 1990, as inserted by the Environment Act 1995 (see also PPS 23 Planning and Pollution Control Section 8)

[2] This report is a summary only and reference must be made in full to the information provided in the Groundsure Report.

2.1 Historical Land Use

Table 1: Historical Land Use[3]		
HISTORICAL MAPPING SUMMARY		
Map Dates	**On site**	**Within 250m**
1854	Site is currently an undeveloped area of land.	Sandstone Quarries – 164m E & 171m S
1893 – 1980	Site is still undeveloped	The Quarries are no longer present and are presumed to have been infilled. No other notable features. Surrounding areas are rural and agricultural use.
1981 – 2003	Longley Farm - the building configuration (current) is established. Tanks (dairy) marked within the building. Pond immediately adjacent to development area.	No notable features. Surrounding areas are rural and agricultural use.

NB. All distances given are approximate only.

2.2 Previous Reporting

Both a Phase 2 Geo-environmental Report and Coal Mining Risk Assessment have previously been undertaken by RGS (Ref: C3779/25/E/8356 & Ref: C3779/23/E/5733) in October 2024 and September 2025 respectively.

It should be appreciated that the Coal Mining Risk Assessment established a low risk.

Moreover, whilst the Phase 2 Geo-environmental report identified a thin layer of made ground beneath the topsoil at site, no significant contamination was identified.

2.3 Published Geology and Geological Hazards

Table 2: Geological Data for the Site			
BGS MAPPING DATA			
Strata Type	**Strata Name[4]**	**Previous Name[4]**	**Description[5]**
Made Ground/Fill	N/A	N/A	Not indicated on site although previous construction may have resulted in the presence of made ground.
Superficial Geology	N/A	N/A	Not indicated to underlie the site.
Solid Geology	Huddersfield White Rock	-	The Huddersfield White Rock is a medium- to coarse-grained, massive to flaggy, cross-bedded, micaceous sandstone.
GEOLOGICAL FEATURES			
Type	**Location**	**Features**	**Comments**
Mining Activity	On site	Coal mining	The study site is located within a coal mining area as defined by the Coal Authority.

[3] See Appendix 2
[4] Sources: British Geological Survey (NERC) Map Sheets 86; Glossop; Solid and Drift Edition, and GeoIndex Onshore Viewer [*online resource from www.bgs.ac.uk*]
[5] Sources: British Geological Survey (NERC) Lexicon of Named Rock Units [*online resource from www.bgs.ac.uk*]

		Non-coal Mining	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered.
Linear Features	On site	Coal seam	Upper Meltham Coal seam.
	On site	Fossil Horizon	Cancelloceras cancellatum Marine Band.
Landslip Deposits	No data	No data	No data.

BGS BOREHOLE DATA			
Reference[6]	**Location**	**Strata Description**	**Depth**
-	No borehole logs relevant to the site are present.	-	-

NATURAL GROUND SUBSIDENCE & HAZARDS[7]	
Type	**Risk Rating**
Potential for shrinking or swelling clay ground stability	Very Low.
Potential for running sand ground stability	Negligible.
Potential for compressible ground stability	Negligible.
Potential for collapsible ground stability hazards	Very Low.
Potential for landslide ground stability	Low.
Potential for ground dissolution stability	Negligible.
Radon	The property is in a Radon Affected Area as between 3% and 5% of properties are above the action level. Basic radon[8] protective measures are necessary in the construction of new dwellings or extensions.

2.4 Construction Issues

2.4.1 Foundation Construction

On the basis of the prevailing geology and assuming that there are no areas of significantly filled ground, it is anticipated that shallow strip or spread foundations could be utilised at this site. It should be appreciated that an intrusive investigation will be required to validate this opinion. Moreover, it is possible that undifferentiated strata within the Huddersfield White Rock may include very fine-grained rocks which are likely to have weathered to cohesive soils at or near the surface. Such soils could be sensitive to soil moisture variations and thus be susceptible to desiccation as result of tree root action. In light of this, it is possible that footings within the zone of influence of trees (existing or previously removed), may need to founded at extended depths in excess of 1m.

[6] https://mapapps2.bgs.ac.uk/geoindex/home.html
[7] See Groundsure report
[8] In outline, 'basic' radon protective measures involve the fitting of a gas tight ground barrier to protect against radon ingress. This should cover the whole building foot print and be lapped to the damp proof course in the walls and sealed around service penetrations. In addition, the membrane should also act as a damp-proof barrier. 'Full' radon protective measures requires the radon-proof ground barrier, together with a sump in the foundation, ready to take a fan if high levels of radon are detected after occupancy.

2.5 Mining and Natural Cavities

2.5.1 Coal Mining

The Groundsure Report states that the site is within an area that may be affected by coal mining. Subsequently, a coal mining risk assessment (Ref: C3779/25/E/8356) was undertaken by RGS in September 2025 which concluded there is a low risk for potential underground workings.

2.5.2 Non-Coal Mining

Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered.

2.6 Waste Management and Gas Monitoring

Table 3: Landfill Data and Artificial Ground, Recorded and Anticipated

ENVIRONMENT AGENCY, LOCAL AUTHORITY, BGS & HISTORIC LANDFILLS			
Waste Type	**Location**	**Comments**	**Monitoring Requirement**
Active Landfill	Within 250m	None recorded within 250m	-
Historic Landfill	Within 250m	None recorded within 250m	-
Historic waste sites	Within 250m	None recorded within 250m	-
Licenced waste sites	Within 250m	None recorded within 250m	-
Waste Exceptions	Within 250m	None recorded within 250m	-
MADE GROUND & INFILLED GROUNDWORKINGS			
Description	**Location**	**Comments**	**Monitoring Requirement**
Records of Potentially Infilled Features	164m E & 171m S	Sandstone Quarries (1854)	N

2.7 Hydrogeology, Hydrology

Table 4: Ground/Controlled Water Sensitivity and Flooding

ENVIRONMENT AGENCY AQUIFER DESIGNATION[9]		
Strata	**Designation**	**Description**
Solid Geology On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

[9] See Appendix 2

GROUNDWATER SENSITIVITY[10]		
Description	**Location**	**Details**
Source Protection Zone	Within 250m	None recorded within 250m.
Abstraction Licences	38m SW	Status: Historical. Details: General Farming & Domestic. Direct Source: Groundwater.
	88m SE	Status: Historical. Details: General Farming & Domestic. Direct Source: Groundwater.
Records of Part A(2) and Part B Activities and Enforcements	Within 250m	None recorded within 250m.
Records of Licensed Discharge Consents	Within 250m	None recorded within 250m.
High Soil Leaching Potential	On Site	Leaching Class: High.

CONTROLLED WATERS[11]		
Description	**Location**	**Details**
River Network Entries	Within 250m	None recorded within 250m.
Surface Water Features	Within 250m	1 surface water records present within 250m. Unknown type.

POLLUTION INCIDENTS[12]			
Pollutant	**Receptor**	**Location**	**Date**
General Biodegradable Materials and Wastes	Water Category 2 (Significant)	80m N	Jun 2018

ENVIRONMENT AGENCY FLOOD RISK[13]		
Description	**Location**	**Details**
Zone 2	Within 250m	The site is not situated within a Zone 2 flood plain.
Zone 3	Within 250m	The site is not situated within a Zone 3 flood plain.
Flood Defences	Within 250m	None recorded within 250m.
Groundwater Flooding Area	On site	Negligible potential for groundwater flooding to occur.

2.8 Sensitive Land Use

Table 5: Sensitive Land Uses within 250m

REGISTERED SENSITIVE LAND USES[14]		
Description	**Location**	**Details**
Nitrate Vulnerable Zone	On site	Existing.
Green Belt Land	On site	South and West Yorkshire Green Belt - Kirklees

[10] See Appendix 2
[11] See Appendix 2
[12] See Appendix 2
[13] See Appendix 2
[14] See Appendix 2

2.9 Industrial Land Use and Potential Sources of Contamination

In order for a conceptual site model and preliminary risk assessment to be completed the historical maps and Groundsure data requires analysis to identify any past or present activities on the site and in the area that may have the potential to cause contamination on the site. Guidance has been issued by the Environment Agency, NHBC and Chartered Institute of Environmental Health.[15] Within this document, annex 3 provides examples of important contaminants that are associated with individual uses of land. This data assists in the formulation of any chemical testing regime.

Those that we consider potentially contaminative according to the guidance are given below:

Table 6: Potentially Contaminative Sources

HISTORICAL		
Land Use	**Location**	**Classification**
Historical construction Sandstone Quarries	On site 164m E & 171m S	Artificial/made ground.
CURRENT		
Land Use	**Location**	**Classification**
None recorded within 250m of the site.	Within 250m	-

3. Preliminary Qualitative Risk Assessment

The potential of contamination hazards on the land has been identified and the risks associated with them are assessed in the following preliminary risk assessment in accordance with industry practice and the 'suitable for use' approach. This has been conducted using the source-pathway-receptor approach. This method dictates that there must be a risk contaminant produced at a 'source' in sufficient concentration to cause harm and there must be a 'pathway' for the contaminant to reach an identifiable 'receptor' for the linkage to be proved and a contamination hazard to be considered present. Not all substances are contaminants and not all contaminants are considered to be a risk. Indeed, DEFRA and The Environment Agency state that **'a contaminant is a substance which has the potential to cause harm, while a risk itself is considered to exist if such a substance is present in sufficient concentration to cause harm and a pathway exists for a receptor to be exposed to the substance.**'

R&D Publication 66: 2008 states that the groups at risk of harm (receptors) can be identified by the following categorisation:

1. Humans: site personnel, end users, visitors and adjacent land users.
2. The water environment – receptors: groundwater, surface water, coastal waters and artificial drainage.
3. Ecosystems: plants and animals.
4. Construction/building materials/services

[15] Guidance for the Safe Development of Housing on Land Affected by Contamination, R&D Publication 66: 2008 Volume 1 and 2.

In order to complete a conceptual site model and therefore a preliminary risk assessment, an appraisal of the sources of contamination, potential and actual, on and in the area of the site has therefore been completed with reference to this pollution linkage.[16]

3.1 Conceptual Ground Model & Preliminary Qualitative Risk Assessment

It is understood that the development proposals currently comprise the construction of an extension to the current factory, with external water tanks to also be installed. In view of the sensitivity of the end users it is considered that the soil screening values (SSVs) for a commercial end use should be employed.

The preliminary risk assessment has been evaluated with reference to the following ratings and definitions:

N/A - A source-pathway-receptor linkage is not considered to exist and therefore a risk assessment is not required.

Low - A pollution linkage is unlikely and/or the likelihood of harm occurring is low and of minor consequence.

Moderate - The linkage exists but further field or laboratory data is required to confirm that the contaminant has reached the receptor and the levels of contaminant are harmful.

High - The linkage exists and the available data indicates that significant harm may be caused and remedial action could be necessary.

[16] This assessment has been based on the information as to the proposed development that has been provided by the client. If the plans should change, the assessment should be re-evaluated.

Table 7: Conceptual Site Model and Preliminary Qualitative Risk Assessment				
CONCEPTUAL SITE MODEL			**PRELIMINARY RISK ASSESSMENT**	
Pathways	**Receptor**	**Linkage Present?**	**Risk Rating**	**Notes**
Direct contact/dermal absorption/soil ingestion	Operative	Yes – operatives are likely to come in contact with the soil. No significant contamination identified in previous testing.	Low	Historical construction on site has resulted in a thin layer of made ground/fill. This has been identified as a low risk in previous testing.
	End User	No – it is considered that the site will be wholly encapsulated beneath hardstanding and permanent structure, severing any pathways.	N/A	
	Neighbours	No – there are no residential dwellings present adjacent to the site.	N/A	
Inhalation of Dust/Vapours	Operative	Yes – contact with soil likely during works. No significant contamination identified in previous testing.	Low	Historical construction on site has resulted in a thin layer of made ground/fill. This has been identified as a low risk in previous testing.
	End User	No – it is considered that the site will be wholly encapsulated beneath hardstanding and permanent structure, severing any pathways. Previous investigation did not identify a source of vapours.	N/A	
	Neighbours	No – there are no residential dwellings present adjacent to the site.	N/A	
Ingestion of fruit/vegetables and/or waters	Operative	No – no edible plants or contained water sources in the area of the proposed new works.	N/A	No further action required.
	End User	No – there are no areas of soft landscaping as part of the proposed development.	N/A	
	Neighbours	No – there are no residential dwellings present adjacent to the site.	N/A	

Migration of hazardous gases via permeable strata	Operative	Yes – potential source on site associated with pond. However, client photos have identified that no significant thicknesses of organic fill are present.	Low	It is unlikely that significant thicknesses of made ground will have been brought on to site for previous construction. Therefore, a generative source has unlikely been produced on site. This should be re-assessed during any further intrusive works should this be proven to the contrary.
	End User		Low	
	Neighbours		Low	
Spillage/loss/run off direct to receiving water	Controlled Waters	No – there are no controlled waters within 250m of the site.	N/A	On site sources are limited to potential made ground from previous construction, which at this stage is not considered likely to present a significant risk to these receptors.
Migration via permeable unsaturated strata	Controlled Waters	Yes – Secondary A aquifer beneath the site however significant contamination not previously identified.	Low	
Run off via drainage/sewers etc	Controlled Waters	Yes – old services potentially present however significant contamination not previously identified.	Low	
Direct contact with contaminated soils	Plants	No – there are no areas of soft landscaping as part of the proposed development.	N/A	No further action required.
Uptake via root system			N/A	
Direct contact with contaminated soils/	Building Materials	Yes – possible source on site and foundation and service installation materials may be affected by the site soil.	Moderate	There are potential on-site sources of contamination that may have caused contamination of the site. Further testing required to reach a firm conclusion.
Direct contact with contaminated groundwater				

Migration of mine gas via permeable strata	Operative End User	Yes – in an area affected by coal mining activity.	Low	See Coal Mining Risk Assessment (Ref: C3779/25E/8356)
Exposure to Radon	Operative End User	Yes – site currently indicated to be present in a radon affected area[17].	High	Between 3% and 5% of properties are affected. The publication BR211 states that basic protection measures are necessary.
Mining Instability	End User	Yes – in an area affected by coal mining activity.	Low	See Coal Mining Risk Assessment (Ref: C3779/25E/8356)
Unexploded Ordinance (UXO) Risk	Operative	Yes – the Mott Macdonald report indicates a high indicative UXO risk, based upon a detailed UXO risk assessment. Yes – the Zetica[18] online maps indicate that the site is at low risk from UXO.	High Low	This Site requires further action such that UXO risks are reduced to ALARP[19]. Unlikely to be affected by UXO.

Notes:

1. The above data and table is a qualitative assessment of the probable risks identified at this site, based on the information made available to us from the client, third party professional data and walkover survey.

2. Should any additional or new data come to light, the risk assessment should be revisited and any necessary changes made to any recommendations resulting from this study.

3. Where further testing is recommended as part of the risk assessment, this is in order to provide a quantitative assessment of any contamination issues. It should at all times be considered that uncertainties may remain, and therefore any testing regime and ground investigation philosophy should be ready to accommodate any necessary alterations should any data come to light or it become evident that it has not been previously considered.

[17] Radon interactive map [*online resource https://www.ukradon.org/radonmaps/*] It should be appreciated that radon maps are subject to change and are updated regularly.
[18] Pre-desk study assessment [*online resource from www.zeticauxo.com*].
[19] ALARP – As Low As Reasonably Practicable.

4. Intrusive Investigation

4.1 Site Investigation Philosophy

The information from the Phase 1 Desk Study shows that there are limited possible sources of contamination on the site and a pollution linkage is unlikely and would represent low levels of harm. This has been corroborated during a previous Phase 2 investigation undertaken by RGS (Ref: C3779/25/E/8356) In view of the above, it is not considered necessary to undertake any further intrusive *geo-environmental* investigation. It is recommended that a geotechnical ground investigation be completed in order to obtain geotechnical information, as this will facilitate the safe design of the foundations for the proposed development. This could comprise a series of windowless sample boreholes with adjacent dynamic probes.

It is also incumbent upon the developer to carefully inspect any exposed soil during the ground-works phase of the contract. Should any contamination become evident or organic made ground be revealed, it is recommended that a pragmatic approach be adopted, with observational techniques being employed at each stage of the work. In the unlikely event that contamination is revealed, work should stop in the affected areas and chemical testing be undertaken to evaluate the risk of harm to the receptors and soils should be obtained for chemical sampling. If the made ground at the site is thought to be localised to specific areas, then the targeted strategy should be used. It should be possible to carry out the above work with a windowless sampling drilling rig, however, it may be more pragmatic to employ hand-held digging tools for a targeted strategy implemented on soil samples. If required, chemical testing should be undertaken and the following standard testing regime should be employed.

- **Metals** – Cd, Cr, Cu, Hg, Ni, Pb, Zn, V.
- **Semi Metals and Non-Metals** – As, Se, Free Cyanide and Phenols.
- **Hydrocarbons –** Polycyclic aromatic hydrocarbons (PAH EPA16), Total petroleum hydrocarbons (TPH CWG).
- **Others** – pH, Organic Content.
- **Asbestos**

Gas Monitoring

Should a significant thickness of deleterious made ground be revealed, the final gas monitoring regime should be undertaken in accordance with Table 4.2 of CIRIA C665: 2007: *Assessing risks posed by hazardous ground gasses to buildings.* In that document guidance for the frequency of monitoring is provided on tables 5.5a and 5.5b *Typical/idealised frequency and period of monitoring* on page 60. For convenience, these tables have been combined and reproduced below.

Table 8: Typical/idealised Frequency and Period of Monitoring.

Sensitivity of development	Generation potential of source				
	Very low	Low	Moderate	High	Very High
Low (commercial)	**4/1**	**6/2**	**6/3**	**12/6**	**12/12**
Moderate (flats)	6/2	6/3	9/6	12/12	24/24
High (residential + gardens)	6/3	9/6	12/6	24/12	24/24

Notes:

a) The first number is the minimum number of readings and the second number is the minimum period in months, for example 4/1 – four sets of readings over 1 month.

b) At least two sets of readings must be at low and falling atmospheric pressure (but not restricted to periods below 1000mb) known as worst case conditions.

c) The frequency and period stated are considered to represent typical minimum requirements. Depending on specific circumstances fewer or additional readings may be required (e.g. any such variation subject to site specific justification). The NHBC guidance is also recommending these periods/frequencies of monitoring.

d) Historical data can be used as part of the data set.

e) Not all sites will require gas monitoring. However, this would need to be confirmed with demonstrable evidence.

f) Placing high sensitivity end use on a high hazard site is not normally acceptable unless the source is removed or treated to reduce its gassing potential. Under such circumstances long-term monitoring may not be appropriate or required.

g) This guidance should be read in conjunction with BS 8576:2013 figure 6 which may justify fewer readings in the first instance, where the generation potential is considered to be very low to low. However, this should be undertaken pragmatically, and further readings obtained according to the above table, where a potentially significant source is identified and initial readings suggest that remedial measures are not necessary.

4.1.1 Geotechnical Assessment

In addition to the above contamination assessment which is likely to be required by planning authorities and insurance providers, the following investigation strategy could be considered:

Sampling Method

It is anticipated that a windowless sampling drilling rig will be able to gain sufficient data in regard to the near surface soils. Moreover, such equipment should be able to undertake Standard Penetration Testing (SPT) and/or Dynamic Probing.

Soakaway Design

Should soakaway data be required for drainage design, trialpits could be excavated and infiltration tests conducted. Alternatively, these tests could be undertaken within boreholes.

Geotechnical Testing

An allowance for geotechnical testing of the soils should be included in any ground investigation.

4.1.2 Reporting

The above data will need to be formulated into a formal assessment that should include the following:

- Geotechnical recommendations.
- Contamination assessment, if required.
- Contamination remediation strategy, if required.
- Any recommendations for further work, if required and including validation reports where site remediation is necessary.

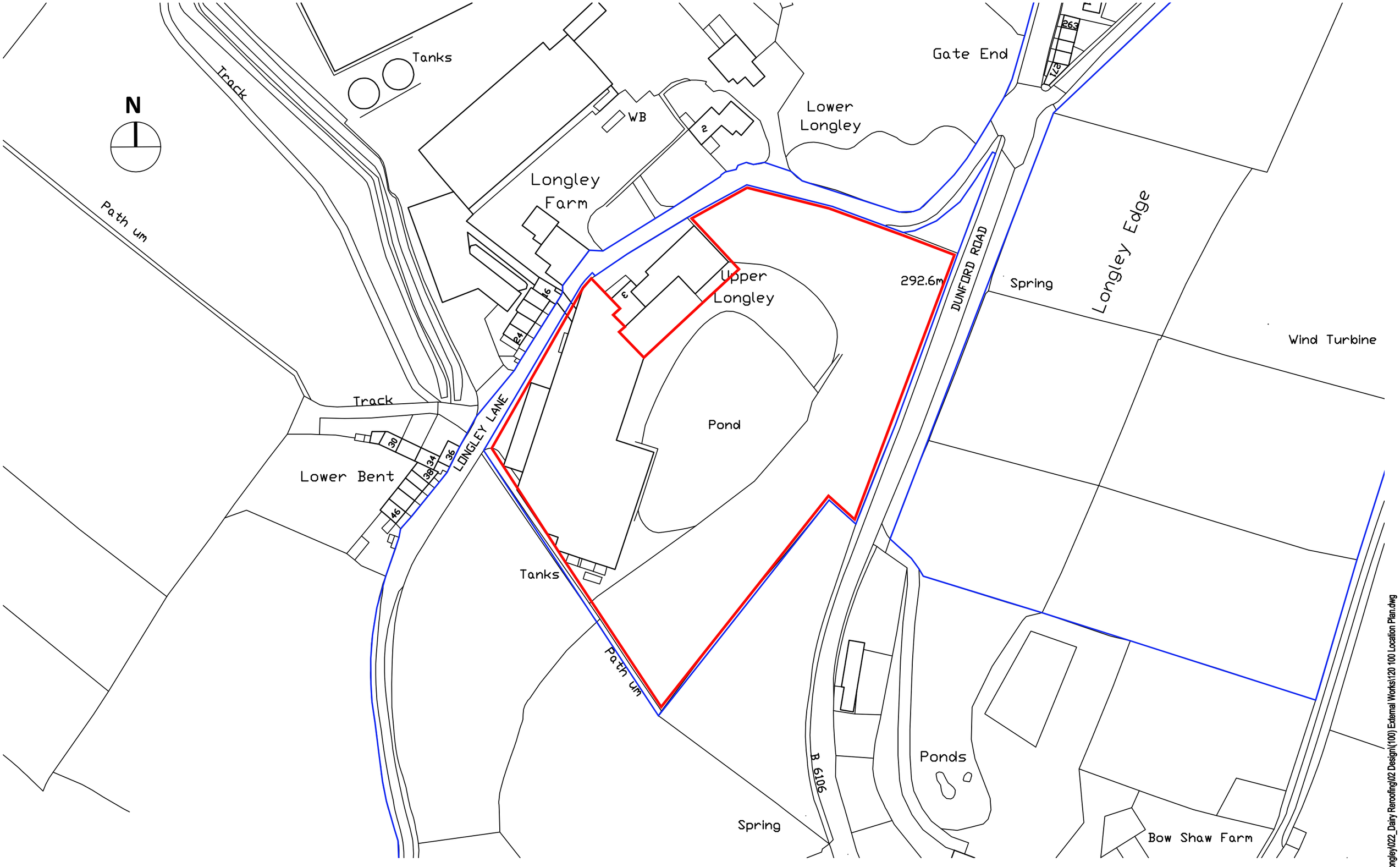
As soon is as practicable, and prior to the above, this Phase 1 report should be forwarded to the relevant authorities, in order to ensure they have sufficient time to review and discuss any issues.

5. References

- British Standards Institution (2015), BS5930 2015 + A1:2020: *Code of practice for site investigations*, B.S.I., London.
- British Standards Institution (2007), Amendment No 1 to BS5930: *Code of practice for ground investigations*, B.S.I., London.
- British Standards Institution (2011) +A2:2017, BS 10175: *Investigation of potentially contaminated sites – Code of Practice,* British Standards Institute.
- British Standards Institution (2013), BS 8576 Guidance on Investigations for Ground Gas – Permanent Gases and Volatile Organic Compounds.
- Department for Environment, Food and Rural Affairs and the Environment Agency, DEFRA R&D Publications, Environment Agency, Bristol.
- CLR 2, 1994, *Guidance on preliminary site inspection of contaminated land*, Volume 1.
- CLR 4, 1994, *Sampling Strategies for contaminated land*.
- R&D Publication 66: 2008 Guidance for the Safe Development of Housing on Land Affected by Contamination.
- CIRIA Report C665 (2007), Assessing risks posed by ground gasses in buildings.
- The Environment Agency: Groundwater source protection.

Appendix 1

Site Plans



Construction staff and operatives must ensure the principal contractor has provided thorough and accurate information on all health and safety aspects relating to the designs identified on this drawing including the review of:

- Designers/contractors risk assessments
- Method statements
- Permit to work
- Pre construction information

The designers note that the following health and safety risks relating to this drawing have not been eliminated during the design process:

	revision	date	by	chk
.	.	.		

holmearchitecture
17a Chapelgate · Scholes · Holmfirth · HD9 1SX
matt@holmearchitecture.com | www.holmearchitecture.com | 07975977532

drawn by	checked by	date	scale @ A3
dwn	chk	31.01.18	1:500

LONGLEY FARM
Cottage Cheese Extension and Dairy Reroofing

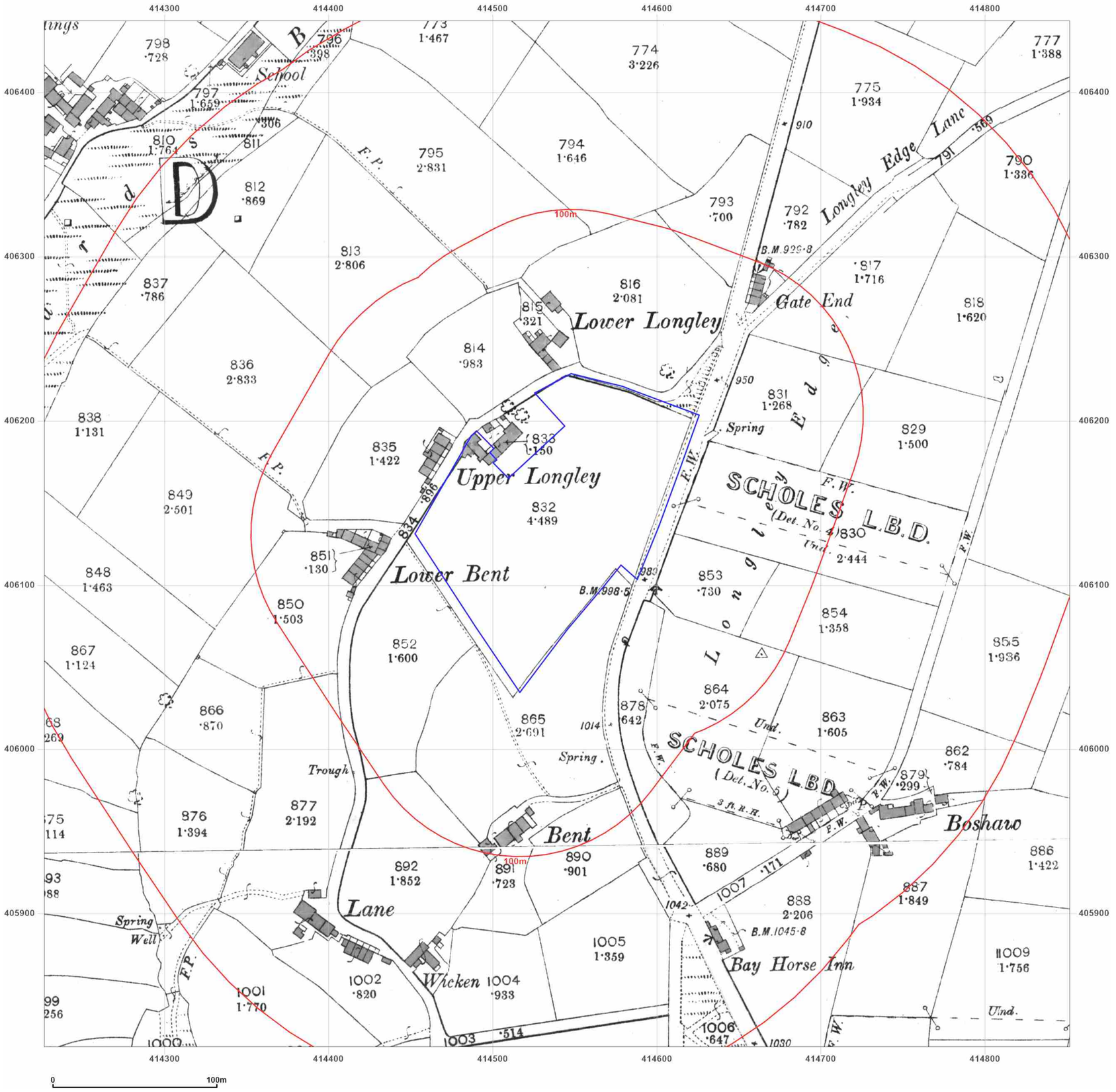
LOCATION PLAN

project number	drawing number	revision
120	100	

cad reference: D:\02 Projects\Longley\022_Dairy Reroofing\02 Design\(100) External Works\120 100 Location Plan.dwg

