

Report No: C389
Date: August 2020

**PRELIMINARY INVESTIGATION
of land at
12B HILLHOUSE LANE, FARTOWN, HUDDERSFIELD**



Prepared for
Mr Toheed Ahmad

Prepared by
G&M Consulting Ltd, The Chestnuts, Brackenhill Road, Haxey, Doncaster DN9 2LR





REPORT NUMBER:	C389	REPORT STATUS:	Final
REPORT TYPE:	Preliminary Investigation		
REPORT DATE:	August 2020		
SITE:	12B Hillhouse Lane, Fartown, Huddersfield		
PREPARED FOR:	Mr Toheed Ahmad		
PREPARED BY:	A Swinbourne BSc. (Hons), MEnvSc, FGS, ACIEH.		
REVIEWED BY:	G Swinbourne BSc. (Hons), MSc., DIC, FGS		

This report is written for the sole use of Mr Toheed Ahmad or his representative. No other third party may rely on or reproduce the contents of this report without the written approval of G&M. If any unauthorised third party comes into possession of this report, they rely upon it entirely at their own risk and the authors do not owe them any of Duty of Care or Skill.

TABLE OF CONTENTS

1.0 INTRODUCTION.	2
2.0 SITE DESCRIPTION.	3
2.1 Site Location.	3
3.0 SITE HISTORY.	3
4.0 ENVIRONMENTAL SETTING.	5
4.1 Published Geology	5
4.2 GroundSure GeoInsight	5
4.3 Hydrology	5
4.4 Hydrogeology	5
4.5 Mining and Quarrying	5
4.6 Radon	6
4.7 Additional Environmental Information	7
5.0 PRELIMINARY CONCEPTUAL SITE MODEL.	8
5.1 Introduction	8
5.2 Assessment of Potential Sources of Contamination.	9
5.3 Potential Receptors.	10
5.4 Potential Pathways	10
6.0 CONCLUSIONS AND RECOMMENDATIONS.	12

APPENDICES**APPENDIX A – DRAWINGS**

C389/1	Site Location Plan
2017 01 C	Proposed Development Layout

APPENDIX B – GROUNDSURE REPORT

PRELIMINARY INVESTIGATION
of land at
12B HILLHOUSE LANE, FARTOWN, HUDDERSFIELD

1.0 INTRODUCTION.

G&M Consulting Ltd (G&M) was commissioned by Mr Toheed Ahmad, to undertake a preliminary investigation (desk study) of land at 12B Hillhouse Lane, Fartown, Huddersfield. It is understood that planning approval (2017/62/91132/W) has been granted by Kirklees Council for the development of the site with a ground floor extension to the existing commercial building, with further commercial and residential development above. The external parts of the site are shown to comprise carparking, with no apparent areas of soft landscaping. This report has been prepared in support of the discharge of Condition 3 of the approval.

The layout drawing for the proposed development is shown on Drawing No 2017 01 C, dated January 2017, prepared by Colne Valley Design and presented in Appendix A of this report.

The aims of this investigation are as follows;

- To determine the land use history of the site from an inspection of available historical Ordnance Survey (OS) plans;
- To determine the environmental setting of the site, including the details of the geology, hydrogeology and hydrology;
- To determine the likelihood of shallow mine workings beneath the site;
- To determine whether the site had previously been used for any purpose that may have given rise to significant ground contamination;
- Develop a Preliminary Conceptual Site Model; and,
- To provide recommendations for any further works, if required.

As part of the desk study, information was sourced from GroundSure Limited (GroundSure), British Geological Survey (BGS), The Coal Authority (CA), The Environment Agency (EA) and Building Research Establishment (BRE). A site inspection (walk-over survey) was also carried out by a G&M Geologist on 23rd July 2020.

The site has been subject to previous intrusive works, which comprised a shallow mining investigation, undertaken by others. Where necessary, the findings of this work, are presented in following sections of this desk study report.

This report is based on the data obtained from the preliminary investigation, it is limited to that data, and responsibility cannot be accepted for conditions not revealed by the investigation. Any diagram or opinion of the possible configuration of the ground conditions is conjectural and given for guidance only.

During the course of the site walk-over G&M did not note the possible presence of Japanese Knotweed on the subject site. However, it should be borne in mind G&M are not qualified ecologists and as such cannot guarantee the absence of knotweed or other invasive vegetation. If necessary, the possible presence of such vegetation should be confirmed by a qualified ecologist.

This report is intended for the sole use of Mr Toheed Ahmad or his representative. No other third party may rely upon or reproduce the contents of this report without the written authorisation of the report author. If any unauthorised third party comes into possession of this report they rely on it at their own risk and the author does not owe them any Duty of Care or Skill.

2.0 SITE DESCRIPTION.

2.1 Site Location.

The site is located close to the junction of Hillhouse Lane and Bradford Road (A641), approximately 1 km north of Huddersfield town centre at National Grid Reference SD 809 141. A site location plan is shown on Drawing No. C389/1, presented in Appendix A of this report.

2.2 Site Features.

The site is an irregular shaped piece land, approximately 0.09 Ha in size; The ground level generally slopes to the east with a slight incline. Typically the plot lies at a level of approximately 77m above Ordnance Datum. The long axis of the site is aligned east - west. A small retaining wall was noted along the eastern edge of the site, with the footpath adjacent to the site lying approximately 1m below site level.

The site currently consists of two buildings, a larger flat roof brick structure, housing two restaurants and a sweet shop in the centre of the site, and a smaller brick built flat roofed structure which houses a coffee shop, in the western part of the site.

The area to the north of these buildings is currently hardstand and used as parking and is accessed off Hillhouse Lane, a small grassed area is noted above the retaining wall to the east of the building.

The site is bounded to the south and west by gardens of residences off Bradford Road and Halifax Old Road. A small garage was noted in the south of the site, which was noted to be in a good state of repair with no visual or olfactory evidence of any contamination. A small grassed area containing some tipped furniture was noted within the southern area of the site, close to the delivery doors for the retail units in the main central building.

A set of site condition photographs have been retained by G&M for inspection, if required.

3.0 SITE HISTORY.

A GroundSure report was commissioned, as part of this investigation, in order to review the environmental and regulatory information for the site and the immediate surrounding area. A copy of the report is presented in Appendix B of this report. A summary of the findings of the report and the general setting of the site is described in the following sections.

The GroundSure report contains historical Ordnance Survey maps which have been reviewed. Below is a summary of the salient points relating to the history of the site, dated from 1854. It is not the intention of this report to describe, in detail, all the changes that have occurred on or adjacent to the site, only those pertinent to the proposed development. This approach is intended to reduce uncertainty in the desk study review process to an acceptable level in line with BS10175:2011+A2:2017.

Date (Scale)	Site Usage	Surrounding Area Usage
1854 (1:10,560) County Series	Site shown as being developed (although unable to assess by what)	- Unlabelled road adjacent to the northern and eastern boundaries of the site - Clough House Mill Beck shown running approximately 170m to the south - Huddersfield town centre shown approximately 1200m to the south of the site - L&NWR railway shown running approximately 200m to the east 'Sir John Ramsdens' canal shown approximately 300m to the east
1899/1892 (1:10,560) & 1890 (1:500) & 1893 (1:2,500) County Series	Site appears to be developed with residences.	- Significant residential development adjacent to all boundaries of the site. - Warehouse shown approximately 40m to the north west - Waggon and Horses Inn shown approximately 20m to the east - Old shaft shown approximately 500m to the north east - Road adjacent to the east of the site now labelled Bradford Road
1905 (1:10,560) & 1907 (1:2,500) County Series	No significant change.	- Chemical works approximately 500m to the east. 'Albany Printing Works' shown approximately 480m to the south
1918 (1:2,500) County Series	No significant change	- Warehouse to the north west of the site now shown as a laundry - Railway line shown approximately 120m to the west of the site
1930/1931 (1:10,560) & 1932 (1:2,500) County Series	No significant change	- Further predominantly residential development to the north and north west of the site. 'Britannia Works' shown approximately 700m to the west - Laundry to the north west of the site now shown as 'Midland Mills'
1938 & 1948 (1:10,560) County Series	No significant change.	Gas works shown approximately 750m to the south east
1956 (1:10,560) Provisional & 1958/1960 (1:2,500) & 1959 (1:1,250) National Grid	Residential properties appear to have been removed. Small unlabelled buildings shown in the north eastern part of the site	Road adjacent to the north of the site now labelled 'Hillhouse Road'
1965/1966 (1:10,560) Provisional	No significant change	No significant change.
1972/1975 (1:1,250) & 1975 (1:10,000) National Grid	Site now shown as occupied by a warehouse	Railway to the west of the site now shown as 'dismantled'
1985/1988 (1:10,000) & 1986/1990, 1989/1992 (1:1,250) National Grid	Site now shown as occupied by a 'works'	No significant change.
1993 (1:1,250) National Grid	No significant change.	No significant change
2001 (1:10,000) National Grid & 2003 (1:1,250) LandLine	No significant change.	Single dwelling now shown close to the western boundary of the site, where the terrace houses formally were.

2010 & 2020 (1:10,000) National Grid	No significant change.	No significant changes noted.
--	--	---

4.0 ENVIRONMENTAL SETTING.

4.1 Published Geology

Maps/publications referenced	1:50,000 Sheet 77 (Huddersfield) Solid Edition & Drift Edition, 2003 BGS online Geoindex interactive map. Groundsure GeoInsight report.
Drift Geology	On site – None recorded.
Solid Geology	Middle Bank Rock– Sandstone; unnamed beds of mudstones, siltstones and sandstones – Pennine Lower Coal Measures Formation. The Middle Band coal is conjectured to outcrop on site.
Dip	None shown locally.
Faults	Inferred normal fault shown approximately 10m to the south west of the site, trending NW-SE

4.2 GroundSure GeoInsight

The GroundSure report contains a GeoInsight report, this presents the published geology, as detailed above together with a risk assessment on potential geological hazards. All risks identified as less than moderate are not discussed further. All identified natural hazards at the site are deemed to be low, very low or negligible.

4.3 Hydrology

According to the GroundSure report, there is “Negligible” risk for “Maximum BGS Groundwater Flooding susceptibility on site” and a “Low” risk for “Maximum BGS Groundwater Flooding susceptibility within 50m”

According to the GroundSure report the site is not located on a fluvial indicative floodplain.

The GroundSure report indicates there is one surface water feature within 250m of the site, this is shown 161m to the south west of the site, and referenced ‘Hebble Beck’ and is classified as a watercourse containing water year round (in normal circumstances)

The site is not shown to be within a “Nitrate Sensitive Area” or a “Nitrate Vulnerable Zone”.

4.4 Hydrogeology

Information contained in the GroundSure report, provided by the EA indicates that there are no identified superficial deposits present beneath the site.

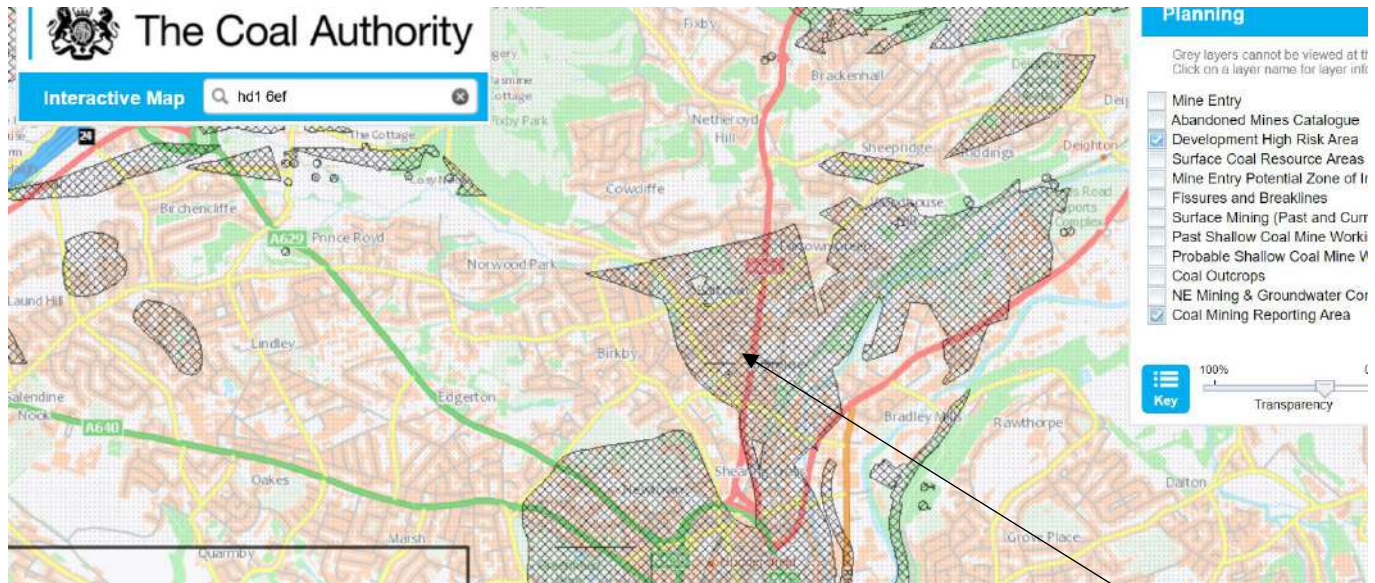
Information provided by the EA indicates that the underlying bedrock (Pennine Lower Coal Measures) is also classified as a ‘Secondary A’ aquifer which is defined as having;

‘Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.’