Appendix 2

Historical Maps



Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: County Series

Map date: **1892-1893**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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Revised 1893
Edition N/A
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Revised 1892
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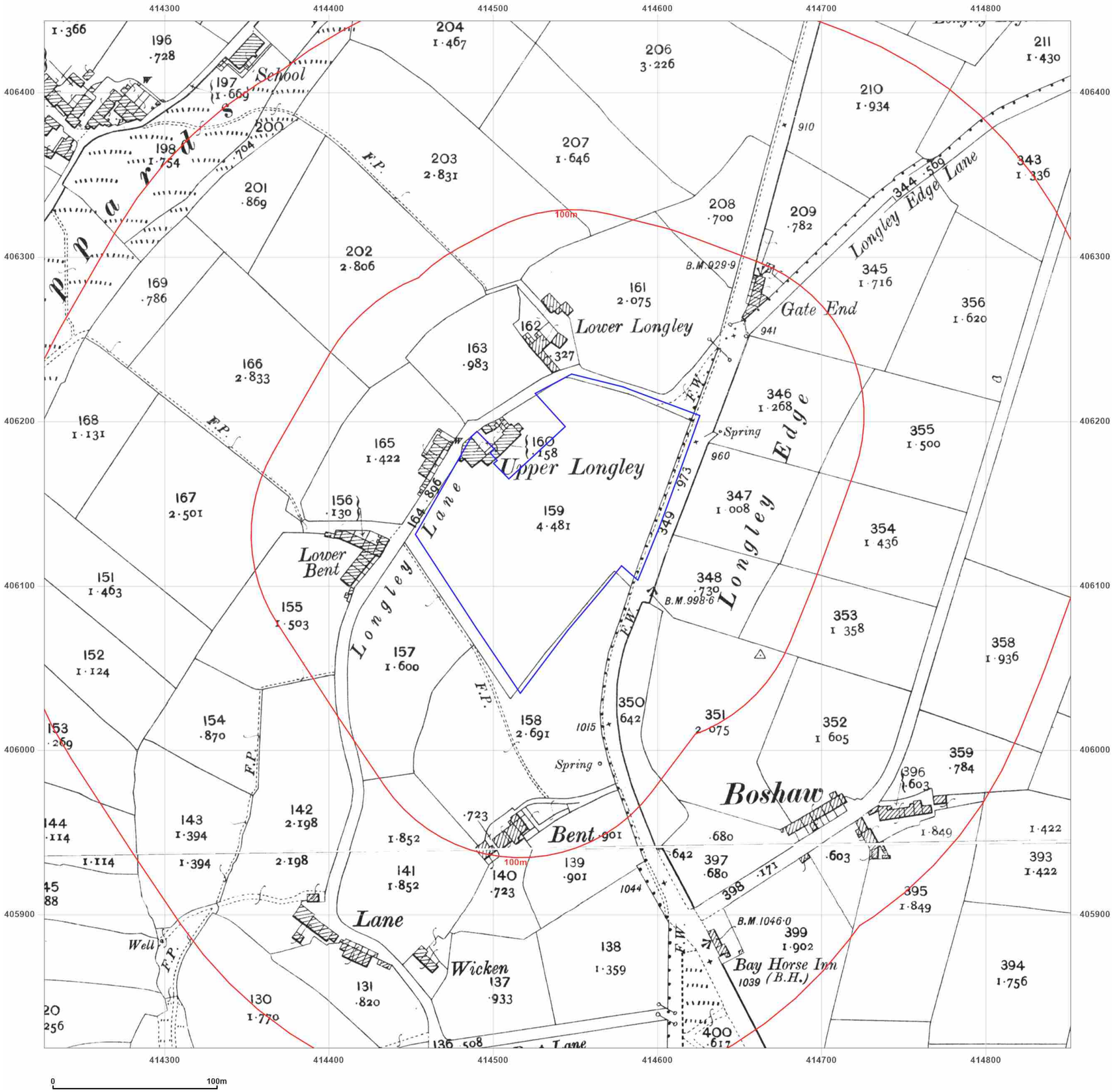

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: County Series
Map date: **1905-1906**
Scale: 1:2,500
Printed at: 1:2,500

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

Surveyed 1906
Revised 1906
Edition N/A
Copyright N/A
Levelled N/A

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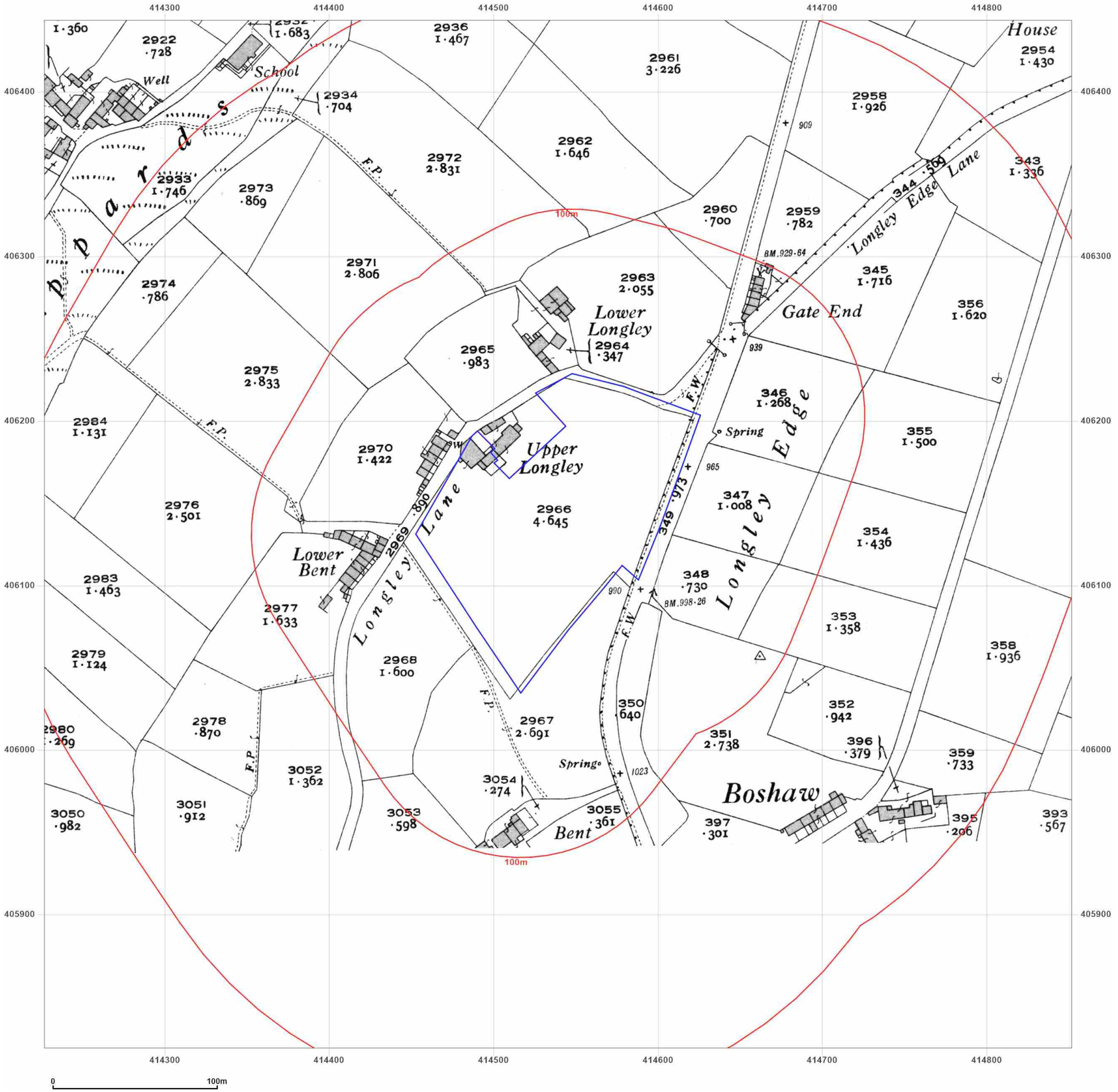

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: County Series

Map date: **1930**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1930
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A

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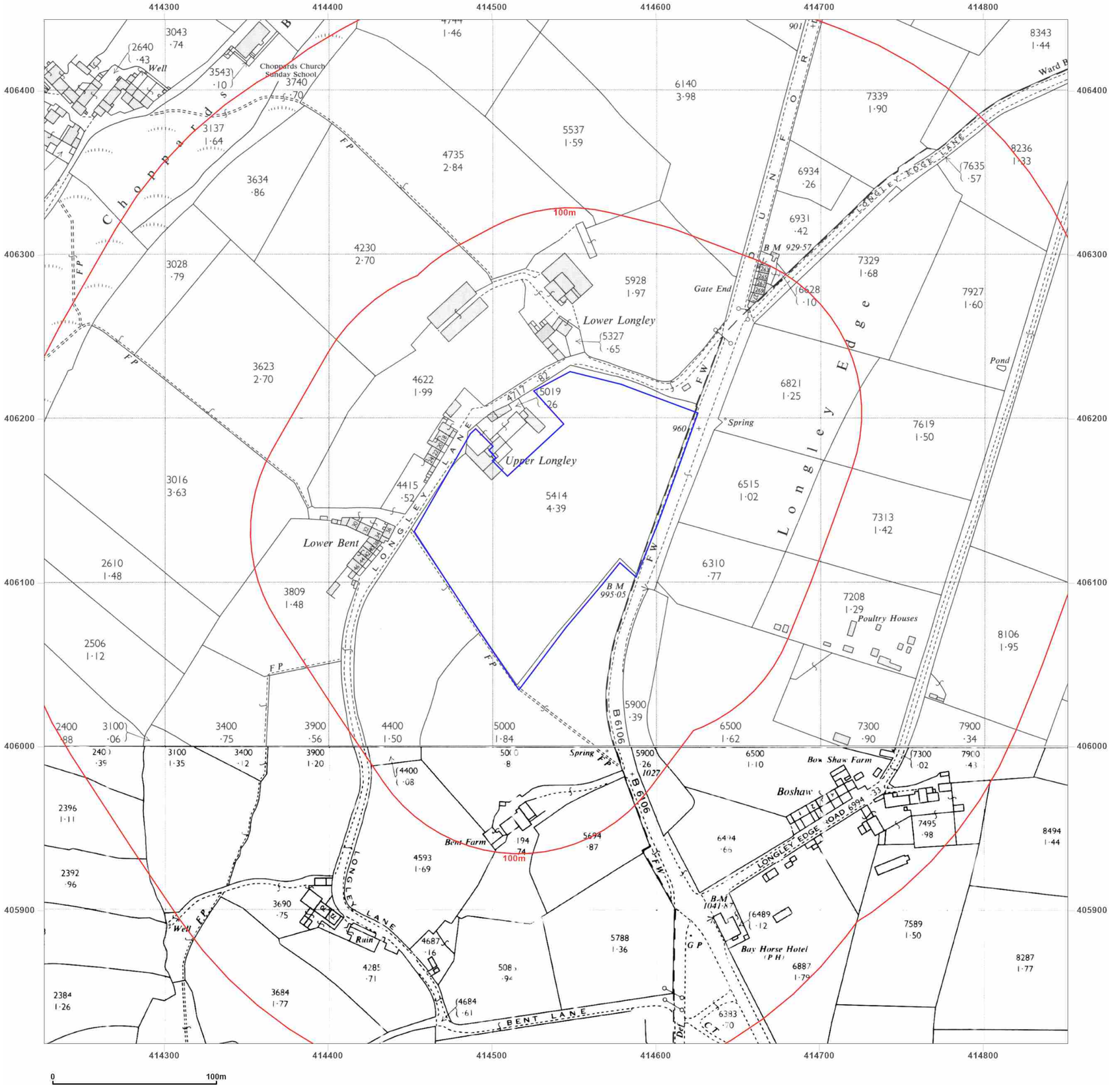

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: National Grid

Map date: **1964**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1963
Revised 1963
Edition N/A
Copyright 1964
Levelled 1959

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

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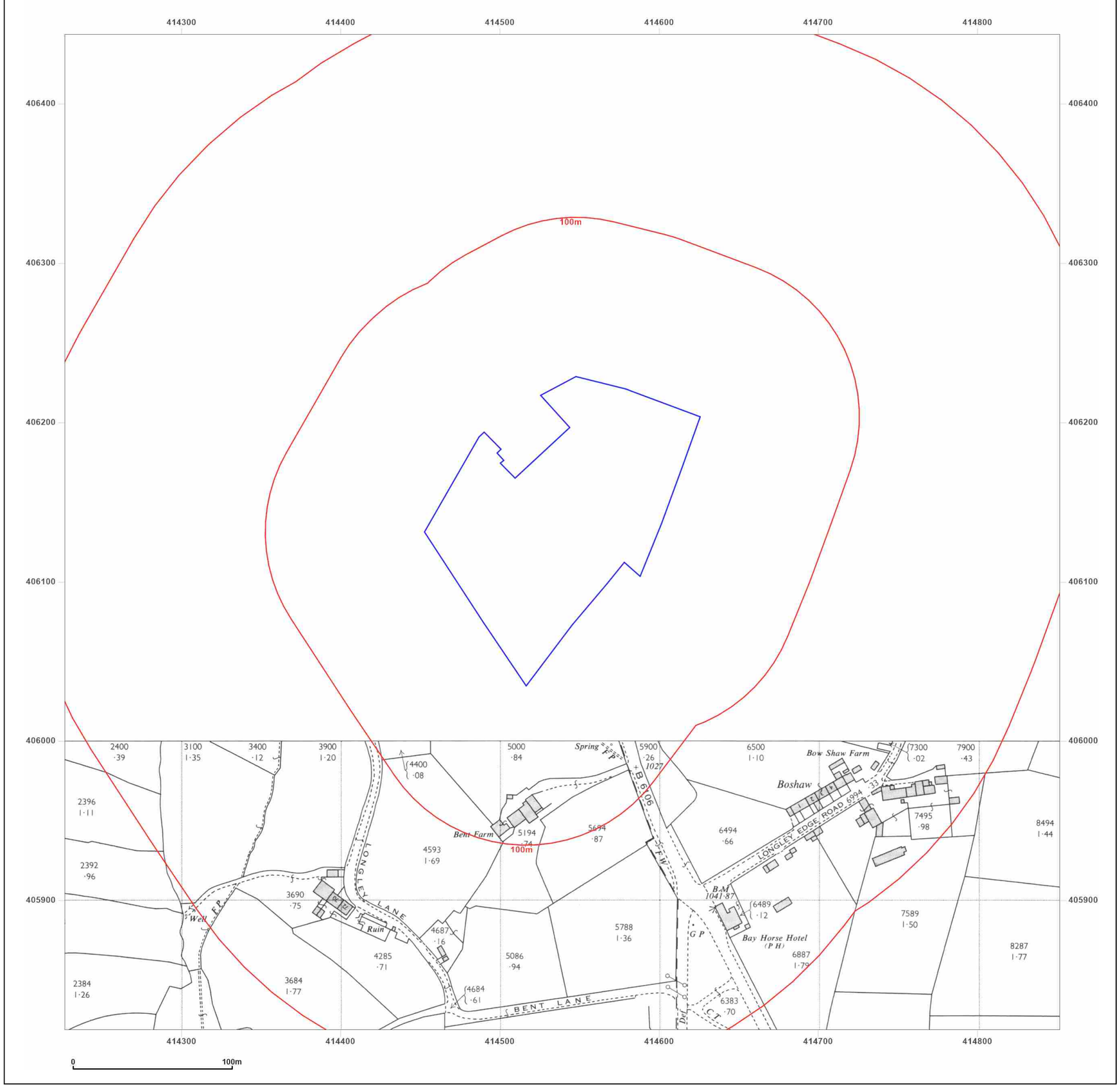

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: National Grid

Map date: **1964**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1962
Revised 1962
Edition N/A
Copyright 1964
Levelled 1958

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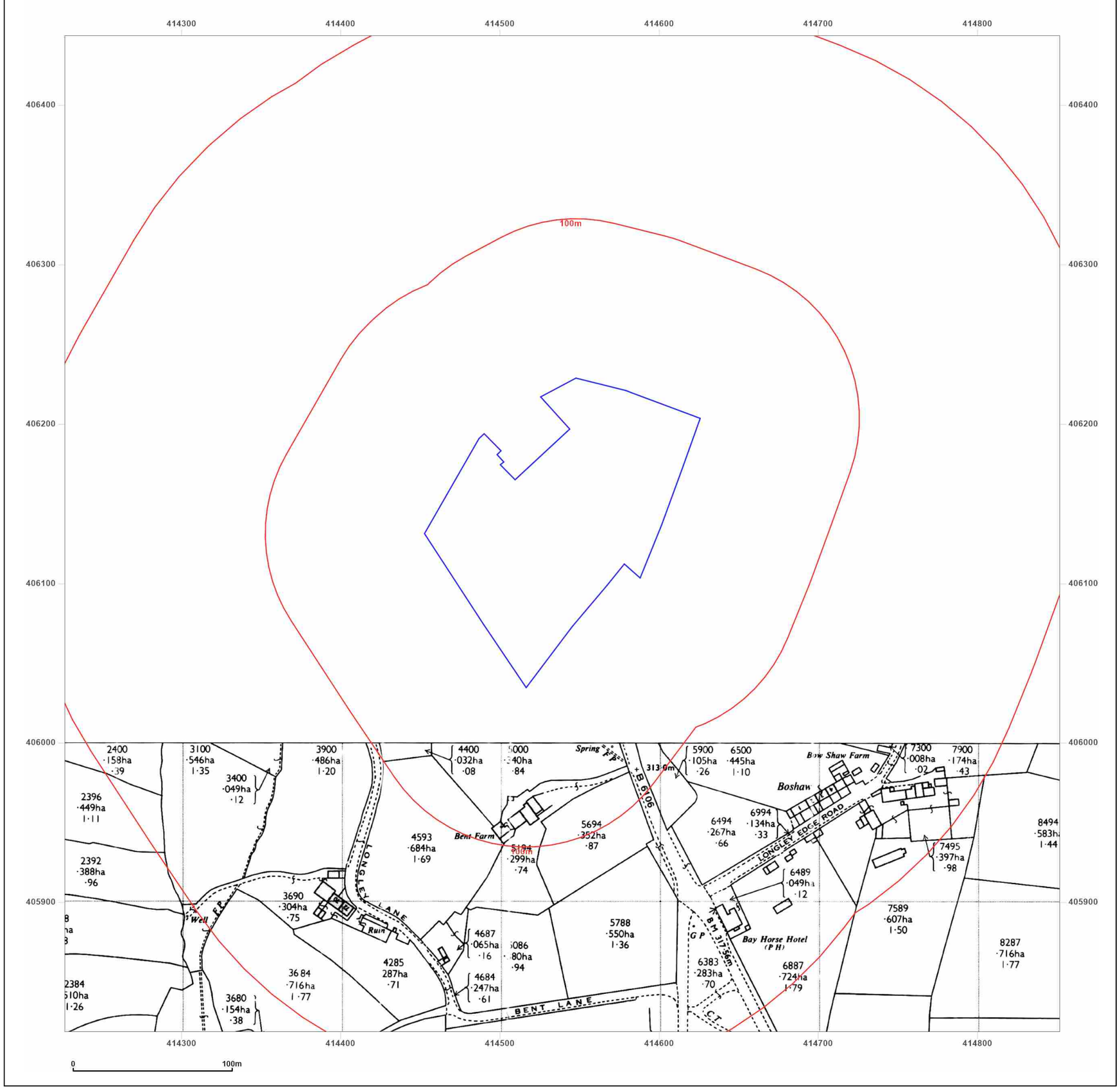

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: National Grid

Map date: **1975**

Scale: 1:2,500

Printed at: 1:2,500

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

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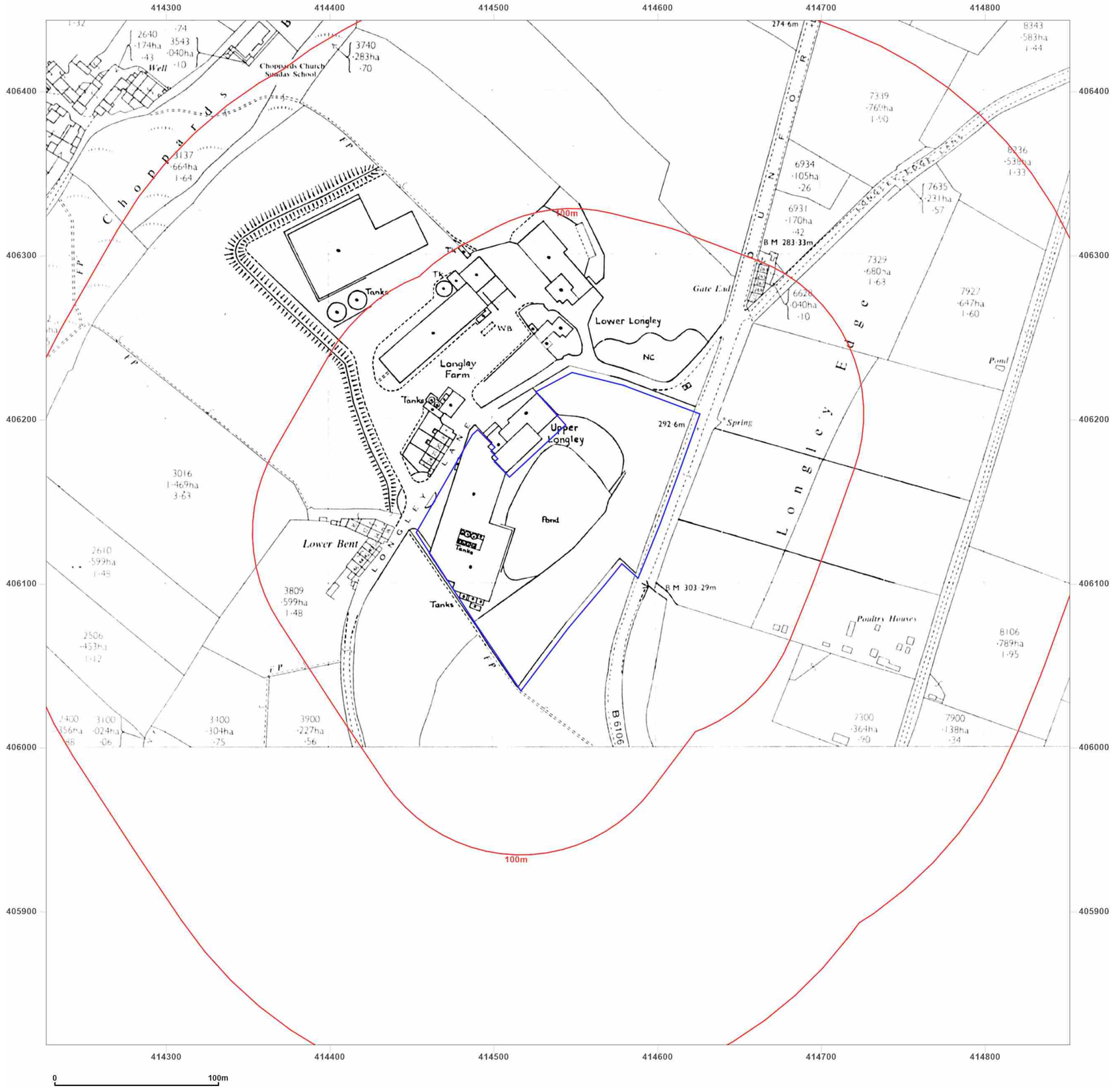

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: National Grid

Map date: **1981**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1959
Revised 1981
Edition N/A
Copyright 1981
Levelled 1959

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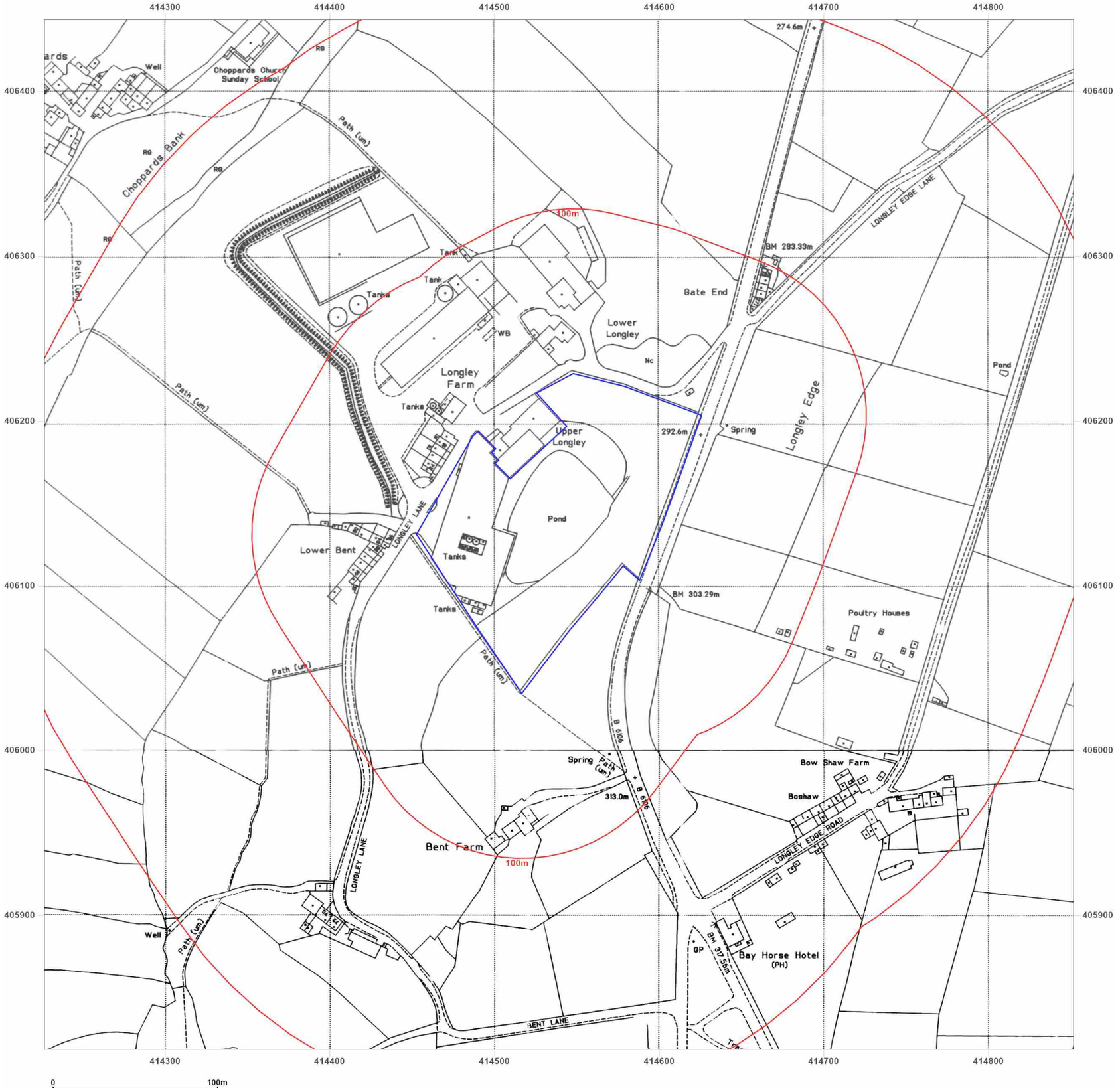

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: National Grid

Map date: **1995**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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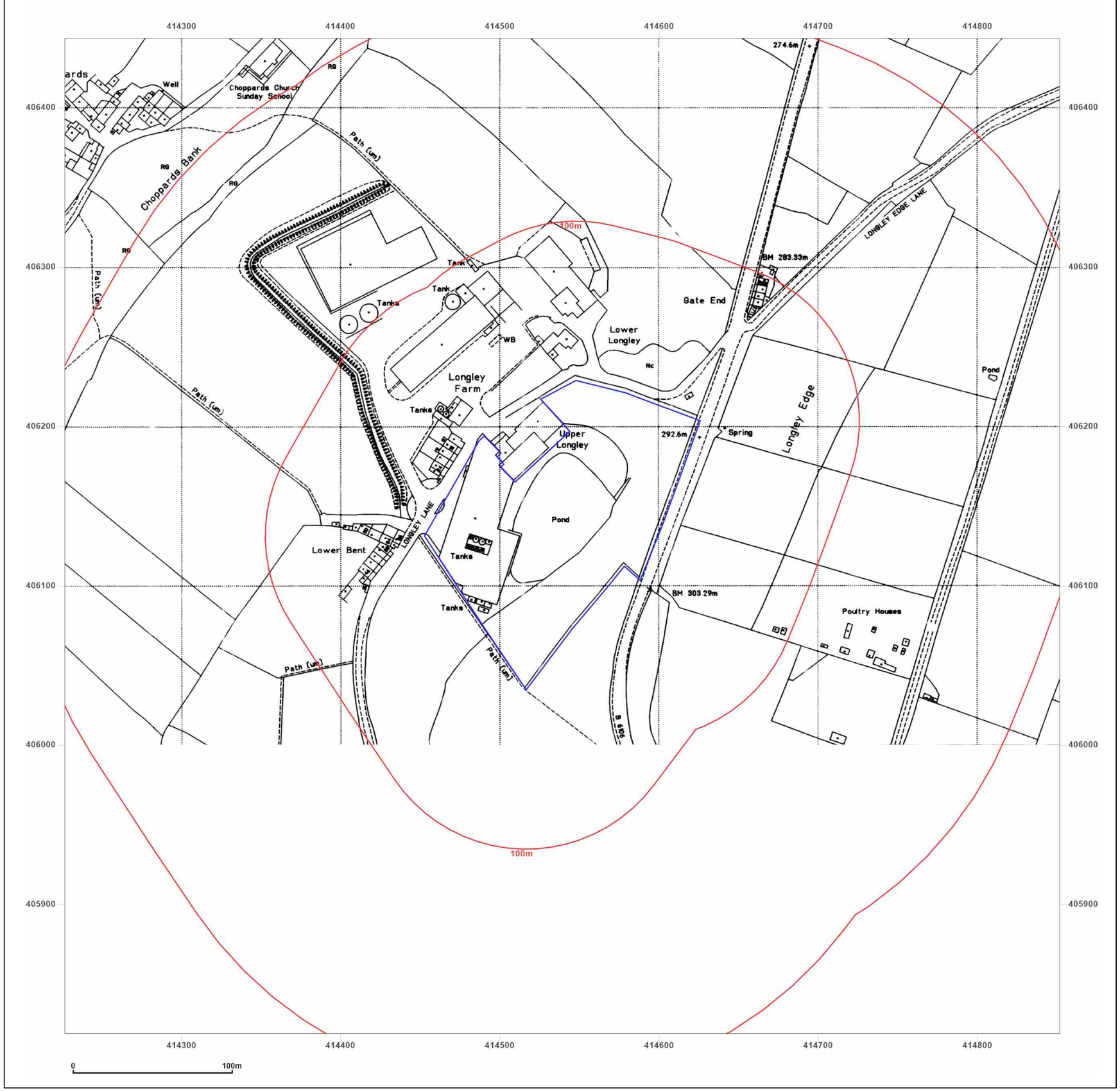

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: National Grid

Map date: **1995**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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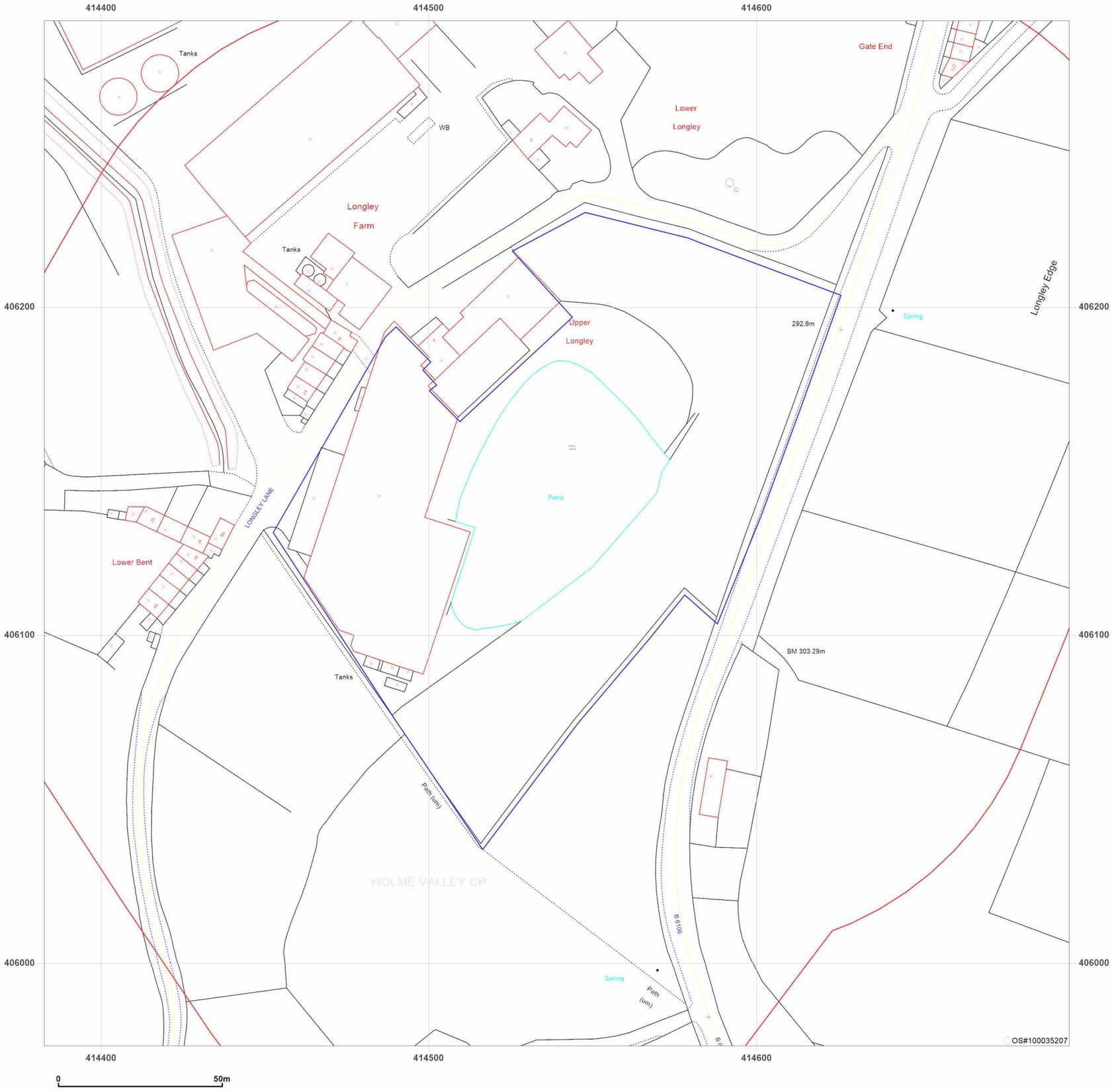

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

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

N
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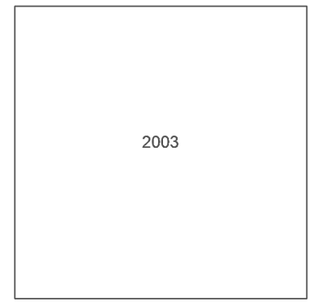

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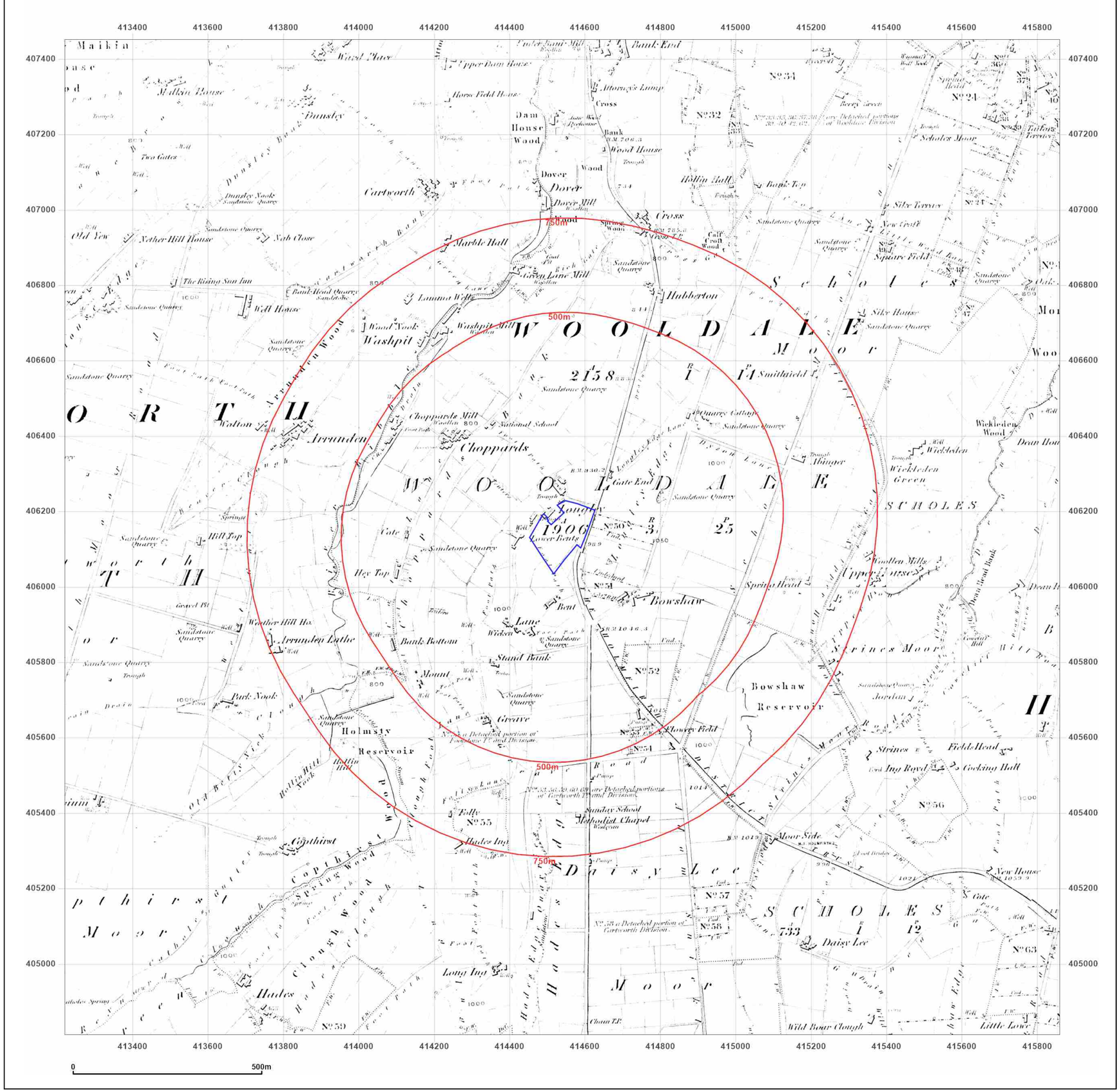

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: County Series

Map date: **1854**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1854
Revised N/A
Edition 1854
Copyright N/A
Levelled N/A

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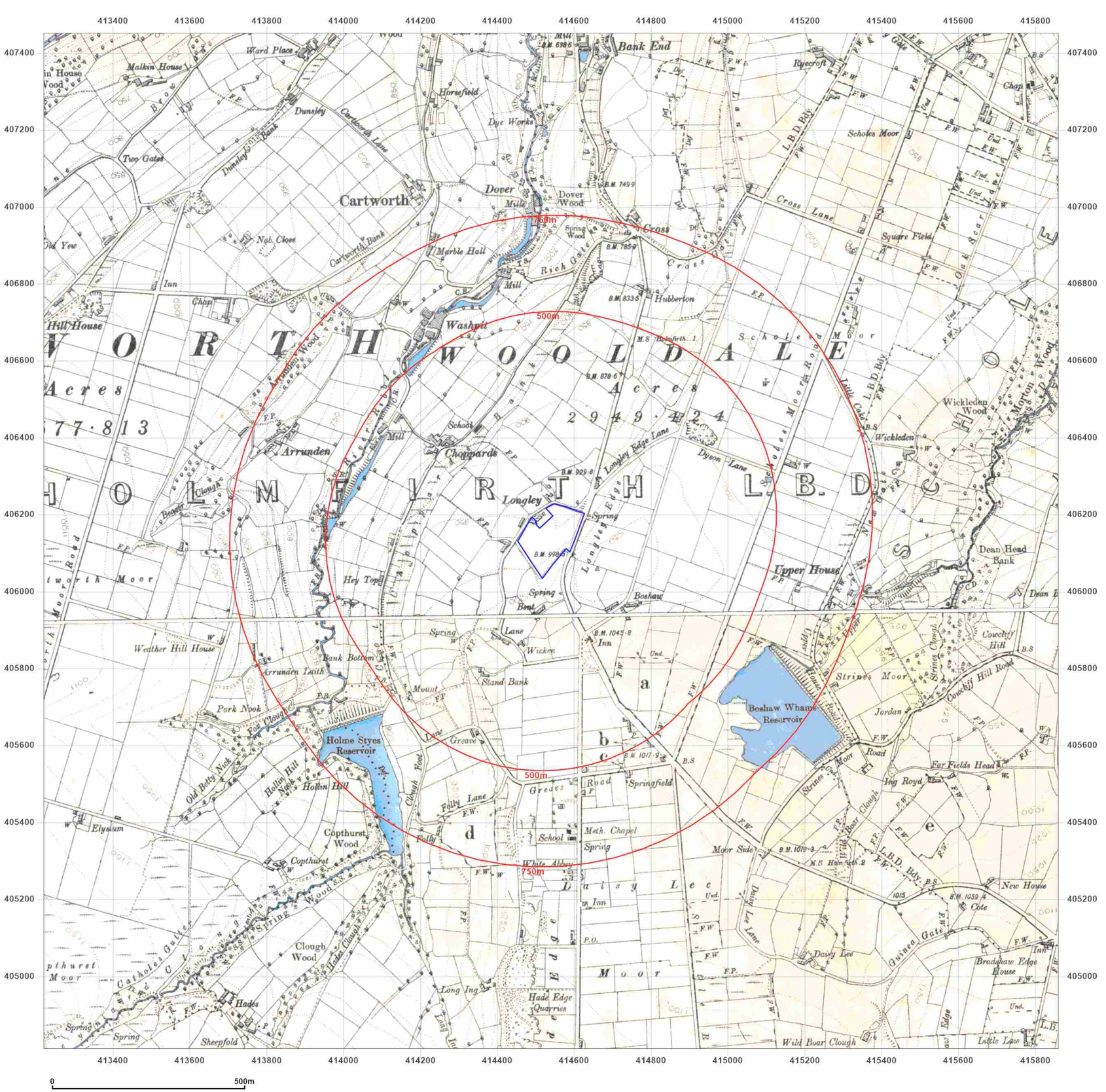

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: County Series

Map date: **1888**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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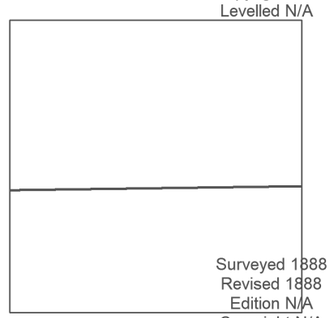
Surveyed 1888
Revised 1888
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1888
Revised 1888
Edition N/A
Copyright N/A
Levelled N/A

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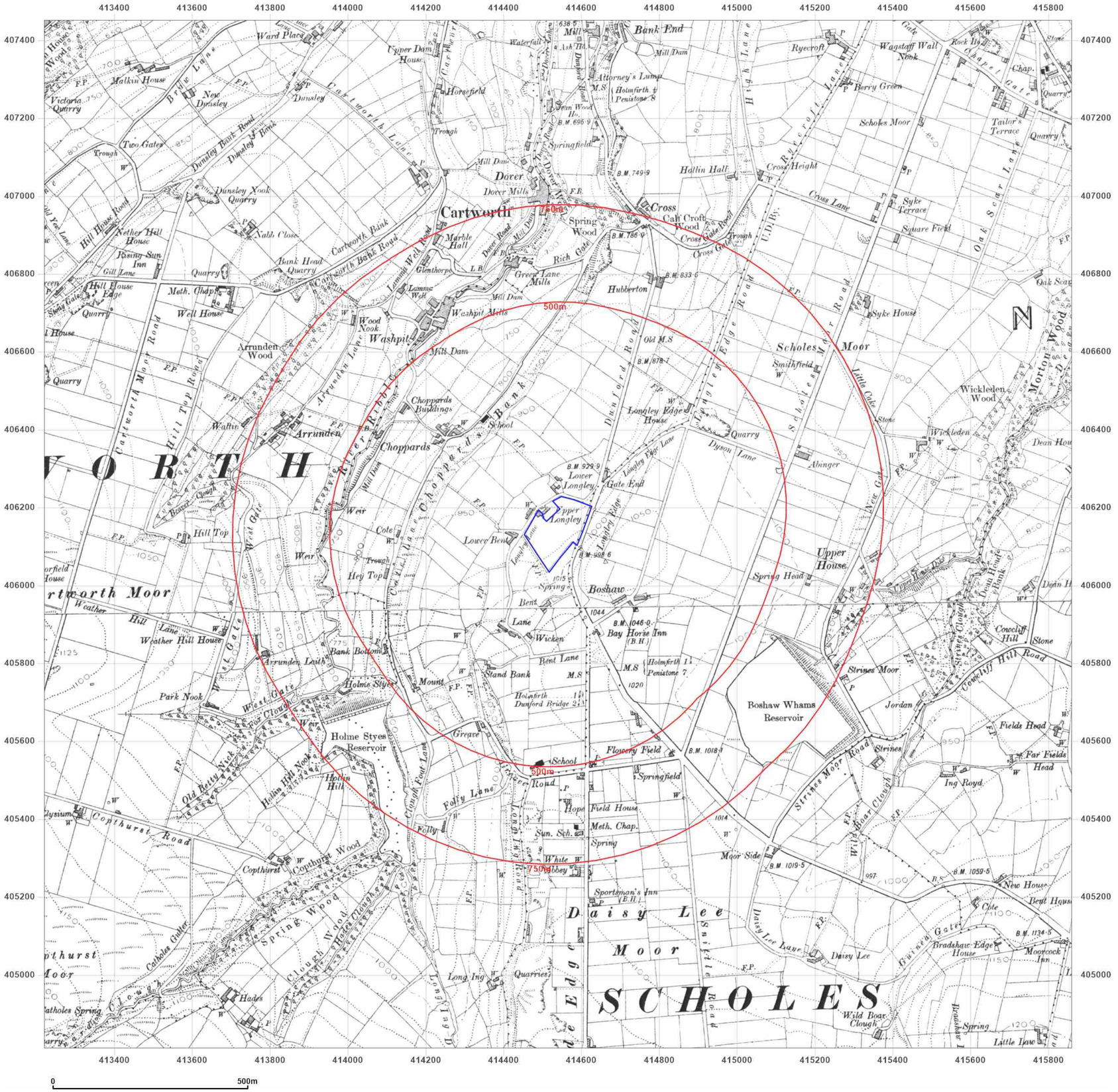

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: County Series

Map date: **1904-1906**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1888
Revised 1904
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1888
Revised 1906
Edition 1906
Copyright N/A
Levelled N/A

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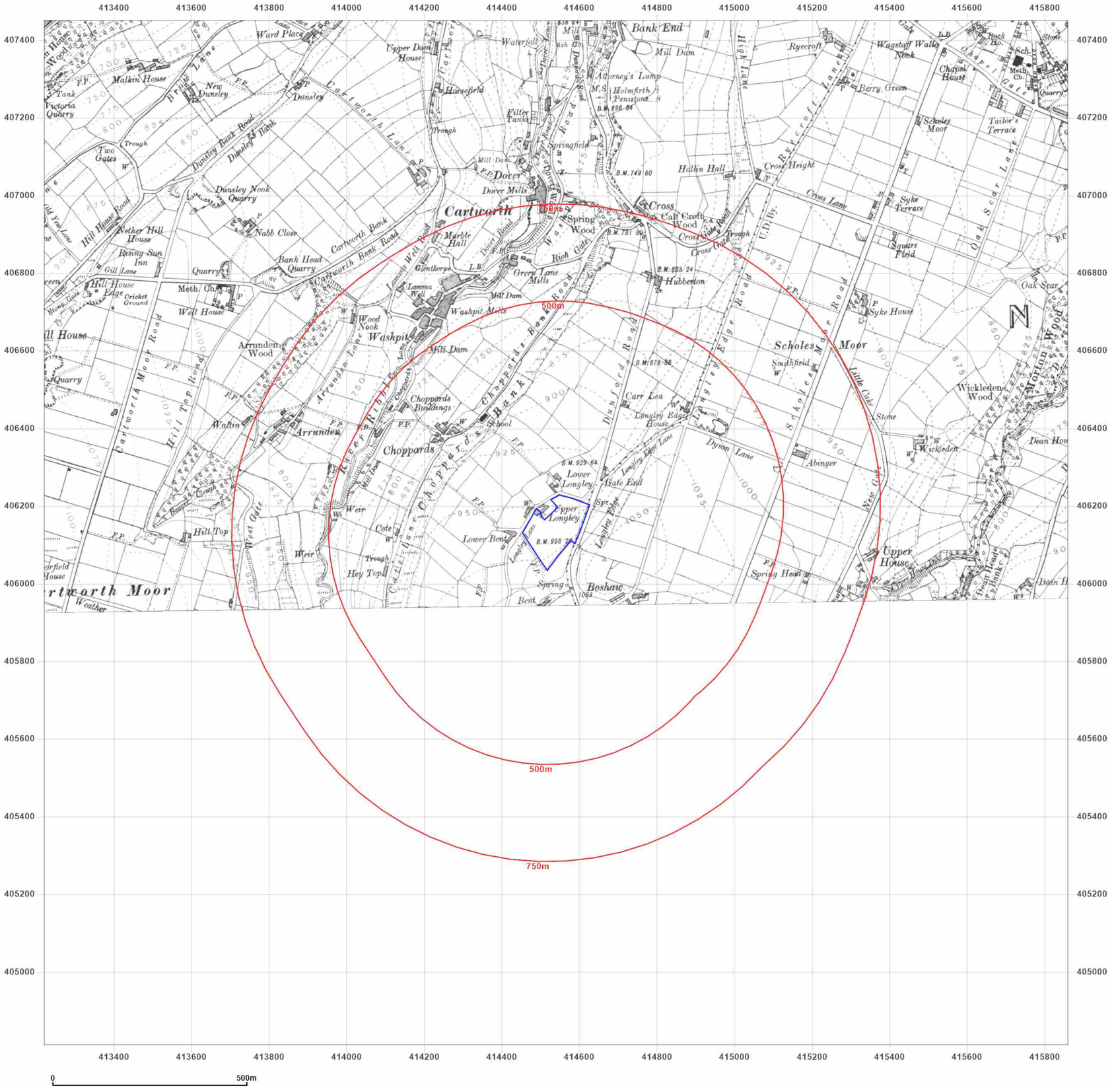

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: County Series

Map date: **1933**

Scale: 1:10,560

Printed at: 1:10,560

N
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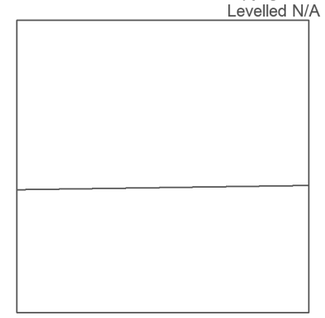
Surveyed 1851
Revised 1933
Edition 1933
Copyright N/A
Levelled N/A



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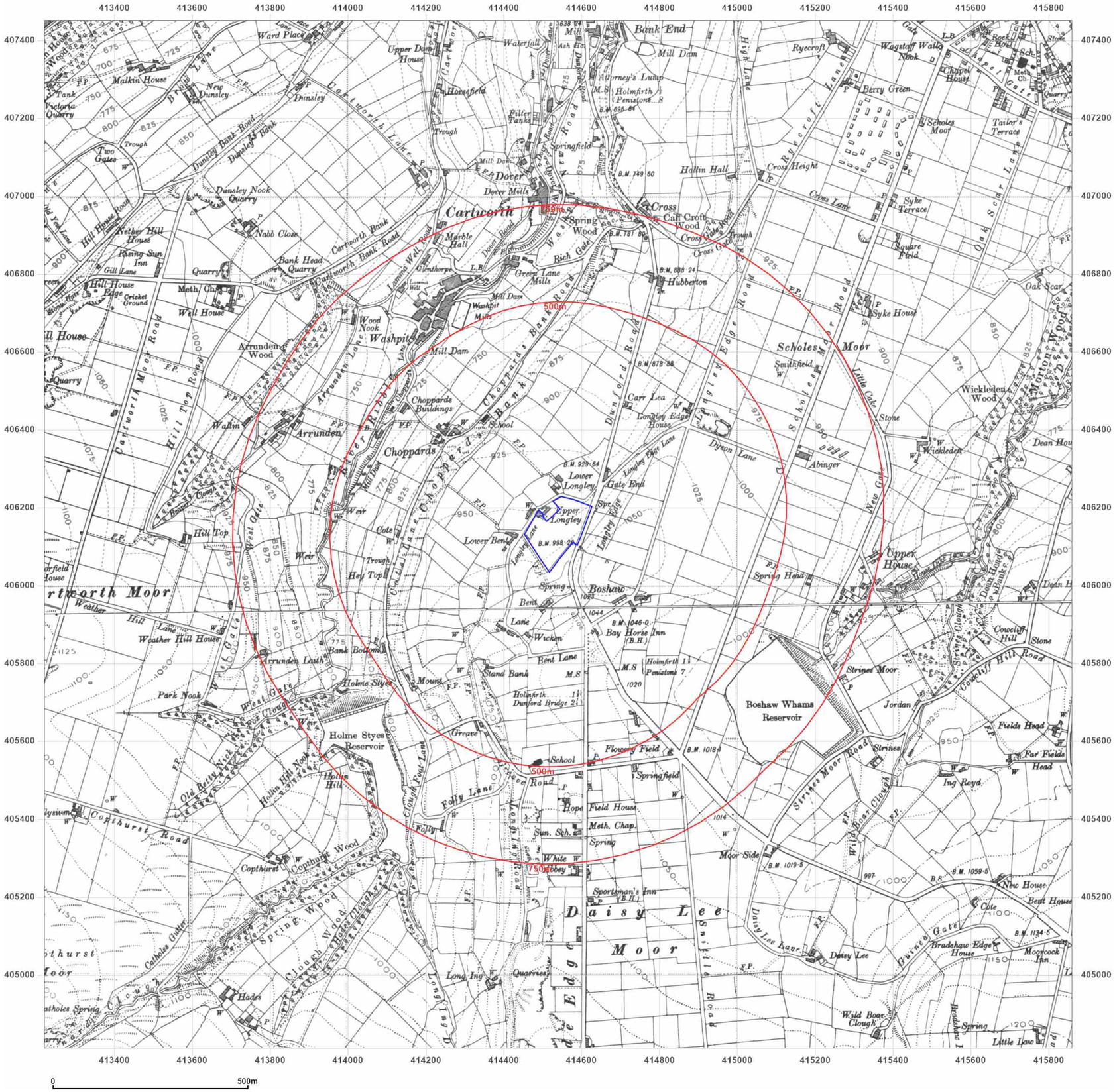

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: County Series

Map date: **1948**

Scale: 1:10,560

Printed at: 1:10,560

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

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

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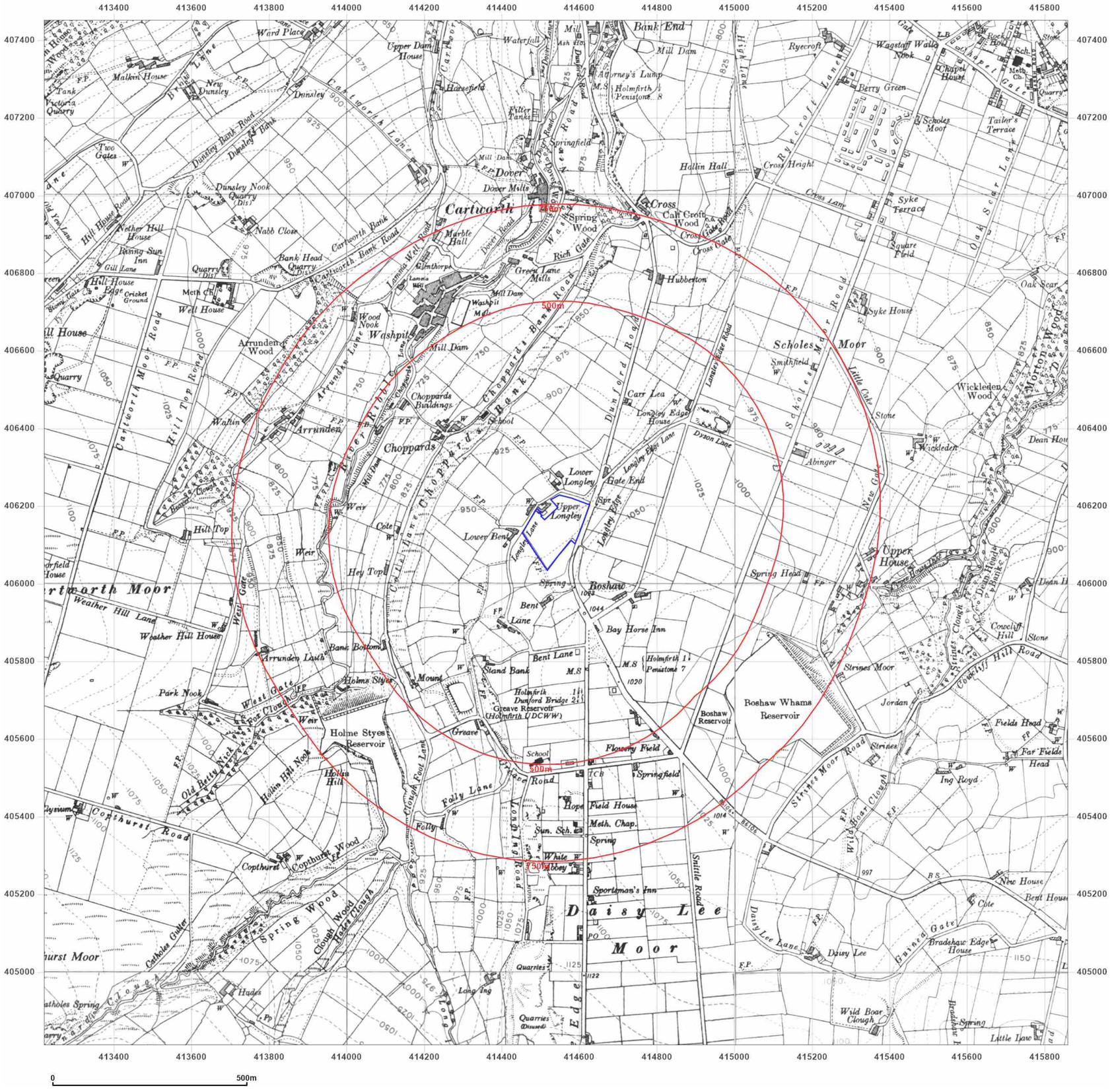

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: Provisional

Map date: **1951-1955**

Scale: 1:10,560

Printed at: 1:10,560

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

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

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

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

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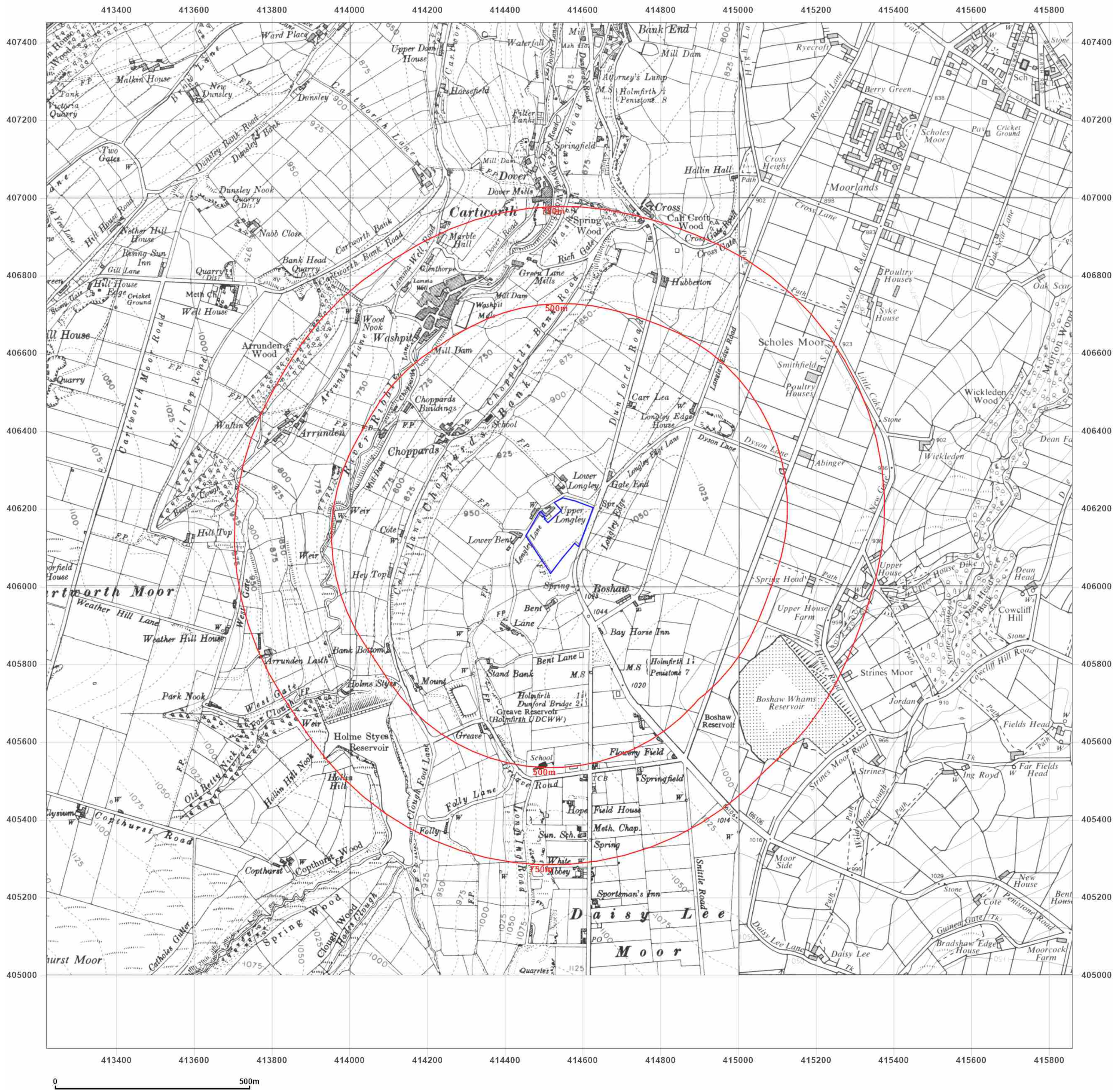