The site is not shown to be within any defined Source Protection Zone.

4.5 Mining and Quarrying

According to the CA interactive map (available online and reproduced below) shows that the site lies within a ‘development high risk area’.



Reproduced with permission of @ Coal Authority. All rights reserved. (<http://mapapps2.bgs.co.uk/coalauthority/home.html>)

The Site

The site has been subject to previous intrusive investigations for the purposes of the assessment of shallow coal workings beneath the site. The work was carried out by Abbeydale BEC Ltd, and presented under cover of Report No 551079MI, dated May 2015.

The salient points of the report, which included details of a mining risk assessment and information provided by the CA, are detailed below;

- *The CA report, indicates the property is in the likely zone of influence from workings in one seam of coal at shallow depth, last worked in 1848.*
- *The Middle Band coal is shown on the geological maps to outcrop within the site boundary. The memoir states that this coal generally has a thickness of upto 30cm, and is described as having no commercial importance.*
- *The next coal seam in the geological sequence is the Soft Bed coal, found roughly 15m below the Middle Band coal.*

The fieldwork undertaken comprised the drilling of three open-hole boreholes to depths of between 19.9m and 20.2m below ground level (bgl). The report recorded the following;

The Soft Bed coal was not recovered from any of the three boreholes. BH1 recorded a zone of fast drilling between 18.8m to 19.3m bgl. Flush was completely lost at this point so there were no arisings meaning that the strata could not be identified. In BH2 flush was completely lost at 18.3m bgl, but the drilling speed did not increase. BH3 recorded a void between 18.8m and 19.1m bgl, and a complete lost of flush.

Inspection of the OS Plans has revealed no evidence of quarrying on the site, or within the immediate.

4.6 Radon

The GroundSure report contains information on Radon Affected Areas as defined by the Health Protection Agency (HPA) and indicates that the site is within an area where 1-3% of properties are affected by Radon, and therefore:

- **“No Radon protection measures are necessary”.**

4.7 Additional Environmental Information

The GroundSure report, presented in Appendix B, also contains information on other potential pollution sources on and off site, a summary of these are presented below together with recommendations for further consideration.

Source	Location	Discussion	Does source warrant further consideration
Historic Tanks	On site	None identified.	No
	Within 500m	4 No records identified, the closest lies 82m south-east of site, dating to 1890.	
Historic Energy Facilities	On site	None identified.	No
	Within 500m	4 No. recorded, the closest is noted to be 70m south of the site and is noted to be an electrical substation dated 1993.	
Petrol and Fuel sites	On site	None identified.	No
	Within 250m		
Garage/Motor Vehicle Repair	On site	None identified.	No
	Within 500m	10 No records, the closest is noted to be 142m north-east, dated 1992	
Infilled Land	On site	None identified	No
	Within 500m		No
Environmental permits/incidents/registers	On site	None identified	No
	Within 250m		
Licenced/Permitted/Authorised industrial sites	On site	None Identified	No
	Within 250m	33 No. licensed industrial sites noted. All are shown as 80m north west of the site. Operated by James Robinson Ltd as 'Manufacture And Use Of Organic Chemicals'. The majority are noted as 'Superseded by Variation'	No
Part A1/IPC Authorisations	On site	None identified	No
	Within 250m		
Red List discharge consents	On site	None identified	No
	Within 500m		
Dangerous substances	On site	None identified	No
	Within 500m		
A2/Part B Activities/Enforcements	On site	None identified	No
	Within 500m	1 No licensed pollutant release noted, 173m to the west operated by Benjamin Shaw & Sons Ltd. Relating to 'Waste Oil Burner'. No enforcements notified	
Radioactive substances	On site		No

Source	Location	Discussion	Does source warrant further consideration
	Within 500m	None identified	
Licenced Discharge Consents	On site	None identified	No
	Within 500m	4 No shown, the closest of which is shown 178m to the west, relating to sewage discharges.	
Water Industry Referrals	On site	None identified	No
	Within 250m		
Hazardous Substances	On site	None identified	No
	Within 250m		
Pollution Incidents	On site	None identified	No
	Within 250m	1 No shown 48m south. The pollutant was recorded as 'Firefighting Run-off'	
Historic Landfill Sites	On site	None identified	Yes
	Within 500m		
Waste treatment, transfer or disposal sites	On site	None identified	No
	Within 500m	LA records show 2 No, noted 254 and 255m east of the site, referenced 'Incinerator', dated 1982 and 1993 respectively.	
Underground cables/pipelines	On site	None identified	No
	Within 500m		
Current Industrial Sites Data	On site	On site identified as 'works' – unspecified Works or Factories	Yes
	Within 250m	13 no. recent industrial uses, the closest is noted to be an electricity substation 75m south of the site.	No
Historic Industrial Sites Data	On site	None identified	No
	Within 250m	42 No. identified, the closest is a railway siding shown 118m north west of the site on the plan dated 1938. Most other uses are relating to cuttings and railway sidings in the same location.	

5.0 PRELIMINARY CONCEPTUAL SITE MODEL.

5.1 Introduction

The findings of the desk study have been used to identify and assess potential sources of contamination and to develop a preliminary conceptual model of the site in order to investigate potential pollution linkages and identify complete pollutant linkages that may require further investigation or analysis and/or remediation. This approach is in line with CLR11 (Model Procedures for the Management of Land Contamination - Environment Agency 2004).

The scope of the model is intended primarily to identify potential impacts to human health and environmental receptors from potential on-site and off-site contamination sources.

Source-Pathway-Receptor elements within the model are defined as follows:

Contaminant Source	A hazardous substance or agent, present at levels that have the potential to cause harm or damage a receptor.
Receptor	An entity (human, aquatic environment, flora and fauna etc) that is vulnerable to the adverse effects of the contaminant.
Pathway	The means by or through which a contaminant comes into contact with or otherwise effects a receptor.

Where all three elements are present, the relationship is termed a complete ‘pollution linkage’. It should be recognised that for a health or environmental harm to occur and for potential unacceptable risk to exist, all three elements of the relationship or linkage must be present.

In line with CLR11:2004, the purpose of the site specific conceptual model is to support:

1. Hazard assessment – analysis of the potential for unacceptable risk: pathways and receptors that could be present.
2. Risk estimation – a prediction of the magnitude and probability of the possible consequences of any exposure: what degree of harm may result and the likelihood of harm.
3. Risk evaluation – decision as to whether a risk is unacceptable.

It should be noted that if a potential contaminant source is identified but there is no receptor present that can be adversely affected, no harm or damage can arise. Similarly, even where both a contaminant and a receptor are present, no harm or damage will occur if there is no pathway by or through which a linkage between the two can be established and therefore a risk may be acceptable.

In assessing risk, the categorisation shown below has been developed. The table is intended to be an aid to assessing the degree of risk. It should be noted that in terms of Part 2A of the Environmental Protection Act 1990 (as amended) there is no differing degree of risk. It is either ‘significant’ or not.

Term	Description
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the site without appropriate remedial action
High Risk	Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remedial action
Moderate Risk	It is possible that without appropriate remedial action harm could arise to a designated receptor. It is relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely that such harm would be relatively mild.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely that, at worst, if any harm was realised any effects would be mild.
Negligible Risk	The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.

5.2 Assessment of Potential Sources of Contamination

Potential sources of contamination have been assessed which include both current and historical on-site sources together with those originating from off-site locations which may migrate onto the site.

Historical maps depicting the area indicate that the site was occupied by probable residences until sometime before 1956, when the buildings were cleared. The plan dated 1972 shows the site to be occupied by a 'warehouse', which on the plan dated 1985 is labelled 'works', which is considered to represent the building currently present on site (which is occupied by restaurants and a sweet/pastry shop).

Potential sources of off site contamination appear to relate to an industrial site approximately 80m north west of the recorded as 'manufacture and use of organic chemicals' and an electricity substation recorded approximately 70m south of the site. It is considered that the historical uses of the surrounding area would lead to a **negligible/low** potential for sources of contamination.

5.3 Potential Receptors

The following potential receptors have been identified for the site:

Receptor	Details
Human Receptors	Future site occupiers
	Construction workers
Controlled Waters	Coal Measures – mudstone, siltstone, sandstone (Secondary A aquifer)
Built Development	Building foundations/substructures and utility connections.

5.4 Potential Pathways

Taking into account the intended use of the site, the following potential pathways by which the above receptors and sources may be linked as follows;

Receptor	Pathway
Human (Future site users, construction workers)	Ingestion of soil/soil dust Dermal contact with soil/soil dust Indoor inhalation of ground gas/vapours
Controlled Waters	Percolation and mobilisation of contaminants within any shallow soils into the Secondary A aquifer.
Built Development	Direct contact with aggressive ground conditions via migration and/or percolation out of the ground

5.5 Qualitative Risk Assessment

The findings of the desk study, and source receptor pathway analyses, have been accounted for and assessed in the conceptual model presented below. The purpose of the model is to determine the potential linkage(s) existing on the site, and the likelihood of the linkage being present and determining a consequent level of risk.

Preliminary Conceptual Site Model

Source	Risk	Potential Contaminants	Likely Exposure Pathway/s	Receptor/s	Probability Assessment	Complete Potential Pollutant Linkage
Made Ground (On-site)	Negligible/Low	Inorganic and organic contaminants	Skin contact Ingestion	End users (commercial/residential) and construction workers	Unlikely – Limited if any made ground present. Site shown occupied by residences up to sometime before 1956. A 'warehouse'/'works' is shown on the site from at least 1972	Unlikely – No further assessment / investigation required.

					Site currently predominantly surface covered with hardstand either by small retail units or areas of tarmacked carparking. No pollutant linkage between current/future site occupiers and any underlying made ground. No pollution incidents recorded for the site. Site walkover noted no obvious evidence of contamination. No areas of soft landscaping indicated within the proposed new development. All areas shown as hardstanding.	
	Negligible	Inorganic and organic contaminants	Leaching/migration of contaminants through soil	Controlled waters	Unlikely – Rationale as above.	Unlikely – Further assessment / investigation required.
	Negligible/Low	Vapours and fumes from hydrocarbons	Inhalation	End users (residential)	Unlikely – No evidence of any former uses of the site likely to give rise to hydrocarbon contamination.	Unlikely – No further assessment / investigation required,
	Low	Hydrocarbons	Water supply pipes	End users (Commercial/residential)	Unlikely – Rationale as above.	Unlikely - No Further assessment / investigation required.
	High	Asbestos	Inhalation	End users (Commercial/residential) and construction workers	Possible – Considering the likely age of the existing building asbestos containing materials may be present within the fabric of the building.	Likely - Further assessment / investigation required.
Made Ground (On site)	Negligible/Low	Ground Gas	Inhalation / explosions risk in confined spaces.	End users (Commercial/residential)	Unlikely – No evidence of any former uses of the site likely to give rise to sources of ground gas. The site is not underlain by organic rich alluvial soils. The site is not shown to be underlain by superficial soils. No landfills shown with 500m of the site. The site is not within a Radon Affected Area.	Unlikely – No further assessment / investigation required.
Shallow Coal Workings (Beneath site)	Moderate	Ground Gas		End users (Commercial/residential) and buildings/structures	Possible – CA interactive map shows the site to lie within a 'Development High Risk Area' Previous intrusive investigation work indicates presence of workings beneath site. The historical report also assesses a very high risk of unrecorded shafts on site	Likely - Further assessment / investigation required.
Made Ground (off site) – Works 80m North used for 'manufacture and use of organic chemicals'. Electricity substation 70m South	Negligible	Mobile inorganic and organic contaminants	Leaching/migration of contaminants through soil	Controlled waters	Unlikely – No evidence of any former uses of the site likely to give rise to sources contamination No superficial deposits are recorded on the site. However, site underlain by Secondary A Coal Measures) likely to stop lateral migration onto the site from off-site sources. No pollution incidents recorded at any of the identified potential sources	Unlikely – No further assessment / investigation required.

	Negligible	Mobile inorganic/ organic contaminants associated with former off-site uses	Skin contact Ingestion Inhalation	End users (Commercial/residential) and buildings/ Structures	Unlikely – Rationale as above	Unlikely – Further assessment / investigation required.
--	------------	---	---	--	-------------------------------	---

The preliminary conceptual site model identifies potentially complete pollutant linkages that are considered to require further risk assessment and investigation.

6.0 CONCLUSIONS AND RECOMMENDATIONS.

It is understood that planning approval (2017/62/91132/W) has been granted by Kirklees Council for the development of the site with a ground floor extension to the existing commercial building, with further commercial and residential development above. The external parts of the site are shown to comprise carparking, with no apparent areas of soft landscaping. This report has been prepared in support of the discharge of Condition 3 of the approval.

The layout drawing for the proposed development is shown on Drawing No 2017 01 C, dated January 2017, prepared by Colne Valley Design and presented in Appendix A of this report.

According to the GroundSure report the site is not located on a fluvial indicative floodplain.

Historical maps depicting the area indicate that the site was occupied by probable residences until sometime before 1956, when the buildings were cleared. The plan dated 1972 shows the site to be occupied by a 'warehouse', which on the plan dated 1985 is labelled 'works'. Currently the site is occupied by commercial units including restaurants and a sweet/pastry shop, which is considered to be the building shown on the historical plans.

Potential sources of off site contamination appear to relate to an industrial site approximately 80m north west of the recorded as 'manufacture and use of organic chemicals' and an electricity substation recorded approximately 70m south of the site, which are considered to pose a **negligible/low** risk to the development.

The CA interactive map (<http://mapaps2.bgs.co.uk/coalauthority/home.html>) shows that the site does lie within a 'development high risk area'. The site has been subject to previous intrusive investigation work, undertaken by Abbeydale BEC Ltd, and reported under cover of Ref 551079MI dated May 2015; the findings of which indicated the presence of historical mining of the Soft Bed coal seam, at a depth of 18.3m to 19.3m bgl. Recommendations with regards to foundation options are presented within the above referenced report.

Given the principal risk to the proposed development identified in the Preliminary Conceptual Site Model is the potential for ground gases emanating from the recorded shallow workings encountered beneath the site, it is recommended that an intrusive investigation is undertaken with the installation of three combined gas/groundwater wells. These wells should be monitored on six occasions over a nominal three month period. A report of findings should be prepared detailing any possible gas protection measures, depending on the results of the monitoring.

All of the above works should be carried out in accordance with the guidance given in CIRIA C665:(2007) 'Assessing Risks Posed by Hazardous Ground Gases to Buildings'

The mining investigation report, referenced above, also notes that '*there is a very high risk of unrecorded shafts*' on site; consequently it is recommended that all natural surfaces, exposed as part of a site strip during

the development work, including any foundation excavations, should be inspected by a suitably qualified person, to assess the presence, or otherwise of such entries.

Considering the likely age of the buildings, should any refurbishment or demolition of the existing structures be required then it is recommended that an asbestos survey is undertaken prior to any development works

Considering the fact that the development drawing does not indicate any areas of soft landscaping, but does indicate hardstanding of either carparking or building footprints, thereby breaking any potential pollutant linkages, outwith the above recommended works, it is not considered that any further assessment would be required. Should the assumption regarding areas of soft landscaping not be the case, and areas are proposed, then further investigatory works may be necessary.

Radon gas protection measures are **not** shown to be required to the new property on the site.

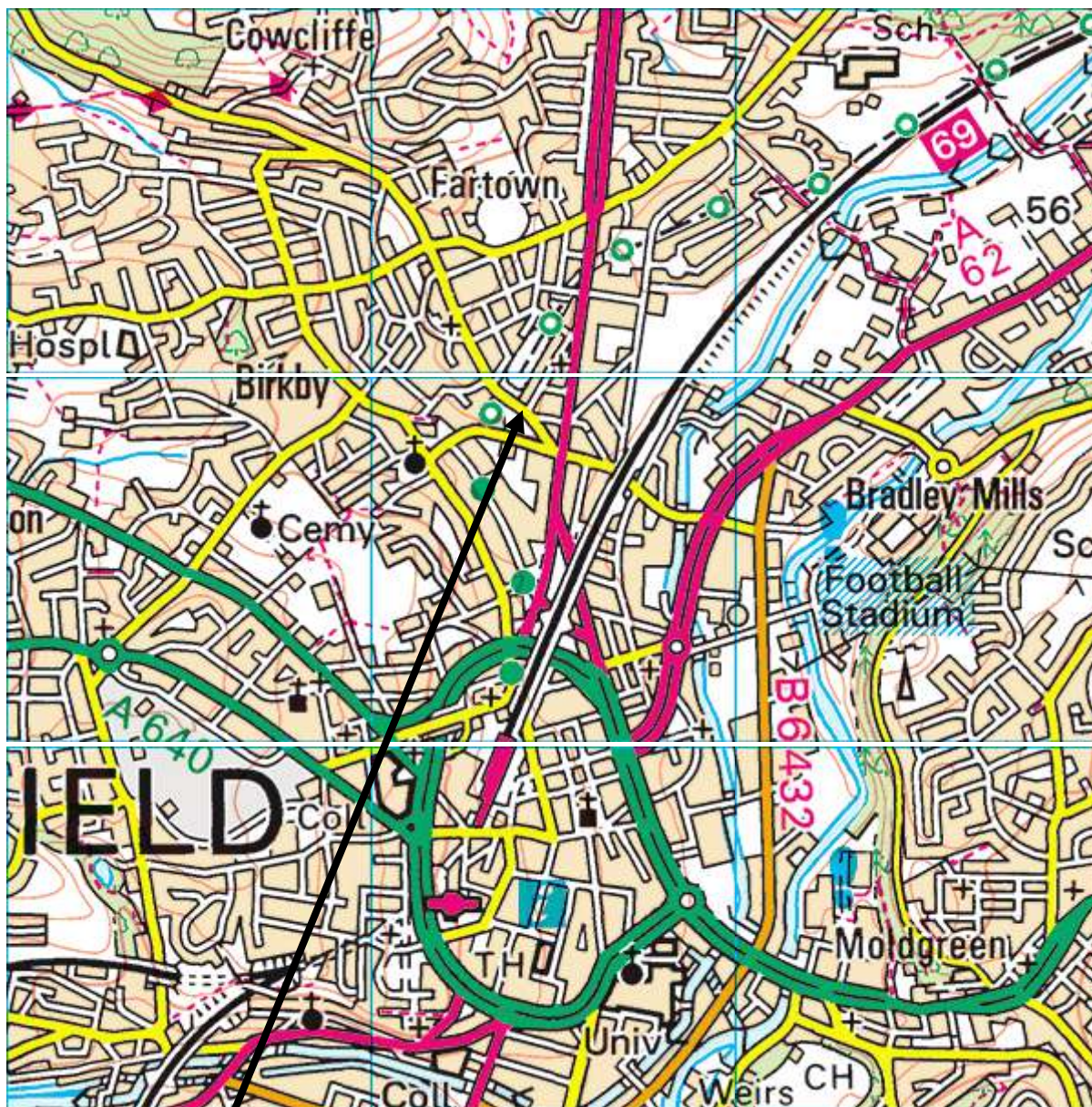
It is recommended that a watching brief is maintained during the development works; should any unforeseen contamination be noted, then the local authority should be notified immediately and an investigation and risk assessment be undertaken and if necessary remedial works should be carried out.

The conclusions and recommendations presented above are considered practical based on the findings of this report. However, they cannot however be guaranteed to gain regulatory approval, and therefore this report should be submitted to the regulators for their comment/approval as part of the planning process and before any development work takes place.



APPENDIX A

DRAWINGS

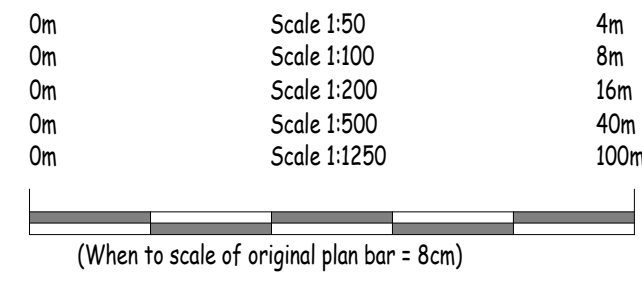


The Site

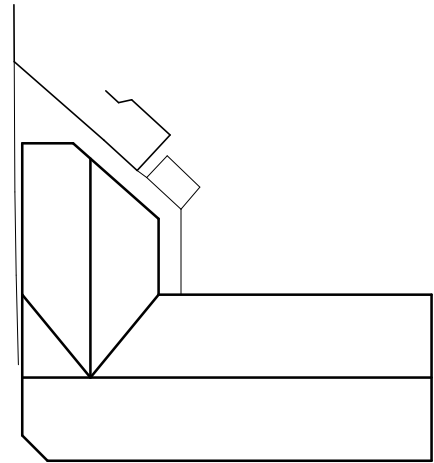
Site Location Plan Drawing No C389/1

Map reproduced from Ordnance Survey. On behalf of the
Controller of Her Majesty's Stationary Office. Crown
Copyright Reserved.. Licence No: 100048271





- Notes:
1. Setting out to be the responsibility of contractor.
 2. Contractor to pay particular attention to pitch of roof and headroom at stairs.
 3. Any discrepancies to be reported to Colne Valley Design.



Proposed roof plan (1:500)

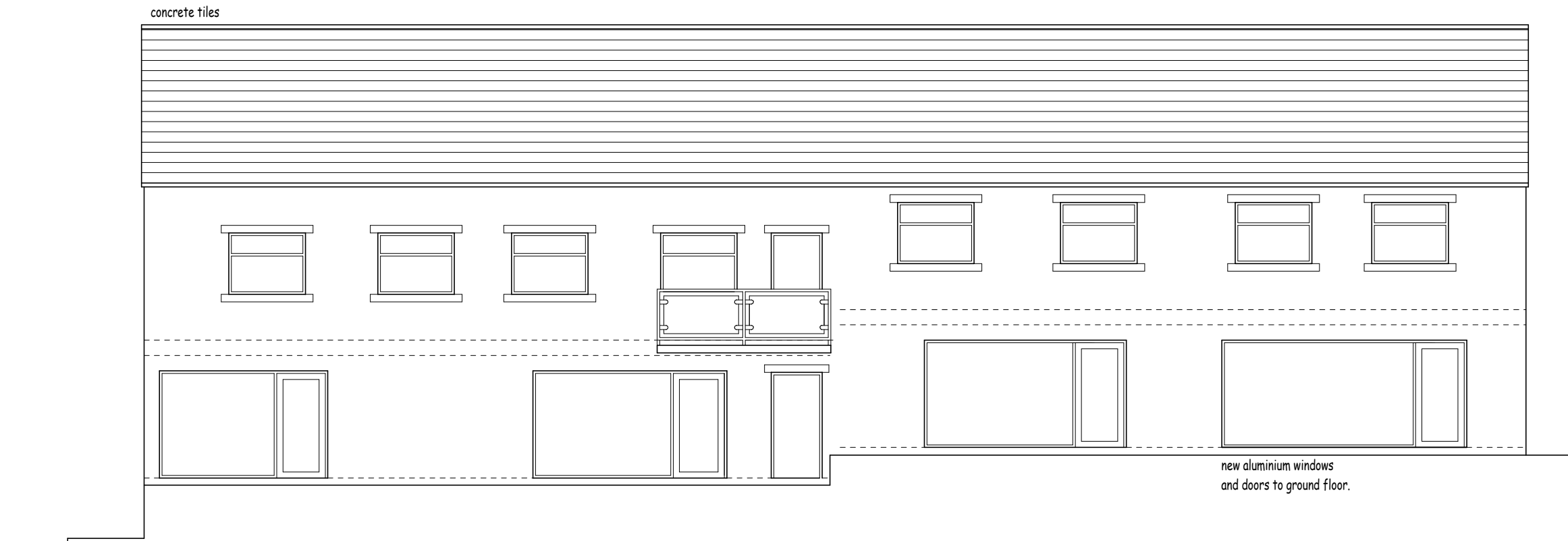


Proposed first floor layout (1:100)

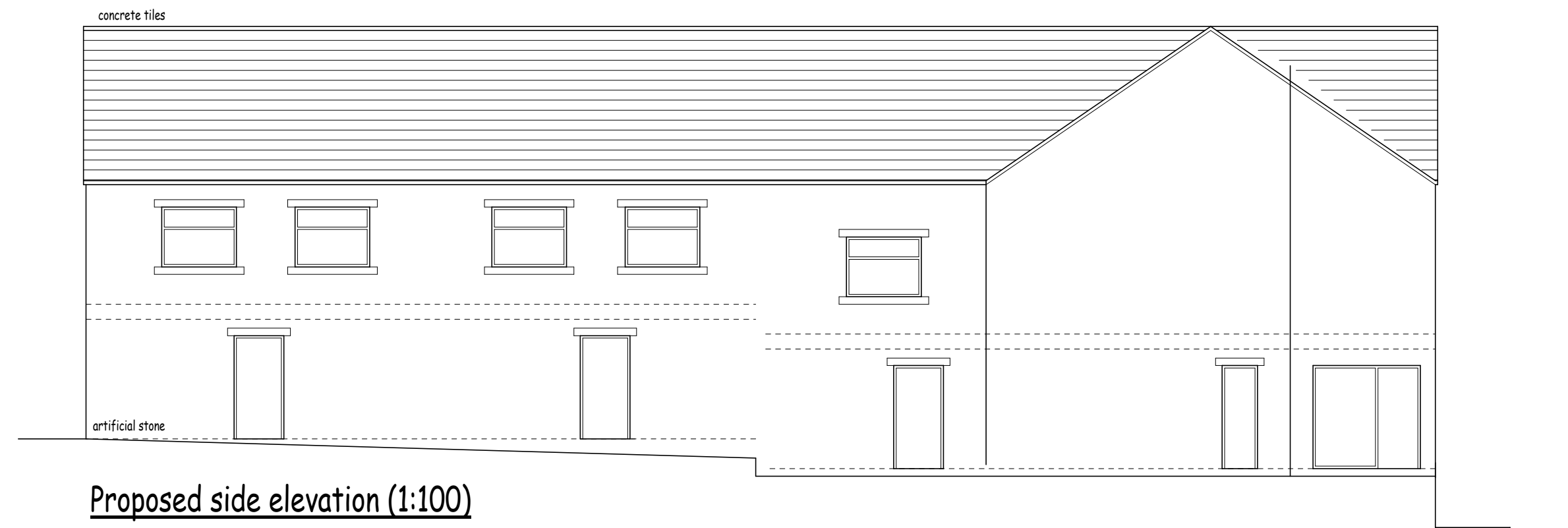
NOTE:
Previously approved extension is shown on the proposed drawings - there are slight amendments to those approved under 2014/93209 but will be dealt with under a separate application.