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: Provisional

Map date: **1965-1970**

Scale: 1:10,560

Printed at: 1:10,560

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

Surveyed 1968
Revised 1970
Edition N/A
Copyright N/A
Levelled N/A

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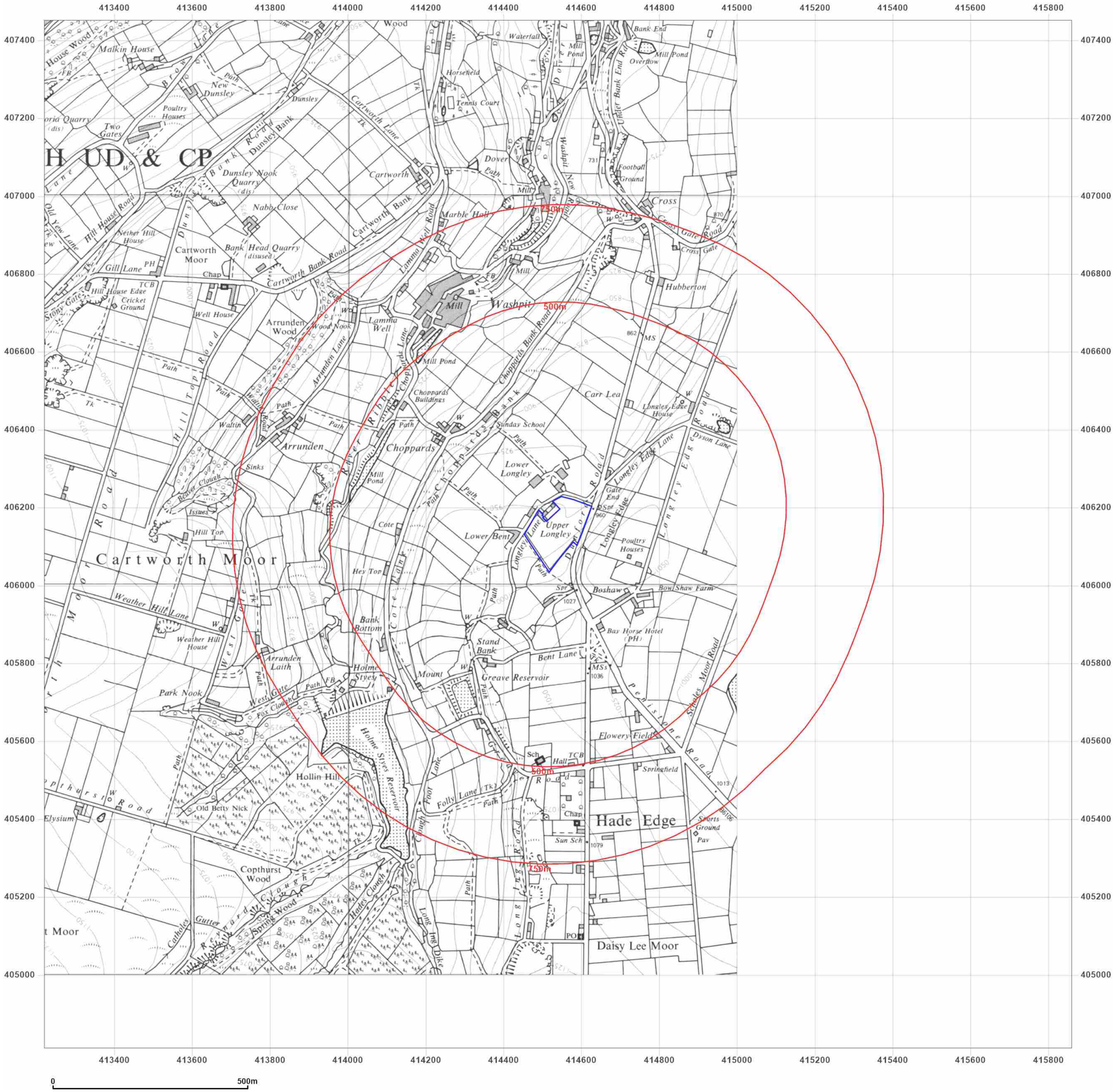
Production date: 25 September 2025

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



Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: Provisional

Map date: **1970**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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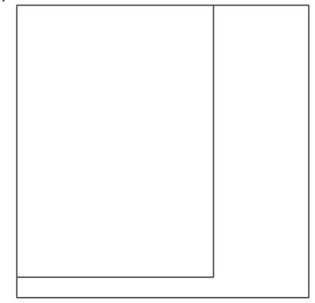
Surveyed 1969
Revised 1970
Edition N/A
Copyright N/A
Levelled N/A



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Production date: 25 September 2025

Map legend available at:
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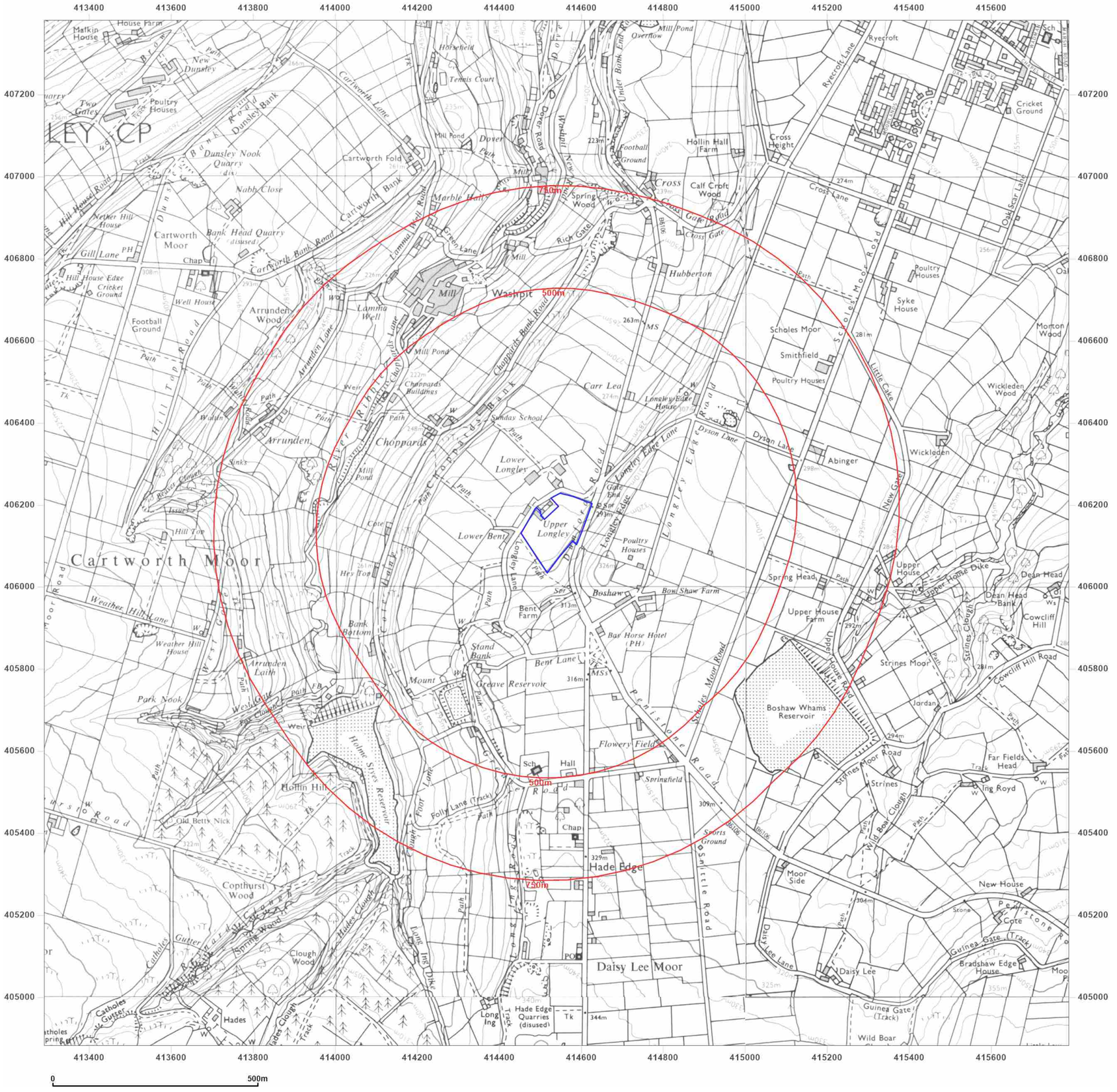

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: National Grid

Map date: **1979-1980**

Scale: 1:10,000

Printed at: 1:10,000

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Surveyed 1978
Revised 1980
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1976
Revised 1980
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1978
Revised 1979
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1979
Revised 1979
Edition N/A
Copyright N/A
Levelled N/A

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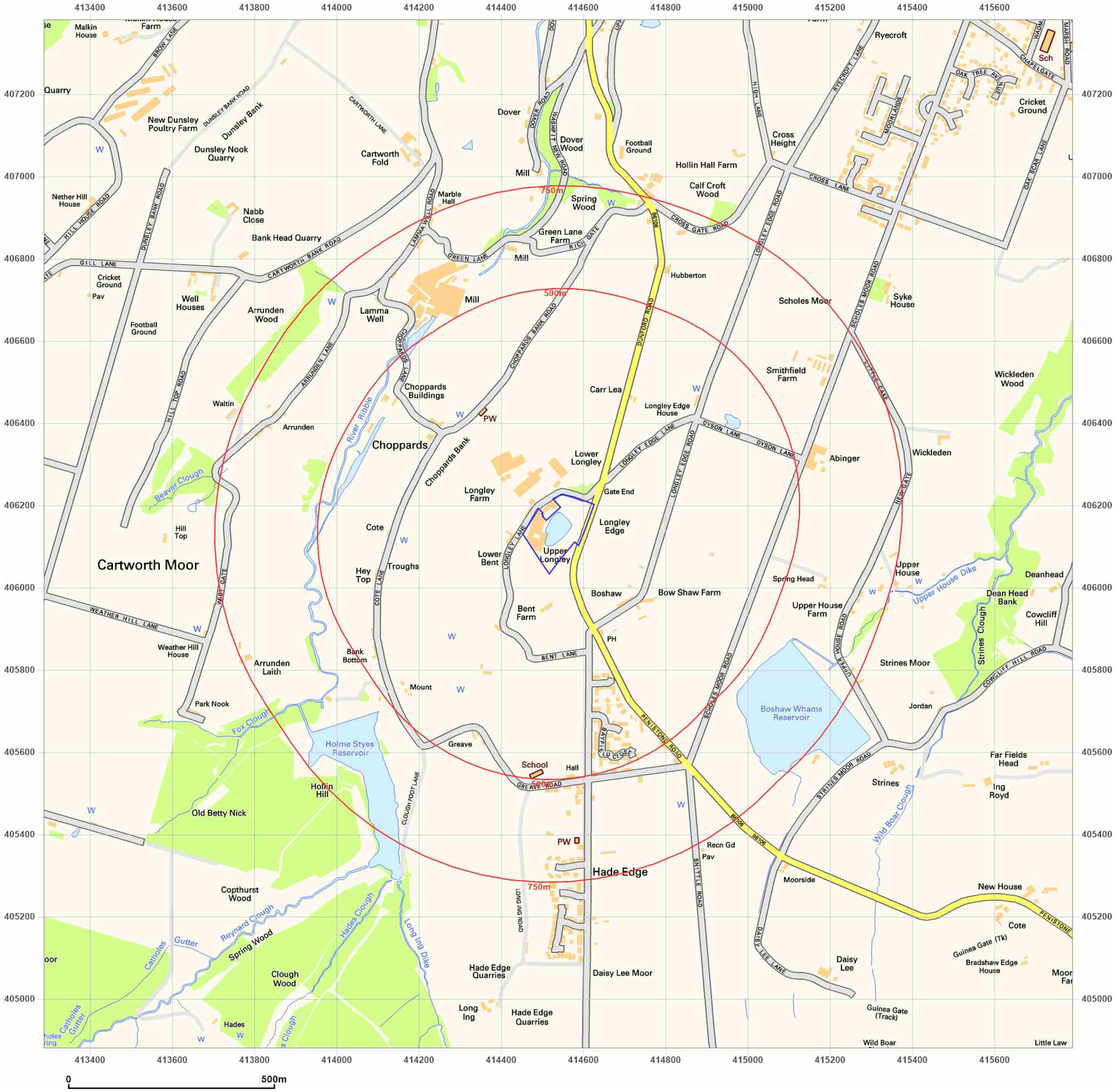

Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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2001

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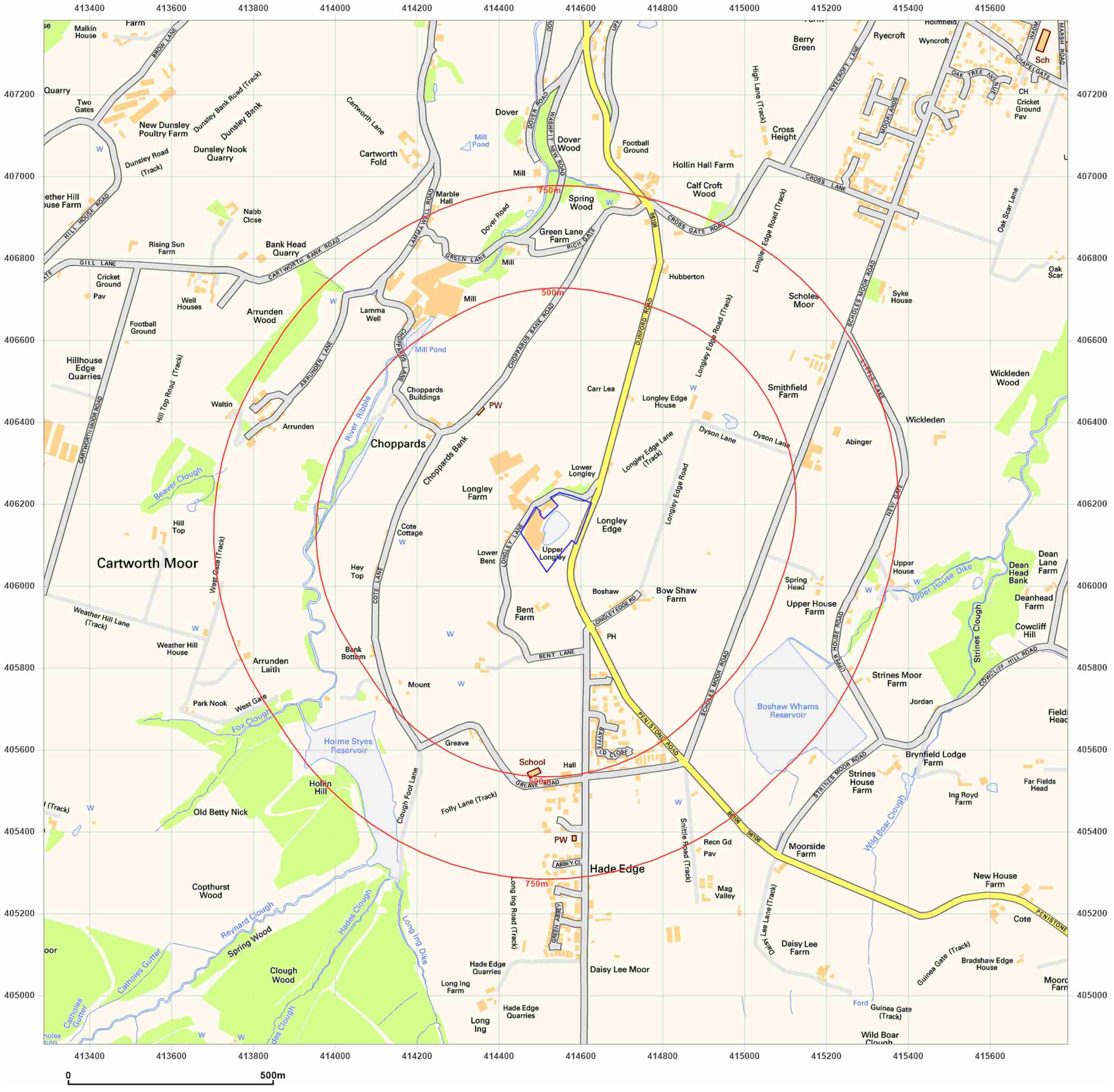
Production date: 25 September 2025

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



Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
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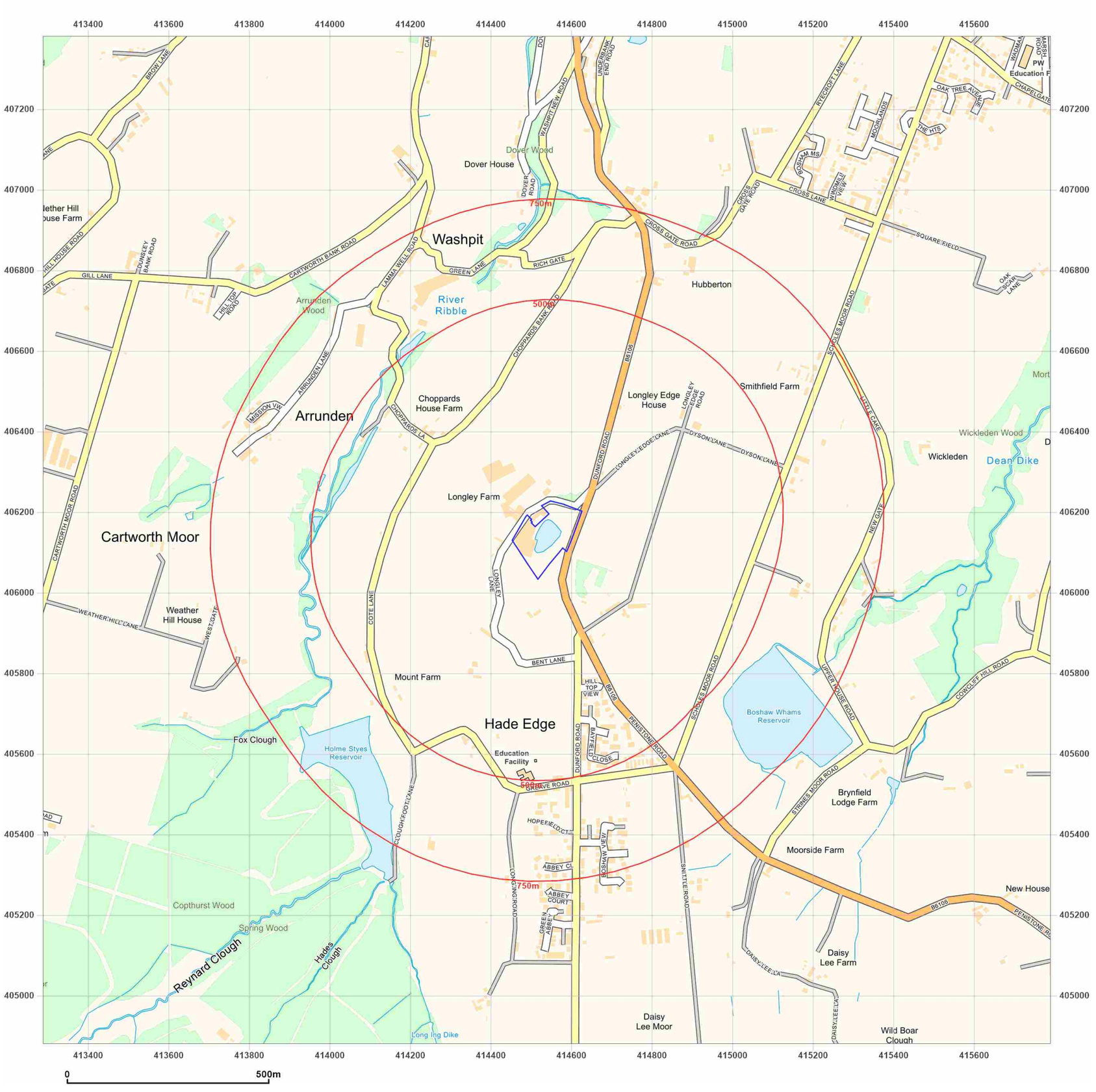
2010

Powered by OS

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

Production date: 25 September 2025

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



Groundsure INSIGHTS

Site Details:

Longley Farm, LONGLEY,
LONGLEY LANE, HOLMFIRTH,
KIRKLEES, HD9 2JD

Client Ref: C/3779/23/E/5901 - PO-3552
Report Ref: GS-ETW-8FT-26W-3P2
Grid Ref: 414539, 406131

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

N
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2025

Powered by OS

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

Production date: 25 September 2025

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

Appendix 3

Groundsure Reports

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

Longley Farm, LONGLEY, LONGLEY LANE, HOLMFIRTH, KIRKLEES, HD9 2JD

Order Details

Date: 25/09/2025

Your ref: C/3779/23/E/5901 - PO-3552

Our Ref: GS-UJX-6F1-82T-S4U

Site Details

Location: 414538 406141

Area: 1.74 ha

Authority: Kirklees Council ↗

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
15 >	1.1 >	Historical industrial land uses >	0	0	2	24	-
17 >	1.2 >	Historical tanks >	4	1	5	0	-
17	1.3	Historical energy features	0	0	0	0	-
18	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	0	0	-
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	2	29	-
21 >	2.2 >	Historical tanks >	7	3	9	0	-
22	2.3	Historical energy features	0	0	0	0	-
22	2.4	Historical petrol stations	0	0	0	0	-
22	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
23	3.1	Active or recent landfill	0	0	0	0	-
23	3.2	Historical landfill (BGS records)	0	0	0	0	-
24	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
24	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
24	3.5	Historical waste sites	0	0	0	0	-
24	3.6	Licensed waste sites	0	0	0	0	-
24 >	3.7 >	Waste exemptions >	0	0	0	2	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
26 >	4.1 >	Recent industrial land uses >	1	0	4	-	-
27 >	4.2 >	National Geographic Database (NGD) - Current or recent tanks >	2	0	2	-	-
27	4.3	Current or recent petrol stations	0	0	0	0	-
28	4.4	Electricity cables	0	0	0	0	-
28	4.5	Gas pipelines	0	0	0	0	-

28	4.6	Sites determined as Contaminated Land	0	0	0	0	-
28	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
28	4.8	Regulated explosive sites	0	0	0	0	-
29	4.9	Hazardous substance storage/usage	0	0	0	0	-
29	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
29 >	**4.11 >**	**Licensed industrial activities (Part A(1)) >**	0	4	0	0	-
30	4.12	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
30	4.13	Radioactive Substance Authorisations	0	0	0	0	-
30	4.14	Licensed Discharges to controlled waters	0	0	0	0	-
30	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
31	4.16	Pollutant release to public sewer	0	0	0	0	-
31	4.17	List 1 Dangerous Substances	0	0	0	0	-
31	4.18	List 2 Dangerous Substances	0	0	0	0	-
31 >	**4.19 >**	**Pollution Incidents (EA/NRW) >**	0	0	1	0	-
32	4.20	Pollution inventory substances	0	0	0	0	-
32	4.21	Pollution inventory waste transfers	0	0	0	0	-
32	4.22	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
33 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
34 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
36 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
37	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
37	5.5	Groundwater vulnerability- local information	None (within 0m)				
38 >	**5.6 >**	**Groundwater abstractions >**	0	2	2	0	23
44 >	**5.7 >**	**Surface water abstractions >**	0	0	0	2	10
47 >	**5.8 >**	**Potable abstractions >**	0	0	0	0	2
48	5.9	Source Protection Zones	0	0	0	0	-
48	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m

49	6.1	Water Network (OS MasterMap)	0	0	0	-	-
49 >	6.2 >	Surface water features >	1	0	0	-	-
50 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
50 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
51 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
52	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
52	7.2	Historical Flood Events	0	0	0	-	-
52	7.3	Flood Defences	0	0	0	-	-
53	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
53	7.5	Flood Storage Areas	0	0	0	-	-
54	7.6	Flood Zone 2	None (within 50m)				
54	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
55	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
56 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
57 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	1
58	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
58 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	0	1
58 >	10.4 >	Special Protection Areas (SPA) >	0	0	0	0	3
59	10.5	National Nature Reserves (NNR)	0	0	0	0	0
59	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
60 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	5
60	10.8	Biosphere Reserves	0	0	0	0	0
60	10.9	Forest Parks	0	0	0	0	0
61	10.10	Marine Conservation Zones	0	0	0	0	0
61 >	10.11 >	Green Belt >	1	0	0	0	1

61	10.12	Proposed Ramsar sites	0	0	0	0	0
61	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
62	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
62	10.15	Nitrate Sensitive Areas	0	0	0	0	0
62	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
63 >	**10.17 >**	**SSSI Impact Risk Zones >**	1	-	-	-	-
64 >	**10.18 >**	**SSSI Units >**	0	0	0	0	3
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
66	11.1	World Heritage Sites	0	0	0	-	-
66	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
66	11.3	National Parks	0	0	0	-	-
66	11.4	Listed Buildings	0	0	0	-	-
67	11.5	Conservation Areas	0	0	0	-	-
67	11.6	Scheduled Ancient Monuments	0	0	0	-	-
67	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
68 >	**12.1 >**	**Agricultural Land Classification >**	Grade 4 (within 250m)				
69	12.2	Open Access Land	0	0	0	-	-
69	12.3	Tree Felling Licences	0	0	0	-	-
69	12.4	Environmental Stewardship Schemes	0	0	0	-	-
69 >	**12.5 >**	**Countryside Stewardship Schemes >**	0	1	1	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
70	13.1	Priority Habitat Inventory	0	0	0	-	-
70	13.2	Habitat Networks	0	0	0	-	-
70	13.3	Open Mosaic Habitat	0	0	0	-	-
70	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
71 >	**14.1 >**	**10k Availability >**	Identified (within 500m)				
72 >	**14.2 >**	**Artificial and made ground (10k) >**	0	0	0	5	-

74 >	14.3 >	Superficial geology (10k) >	0	0	0	1	-
75 >	14.4 >	Landslip (10k) >	0	0	1	1	-
76 >	14.5 >	Bedrock geology (10k) >	3	0	2	10	-
77 >	14.6 >	Bedrock faults and other linear features (10k) >	3	1	3	3	-
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)	0	0	0	0	-
81	15.5	Superficial permeability (50k)	None (within 50m)				
81	15.6	Landslip (50k)	0	0	0	0	-
81	15.7	Landslip permeability (50k)	None (within 50m)				
82 >	15.8 >	Bedrock geology (50k) >	3	0	2	7	-
83 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
83 >	15.10 >	Bedrock faults and other linear features (50k) >	3	1	3	2	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
85 >	16.1 >	BGS Boreholes >	0	2	2	-	-
Page	Section	Natural ground subsidence >					
87 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
88 >	17.2 >	Running sands >	Negligible (within 50m)				
89 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
90 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
91 >	17.5 >	Landslides >	Low (within 50m)				
93 >	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
95 >	18.1 >	BritPits >	0	0	2	3	-
97 >	18.2 >	Surface ground workings >	0	0	2	-	-
97	18.3	Underground workings	0	0	0	0	0
97	18.4	Underground mining extents	0	0	0	0	-

98	18.5	Historical Mineral Planning Areas	0	0	0	0	-
98 >	18.6 >	Non-coal mining >	1	0	0	1	0
98	18.7	JPB mining areas	None (within 0m)				
99	18.8	The Coal Authority non-coal mining	0	0	0	0	-
99	18.9	Researched mining	0	0	0	0	-
99	18.10	Mining record office plans	0	0	0	0	-
99	18.11	BGS mine plans	0	0	0	0	-
100 >	18.12 >	Coal mining >	Identified (within 0m)				
100	18.13	Brine areas	None (within 0m)				
100	18.14	Gypsum areas	None (within 0m)				
100	18.15	Tin mining	None (within 0m)				
100	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
101	19.1	Natural cavities	0	0	0	0	-
102 >	19.2 >	Mining cavities >	0	0	0	0	1
102	19.3	Reported recent incidents	0	0	0	0	-
102	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
104 >	20.1 >	Radon >	Between 3% and 5% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
106 >	21.1 >	BGS Estimated Background Soil Chemistry >	4	2	-	-	-
106	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
107	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
108	22.1	Underground railways (London)	0	0	0	-	-
108	22.2	Underground railways (Non-London)	0	0	0	-	-
108	22.3	Railway tunnels	0	0	0	-	-
108	22.4	Historical railway and tunnel features	0	0	0	-	-
108	22.5	Royal Mail tunnels	0	0	0	-	-