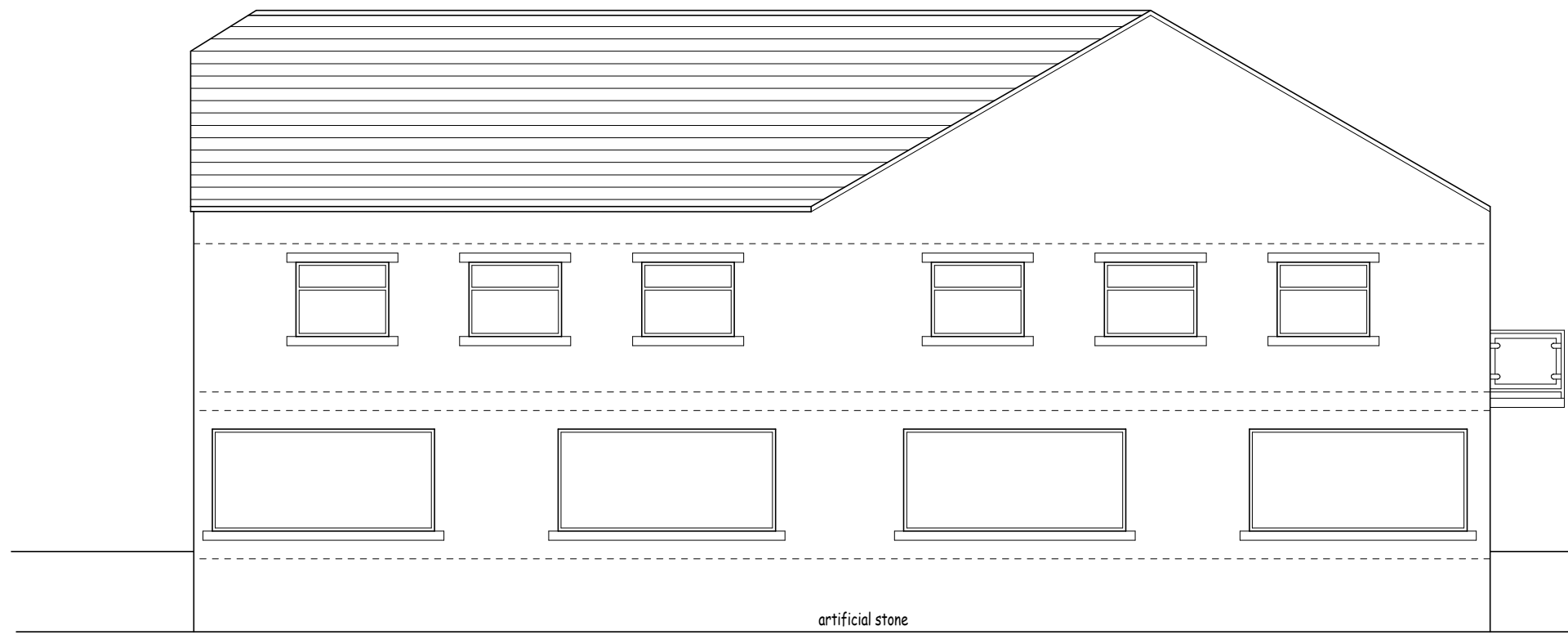
Proposed ground floor layout (1:100)



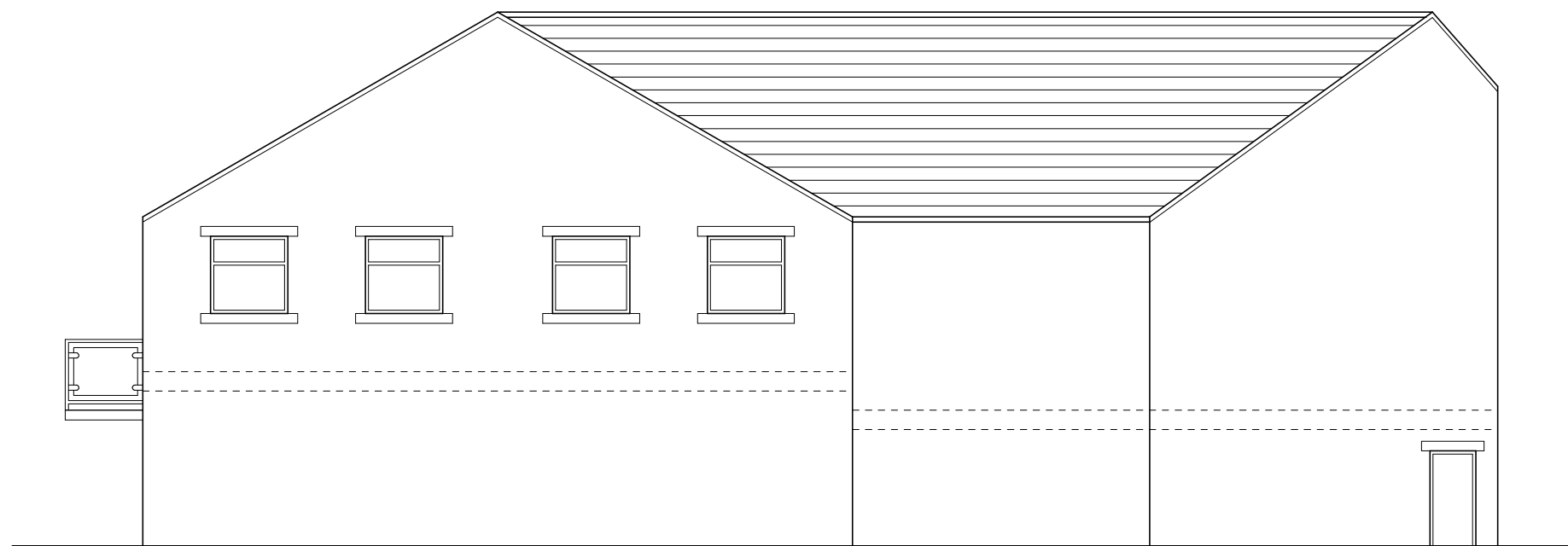
Proposed side elevation (1:100)



Proposed side elevation (1:100)



Proposed front elevation (1:100)



Proposed rear elevation (1:100)

Rev C 03/04/2017 Minor alterations.
Rev B 26/03/2017 Amended prior to planning application.
Rev A 15/02/2017 Amended following client meeting.



Colne Valley Design
8 Meadow Lane
Slaithwaite
Huddersfield HD7 5EX

Tel/Fax: 01484 842097
Mobile: 07867 803312
E-mail: mitchell@cvdesign.freemove.co.uk

Proprietor: S.A. Mitchell (AIOB)

Project
Proposed first floor extension.

Address
Banson Tool Hire.
Fartown.

Title
Proposed plans and elevations.

Job No.
13 J 45.

Drawing number
2017 01 C.

Date
Jan 2017.



APPENDIX B

GROUNDSURE REPORT

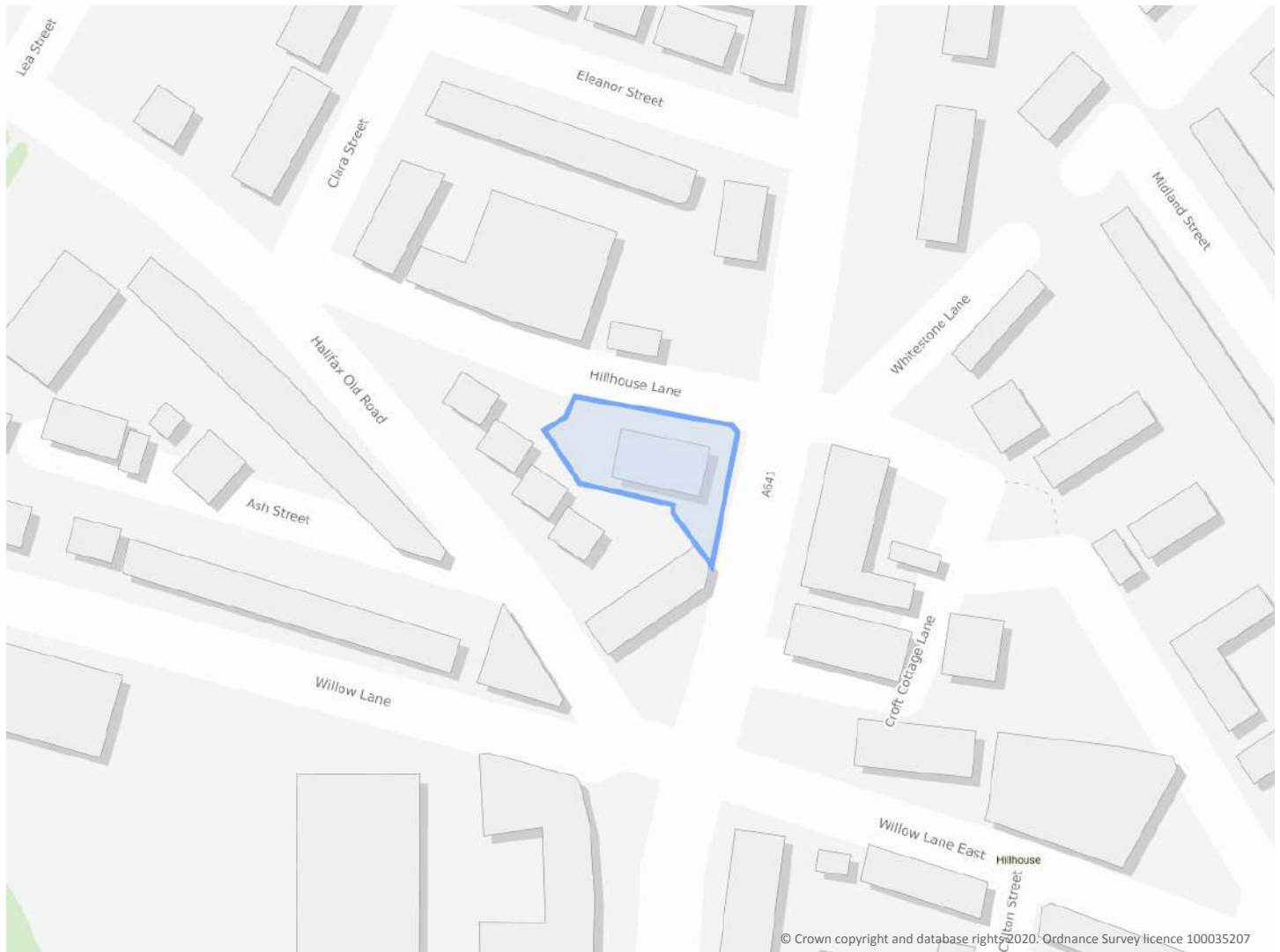
12B NAFEEES BAKERS, HILLHOUSE LANE, FARTOWN, HUDDERSFIELD, HD1 6EF

Order Details

Date: 24/07/2020
Your ref: C389_-_12B_Hillhouse_Lane_Fartown
Our Ref: GS-6912990
Client: G&M Consulting Ltd

Site Details

Location: 414494 417848
Area: 0.09 ha
Authority: [Kirklees Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.11

groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
12	1.1	<u>Historical industrial land uses</u>	0	0	31	87	-
17	1.2	<u>Historical tanks</u>	0	0	3	37	-
19	1.3	<u>Historical energy features</u>	0	0	4	15	-
20	1.4	Historical petrol stations	0	0	0	0	-
20	1.5	<u>Historical garages</u>	0	0	7	21	-
21	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
22	2.1	<u>Historical industrial land uses</u>	0	0	42	133	-
29	2.2	<u>Historical tanks</u>	0	0	4	48	-
31	2.3	<u>Historical energy features</u>	0	0	4	24	-
32	2.4	Historical petrol stations	0	0	0	0	-
32	2.5	<u>Historical garages</u>	0	0	10	30	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
35	3.1	Active or recent landfill	0	0	0	0	-
35	3.2	Historical landfill (BGS records)	0	0	0	0	-
36	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
36	3.4	<u>Historical landfill (EA/NRW records)</u>	0	0	0	1	-
36	3.5	<u>Historical waste sites</u>	0	0	0	5	-
37	3.6	<u>Licensed waste sites</u>	0	0	2	15	-
43	3.7	<u>Waste exemptions</u>	0	0	0	24	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
46	4.1	<u>Recent industrial land uses</u>	1	0	13	-	-
47	4.2	<u>Current or recent petrol stations</u>	0	0	0	1	-
48	4.3	Electricity cables	0	0	0	0	-
48	4.4	Gas pipelines	0	0	0	0	-
48	4.5	Sites determined as Contaminated Land	0	0	0	0	-



48	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	0	0	0	1	-
49	4.7	Regulated explosive sites	0	0	0	0	-
49	4.8	<u>Hazardous substance storage/usage</u>	0	0	0	1	-
49	4.9	<u>Historical licensed industrial activities (IPC)</u>	0	0	33	4	-
54	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	0	0	12	-
56	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	1	9	-
57	4.12	Radioactive Substance Authorisations	0	0	0	0	-
57	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	4	8	-
59	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
60	4.15	<u>Pollutant release to public sewer</u>	0	0	0	2	-
60	4.16	<u>List 1 Dangerous Substances</u>	0	0	0	5	-
61	4.17	<u>List 2 Dangerous Substances</u>	0	0	0	1	-
61	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	1	0	2	-
62	4.19	<u>Pollution inventory substances</u>	0	0	0	5	-
64	4.20	<u>Pollution inventory waste transfers</u>	0	0	0	1	-
65	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
66	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
68	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
70	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
71	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
71	5.5	Groundwater vulnerability- local information	None (within 0m)				
72	5.6	<u>Groundwater abstractions</u>	0	2	1	4	16
78	5.7	<u>Surface water abstractions</u>	0	0	0	3	13
82	5.8	<u>Potable abstractions</u>	0	2	1	4	0
84	5.9	<u>Source Protection Zones</u>	0	0	1	1	-
84	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
85	6.1	<u>Water Network (OS MasterMap)</u>	0	0	6	-	-



86	6.2	Surface water features	0	0	0	-	-
86	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
87	6.4	<u>WFD Surface water bodies</u>	0	0	1	-	-
87	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
88	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
88	7.2	Historical Flood Events	0	0	0	-	-
88	7.3	Flood Defences	0	0	0	-	-
88	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
89	7.5	Flood Storage Areas	0	0	0	-	-
90	7.6	Flood Zone 2	None (within 50m)				
90	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
91	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding					
92	9.1	<u>Groundwater flooding</u>	Negligible (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
93	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
94	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
94	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
94	10.4	Special Protection Areas (SPA)	0	0	0	0	0
94	10.5	National Nature Reserves (NNR)	0	0	0	0	0
95	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	1
95	10.7	<u>Designated Ancient Woodland</u>	0	0	0	0	3
95	10.8	Biosphere Reserves	0	0	0	0	0
96	10.9	Forest Parks	0	0	0	0	0
96	10.10	Marine Conservation Zones	0	0	0	0	0
96	10.11	<u>Green Belt</u>	0	0	0	0	1
96	10.12	Proposed Ramsar sites	0	0	0	0	0



97	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
97	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
97	10.15	Nitrate Sensitive Areas	0	0	0	0	0
97	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
98	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
99	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
100	11.1	World Heritage Sites	0	0	0	-	-
101	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
101	11.3	National Parks	0	0	0	-	-
101	11.4	<u>Listed Buildings</u>	0	0	18	-	-
102	11.5	<u>Conservation Areas</u>	0	0	1	-	-
103	11.6	Scheduled Ancient Monuments	0	0	0	-	-
103	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
104	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
105	12.2	Open Access Land	0	0	0	-	-
105	12.3	Tree Felling Licences	0	0	0	-	-
105	12.4	Environmental Stewardship Schemes	0	0	0	-	-
105	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
106	13.1	Priority Habitat Inventory	0	0	0	-	-
106	13.2	Habitat Networks	0	0	0	-	-
106	13.3	Open Mosaic Habitat	0	0	0	-	-
106	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
107	14.1	<u>10k Availability</u>	Identified (within 500m)				
108	14.2	<u>Artificial and made ground (10k)</u>	0	0	4	11	-
110	14.3	<u>Superficial geology (10k)</u>	0	0	1	6	-

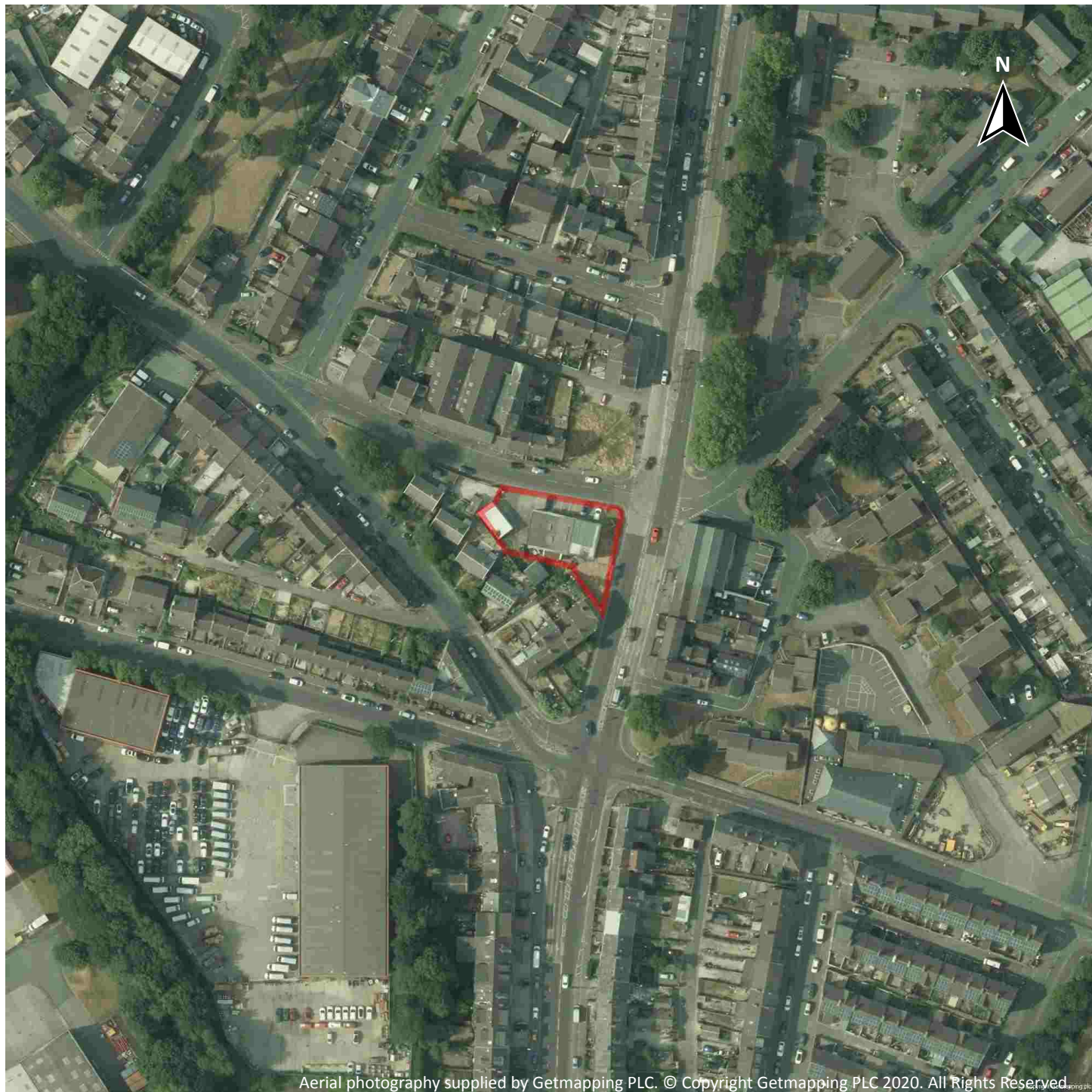


111	14.4	Landslip (10k)	0	0	0	0	-
112	14.5	<u>Bedrock geology (10k)</u>	2	1	5	4	-
113	14.6	<u>Bedrock faults and other linear features (10k)</u>	1	0	5	3	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
115	15.1	<u>50k Availability</u>	Identified (within 500m)				
116	15.2	<u>Artificial and made ground (50k)</u>	0	0	2	1	-
117	15.3	Artificial ground permeability (50k)	0	0	-	-	-
118	15.4	<u>Superficial geology (50k)</u>	0	0	1	3	-
119	15.5	Superficial permeability (50k)	None (within 50m)				
119	15.6	Landslip (50k)	0	0	0	0	-
119	15.7	Landslip permeability (50k)	None (within 50m)				
120	15.8	<u>Bedrock geology (50k)</u>	2	1	3	3	-
121	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
121	15.10	<u>Bedrock faults and other linear features (50k)</u>	1	0	4	2	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
123	16.1	<u>BGS Boreholes</u>	0	0	45	-	-
Page	Section	Natural ground subsidence					
127	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
128	17.2	<u>Running sands</u>	Negligible (within 50m)				
129	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
130	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
131	17.5	<u>Landslides</u>	Very low (within 50m)				
132	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
134	18.1	Natural cavities	0	0	0	0	-
135	18.2	<u>BritPits</u>	0	0	0	4	-
136	18.3	<u>Surface ground workings</u>	0	0	12	-	-
136	18.4	<u>Underground workings</u>	0	0	0	2	1
137	18.5	Historical Mineral Planning Areas	0	0	0	0	-



137	18.6	<u>Non-coal mining</u>	0	0	0	0	4
138	18.7	Mining cavities	0	0	0	0	0
138	18.8	JPB mining areas	None (within 0m)				
138	18.9	<u>Coal mining</u>	Identified (within 0m)				
138	18.10	Brine areas	None (within 0m)				
139	18.11	Gypsum areas	None (within 0m)				
139	18.12	Tin mining	None (within 0m)				
139	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
140	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
141	20.1	<u>BGS Estimated Background Soil Chemistry</u>	4	2	-	-	-
141	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
142	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
143	21.1	Underground railways (London)	0	0	0	-	-
143	21.2	Underground railways (Non-London)	0	0	0	-	-
144	21.3	Railway tunnels	0	0	0	-	-
144	21.4	<u>Historical railway and tunnel features</u>	0	0	44	-	-
146	21.5	Royal Mail tunnels	0	0	0	-	-
146	21.6	<u>Historical railways</u>	0	0	4	-	-
146	21.7	<u>Railways</u>	0	0	7	-	-
147	21.8	Crossrail 1	0	0	0	0	-
147	21.9	Crossrail 2	0	0	0	0	-
147	21.10	HS2	0	0	0	0	-