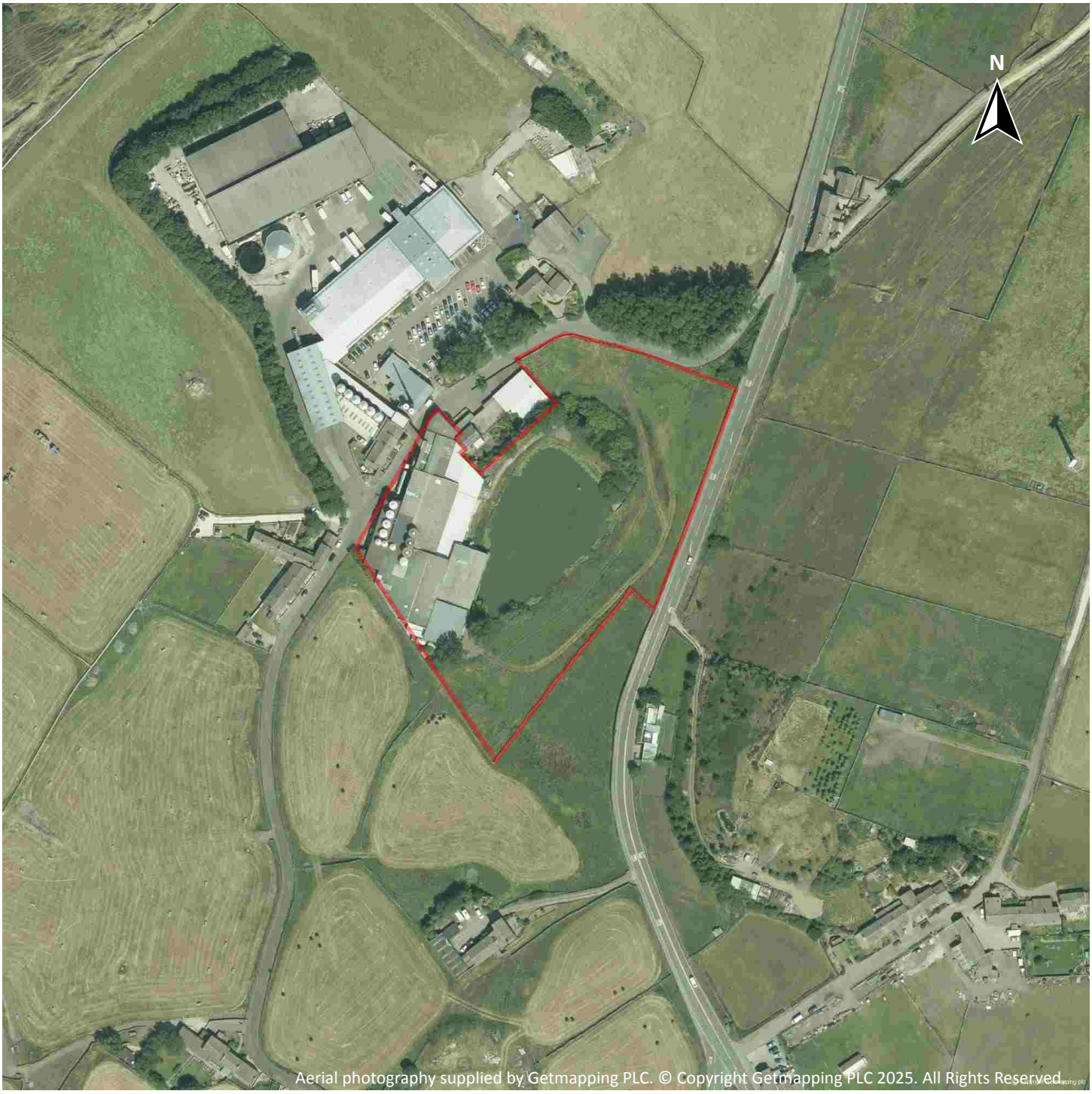
109	22.6	Historical railways	0	0	0	-	-
109	22.7	Railways	0	0	0	-	-
109	22.8	Crossrail 2	0	0	0	0	-
109	22.9	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 30/05/2021

Site Area: 1.74ha

Recent site history - 2018 aerial photograph



Capture Date: 29/06/2018

Site Area: 1.74ha

Recent site history - 2012 aerial photograph

Capture Date: 26/03/2012

Site Area: 1.74ha

Recent site history - 2011 aerial photograph

Capture Date: 28/09/2011

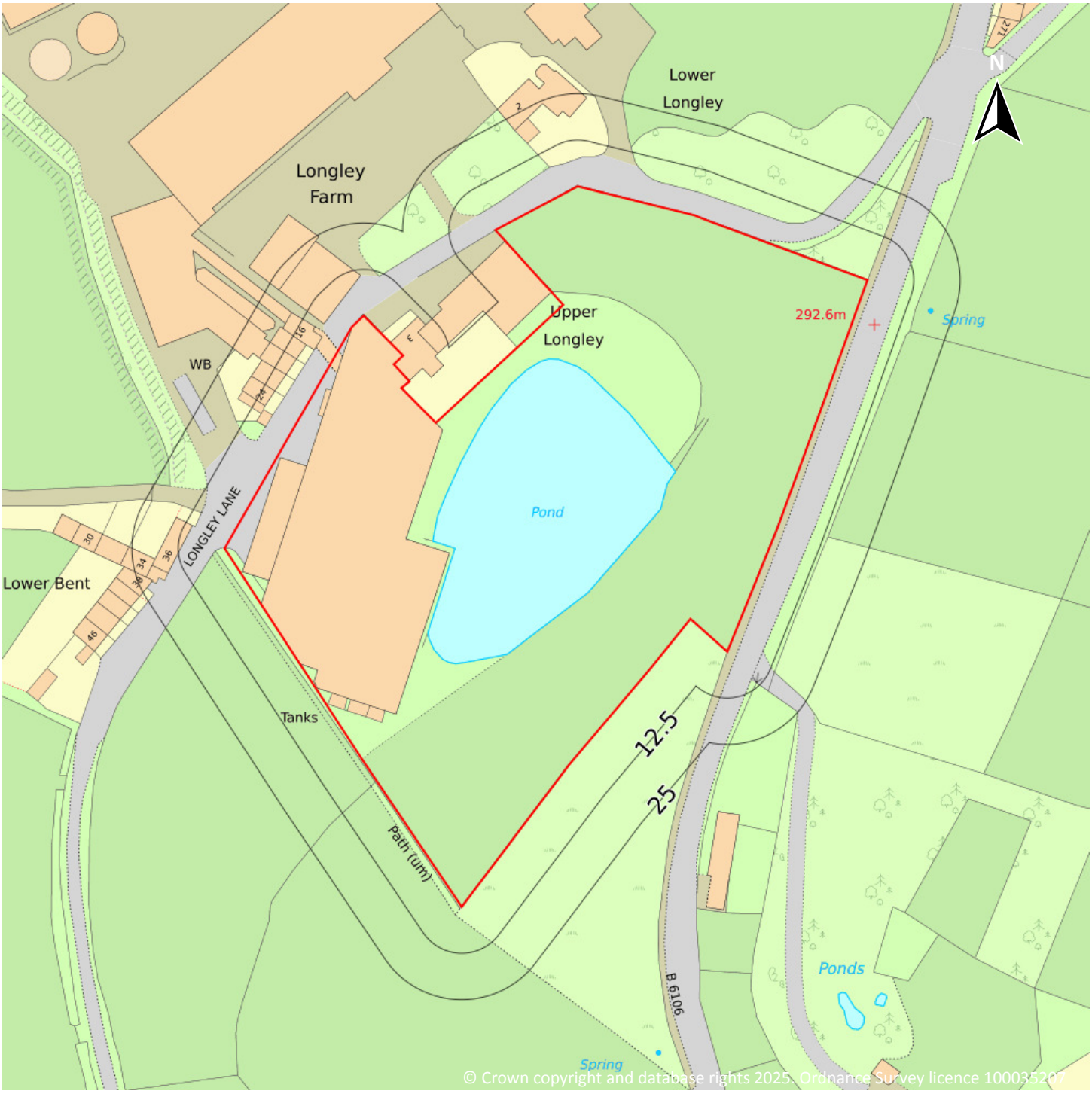
Site Area: 1.74ha

Recent site history - 2000 aerial photograph

Capture Date: 05/08/2000

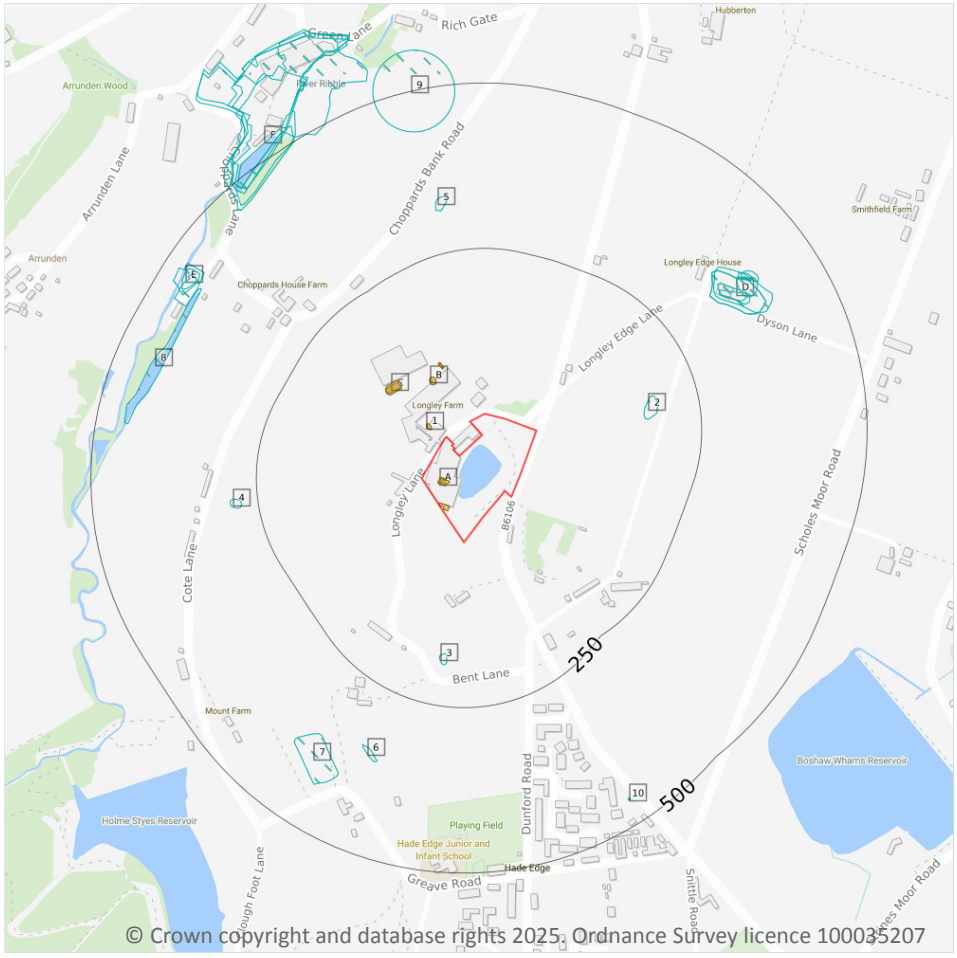
Site Area: 1.74ha

OS MasterMap site plan



Site Area: 1.74ha

1 Past land use



1.1 Historical industrial land uses

Records within 500m	26

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 15 >**

ID	Location	Land use	Dates present	Group ID
2	164m E	Sandstone Quarry	1854	1444521

ID	Location	Land use	Dates present	Group ID
3	171m S	Sandstone Quarry	1854	1445004
4	275m W	Sandstone Quarry	1854	1444522
5	314m N	Sandstone Quarry	1854	1444520
D	332m NE	Unspecified Quarry	1888 - 1904	1505503
D	332m NE	Unspecified Quarry	1948	1571606
D	339m NE	Unspecified Quarry	1933	1541007
6	342m SW	Sandstone Quarry	1854	1445006
D	345m NE	Unspecified Pit	1980	1578267
D	347m NE	Unspecified Pit	1965	1493730
7	363m SW	Water Works Reservoir	1955	1479431
D	374m NE	Sandstone Quarry	1854	1444516
D	383m NE	Unspecified Pit	1980	1499786
D	386m NE	Unspecified Pit	1965 - 1970	1566185
8	426m NW	Mill Pond	1970 - 1980	1559819
E	437m NW	Woollen Mill	1854	1435738
9	438m N	Unspecified Pit	1980	1450291
E	442m NW	Unspecified Mill	1888	1448365
E	442m NW	Refuse Heap	1904	1434262
10	460m SE	Unspecified Pump	1854	1470300
F	462m NW	Unspecified Mills	1904	1523871
F	466m NW	Unspecified Mills	1955	1565552
F	478m NW	Unspecified Mills	1933	1482628
F	481m NW	Unspecified Mills	1965	1530541
F	487m NW	Mill Pond	1970 - 1980	1498579
F	487m NW	Unspecified Mill	1970 - 1980	1506806

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	10

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Tanks**	**1981**	**252316**
A	**On site**	**Tanks**	**1981**	**253406**
A	**On site**	**Tanks**	**1981 - 1995**	**253844**
A	**On site**	**Tanks**	**1995**	**261510**
1	25m NW	Tanks	1981 - 1995	247316
B	77m NW	Unspecified Tank	1981 - 1995	258723
B	90m NW	Unspecified Tank	1995	248318
B	91m NW	Unspecified Tank	1981	260893
C	100m NW	Tanks	1995	246173
C	102m NW	Tanks	1981	249904

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

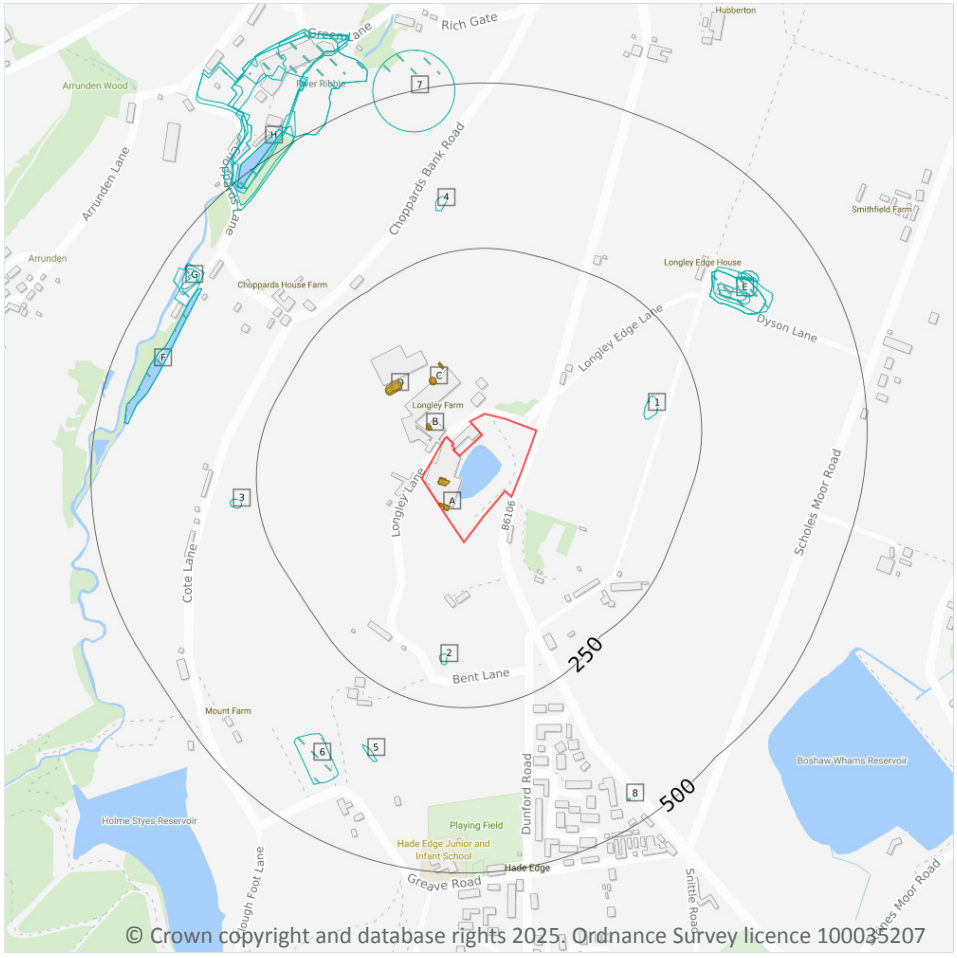
1.6 Historical military land

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

2.1 Historical industrial land uses

Records within 500m	31

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
1	164m E	Sandstone Quarry	1854	1444521
2	171m S	Sandstone Quarry	1854	1445004
3	275m W	Sandstone Quarry	1854	1444522

ID	Location	Land Use	Date	Group ID
4	314m N	Sandstone Quarry	1854	1444520
E	332m NE	Unspecified Quarry	1948	1571606
E	332m NE	Unspecified Quarry	1904	1505503
E	332m NE	Unspecified Quarry	1888	1505503
E	339m NE	Unspecified Quarry	1933	1541007
5	342m SW	Sandstone Quarry	1854	1445006
E	345m NE	Unspecified Pit	1980	1578267
E	347m NE	Unspecified Pit	1965	1493730
6	363m SW	Water Works Reservoir	1955	1479431
E	374m NE	Sandstone Quarry	1854	1444516
E	383m NE	Unspecified Pit	1980	1499786
E	386m NE	Unspecified Pit	1965	1566185
E	386m NE	Unspecified Pit	1970	1566185
F	426m NW	Mill Pond	1980	1559819
F	426m NW	Mill Pond	1970	1559819
G	437m NW	Woollen Mill	1854	1435738
7	438m N	Unspecified Pit	1980	1450291
G	442m NW	Unspecified Mill	1888	1448365
G	442m NW	Refuse Heap	1904	1434262
8	460m SE	Unspecified Pump	1854	1470300
H	462m NW	Unspecified Mills	1904	1523871
H	466m NW	Unspecified Mills	1955	1565552
H	478m NW	Unspecified Mills	1933	1482628
H	481m NW	Unspecified Mills	1965	1530541
H	487m NW	Unspecified Mill	1980	1506806
H	487m NW	Mill Pond	1980	1498579
H	487m NW	Mill Pond	1970	1498579
H	487m NW	Unspecified Mill	1970	1506806

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	19

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
A	**On site**	**Tanks**	**1981**	**253844**
A	**On site**	**Tanks**	**1981**	**252316**
A	**On site**	**Tanks**	**1981**	**253406**
A	**On site**	**Tanks**	**1995**	**253844**
A	**On site**	**Tanks**	**1995**	**261510**
A	**On site**	**Tanks**	**1995**	**261510**
A	**On site**	**Tanks**	**1995**	**253844**
B	25m NW	Tanks	1995	247316
B	25m NW	Tanks	1995	247316
B	27m NW	Tanks	1981	247316
C	77m NW	Unspecified Tank	1995	258723
C	77m NW	Unspecified Tank	1995	258723
C	80m NW	Unspecified Tank	1981	258723
C	90m NW	Unspecified Tank	1995	248318
C	90m NW	Unspecified Tank	1995	248318
C	91m NW	Unspecified Tank	1981	260893
D	100m NW	Tanks	1995	246173
D	100m NW	Tanks	1995	246173
D	102m NW	Tanks	1981	249904

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	0

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'.

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.

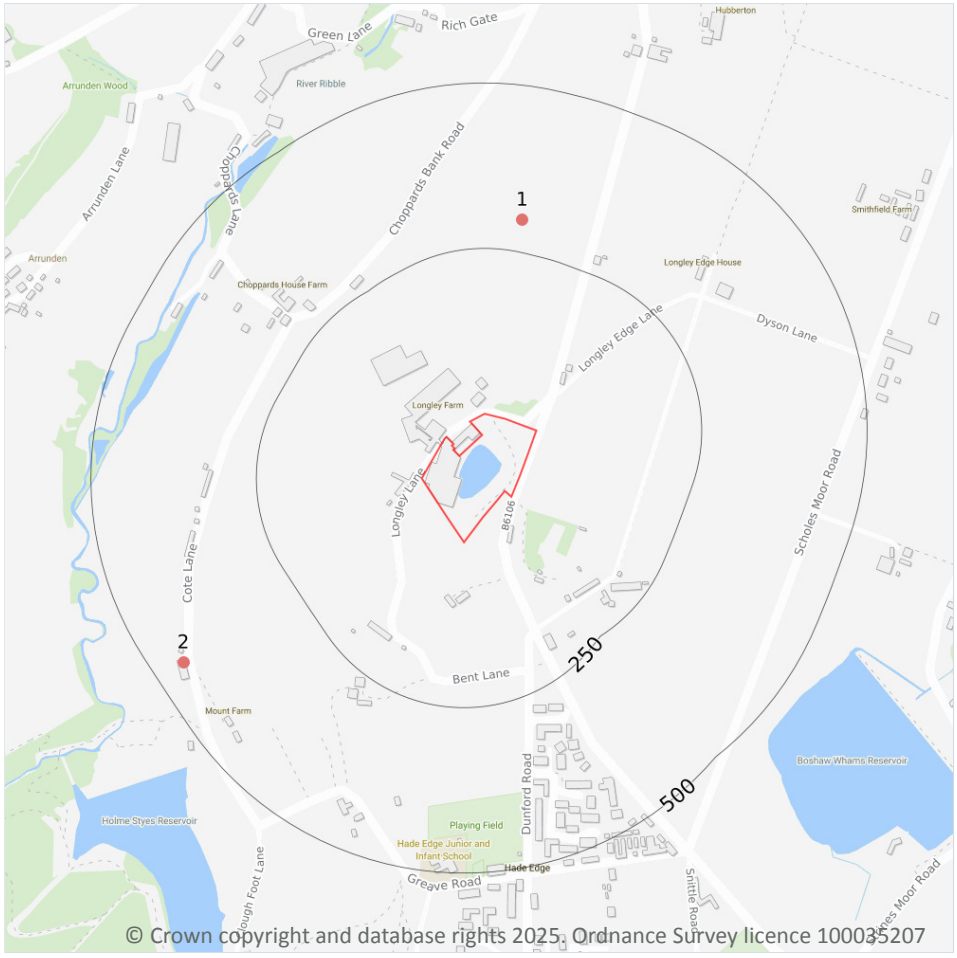
2.5 Historical garages

Records within 500m	0

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'.

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	2

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.

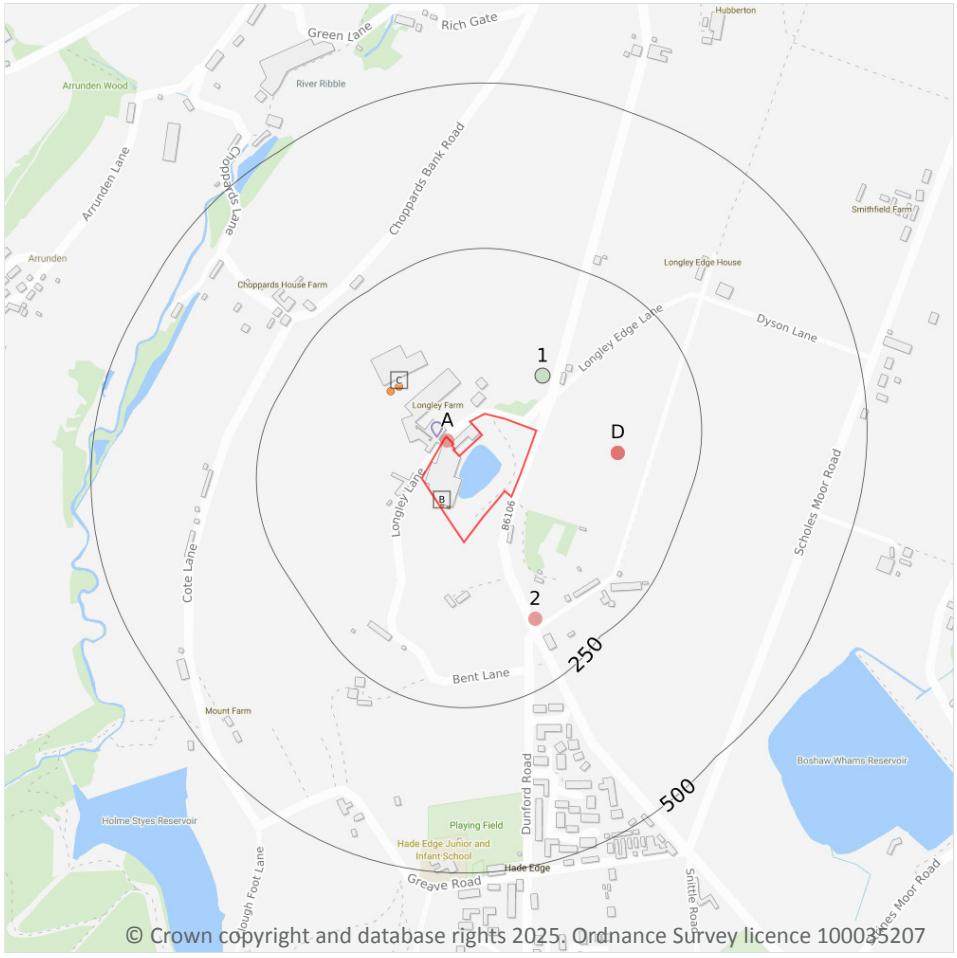
Features are displayed on the Waste and landfill map on **page 23 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	299m N	-	WEX410094	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
2	454m SW	Bank Bottom Farm, Cote Lane, Holmfirth, Hd9 2rp	WEX260423	Using waste exemption	On a farm	Use of waste in construction

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

NGD current or recent tanks

Part A(1) industrial activities

Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	5

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 26 >**

ID	Location	Company	Address	Activity	Category
A	**On site**	**Longley Farm**	**Longley Farm Longley, Longley Lane, Holmfirth, West Yorkshire, HD9 2JD**	**Dairy Products**	**Foodstuffs**
D	128m E	Wind Turbine	West Yorkshire, HD9	Energy Production	Industrial Features

ID	Location	Company	Address	Activity	Category
D	128m E	Longley Farm Community Turbine Turbine	West Yorkshire, HD9	Energy Production	Industrial Features
D	128m E	Longley Farm Community Turbine	Holmfirth, West Yorkshire, HD9	Energy Production	Industrial Features
2	158m SE	Gas Governor	West Yorkshire, HD9	Gas Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

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

Records within 250m	**4**

Current or recent tanks identified from the Ordnance Survey NGD.

Features are displayed on the Current industrial land use map on **page 26 >**

ID	Location	Tank description	Activity	Date first identified
B	**On site**	**Roofed Storage Tank**	**Commercial Activity: Distribution Or Storage**	**30/09/2005**
B	**On site**	**Roofed Storage Tank**	**Commercial Activity: Distribution Or Storage**	**30/09/2005**
C	99m NW	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	30/09/2005
C	103m NW	Open Storage Tank	Commercial Activity: Distribution Or Storage	30/09/2005

This data is sourced from Ordnance Survey.

4.3 Current or recent petrol stations

Records within 500m	**0**

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.4 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 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.

4.7 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.

4.8 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.

4.9 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.10 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.11 Licensed industrial activities (Part A(1))

Records within 500m	4

Records of Part A(1) 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 26 >**

ID	Location	Details	
A	18m NW	Operator: Mr RJ Dickinson Installation Name: Longley Farm Process: MCP Permit Number: HB3399YW Original Permit Number: HB3399YW	EPR Reference: EPR/HB3399YW Issue Date: 27/04/2021 Effective Date: 27/04/2021 Last date noted as effective: 29/10/2024 Status: Effective
A	18m NW	Operator: Mr RJ Dickinson Installation Name: Longley Farm Process: MCP Permit Number: QB3199YJ Original Permit Number: QB3199YJ	EPR Reference: EPR/QB3199YJ Issue Date: 01/01/2020 Effective Date: 01/01/2020 Last date noted as effective: 28/04/2025 Status: Surrendered
A	18m NW	Operator: Mr RJ Dickinson Installation Name: Longley Farm Process: MCP Permit Number: HB3399YW Original Permit Number: HB3399YW	EPR Reference: EPR/HB3399YW Issue Date: 27/04/2021 Effective Date: 27/04/2021 Last date noted as effective: 28/04/2025 Status: Effective

ID	Location	Details	
A	18m NW	Operator: Mr RJ Dickinson Installation Name: Longley Farm Process: MCP Permit Number: HB3399YW Original Permit Number: HB3399YW	EPR Reference: EPR/HB3399YW Issue Date: 27/04/2021 Effective Date: 27/04/2021 Last date noted as effective: 28/04/2025 Status: Effective

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

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

Records within 500m	0

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.

This data is sourced from Local Authority records.

4.13 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.

4.14 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.