Recent aerial photograph

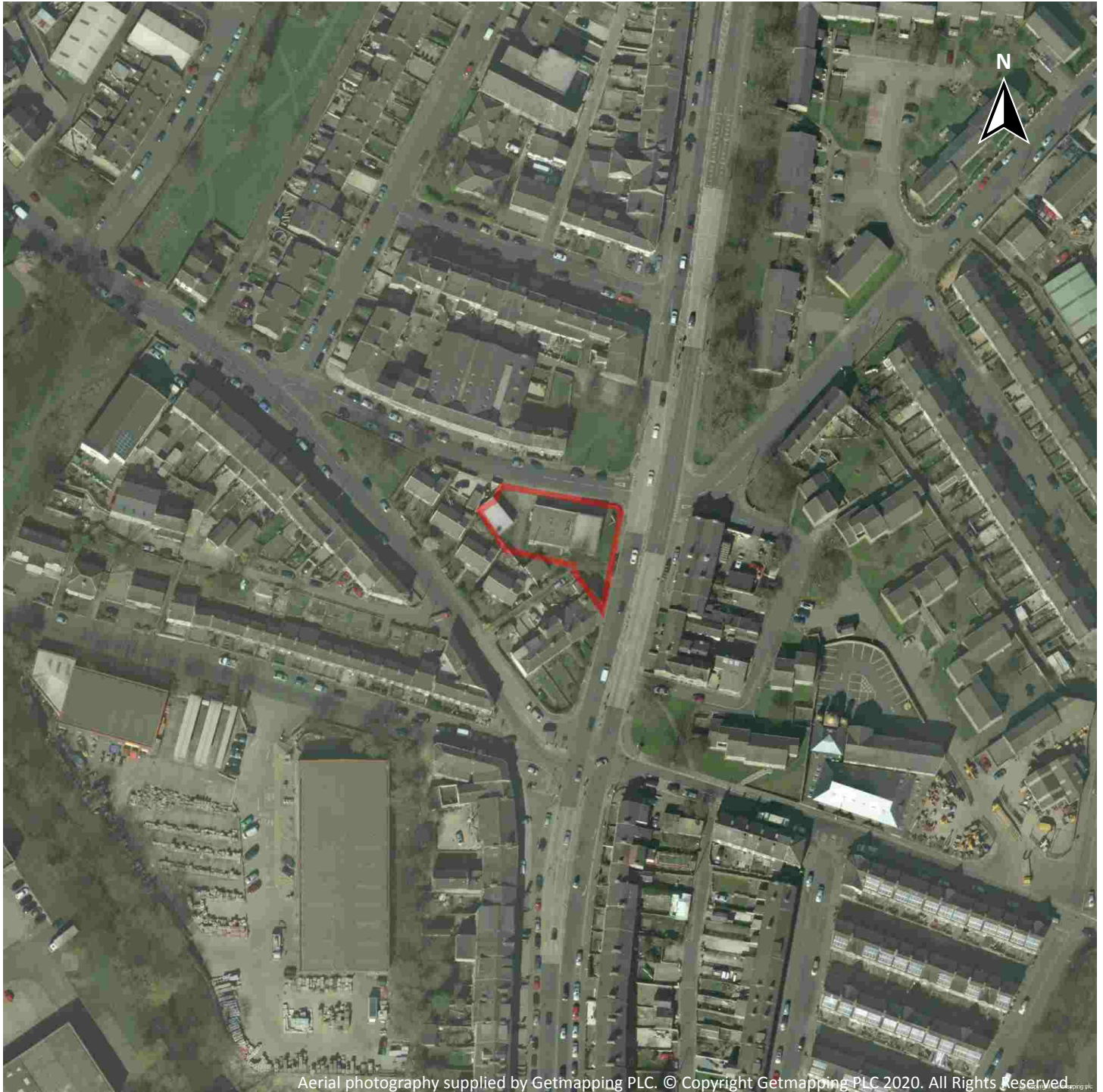


Capture Date: 01/07/2018

Site Area: 0.09ha



Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.09ha



Recent site history - 2000 aerial photograph



Capture Date: 25/08/2000

Site Area: 0.09ha



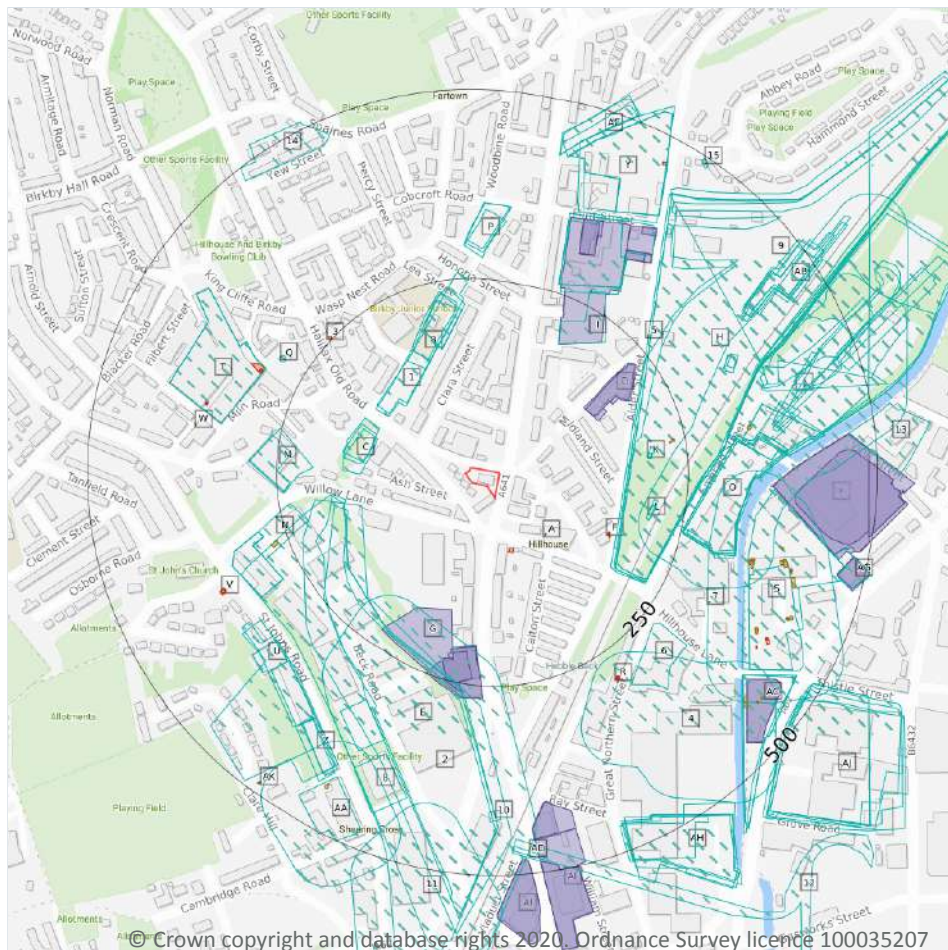
OS MasterMap site plan



Site Area: 0.09ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

118

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 12**

ID	Location	Land use	Dates present	Group ID
1	118m NW	Railway Sidings	1938	1540169



ID	Location	Land use	Dates present	Group ID
B	121m NW	Railway Sidings	1948 - 1956	1531919
C	125m W	Cuttings	1948	1543063
C	127m W	Cuttings	1938	1502759
C	128m NW	Cuttings	1956 - 1985	1537474
B	144m NW	Cuttings	1948	1470046
E	144m W	Railway Sidings	1948	1470849
B	154m N	Cuttings	1938	1460889
B	161m N	Cuttings	1975 - 1985	1497473
B	161m N	Cuttings	1966	1463979
E	162m W	Railway Sidings	1938	1554774
E	163m W	Railway Sidings	1966	1511184
H	165m E	Railway Sidings	1889	1493583
E	165m W	Railway Sidings	1956	1550688
H	168m E	Railway Sidings	1938 - 1948	1556122
H	169m E	Railway Sidings	1905	1464703
H	171m E	Railway Sidings	1985	1466961
H	171m E	Railway Sidings	1956 - 1975	1495335
2	177m SW	Goods Yard	1966	1423648
I	188m NE	Railway Sidings	1966 - 1985	1539192
J	192m E	Unspecified Works	1966	1492772
K	198m E	Railway Building	1905	1487570
K	198m E	Railway Building	1948	1493464
K	200m E	Railway Building	1956	1528219
L	201m E	Railway Building	1905	1485534
L	201m E	Railway Building	1948	1513275
M	202m W	Unspecified Works	1966	1522245
L	203m E	Railway Building	1956	1501845
N	218m W	Unspecified Depot	1966	1464126

ID	Location	Land use	Dates present	Group ID
M	232m W	Unspecified Works	1975 - 1985	1557882
J	243m E	Brick Works	1956	1513419
O	252m E	Sanitary Depot	1938	1463001
J	253m E	Brick Works	1905	1493952
O	253m E	Sanitary Depot	1905	1496585
O	253m E	Sanitary Depot	1948 - 1956	1551409
I	253m N	Corporation Depot	1938 - 1948	1533378
O	253m E	Unspecified Depot	1966 - 1975	1549347
4	260m SE	Abattoir	1985	1457720
I	262m N	Corporation Depot	1956 - 1966	1521055
I	262m N	Unspecified Depot	1975 - 1985	1526756
6	269m SE	Timber Yard	1985	1410426
P	278m N	Cuttings	1948	1529474
N	279m SW	Unspecified Works	1966	1438168
N	279m SW	Unspecified Depot	1975 - 1985	1529925
Q	281m NW	Unspecified Tank	1948	1433312
P	285m N	Cuttings	1956 - 1985	1497458
P	289m N	Cuttings	1938	1463981
S	290m E	Dye Works	1956	1529166
T	298m NW	Unspecified Works	1966	1438169
T	298m NW	Unspecified Commercial/Industrial	1975 - 1985	1541819
J	307m E	Brick Works	1948	1547488
J	307m E	Brick Works	1938	1547661
E	317m SW	Unspecified Warehouse	1985	1418616
J	322m E	Unspecified Commercial/Industrial	1985	1410483
J	322m E	Unspecified Works	1975	1458773
H	327m NE	Railway Building	1889 - 1905	1490603
H	328m NE	Railway Building	1938 - 1948	1551815



ID	Location	Land use	Dates present	Group ID
U	331m SW	Unspecified Works	1975 - 1985	1471516
U	332m SW	Unspecified Works	1956	1470211
U	333m SW	Unspecified Works	1938 - 1948	1528572
H	333m NE	Railway Building	1956 - 1966	1521282
U	337m SW	Unspecified Warehouse	1975 - 1985	1522329
S	344m E	Unspecified Works	1966 - 1985	1486714
J	348m E	Railway Sidings	1956	1468521
S	350m E	Dye Works	1938 - 1948	1497957
Y	361m N	Corporation Depot	1948 - 1956	1498428
J	364m E	Unspecified Ground Workings	1889	1466853
J	366m E	Railway Sidings	1948	1524371
J	366m E	Tramway Sidings	1938	1430811
J	368m E	Unspecified Ground Workings	1966 - 1975	1501381
Y	368m N	Unspecified Works	1966 - 1985	1525656
8	369m SW	Unspecified Depot	1975 - 1985	1544932
J	369m E	Railway Sidings	1889	1479642
Z	374m SW	Unspecified Depot	1975 - 1985	1501781
9	374m NE	Cuttings	1889	1548335
Z	374m SW	Unspecified Warehouse	1938	1517942
J	375m E	Unspecified Ground Workings	1905	1504274
AA	376m SW	Printing Works	1905	1420628
Z	377m SW	Unspecified Warehouse	1948	1539167
Y	378m NE	Corporation Depot	1966	1498787
Y	378m NE	Unspecified Depot	1975 - 1985	1520165
AB	383m NE	Engine Shed	1889	1496256
AB	383m NE	Railway Building	1905	1429007
I	386m NE	Railway Building	1956 - 1985	1549943
AB	388m NE	Engine Shed	1948	1523065



ID	Location	Land use	Dates present	Group ID
J	391m E	Unspecified Works	1985	1551597
AB	395m NE	Engine Shed	1938	1490882
AB	397m NE	Engine Shed	1956 - 1966	1507017
AC	403m SE	Unspecified Mills	1956	1494484
AC	403m SE	Unspecified Commercial/Industrial	1966 - 1985	1505864
AC	404m SE	Unspecified Mills	1938 - 1948	1494700
J	405m E	Refuse Heap	1948 - 1956	1553899
J	409m E	Refuse Heap	1938	1495070
10	414m S	Goods Station	1948	1430910
11	414m S	Goods Station	1956	1430911
AA	424m SW	Goods Station	1938	1430909
AE	427m N	Cuttings	1948	1477070
AE	428m N	Cuttings	1956 - 1985	1547777
AE	428m N	Cuttings	1938	1544779
12	453m S	Railway Sidings	1938	1524644
AG	454m E	Unspecified Commercial/Industrial	1975 - 1985	1494725
AG	454m E	Unspecified Works	1966	1545540
AH	457m S	Omnibus Depot	1966	1420643
AH	459m S	Tramcar and Omnibus Depot	1938 - 1948	1486273
AH	460m S	Tramway and Omnibus Depot	1956	1426515
AD	462m S	Railway Sidings	1948	1497235
AH	462m S	Tramway Depot	1905	1439859
13	463m E	Chemical Works	1905	1443316
AH	464m S	Unspecified Depot	1975 - 1985	1517461
14	467m NW	Unspecified Mill	1889	1421244
J	471m E	Cuttings	1938 - 1948	1523600
AJ	483m SE	Unspecified Mills	1889	1464571
AJ	485m SE	Unspecified Mills	1938	1556687



ID	Location	Land use	Dates present	Group ID
AJ	487m SE	Unspecified Commercial/Industrial	1905	1519961
15	487m NE	Unspecified Old Shaft	1889 - 1905	1500567
AJ	487m SE	Unspecified Mills	1948	1479295
AJ	487m SE	Unspecified Mills	1966 - 1985	1465532
AJ	487m SE	Unspecified Mills	1956	1523683

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	40
----------------------------	-----------

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

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
A	82m SE	Unspecified Tank	1890	223051
K	229m E	Unspecified Tank	1890	223052
K	233m E	Unspecified Tank	1958 - 1959	248133
N	264m W	Tanks	1932	230359
5	266m NE	Unspecified Tank	1890	223055
I	269m NE	Unspecified Tank	1959	244015
I	269m NE	Unspecified Tank	1958	238785
7	315m SE	Unspecified Tank	1890	223225
J	333m E	Unspecified Tank	1890 - 1893	244431
S	345m E	Tanks	1992	249683
S	347m E	Tanks	1993	230360
S	347m E	Tanks	1982	235659
S	348m E	Tanks	1993	245518



ID	Location	Land use	Dates present	Group ID
S	350m E	Tanks	1992	243428
S	351m E	Tanks	1993	230361
S	351m E	Tanks	1982	244585
S	351m E	Tanks	1993	230362
W	361m W	Unspecified Tank	1890	223053
W	363m W	Unspecified Tank	1890	223054
S	383m E	Unspecified Tank	1982 - 1992	237992
S	385m SE	Tanks	1992	240056
S	386m SE	Tanks	1982 - 1993	243248
S	386m E	Tanks	1982 - 1992	248250
S	390m E	Tanks	1982 - 1992	240546
S	391m E	Tanks	1993	230363
S	401m E	Unspecified Tank	1992	247742
S	402m E	Unspecified Tank	1982	242702
S	403m E	Unspecified Tank	1993	235303
S	406m E	Tanks	1982 - 1993	249030
S	417m E	Tanks	1992	241772
S	418m E	Tanks	1982	234132
S	419m SE	Tanks	1993	243963
S	420m E	Tanks	1982 - 1993	239781
AC	423m SE	Unspecified Tank	1890	223226
AC	430m SE	Unspecified Tank	1890	223224
AA	438m SW	Tanks	1978 - 1993	248750
AC	439m SE	Unspecified Tank	1890	223223
AC	441m SE	Unspecified Tank	1890	223222
AK	484m SW	Unspecified Tank	1983	243777
AK	485m SW	Unspecified Tank	1978	234800

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

19

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

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
A	70m S	Electricity Substation	1993	128948
F	157m E	Electricity Substation	1992	133112
F	158m E	Electricity Substation	1982	132866
F	159m E	Electricity Substation	1993	132284
3	251m NW	Electricity Substation	1993	128949
R	286m SE	Electricity Substation	1992	134044
R	286m SE	Electricity Substation	1982	140974
R	289m SE	Electricity Substation	1993	132426
Q	300m NW	Electricity Substation	1972	146874
Q	300m NW	Electricity Substation	1986 - 1989	137927
Q	300m NW	Electricity Substation	1993	133255
V	352m SW	Electricity Substation	1986 - 1989	143041
W	353m W	Electricity Substation	1972 - 1989	139696
W	353m W	Electricity Substation	1993	143604
V	353m SW	Electricity Substation	1972 - 1993	137821
S	397m SE	Electricity Substation	1993	128971
S	403m SE	Electricity Substation	1992	146852
S	404m SE	Electricity Substation	1982	145661
Y	461m NE	Electricity Substation	1989 - 1993	140306

This data is sourced from Ordnance Survey / Groundsure.



1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

28

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

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
D	142m NE	Garage	1992	44058
D	142m NE	Garage	1993	43827
G	159m S	Garage	1986 - 1989	45543
I	187m NE	Garage	1959	41797
G	198m S	Garage	1959 - 1972	45480
G	199m S	Garage	1993	43346
G	207m S	Garage	1958	42174
I	309m N	Garage	1993	41787
I	309m N	Garage	1989	42548
I	309m N	Garage	1958 - 1959	46154
I	328m NE	Garage	1993	43585
I	329m NE	Garage	1989	42044
I	339m NE	Garage	1993	43297
X	361m E	Garage	1959 - 1984	46545

ID	Location	Land use	Dates present	Group ID
X	363m E	Garage	1958	42798
I	368m NE	Garage	1989	42837
X	392m E	Garage	1993	42125
AD	408m S	Garage	1992	41966
AD	410m S	Garage	1995 - 1998	45256
AC	411m SE	Garage	1992 - 1993	45714
AC	412m SE	Garage	1982	44184
AF	451m S	Garage	1992	42559
AG	463m E	Garage	1992	42273
AG	464m E	Garage	1982 - 1993	46305
AI	480m S	Garage	1992	41642
AI	481m S	Garage	1995 - 1998	45918
AF	486m S	Garage	1981 - 1998	44481
X	489m E	Garage	1995	44059

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

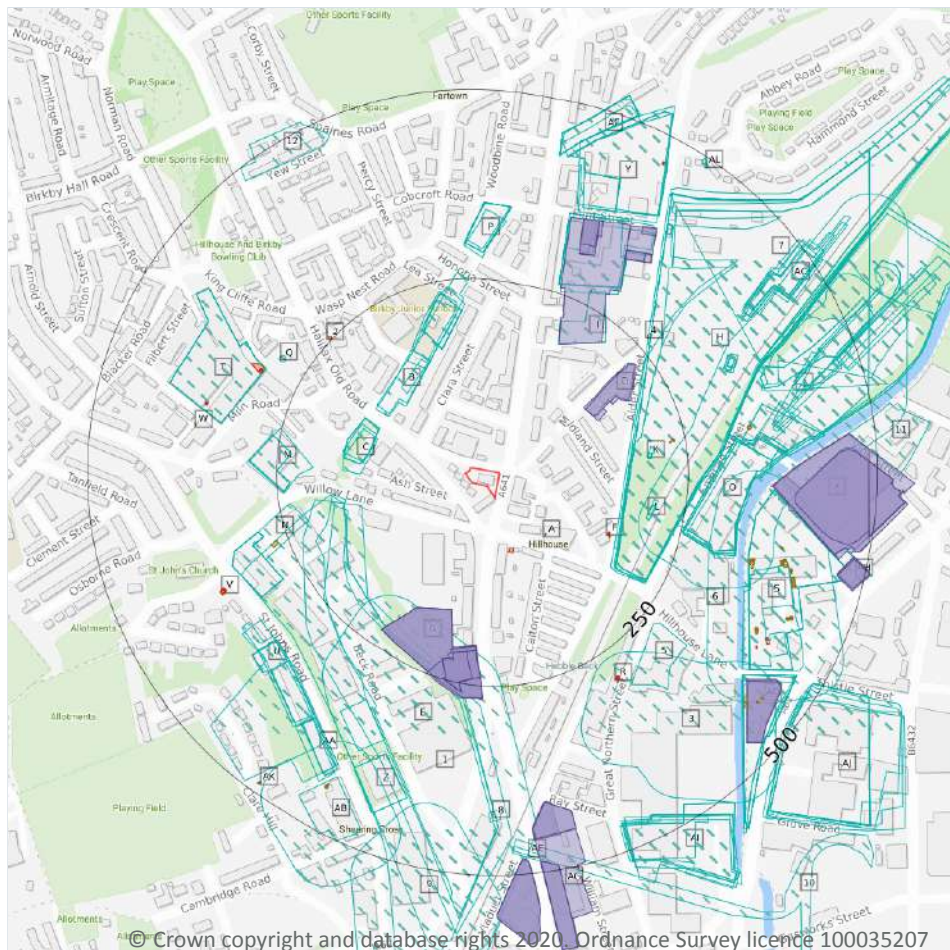
Records within 500m

0

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

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

2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

175

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

Features are displayed on the Past land use - un-grouped map on **page 22**

ID	Location	Land Use	Date	Group ID
B	118m NW	Railway Sidings	1938	1540169
B	121m NW	Railway Sidings	1956	1531919
C	125m W	Cuttings	1948	1543063



ID	Location	Land Use	Date	Group ID
C	127m W	Cuttings	1938	1502759
C	128m NW	Cuttings	1975	1537474
C	128m NW	Cuttings	1956	1537474
C	128m NW	Cuttings	1985	1537474
C	128m NW	Cuttings	1966	1537474
B	129m NW	Railway Sidings	1948	1531919
B	144m NW	Cuttings	1948	1470046
E	144m W	Railway Sidings	1948	1470849
B	154m N	Cuttings	1938	1460889
B	161m N	Cuttings	1975	1497473
B	161m N	Cuttings	1985	1497473
B	161m N	Cuttings	1966	1463979
E	162m W	Railway Sidings	1938	1554774
E	163m W	Railway Sidings	1966	1511184
H	165m E	Railway Sidings	1889	1493583
E	165m W	Railway Sidings	1956	1550688
H	168m E	Railway Sidings	1938	1556122
H	169m E	Railway Sidings	1948	1556122
H	169m E	Railway Sidings	1905	1464703
H	171m E	Railway Sidings	1975	1495335
H	171m E	Railway Sidings	1956	1495335
H	171m E	Railway Sidings	1985	1466961
H	171m E	Railway Sidings	1966	1495335
1	177m SW	Goods Yard	1966	1423648
I	188m NE	Railway Sidings	1975	1539192
I	188m NE	Railway Sidings	1985	1539192
I	188m NE	Railway Sidings	1966	1539192
J	192m E	Unspecified Works	1966	1492772

ID	Location	Land Use	Date	Group ID
K	198m E	Railway Building	1948	1493464
K	198m E	Railway Building	1905	1487570
K	200m E	Railway Building	1956	1528219
L	201m E	Railway Building	1948	1513275
L	201m E	Railway Building	1905	1485534
M	202m W	Unspecified Works	1966	1522245
L	203m E	Railway Building	1956	1501845
N	218m W	Unspecified Depot	1966	1464126
M	232m W	Unspecified Works	1975	1557882
M	232m W	Unspecified Works	1985	1557882
J	243m E	Brick Works	1956	1513419
O	252m E	Sanitary Depot	1938	1463001
J	253m E	Brick Works	1905	1493952
O	253m E	Sanitary Depot	1948	1551409
O	253m E	Sanitary Depot	1905	1496585
I	253m N	Corporation Depot	1948	1533378
O	253m E	Sanitary Depot	1956	1551409
O	253m E	Unspecified Depot	1966	1549347
O	258m E	Unspecified Depot	1975	1549347
3	260m SE	Abattoir	1985	1457720
I	262m N	Unspecified Depot	1975	1526756
I	262m N	Corporation Depot	1956	1521055
I	262m N	Unspecified Depot	1985	1526756
I	262m N	Corporation Depot	1966	1521055
I	263m N	Corporation Depot	1938	1533378
5	269m SE	Timber Yard	1985	1410426
P	278m N	Cuttings	1948	1529474
N	279m SW	Unspecified Depot	1975	1529925

ID	Location	Land Use	Date	Group ID
N	279m SW	Unspecified Depot	1985	1529925
N	279m SW	Unspecified Works	1966	1438168
Q	281m NW	Unspecified Tank	1948	1433312
P	285m N	Cuttings	1975	1497458
P	285m N	Cuttings	1956	1497458
P	285m N	Cuttings	1985	1497458
P	285m N	Cuttings	1966	1497458
P	289m N	Cuttings	1938	1463981
S	290m E	Dye Works	1956	1529166
T	298m NW	Unspecified Commercial/Industrial	1975	1541819
T	298m NW	Unspecified Commercial/Industrial	1985	1541819
T	298m NW	Unspecified Works	1966	1438169
J	307m E	Brick Works	1948	1547488
J	307m E	Brick Works	1938	1547661
J	307m E	Brick Works	1938	1547661
E	317m SW	Unspecified Warehouse	1985	1418616
J	322m E	Unspecified Works	1975	1458773
J	322m E	Unspecified Commercial/Industrial	1985	1410483
H	327m NE	Railway Building	1889	1490603
H	328m NE	Railway Building	1938	1551815
H	329m NE	Railway Building	1948	1551815
H	329m NE	Railway Building	1905	1490603
U	331m SW	Unspecified Works	1975	1471516
U	331m SW	Unspecified Works	1985	1471516
U	332m SW	Unspecified Works	1956	1470211
U	333m SW	Unspecified Works	1938	1528572
H	333m NE	Railway Building	1956	1521282
H	333m NE	Railway Building	1966	1521282



ID	Location	Land Use	Date	Group ID
U	337m SW	Unspecified Warehouse	1975	1522329
U	337m SW	Unspecified Warehouse	1985	1522329
U	338m SW	Unspecified Works	1948	1528572
S	344m E	Unspecified Works	1975	1486714
S	344m E	Unspecified Works	1985	1486714
S	344m E	Unspecified Works	1966	1486714
J	348m E	Railway Sidings	1956	1468521
S	350m E	Dye Works	1938	1497957
S	352m E	Dye Works	1948	1497957
Y	361m N	Corporation Depot	1948	1498428
J	364m E	Unspecified Ground Workings	1889	1466853
J	366m E	Railway Sidings	1948	1524371
J	366m E	Tramway Sidings	1938	1430811
J	368m E	Unspecified Ground Workings	1975	1501381
J	368m E	Unspecified Ground Workings	1966	1501381
Y	368m N	Unspecified Works	1975	1525656
Y	368m N	Unspecified Works	1985	1525656
Y	368m N	Unspecified Works	1966	1525656
Z	369m SW	Unspecified Depot	1975	1544932
Z	369m SW	Unspecified Depot	1985	1544932
J	369m E	Railway Sidings	1889	1479642
Y	371m N	Corporation Depot	1956	1498428
AA	374m SW	Unspecified Depot	1975	1501781
AA	374m SW	Unspecified Depot	1985	1501781
7	374m NE	Cuttings	1889	1548335
AA	374m SW	Unspecified Warehouse	1938	1517942
J	375m E	Unspecified Ground Workings	1905	1504274
AB	376m SW	Printing Works	1905	1420628