4.15 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.16 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.17 List 1 Dangerous Substances

Records within 500m	0

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

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

4.18 List 2 Dangerous Substances

Records within 500m	0

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

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

4.19 Pollution Incidents (EA/NRW)

Records within 500m	1

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

Features are displayed on the Current industrial land use map on **page 26 >**

ID	Location	Details	
1	80m N	Incident Date: 15/06/2018 Incident Identification: 1622932 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Food and Drink	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.20 Pollution inventory substances

Records within 500m	0

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

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

4.21 Pollution inventory waste transfers

Records within 500m	0

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

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

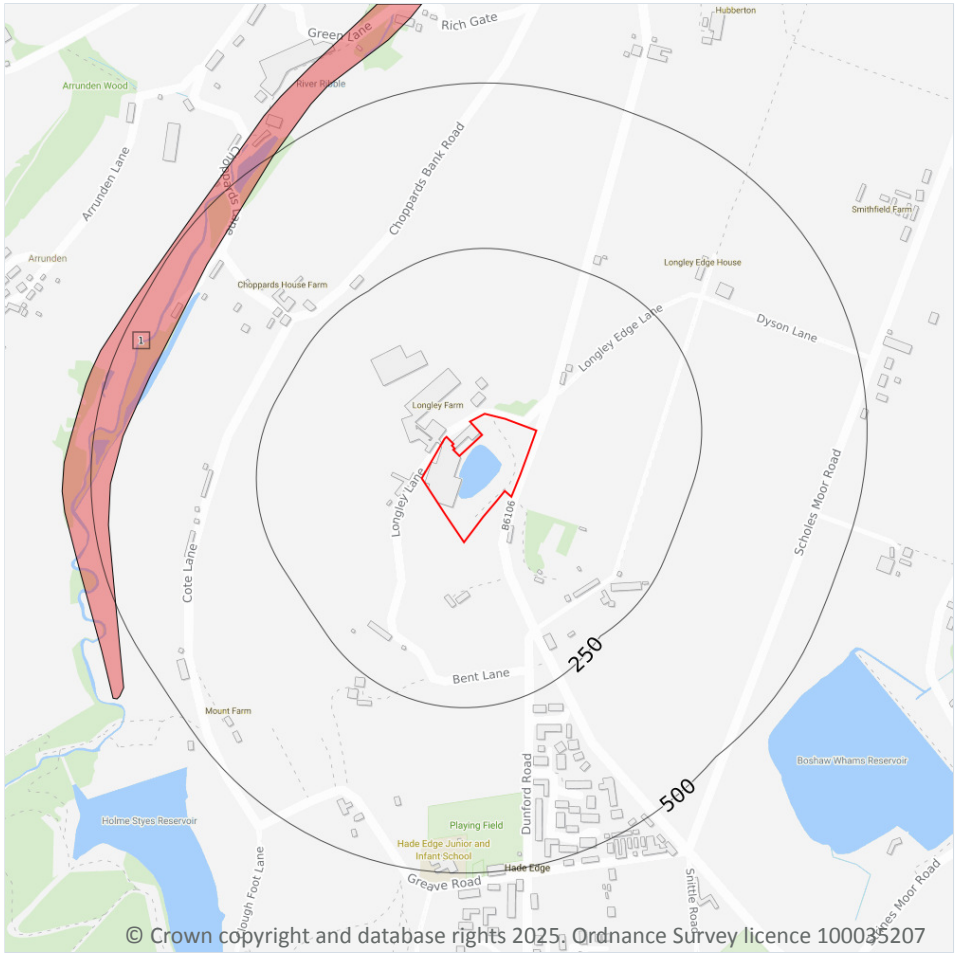
4.22 Pollution inventory radioactive waste

Records within 500m	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	1

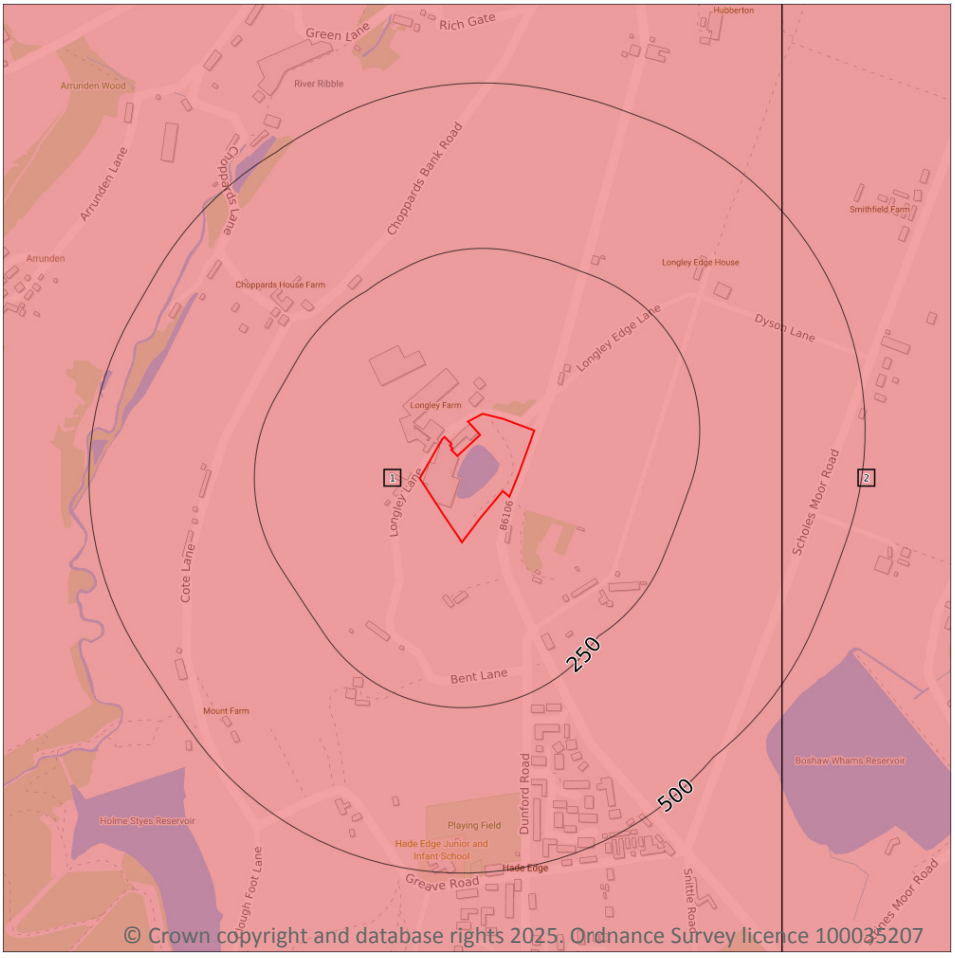
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 33 >**

ID	Location	Designation	Description
1	436m 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

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

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

5.2 Bedrock aquifer

Records within 500m	2

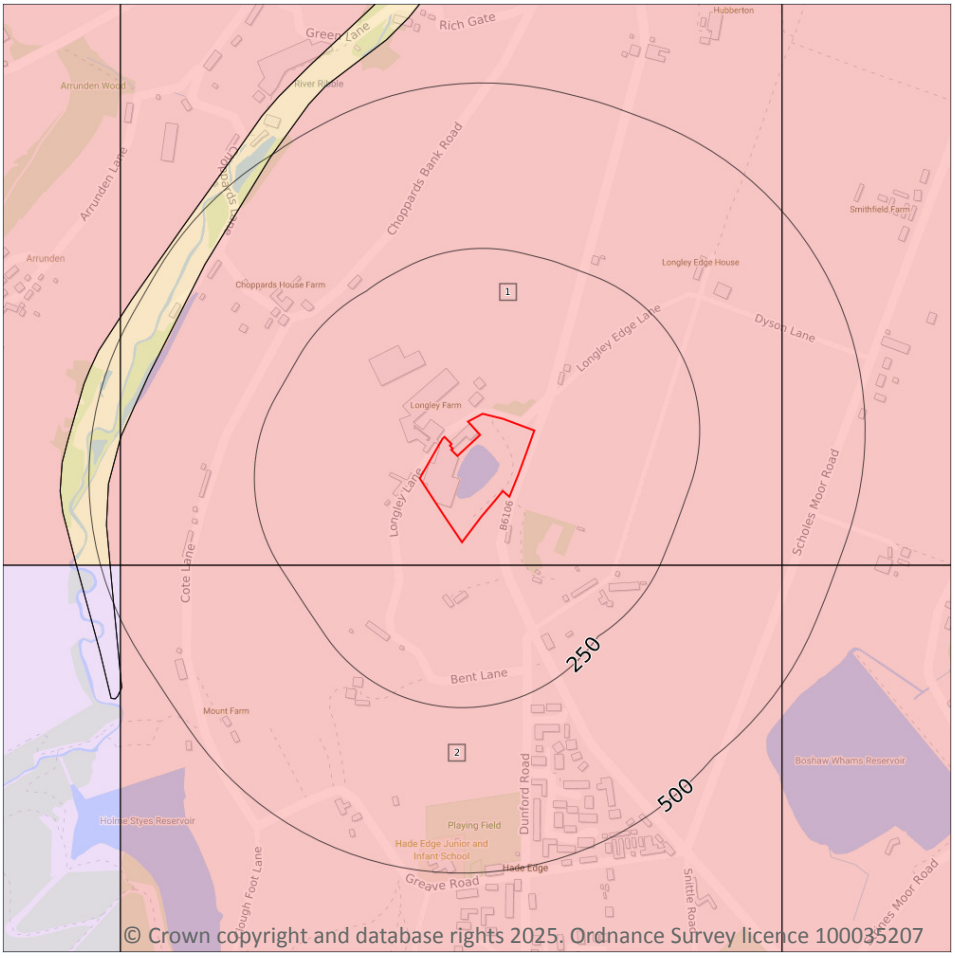
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 34 >**

ID	Location	Designation	Description
1	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
2	374m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

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

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

Other information
- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	2

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

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

Features are displayed on the Groundwater vulnerability map on **page 36 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: >550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures**
2	35m S	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**0**

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

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

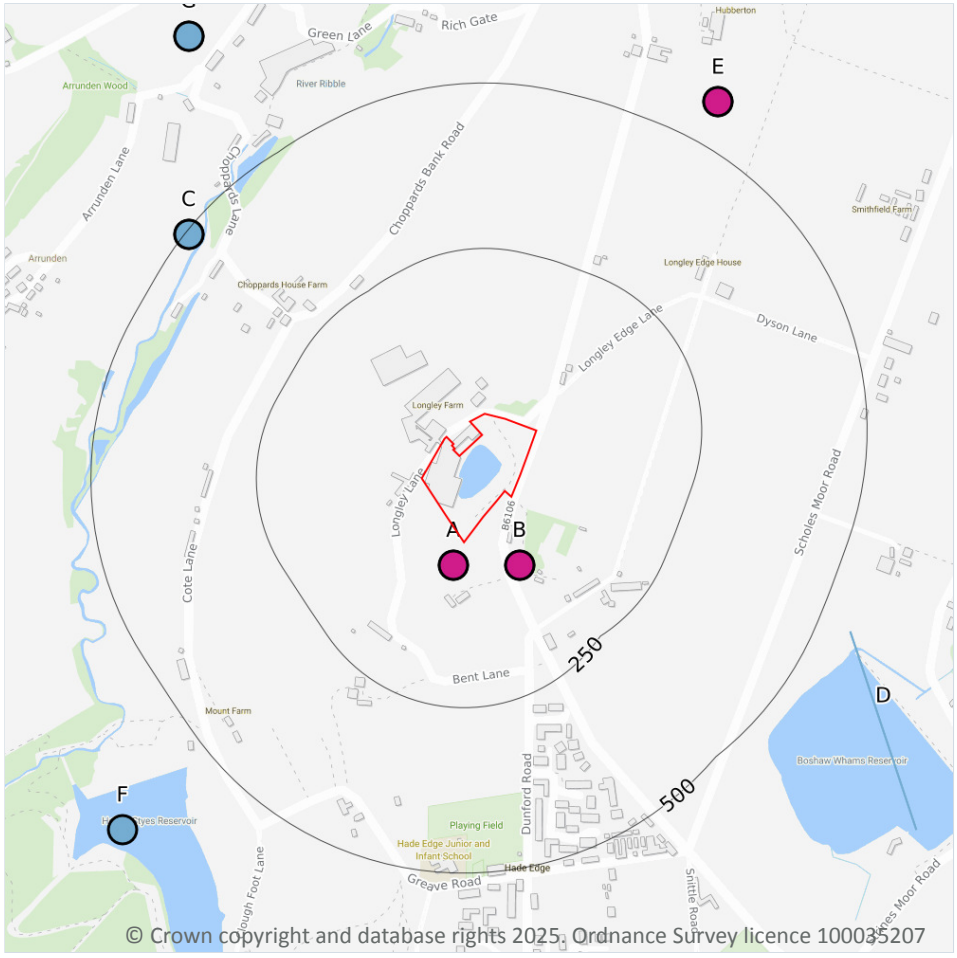
5.5 Groundwater vulnerability- local information

Records on site	**0**

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

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

Abstractions and Source Protection Zones



Site Outline

Search buffers in metres (m)

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

5.6 Groundwater abstractions

Records within 2000m	27

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 38 >**

ID	Location	Details	
A	38m SW	Status: Historical Licence No: 2/27/10/085 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL Data Type: Point Name: TAYLOR Easting: 414500 Northing: 406000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
A	38m SW	Status: Historical Licence No: 2/27/10/085 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL - MILLSTONE GRIT - HADE EDGE HOLMFIRTH Data Type: Point Name: TAYLOR Easting: 414500 Northing: 406000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
B	88m SE	Status: Historical Licence No: 2/27/10/084 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING Data Type: Point Name: TAYLOR Easting: 414600 Northing: 406000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
B	88m SE	Status: Historical Licence No: 2/27/10/084 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING - HADE EDGE Data Type: Point Name: TAYLOR Easting: 414600 Northing: 406000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
E	567m NE	Status: Historical Licence No: 2/27/10/075 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: -- GRAVITY Data Type: Point Name: GARLICK Easting: 414900 Northing: 406700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 26/05/1966 Version End Date: -

ID	Location	Details	
E	567m NE	Status: Historical Licence No: 2/27/10/075 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING Data Type: Point Name: GARLICK Easting: 414900 Northing: 406700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 26/05/1966 Version End Date: -
-	740m S	Status: Historical Licence No: 2/27/10/098 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL Data Type: Point Name: LILES Easting: 414600 Northing: 405300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
-	740m S	Status: Historical Licence No: 2/27/10/098 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL - MILLSTONE GRIT - HADE EDGE HOLMFIRTH Data Type: Point Name: LILES Easting: 414600 Northing: 405300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
-	785m N	Status: Historical Licence No: 2/27/10/080 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELLS X3 Data Type: Point Name: BATTYE Easting: 414400 Northing: 407000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
-	785m N	Status: Historical Licence No: 2/27/10/080 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELLS X3 - MILLSTONE GRIT - CARTWORTH MOOR Data Type: Point Name: BATTYE Easting: 414400 Northing: 407000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -

ID	Location	Details	
-	787m W	Status: Historical Licence No: 2/27/10/057A Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL Data Type: Point Name: WALTERS Easting: 413700 Northing: 405900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/01/1966 Version End Date: -
-	787m W	Status: Historical Licence No: 2/27/10/057A Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL - MILLSTONE GRIT - CARWORTH MOOR HOLMFIRTH Data Type: Point Name: WALTERS Easting: 413700 Northing: 405900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/01/1966 Version End Date: -
-	937m NW	Status: Historical Licence No: 2/27/10/113 Details: Raw Water Supply Direct Source: GROUNDWATERS Point: WELL Data Type: Point Name: WELLHOUSE PUMP BOARD Easting: 413700 Northing: 406700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 24/07/1980 Expiry Date: - Issue No: 100 Version Start Date: 24/07/1980 Version End Date: -
-	937m NW	Status: Historical Licence No: 2/27/10/113 Details: Raw Water Supply Direct Source: GROUNDWATERS Point: WELL - MILLSTONE GRIT - CARWORTH MOOR HOLMFIRTH Data Type: Point Name: WELLHOUSES RESIDENT ASSOCIATION Easting: 413700 Northing: 406700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 24/07/1980 Expiry Date: - Issue No: 101 Version Start Date: 09/09/2002 Version End Date: -
-	1079m E	Status: Historical Licence No: 2/27/10/100 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL X2 Data Type: Line Name: HALL Easting: 415700 Northing: 406100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 26/05/1966 Version End Date: -

ID	Location	Details	
-	1079m E	Status: Historical Licence No: 2/27/10/100 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL X2 - MILLSTONE GRIT - HEPWORTH Data Type: Line Name: HALL Easting: 415700 Northing: 406100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 26/05/1966 Version End Date: -
-	1276m E	Status: Historical Licence No: 2/27/10/104 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING Data Type: Point Name: BOOTH Easting: 415800 Northing: 405700	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: 20/01/1970 Version End Date: -
-	1276m E	Status: Historical Licence No: 2/27/10/104 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING - HEPWORTH Data Type: Point Name: BOOTH Easting: 415800 Northing: 405700	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: 20/01/1970 Version End Date: -
-	1384m NW	Status: Historical Licence No: 2/27/10/037 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL X3 Data Type: Point Name: MAZUREK Easting: 414000 Northing: 407500	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/12/1966 Version End Date: -
-	1384m NW	Status: Historical Licence No: 2/27/10/037 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL X3 - MILLSTONE GRIT - HOLMFIRTH Data Type: Point Name: MAZUREK Easting: 414000 Northing: 407500	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/12/1966 Version End Date: -

ID	Location	Details	
-	1678m N	Status: Active Licence No: 2/27/10/083 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - RIBBLEDEN DYEWORKS Data Type: Point Name: HOLMFIRTH DYERS LTD Easting: 414400 Northing: 407900	Annual Volume (m^3): 90920 Max Daily Volume (m^3): 363.68 Original Application No: 317(2) Original Start Date: 28/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 13/03/2000 Version End Date: -
-	1763m E	Status: Historical Licence No: 2/27/10/086 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: -- BOREHOLE Data Type: Point Name: SMITH Easting: 416370 Northing: 405950	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
-	1763m E	Status: Historical Licence No: 2/27/10/086 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HEPWORTH Data Type: Point Name: SMITH Easting: 416370 Northing: 405950	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
-	1801m SE	Status: Historical Licence No: 2/27/10/074 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING Data Type: Point Name: DENTON Easting: 416200 Northing: 405300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/03/1966 Version End Date: -
-	1801m SE	Status: Historical Licence No: 2/27/10/074 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING - HEPWORTH Data Type: Point Name: DENTON Easting: 416200 Northing: 405300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/03/1966 Version End Date: -

ID	Location	Details	
-	1987m W	Status: Historical Licence No: 2/27/10/118 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: TINKER Easting: 412500 Northing: 406500	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 16/11/1995 Expiry Date: - Issue No: 100 Version Start Date: 16/11/1995 Version End Date: -
-	1987m W	Status: Historical Licence No: 2/27/10/118 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HOLMFIRTH Data Type: Point Name: TINKER Easting: 412500 Northing: 406500	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 16/11/1995 Expiry Date: - Issue No: 100 Version Start Date: 16/11/1995 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 38 >**

ID	Location	Details	
C	495m NW	Status: Historical Licence No: 2/27/10/052 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: SURFACE WATER Point: RIVER RIBBLE - TRIBUTARY OF RIVER HOLME - HOLMFIRTH Data Type: Point Name: WESTWOOD YARNS LTD Easting: 414100 Northing: 406500	Annual Volume (m^3): 295496 Max Daily Volume (m^3): 1130 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 12/10/2006 Version End Date: -

ID	Location	Details	
C	495m NW	Status: Historical Licence No: 2/27/10/052 Details: Process Water Direct Source: SURFACE WATER Point: RIVER RIBBLE - TRIBUTARY OF RIVER HOLME - HOLMFIRTH Data Type: Point Name: WESTWOOD YARNS LTD Easting: 414100 Northing: 406500	Annual Volume (m^3): 295496 Max Daily Volume (m^3): 1130 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 12/10/2006 Version End Date: -
D	551m E	Status: Active Licence No: 2/27/10/112 Details: Transfer Between Sources (Pre Water Act 2003) Direct Source: SURFACE WATER Point: BOSHAW WHAMS RESERVOIR Data Type: Line Name: Yorkshire Water Services Ltd Easting: 415100 Northing: 405900	Annual Volume (m^3): 55000 Max Daily Volume (m^3): 450 Original Application No: 5434 Original Start Date: 03/08/1977 Expiry Date: - Issue No: 100 Version Start Date: 10/03/2016 Version End Date: -
D	551m E	Status: Historical Licence No: 2/27/10/112 Details: Potable Water Supply - Direct Direct Source: SURFACE WATER Point: BOSHAW WHAMS RESERVOIR Data Type: Line Name: YORKSHIRE WATER SERVICES LTD Easting: 415100 Northing: 405900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 03/08/1977 Expiry Date: - Issue No: 100 Version Start Date: 03/08/1977 Version End Date: -
F	675m SW	Status: Active Licence No: 2/27/10/063 Details: Potable Water Supply - Direct Direct Source: SURFACE WATER Point: HOLME STYLES RESERVOIR Data Type: Point Name: Yorkshire Water Services Ltd Easting: 414000 Northing: 405600	Annual Volume (m^3): 5840000 Max Daily Volume (m^3): 5840000 Original Application No: NPS/WR/012980 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 07/03/2013 Version End Date: -
G	721m NW	Status: Historical Licence No: 2/27/10/053 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: SPRING - HOLMFIRTH Data Type: Point Name: WESTWOOD YARNS LTD Easting: 414100 Northing: 406800	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 45.46 Original Application No: 1260(2) Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -

ID	Location	Details	
G	721m NW	Status: Historical Licence No: 2/27/10/053 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: SPRING Data Type: Point Name: WESTWOOD YARNS LTD Easting: 414100 Northing: 406800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 03/05/1991 Version End Date: -
-	785m N	Status: Active Licence No: 2/27/10/082 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER RIBBLE - HOLMFIRTH Data Type: Point Name: HOLMFIRTH DYERS LTD Easting: 414400 Northing: 407000	Annual Volume (m^3): 115000 Max Daily Volume (m^3): 480 Original Application No: NPS/WR/036061 Original Start Date: 28/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 10/02/2023 Version End Date: -
-	1472m N	Status: Active Licence No: 2/27/10/082 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER RIBBLE - TRIBUTARY OF RIVER HOLME-RIBBLEDEN Data Type: Point Name: HOLMFIRTH DYERS LTD Easting: 414500 Northing: 407700	Annual Volume (m^3): 115000 Max Daily Volume (m^3): 480 Original Application No: NPS/WR/036061 Original Start Date: 28/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 10/02/2023 Version End Date: -
-	1472m N	Status: Historical Licence No: 2/27/10/082 Details: Process water Direct Source: SURFACE WATER Point: RIVER RIBBLE - TRIBUTARY OF RIVER HOLME-RIBBLEDEN Data Type: Point Name: HOLMFIRTH DYERS LTD Easting: 414500 Northing: 407700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 102 Version Start Date: 17/04/2002 Version End Date: -

ID	Location	Details	
-	1472m N	Status: Historical Licence No: 2/27/10/082 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER RIBBLE - TRIBUTARY OF RIVER HOLME-RIBBLEDEN Data Type: Point Name: HOLMFIRTH DYERS LTD Easting: 414500 Northing: 407700	Annual Volume (m^3): 85000 Max Daily Volume (m^3): 355 Original Application No: NPS/WR/017420 Original Start Date: 28/04/1966 Expiry Date: - Issue No: 103 Version Start Date: 07/01/2015 Version End Date: -
-	1748m W	Status: Historical Licence No: 2/27/10/081 Details: General Farming & Domestic Direct Source: SURFACE WATER Point: DRIFT IN FIELD Data Type: Point Name: HORN Easting: 412800 Northing: 406700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	**2**

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 38 >**

ID	Location	Details	
D	551m E	Status: Historical Licence No: 2/27/10/112 Details: Potable Water Supply - Direct Direct Source: SURFACE WATER Point: BOSHAW WHAMS RESERVOIR Data Type: Line Name: YORKSHIRE WATER SERVICES LTD Easting: 415100 Northing: 405900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 03/08/1977 Expiry Date: - Issue No: 100 Version Start Date: 03/08/1977 Version End Date: -

ID	Location	Details	
F	675m SW	Status: Active Licence No: 2/27/10/063 Details: Potable Water Supply - Direct Direct Source: SURFACE WATER Point: HOLME STYLES RESERVOIR Data Type: Point Name: Yorkshire Water Services Ltd Easting: 414000 Northing: 405600	Annual Volume (m^3): 5840000 Max Daily Volume (m^3): 5840000 Original Application No: NPS/WR/012980 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 07/03/2013 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.

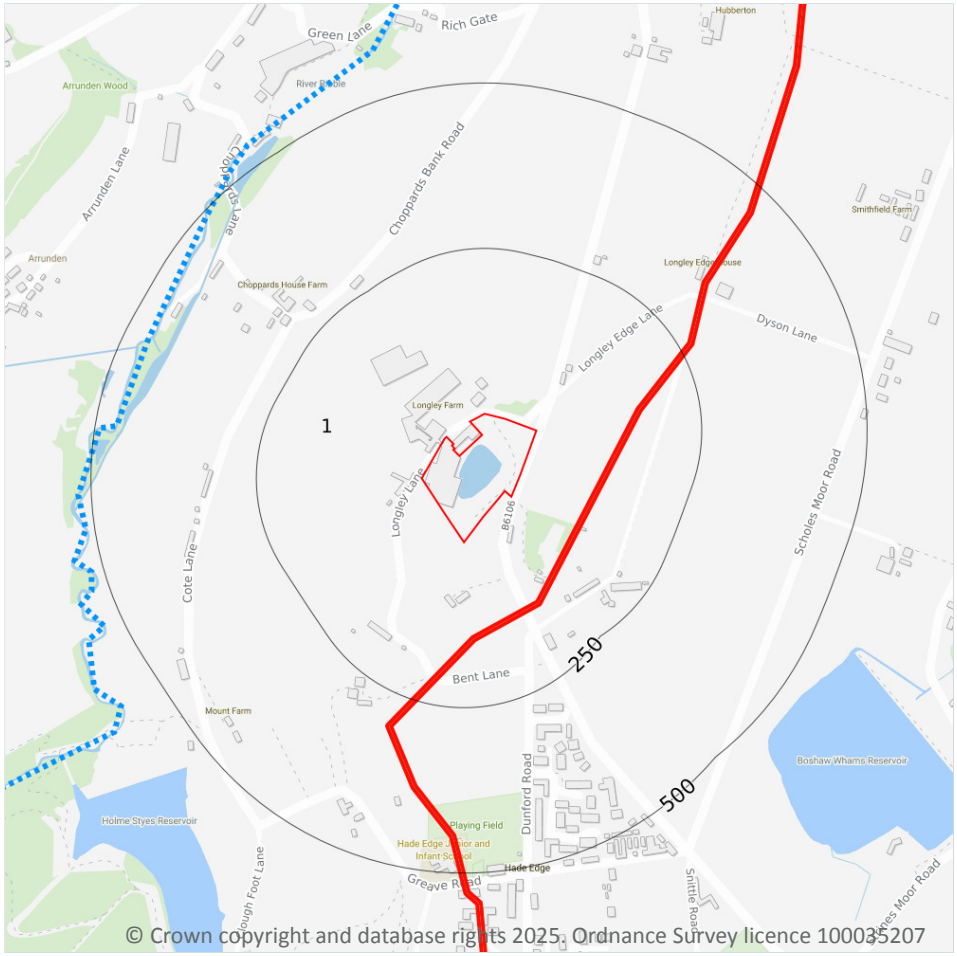
5.10 Source Protection Zones (confined aquifer)

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	0

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	1

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
1	**On site**	**River**	**Holme from Source to New Mill Dike**	**GB104027057600**	**Colne and Holme**	**Aire and Calder**

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

6.4 WFD Surface water bodies

Records identified	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
5	460m W	River	Holme from Source to New Mill Dike	GB104027057600 ↗	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**	**Aire & Calder Carb Limestone / Millstone Grit / Coal Measures.**	**GB40402G700400** ↗	**Poor**	**Poor**	**Good**	**2019**

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

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

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

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding

8.1 Surface water flooding

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

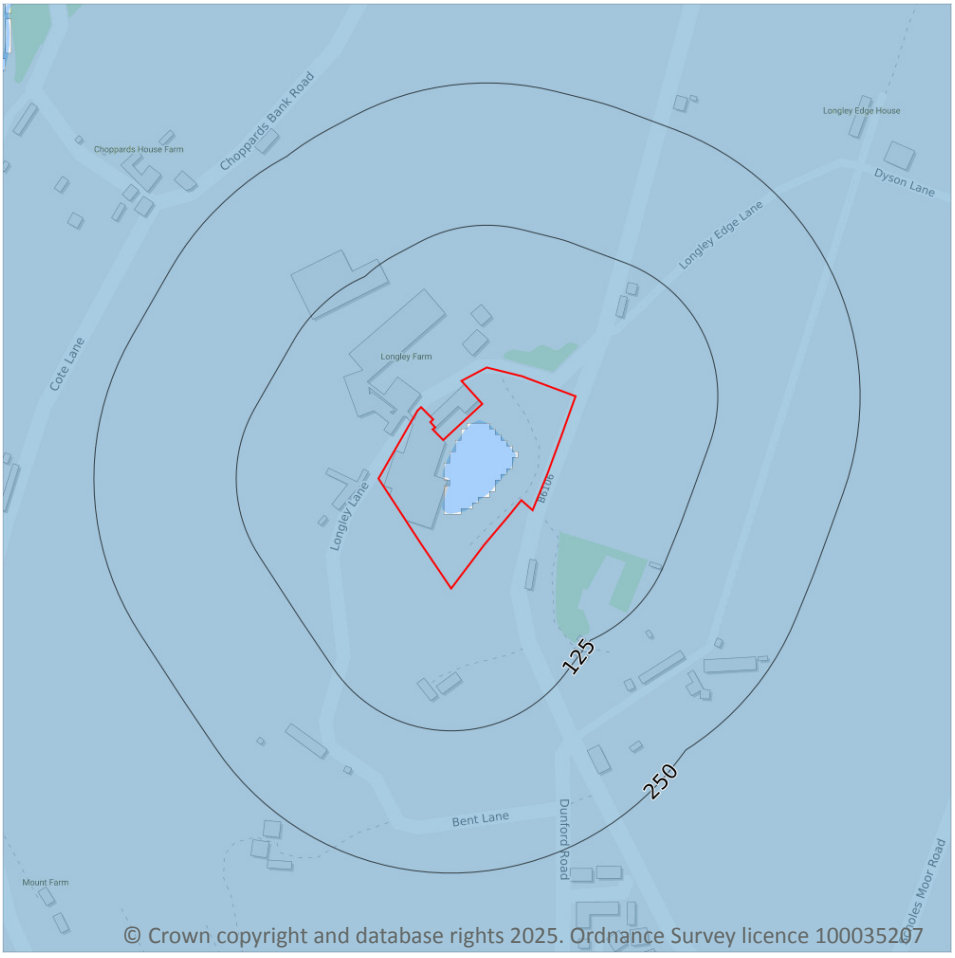
Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year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

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

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

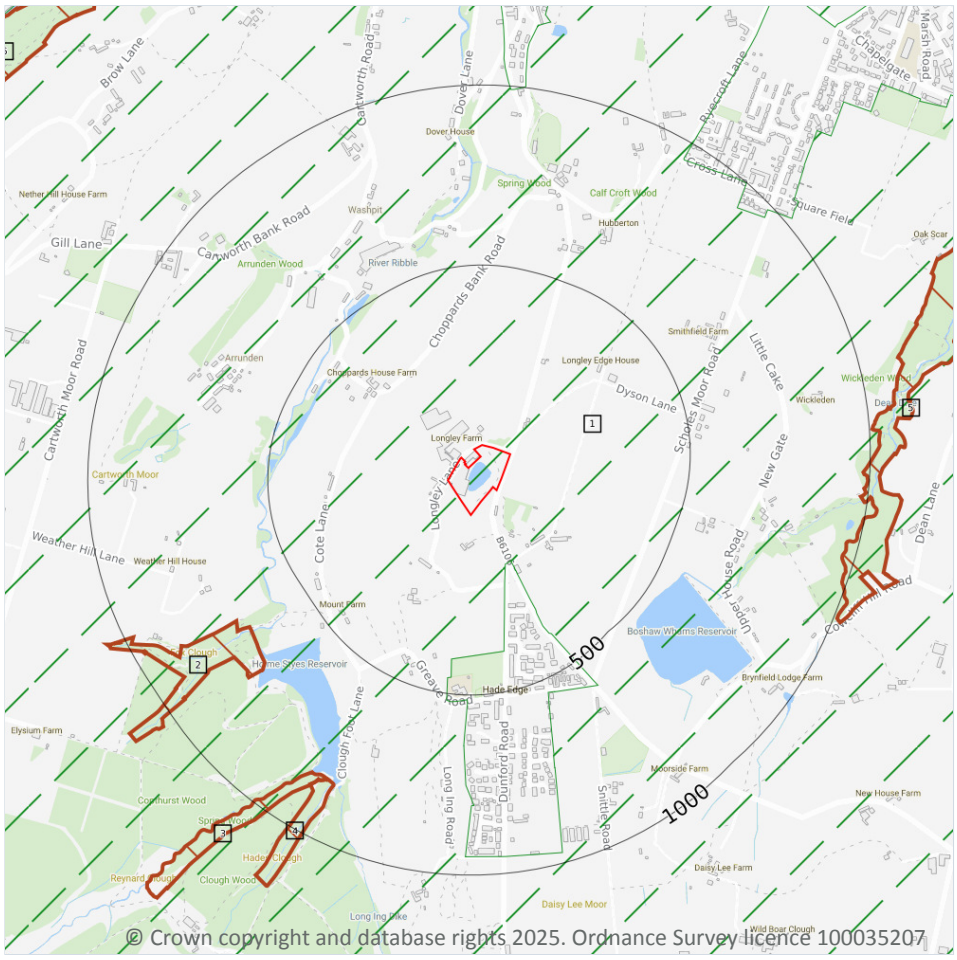
Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

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

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

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



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 57 >**

ID	Location	Name	Data source
-	1751m S	Dark Peak SSSI	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	1

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.

Features are displayed on the Environmental designations map on **page 57 >**

ID	Location	Name	Features of interest	Habitat description	Data source
-	1751m S	South Pennine Moors	Wet heathland with cross-leaved heath; Dry heaths; Blanket bog; Very wet mires often identified by an unstable `quaking` surface; Western acidic oak woodland	Inland water bodies (Standing water, Running water); Humid grassland, Mesophile grassland; Mixed woodland; Heath, Scrub, Maquis and Garrigue, Phygrana; Non-forest areas cultivated with woody plants (including Orchards, groves, Vineyards, Dehesas); Bogs, Marshes, Water fringed vegetation, Fens; Broad-leaved deciduous woodland; Dry grassland, Steppes	Natural England

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

10.4 Special Protection Areas (SPA)

Records within 2000m	3

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.

Features are displayed on the Environmental designations map on **page 57 >**

ID	Location	Name	Species of interest	Habitat description	Data source
-	1751m S	Peak District Moors (South Pennine Moors Phase 1)	Merlin; European golden plover; Short-eared owl	Bogs, Marshes, Water fringed vegetation, Fens; Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Inland rocks, Screes, Sands, Permanent Snow and ice; Dry grassland, Steppes; Humid grassland, Mesophile grassland; Broad-leaved deciduous woodland	Natural England
-	1758m S	Peak District Moors (South Pennine Moors Phase 1)	Merlin; European golden plover; Short-eared owl	Bogs, Marshes, Water fringed vegetation, Fens; Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Inland rocks, Screes, Sands, Permanent Snow and ice; Dry grassland, Steppes; Humid grassland, Mesophile grassland; Broad-leaved deciduous woodland	Natural England
-	1866m SW	Peak District Moors (South Pennine Moors Phase 1)	Merlin; European golden plover; Short-eared owl	Bogs, Marshes, Water fringed vegetation, Fens; Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Inland rocks, Screes, Sands, Permanent Snow and ice; Dry grassland, Steppes; Humid grassland, Mesophile grassland; Broad-leaved deciduous woodland	Natural England

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

10.5 National Nature Reserves (NNR)

Records within 2000m	**0**

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	**0**

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

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

10.7 Designated Ancient Woodland

Records within 2000m	5

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

Features are displayed on the Environmental designations map on **page 57 >**

ID	Location	Name	Woodland Type
2	684m SW	Fox Clough	Ancient Replanted Woodland
3	833m SW	Unknown	Ancient Replanted Woodland
4	835m SW	Unknown	Ancient Replanted Woodland
5	965m E	Morton Wood	Ancient & Semi-Natural Woodland
6	1610m NW	Malkin House Wood	Ancient Replanted Woodland

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	2

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

Features are displayed on the Environmental designations map on **page 57 >**

ID	Location	Name	Local Authority name
1	**On site**	**South and West Yorkshire Green Belt**	**Kirklees**
-	1769m S	South and West Yorkshire Green Belt	Barnsley

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

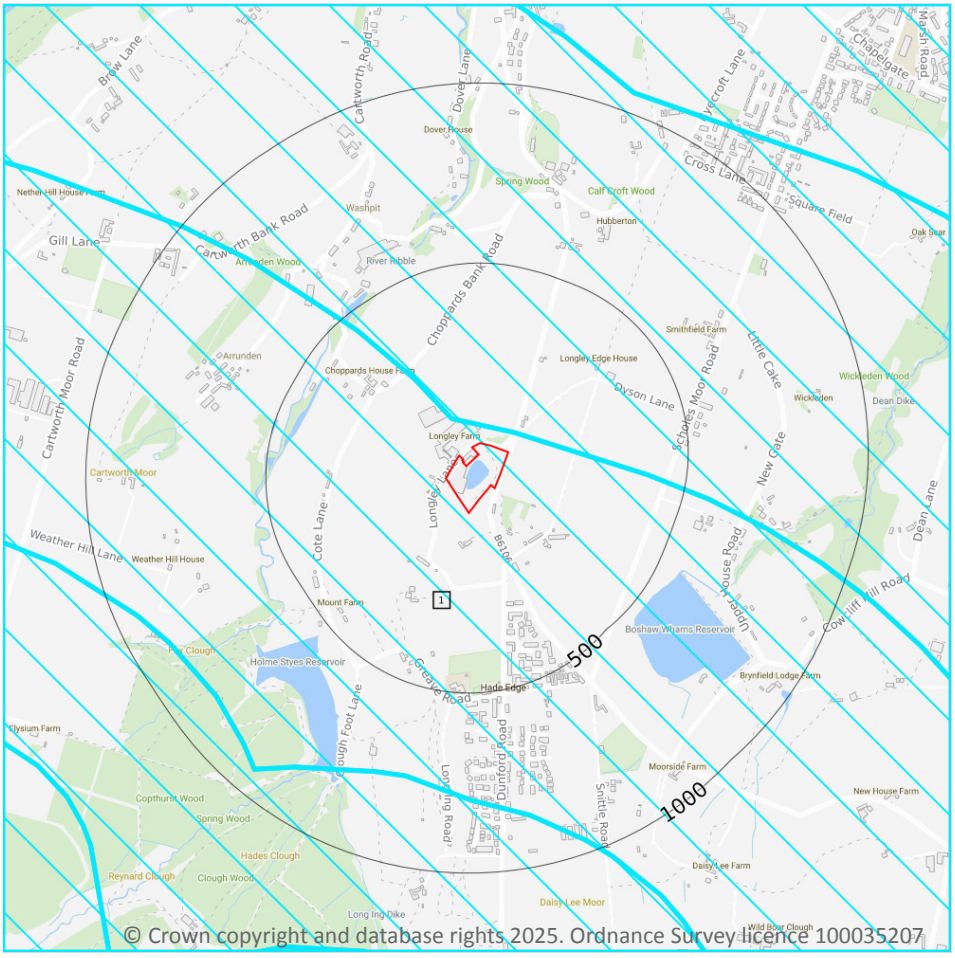
10.16 Nitrate Vulnerable Zones

Records within 2000m	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 63 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101000322302&notes=&location=419379,402206%20(IRZ%20polygon%20centre)**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	3

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 63 >**

ID: -
Location: 1751m S
SSSI name: Dark Peak
Unit name: Harden Clough
Broad habitat: Dwarf Shrub Heath - Upland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Upland moorland and grassland with water bodies	Favourable	29/11/2010
Golden plover, Pluvialis apricaria - A140, b	Favourable	29/11/2010
H4030 European dry heaths	Unfavourable - Recovering	30/09/2010
Merlin, Falco columbarius - A098, b	Favourable	29/11/2010
Subalpine dwarf-shrub heath	Favourable	29/11/2010

ID: -
Location: 1866m SW
SSSI name: Dark Peak
Unit name: Ruddle Clough Moss
Broad habitat: Bogs - Upland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Upland moorland and grassland with water bodies	Unfavourable - Recovering	29/11/2010
Blanket bog and valley bog (upland)	Unfavourable - Recovering	29/11/2010
Golden plover, Pluvialis apricaria - A140, b	Unfavourable - Recovering	29/11/2010
H7130 Blanket bog	Unfavourable - Declining	31/03/2009

Feature name	Feature condition	Date of assessment
Merlin, Falco columbarius - A098, b	Unfavourable - Recovering	29/11/2010

ID: -
Location: 1971m SW
SSSI name: Dark Peak
Unit name: Hades Peat Pits
Broad habitat: Dwarf Shrub Heath - Upland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Upland moorland and grassland with water bodies	Favourable	29/11/2010
Blanket bog and valley bog (upland)	Favourable	29/11/2010
Golden plover, Pluvialis apricaria - A140, b	Favourable	29/11/2010
H7130 Blanket bog	Partially destroyed	20/10/2008
Merlin, Falco columbarius - A098, b	Favourable	29/11/2010
Subalpine dwarf-shrub heath	Unfavourable - Recovering	29/11/2010

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

11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	0

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

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

11.5 Conservation Areas

Records within 250m	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations

Site Outline

Search buffers in metres (m)

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

12.1 Agricultural Land Classification

Records within 250m	1

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

Features are displayed on the Agricultural designations map on **page 68 >**

ID	Location	Classification	Description
1	On site	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	2

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.

Location	Reference	Scheme	Start Date	End Date
15m E	1459712	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
224m NW	1459712	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027

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.

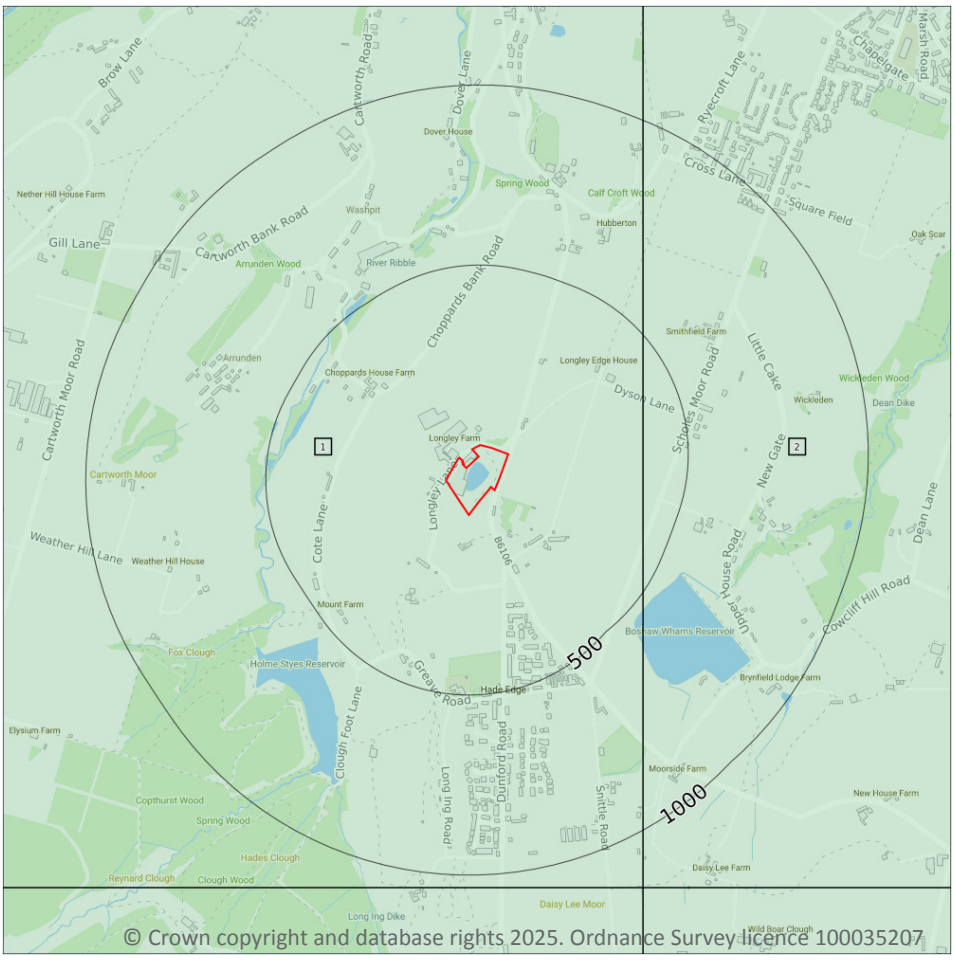
13.4 Limestone Pavement Orders

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



14.1 10k Availability

Records within 500m	2

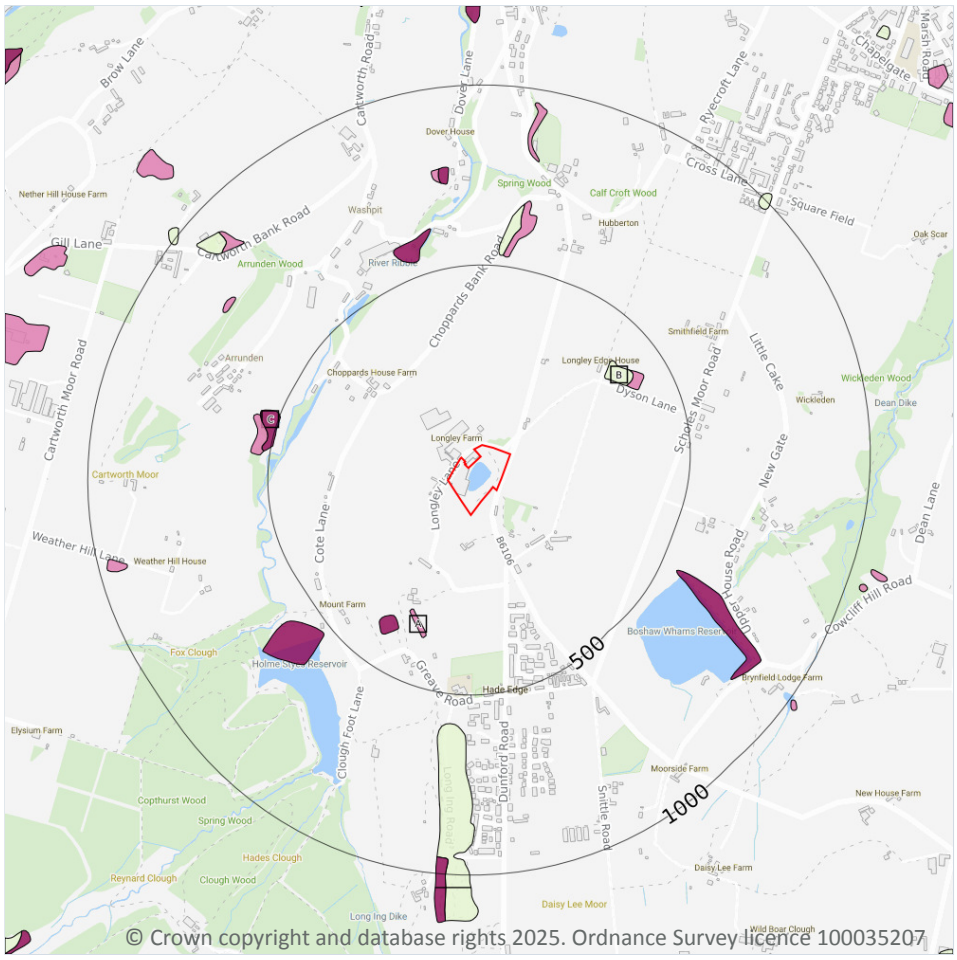
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 71 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SE10NW**
2	374m E	Full	Full	Full	Full	SE10NE

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

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

14.2 Artificial and made ground (10k)

Records within 500m	5

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

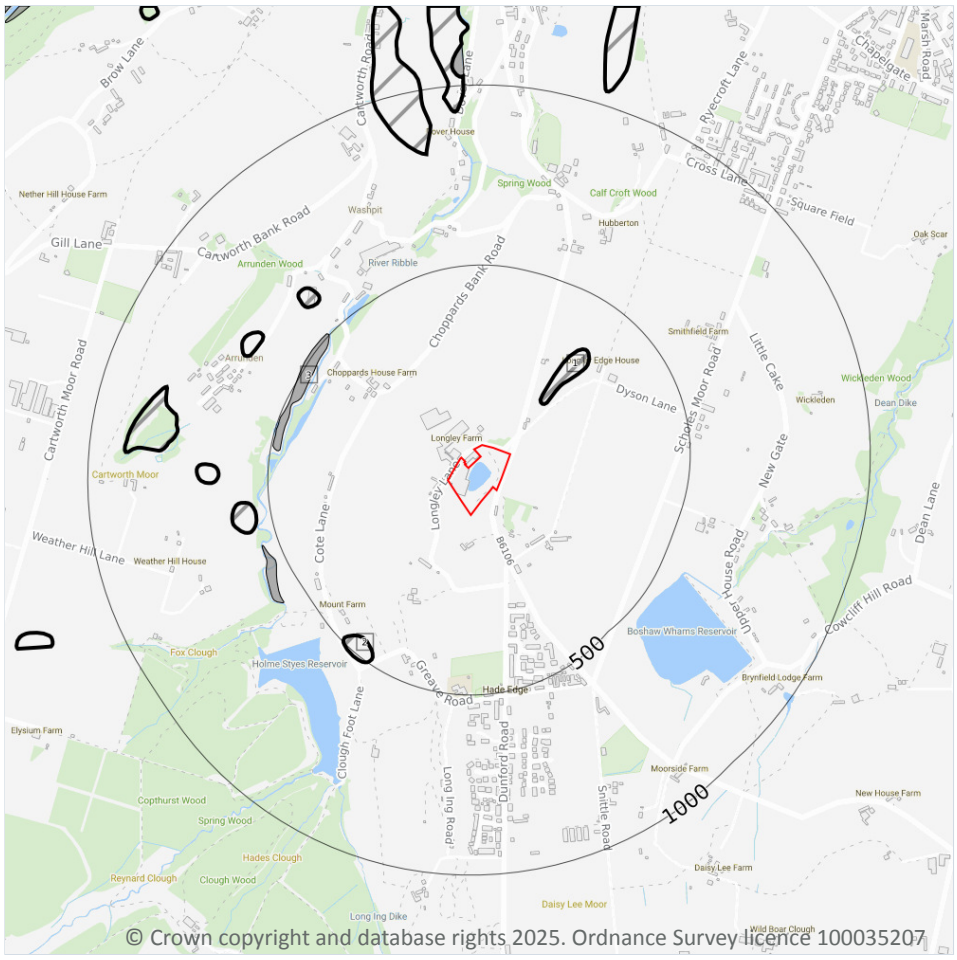
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 72 >**

ID	Location	LEX Code	Description	Rock description
A	306m SW	WGR-VOID	Worked Ground (Undivided)	Void
B	338m NE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
A	352m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
B	375m NE	WGR-VOID	Worked Ground (Undivided)	Void

ID	Location	LEX Code	Description	Rock description
C	495m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



14.3 Superficial geology (10k)

Records within 500m	1

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 74 >**

ID	Location	LEX Code	Description	Rock description
3	467m NW	ALV-CZ	Alluvium - Silty Clay	Clay, Silty

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m	2

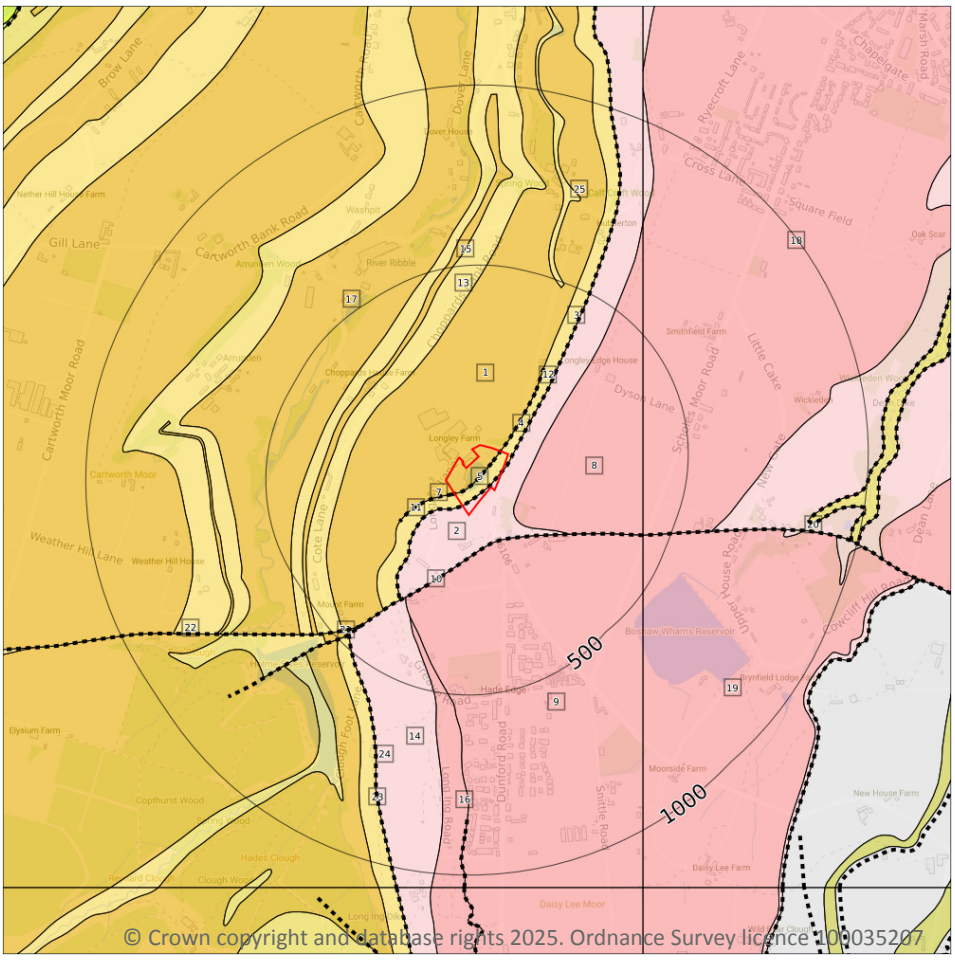
Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 74 >**

ID	Location	LEX Code	Description	Rock description
1	166m NE	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry
2	454m SW	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m	15

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

ID	Location	LEX Code	Description	Rock age
1	On site	HDW-SDST	Huddersfield White Rock - Sandstone	Marsdenian Sub-age
2	On site	ROSSE-MDSI	Rossendale Formation - Mudstone And Siltstone	Yeadonian Sub-age
3	On site	MARSD-MDSI	Marsden Formation - Mudstone And Siltstone	Marsdenian Sub-age

ID	Location	LEX Code	Description	Rock age
8	66m E	RR-SDST	Rough Rock - Sandstone	Yeadonian Sub-age
9	99m SE	RR-SDST	Rough Rock - Sandstone	Yeadonian Sub-age
13	258m NW	MARSD-MDSI	Marsden Formation - Mudstone And Siltstone	Marsdenian Sub-age
14	288m SW	ROSSE-MDSI	Rossendale Formation - Mudstone And Siltstone	Yeadonian Sub-age
15	309m NW	GSYG-SDST	Guiseley Grit - Sandstone	Marsdenian Sub-age
16	327m SW	RF-SDST	Rough Rock Flags - Sandstone	Yeadonian Sub-age
17	366m NW	MGG-SDST	Midgley Grit - Sandstone	Marsdenian Sub-age
18	374m E	RR-SDST	Rough Rock - Sandstone	Yeadonian Sub-age
19	429m E	RR-SDST	Rough Rock - Sandstone	Yeadonian Sub-age
21	432m SW	HDW-SDST	Huddersfield White Rock - Sandstone	Marsdenian Sub-age
23	470m SW	MARSD-MDSI	Marsden Formation - Mudstone And Siltstone	Marsdenian Sub-age
25	485m N	MARSD-MDSI	Marsden Formation - Mudstone And Siltstone	Marsdenian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**10**

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

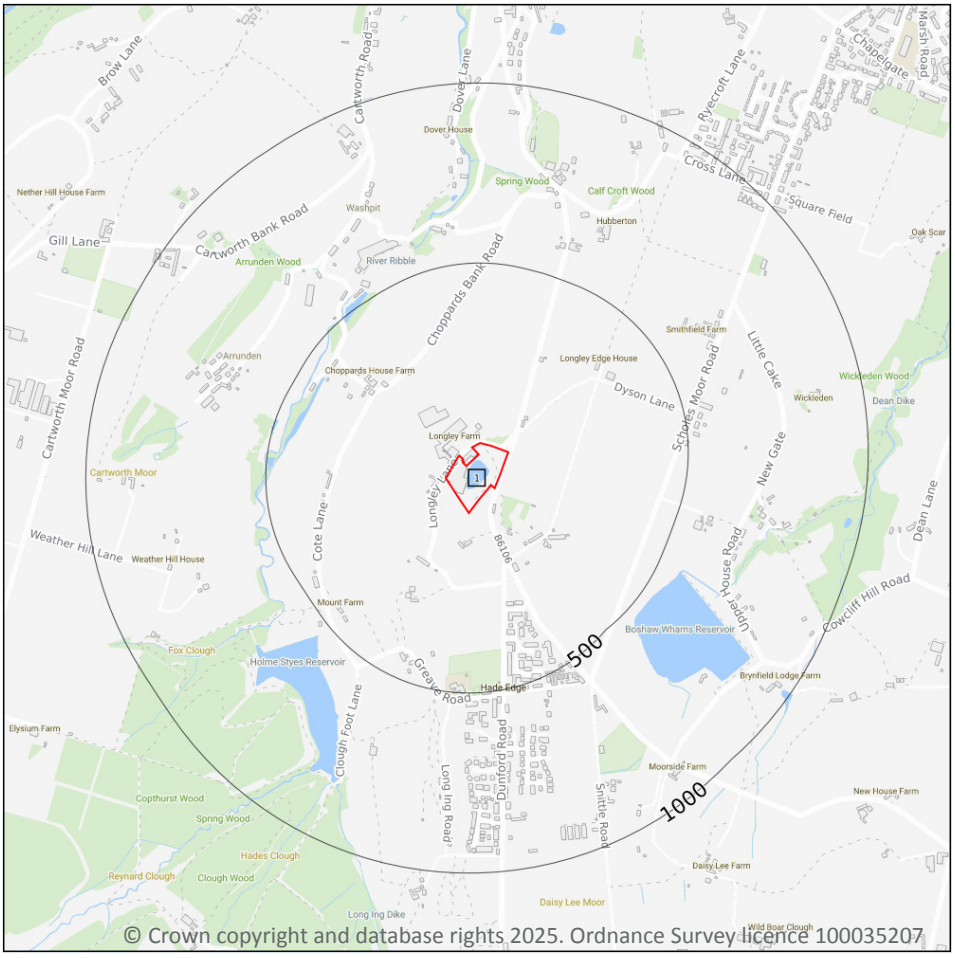
Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 76 >**

ID	Location	Category	Description
4	**On site**	**ROCK**	**Coal seam, observed ()**
5	**On site**	**ROCK**	**Coal seam, inferred ()**
6	**On site**	**FOSSIL_HORIZON**	**Fossil horizon, marine band ()**
7	8m SW	ROCK	Coal seam, observed ()
10	99m SE	FAULT	Normal fault, inferred; crossmarks on downthrow side
11	110m SW	ROCK	Coal seam, inferred ()

ID	Location	Category	Description
12	186m NE	ROCK	Coal seam, inferred ()
20	429m E	FAULT	Normal fault, inferred; crossmarks on downthrow side
22	432m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
24	470m SW	FOSSIL_HORIZON	Fossil horizon, marine band ()

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 79 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW086_glossop_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

15.4 Superficial geology (50k)

Records within 500m	0

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.

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

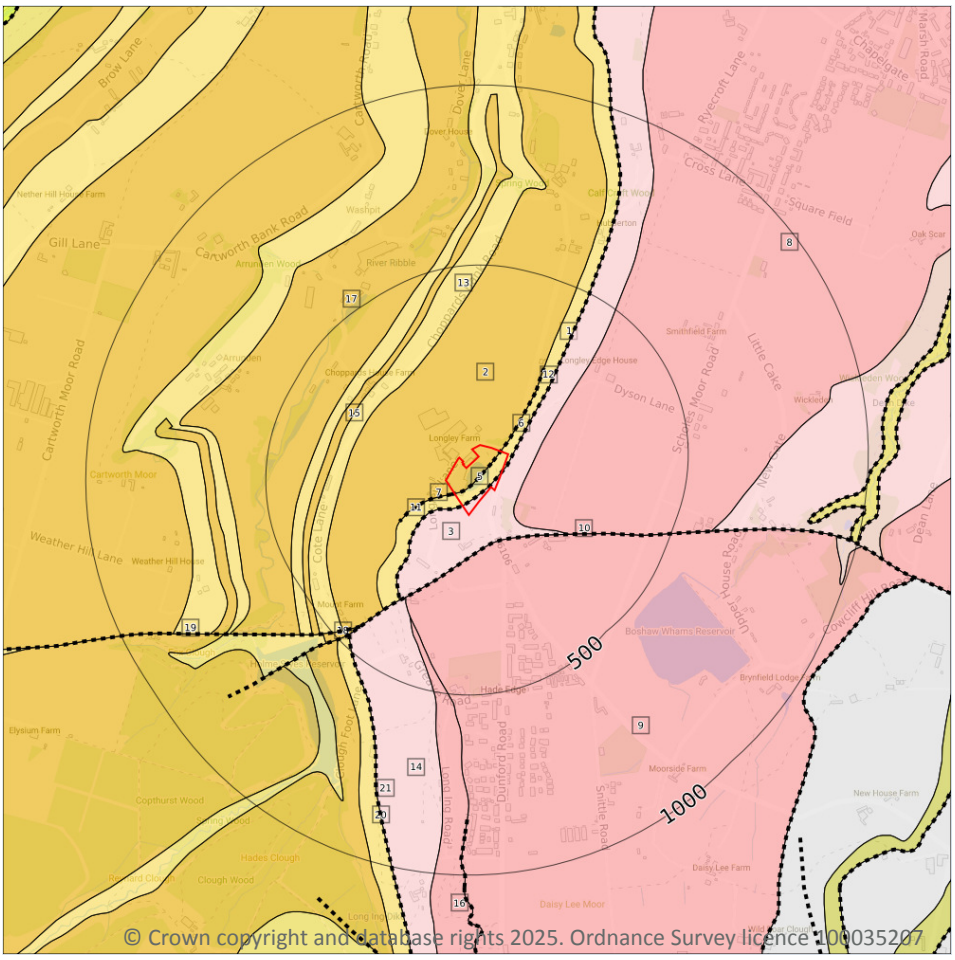
15.7 Landslip permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m	12

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 82 >**

ID	Location	LEX Code	Description	Rock age
1	On site	MARSD-MDSI	MARSDEN FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN
2	On site	HDW-SDST	HUDDERSFIELD WHITE ROCK - SANDSTONE	NAMURIAN
3	On site	ROSSE-MDSI	ROSSENDALE FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN

ID	Location	LEX Code	Description	Rock age
8	66m E	RR-SDST	ROUGH ROCK - SANDSTONE	NAMURIAN
9	100m SE	RR-SDST	ROUGH ROCK - SANDSTONE	NAMURIAN
13	257m NW	MARSD-MDSI	MARSDEN FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN
14	288m SW	ROSSE-MDSI	ROSSENDALE FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN
15	309m NW	GSYG-SDST	GUISELEY GRIT - SANDSTONE	NAMURIAN
16	327m SW	RF-SDST	ROUGH ROCK FLAGS - SANDSTONE	NAMURIAN
17	366m NW	MGG-SDST	MIDGLEY GRIT - SANDSTONE	NAMURIAN
18	432m SW	HDW-SDST	HUDDERSFIELD WHITE ROCK - SANDSTONE	NAMURIAN
20	470m SW	MARSD-MDSI	MARSDEN FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m **2**

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m **9**

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 82 >**

ID	Location	Category	Description
4	**On site**	**FOSSIL_HORIZON**	**Marine band**
5	**On site**	**ROCK**	**Coal seam, inferred**
6	**On site**	**ROCK**	**Coal seam, observed**
7	9m SW	ROCK	Coal seam, observed
10	100m SE	FAULT	Fault, inferred
11	111m SW	ROCK	Coal seam, inferred
12	186m NE	ROCK	Coal seam, inferred
19	432m SW	FAULT	Fault, inferred
21	470m SW	FOSSIL_HORIZON	Marine band

This data is sourced from the British Geological Survey.

16 Boreholes

Site Outline

Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m **4**

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

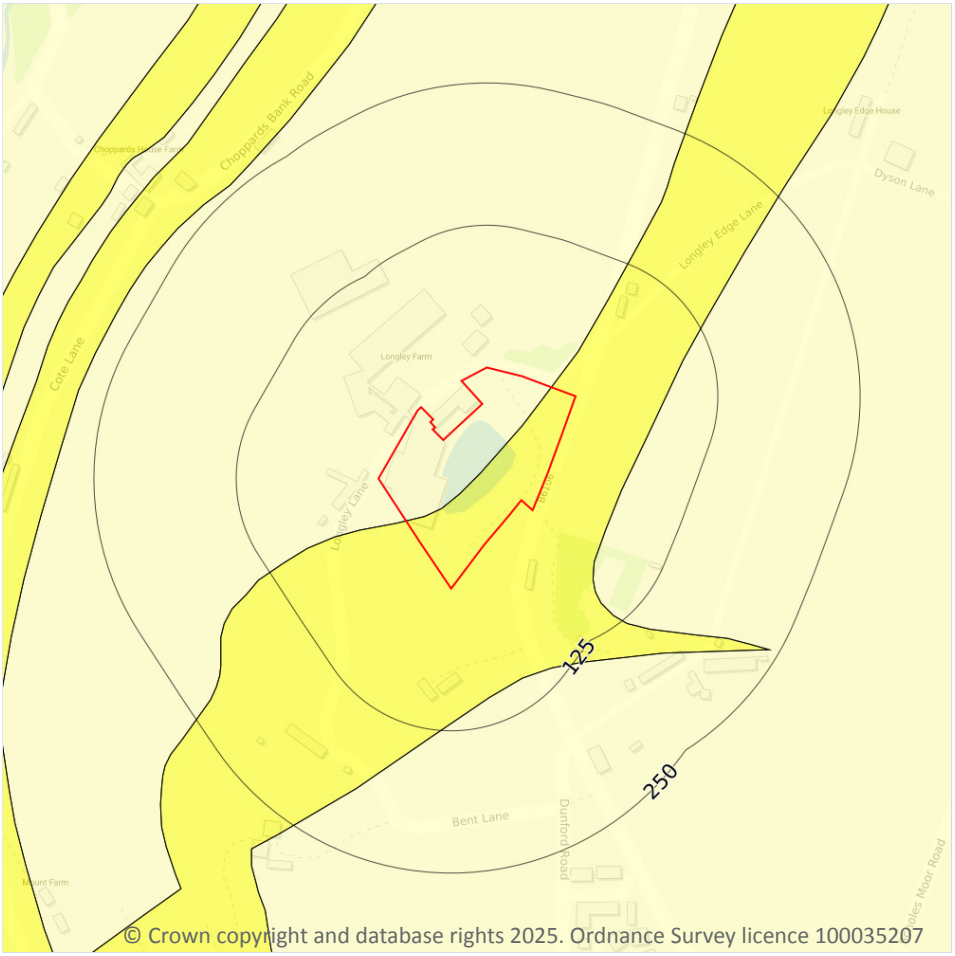
Features are displayed on the Boreholes map on **page 85 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	34m SE	414570 406050	B6106 UPPER LONGLEY TP2A	1.0	N	40669 ↗
A	49m SE	414590 406050	B6106 UPPER LONGLEY TP2	1.0	N	40668 ↗
B	52m SE	414570 406020	B6106 UPPER LONGLEY TP1A	1.0	N	40667 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
B	68m SE	414590 406020	B6106 UPPER LONGLEY TP1	2.0	N	40666 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	2

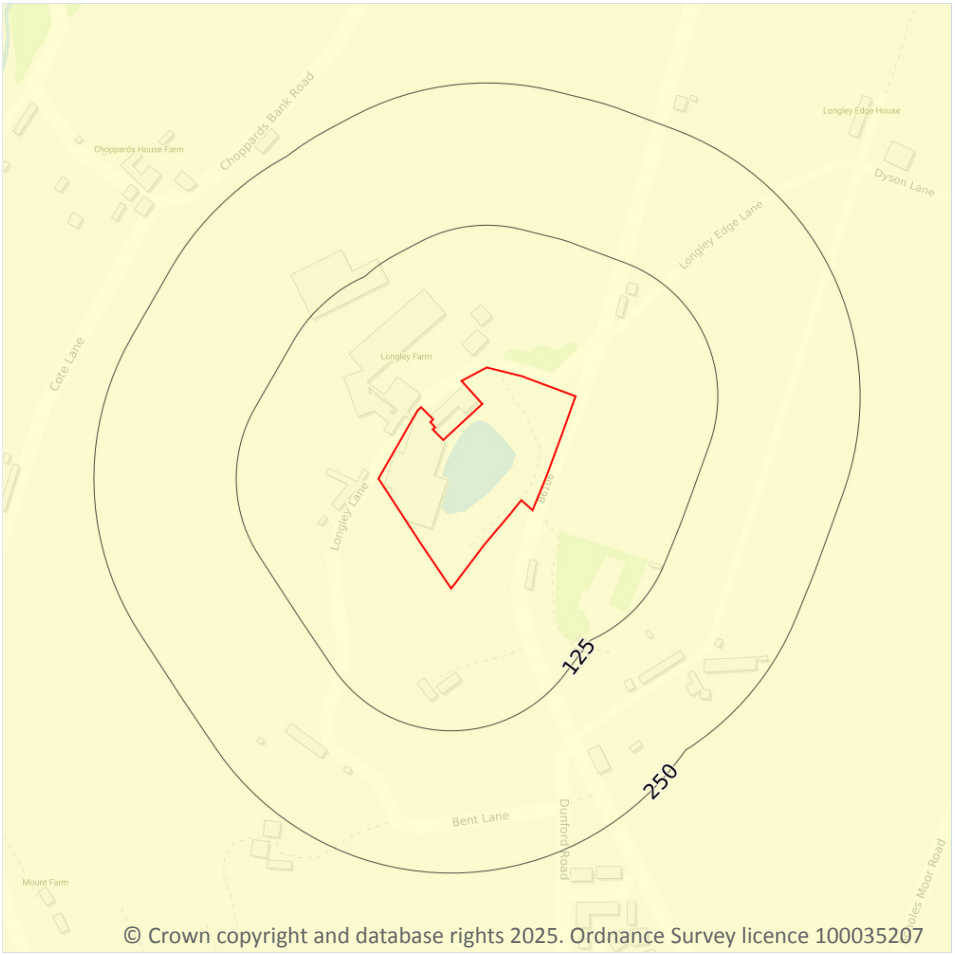
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 87 >**

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

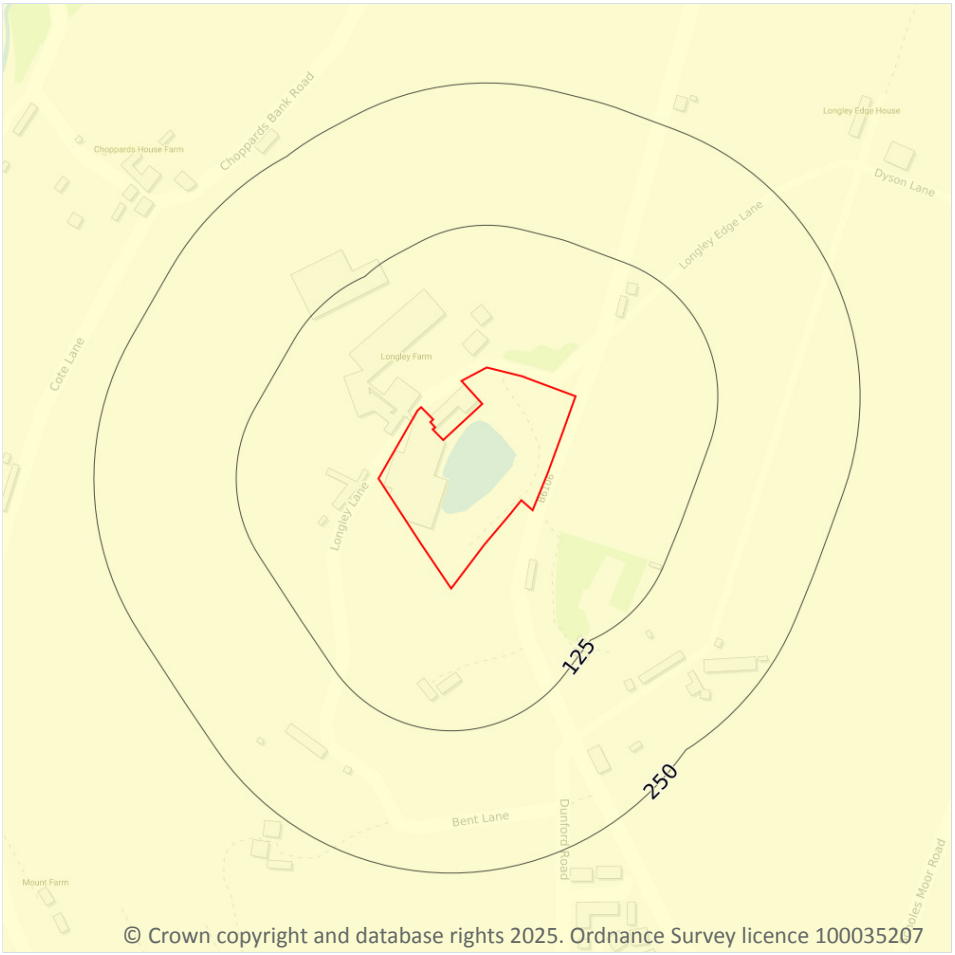
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 88 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	1

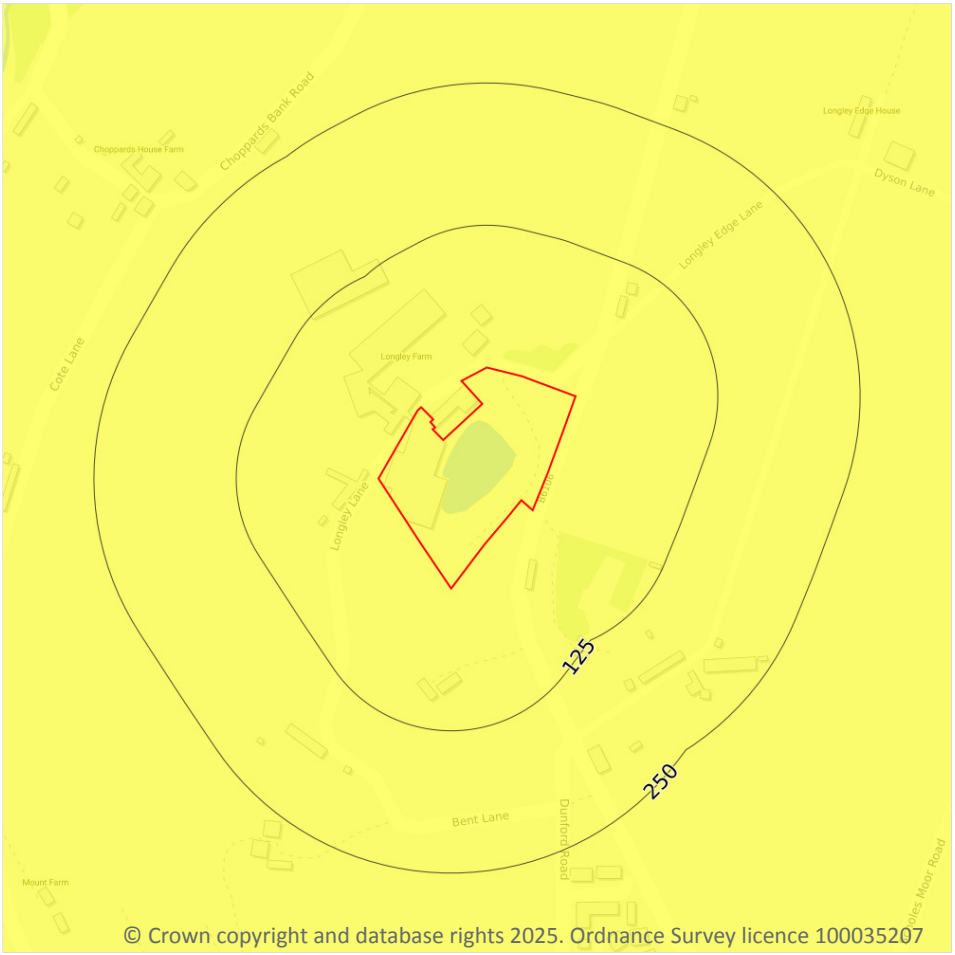
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 89 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	1

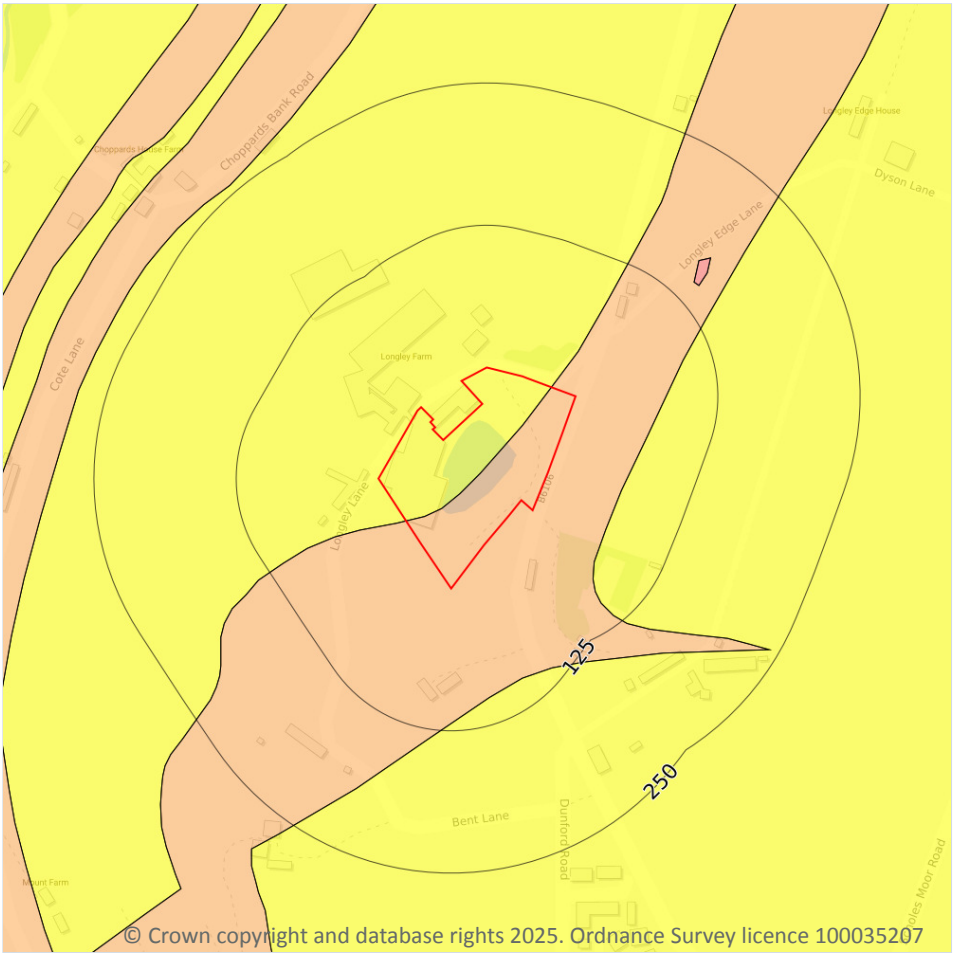
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 90 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	2

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

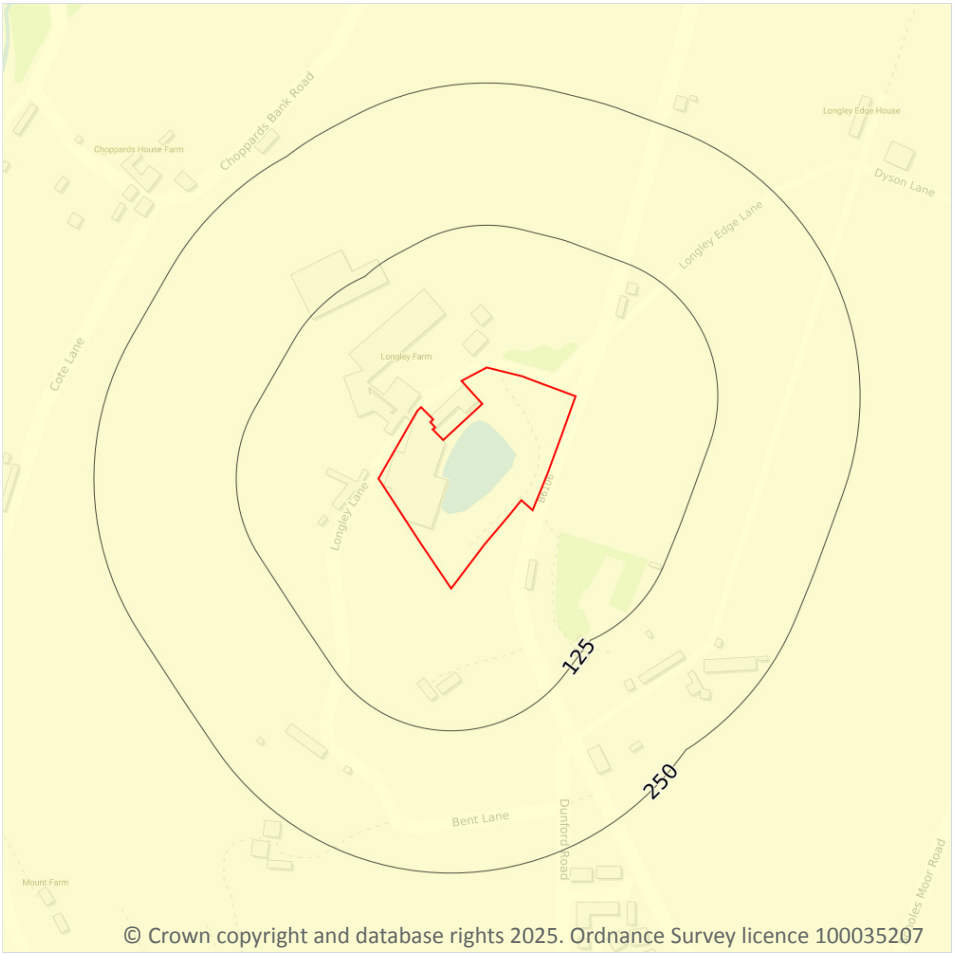
Features are displayed on the Natural ground subsidence - Landslides map on **page 91 >**

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

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



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

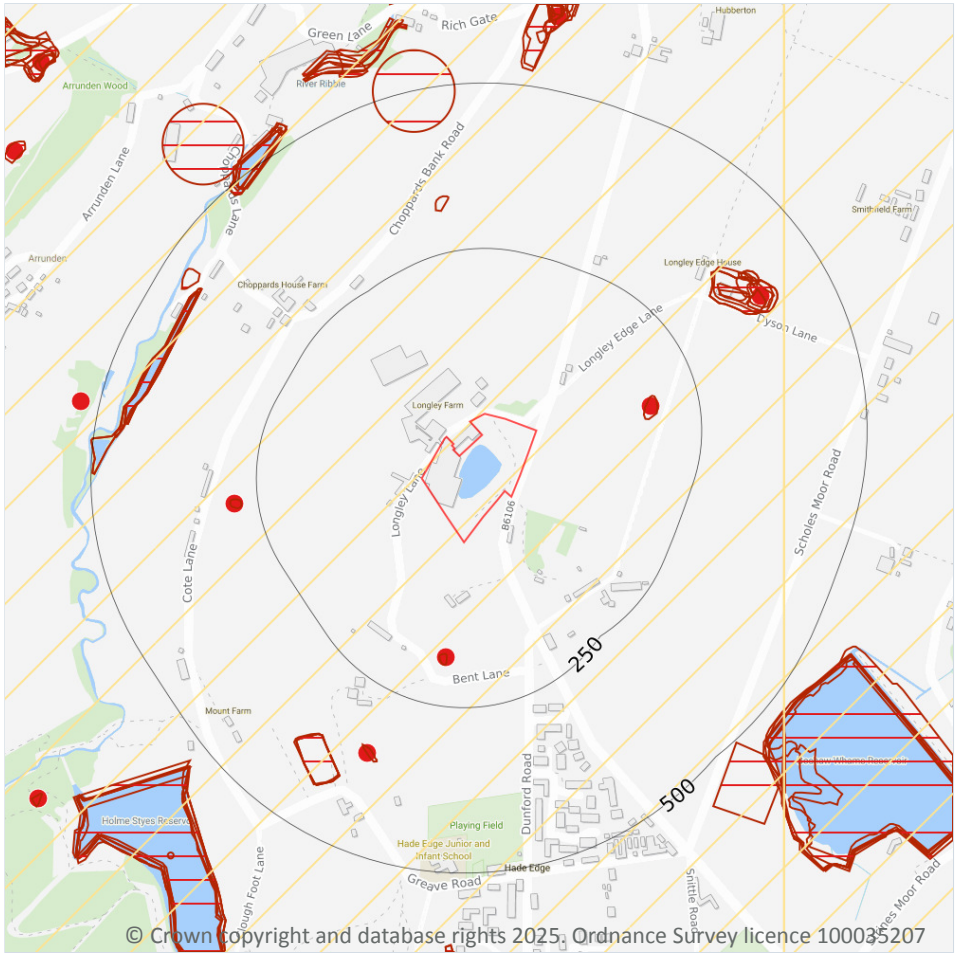
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 93 >**

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	5

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 95 >**

ID	Location	Details	Description
B	176m S	Name: Lane Quarry Address: Mount, HOLMFIRTH, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
A	177m E	Name: Longley Edge Address: Longley Edge House, Hepworth, HOLMFIRTH, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
C	285m W	Name: Hey Top Quarry Address: Hade Edge, HOLMFIRTH, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
E	351m SW	Name: Greave Quarry Address: Hade Edge, HOLMFIRTH, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
D	395m NE	Name: Longley Address: Dyson Lane, HOLMFIRTH, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	**2**

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 95 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	164m E	Sandstone Quarry	1854	1:10560
B	171m S	Sandstone Quarry	1854	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 is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	**0**

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	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 95 >**

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**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.**
3	374m E	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	1

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

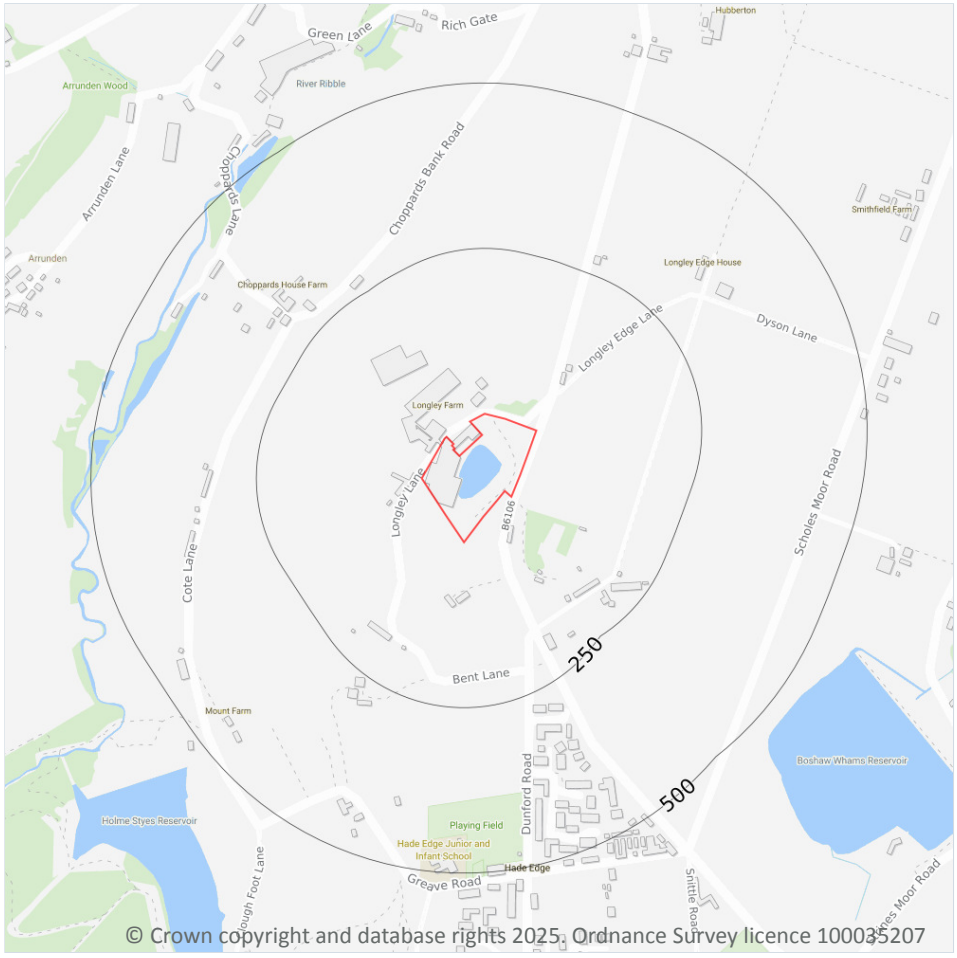
18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes



Site Outline

Search buffers in metres (m)

- Natural cavities (Area)
- Natural cavities (Point)
- Mining cavities
- Reported recent incidents
- Historical incidents

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	1

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.

Features are displayed on the Ground cavities and sinkholes map on **page 101 >**

ID	Location	Mine Address	Mineral
-	735m S	Hade Edge, West Yorkshire	Firestone, Freestone, Hearthstone, Honestone, Ragstone, Sandstone, Scythestone, Silver Sand, Whetstone

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

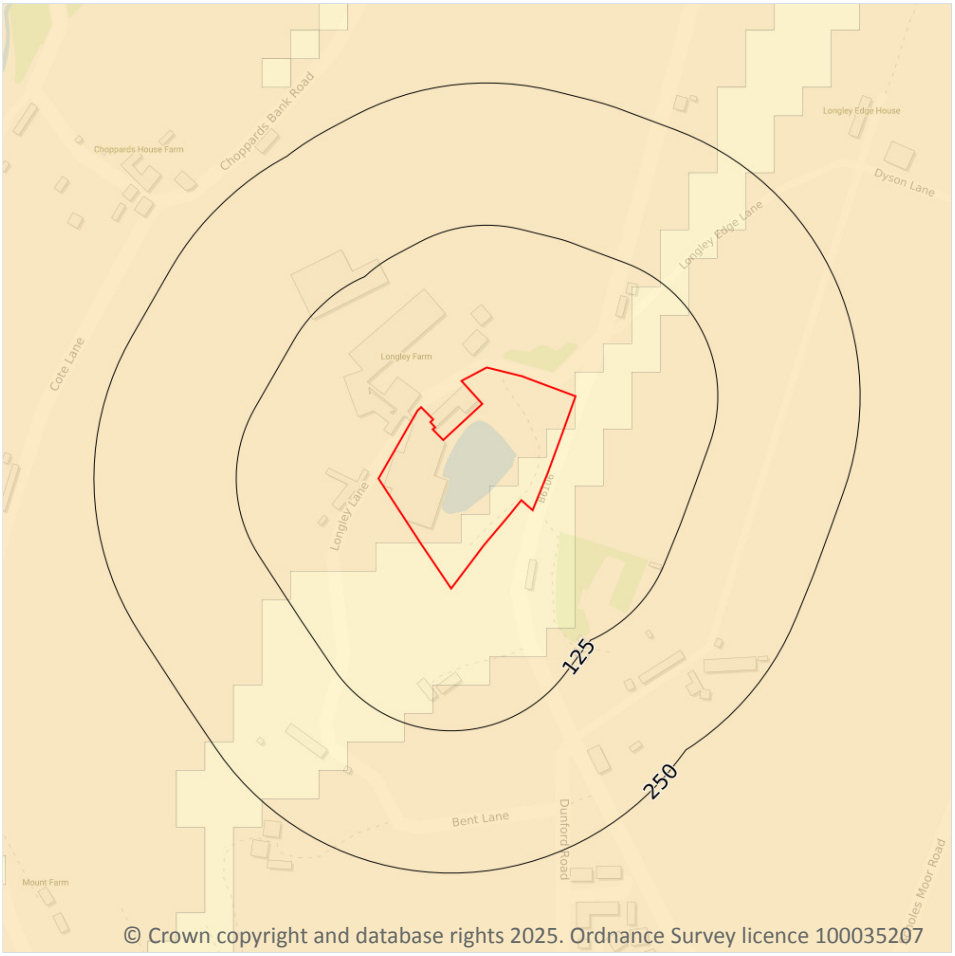
Records within 500m	0

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

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

This data is sourced from Groundsure.

20 Radon



Site Outline

Search buffers in metres (m)

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

20.1 Radon

Records on site	2

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 104 >**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 3% and 5%**	**Basic**

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	6

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 mg/kg**
35m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
38m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km^2).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

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 2

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

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

Terms and conditions

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

Appendix 4

Photographs

LONGLEY FARM DRONE SURVEY _CT SURVEYS July 2024