ID	Location	Land Use	Date	Group ID
AA	377m SW	Unspecified Warehouse	1948	1539167
Y	378m NE	Unspecified Depot	1975	1520165
Y	378m NE	Unspecified Depot	1985	1520165
Y	378m NE	Corporation Depot	1966	1498787
AC	383m NE	Engine Shed	1889	1496256
AC	383m NE	Railway Building	1905	1429007
I	386m NE	Railway Building	1975	1549943
I	386m NE	Railway Building	1956	1549943
I	386m NE	Railway Building	1985	1549943
I	386m NE	Railway Building	1966	1549943
AC	388m NE	Engine Shed	1948	1523065
J	391m E	Unspecified Works	1985	1551597
AC	395m NE	Engine Shed	1938	1490882
AC	397m NE	Engine Shed	1956	1507017
AC	398m NE	Engine Shed	1966	1507017
AD	403m SE	Unspecified Commercial/Industrial	1975	1505864
AD	403m SE	Unspecified Mills	1956	1494484
AD	403m SE	Unspecified Commercial/Industrial	1985	1505864
AD	403m SE	Unspecified Commercial/Industrial	1966	1505864
AD	404m SE	Unspecified Mills	1938	1494700
J	405m E	Refuse Heap	1948	1553899
AD	406m SE	Unspecified Mills	1948	1494700
J	408m E	Refuse Heap	1956	1553899
J	409m E	Refuse Heap	1938	1495070
J	409m E	Refuse Heap	1938	1495070
8	414m S	Goods Station	1948	1430910
9	414m S	Goods Station	1956	1430911
AB	424m SW	Goods Station	1938	1430909



ID	Location	Land Use	Date	Group ID
AF	427m N	Cuttings	1948	1477070
AF	428m N	Cuttings	1975	1547777
AF	428m N	Cuttings	1956	1547777
AF	428m N	Cuttings	1985	1547777
AF	428m N	Cuttings	1966	1547777
AF	428m N	Cuttings	1938	1544779
10	453m S	Railway Sidings	1938	1524644
AH	454m E	Unspecified Commercial/Industrial	1975	1494725
AH	454m E	Unspecified Commercial/Industrial	1985	1494725
AH	454m E	Unspecified Works	1966	1545540
AI	457m S	Omnibus Depot	1966	1420643
AI	459m S	Tramcar and Omnibus Depot	1938	1486273
AI	460m S	Tramway and Omnibus Depot	1956	1426515
AE	462m S	Railway Sidings	1948	1497235
AI	462m S	Tramway Depot	1905	1439859
11	463m E	Chemical Works	1905	1443316
AI	464m S	Unspecified Depot	1975	1517461
AI	464m S	Unspecified Depot	1985	1517461
AI	465m S	Tramcar and Omnibus Depot	1948	1486273
12	467m NW	Unspecified Mill	1889	1421244
J	471m E	Cuttings	1948	1523600
J	475m E	Cuttings	1938	1523600
AJ	483m SE	Unspecified Mills	1889	1464571
AJ	485m SE	Unspecified Mills	1938	1556687
AJ	487m SE	Unspecified Commercial/Industrial	1905	1519961
AL	487m NE	Unspecified Old Shaft	1905	1500567
AJ	487m SE	Unspecified Mills	1948	1479295
AJ	487m SE	Unspecified Mills	1975	1465532

ID	Location	Land Use	Date	Group ID
AJ	487m SE	Unspecified Mills	1956	1523683
AJ	487m SE	Unspecified Mills	1985	1465532
AJ	487m SE	Unspecified Mills	1966	1465532
AL	490m NE	Unspecified Old Shaft	1889	1500567

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	52
----------------------------	-----------

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

Features are displayed on the Past land use - un-grouped map on **page 22**

ID	Location	Land Use	Date	Group ID
A	82m SE	Unspecified Tank	1890	223051
K	229m E	Unspecified Tank	1890	223052
K	233m E	Unspecified Tank	1958	248133
K	233m E	Unspecified Tank	1959	248133
N	264m W	Tanks	1932	230359
4	266m NE	Unspecified Tank	1890	223055
I	269m NE	Unspecified Tank	1959	244015
I	269m NE	Unspecified Tank	1958	238785
6	315m SE	Unspecified Tank	1890	223225
J	333m E	Unspecified Tank	1890	244431
J	334m E	Unspecified Tank	1893	244431
S	345m E	Tanks	1992	249683
S	347m E	Tanks	1993	230360
S	347m E	Tanks	1982	235659
S	348m E	Tanks	1993	245518
S	350m E	Tanks	1992	243428



ID	Location	Land Use	Date	Group ID
S	351m E	Tanks	1993	230361
S	351m E	Tanks	1982	244585
S	351m E	Tanks	1993	230362
W	361m W	Unspecified Tank	1890	223053
W	363m W	Unspecified Tank	1890	223054
S	383m E	Unspecified Tank	1992	237992
S	385m E	Unspecified Tank	1982	237992
S	385m SE	Tanks	1992	240056
S	386m SE	Tanks	1982	243248
S	386m E	Tanks	1992	248250
S	386m SE	Tanks	1993	243248
S	388m E	Tanks	1982	248250
S	390m E	Tanks	1992	240546
S	391m E	Tanks	1993	230363
S	392m E	Tanks	1982	240546
S	401m E	Unspecified Tank	1992	247742
S	402m E	Unspecified Tank	1982	242702
S	403m E	Unspecified Tank	1993	235303
S	406m E	Tanks	1992	249030
S	407m E	Tanks	1982	249030
S	408m E	Tanks	1993	249030
S	417m E	Tanks	1992	241772
S	418m E	Tanks	1982	234132
S	419m SE	Tanks	1993	243963
S	420m E	Tanks	1992	239781
S	422m E	Tanks	1993	239781
S	422m E	Tanks	1982	239781
AD	423m SE	Unspecified Tank	1890	223226



ID	Location	Land Use	Date	Group ID
AD	430m SE	Unspecified Tank	1890	223224
AB	438m SW	Tanks	1983	248750
AB	438m SW	Tanks	1978	248750
AD	439m SE	Unspecified Tank	1890	223223
AB	440m SW	Tanks	1993	248750
AD	441m SE	Unspecified Tank	1890	223222
AK	484m SW	Unspecified Tank	1983	243777
AK	485m SW	Unspecified Tank	1978	234800

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

28

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

Features are displayed on the Past land use - un-grouped map on **page 22**

ID	Location	Land Use	Date	Group ID
A	70m S	Electricity Substation	1993	128948
F	157m E	Electricity Substation	1992	133112
F	158m E	Electricity Substation	1982	132866
F	159m E	Electricity Substation	1993	132284
2	251m NW	Electricity Substation	1993	128949
R	286m SE	Electricity Substation	1992	134044
R	286m SE	Electricity Substation	1982	140974
R	289m SE	Electricity Substation	1993	132426
Q	300m NW	Electricity Substation	1972	146874
Q	300m NW	Electricity Substation	1986	137927
Q	300m NW	Electricity Substation	1989	137927
Q	300m NW	Electricity Substation	1989	137927



ID	Location	Land Use	Date	Group ID
Q	300m NW	Electricity Substation	1993	133255
V	352m SW	Electricity Substation	1986	143041
V	352m SW	Electricity Substation	1989	143041
V	352m SW	Electricity Substation	1989	143041
W	353m W	Electricity Substation	1986	139696
W	353m W	Electricity Substation	1989	139696
W	353m W	Electricity Substation	1989	139696
W	353m W	Electricity Substation	1993	143604
V	353m SW	Electricity Substation	1972	137821
W	353m W	Electricity Substation	1972	139696
V	354m SW	Electricity Substation	1993	137821
S	397m SE	Electricity Substation	1993	128971
S	403m SE	Electricity Substation	1992	146852
S	404m SE	Electricity Substation	1982	145661
Y	461m NE	Electricity Substation	1989	140306
Y	462m NE	Electricity Substation	1993	140306

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

40

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



Features are displayed on the Past land use - un-grouped map on **page 22**

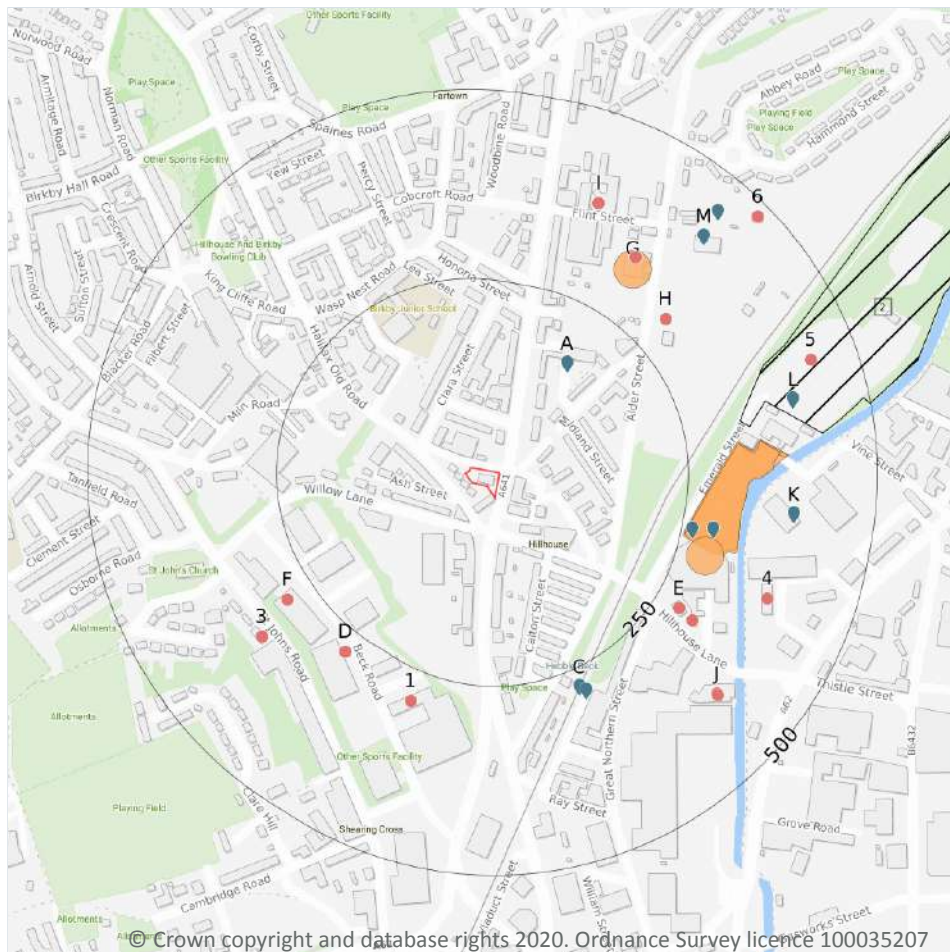
ID	Location	Land Use	Date	Group ID
D	142m NE	Garage	1992	44058
D	142m NE	Garage	1993	43827
G	159m S	Garage	1986	45543
G	159m S	Garage	1989	45543
G	159m S	Garage	1989	45543
I	187m NE	Garage	1959	41797
G	198m S	Garage	1972	45480
G	199m S	Garage	1993	43346
G	204m S	Garage	1959	45480
G	207m S	Garage	1958	42174
I	309m N	Garage	1993	41787
I	309m N	Garage	1989	42548
I	309m N	Garage	1959	46154
I	321m N	Garage	1958	46154
I	328m NE	Garage	1993	43585
I	329m NE	Garage	1989	42044
I	339m NE	Garage	1993	43297
X	361m E	Garage	1959	46545
X	362m E	Garage	1982	46545
X	363m E	Garage	1958	42798
I	368m NE	Garage	1989	42837
X	392m E	Garage	1993	42125
AE	408m S	Garage	1992	41966
AE	410m S	Garage	1995	45256
AE	410m S	Garage	1998	45256
AD	411m SE	Garage	1992	45714
AD	412m SE	Garage	1982	44184

ID	Location	Land Use	Date	Group ID
AD	413m SE	Garage	1993	45714
AG	451m S	Garage	1992	42559
AH	463m E	Garage	1992	42273
AH	464m E	Garage	1982	46305
AH	464m E	Garage	1993	46305
AG	480m S	Garage	1992	41642
AG	481m S	Garage	1995	45918
AG	481m S	Garage	1998	45918
AG	486m S	Garage	1981	44481
AG	486m S	Garage	1984	44481
X	489m E	Garage	1959	46545
X	489m E	Garage	1995	44059
X	489m E	Garage	1984	46545

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

1

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

Features are displayed on the Waste and landfill map on **page 35**

ID	Location	Details		
2	325m E	Site Address: Emerald Street Brick and Tile Landfill Site, Huddersfield Licence Holder Address: -	Waste Licence: - Site Reference: 4700/WY053, 1382 Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: West Yorkshire Metropolitan County Council Licence Holder: West Yorkshire Waste Management Limited First Recorded - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m

5

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

Features are displayed on the Waste and landfill map on **page 35**

ID	Location	Address	Further Details	Date
B	253m E	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982

ID	Location	Address	Further Details	Date
B	254m E	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
B	255m E	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1993
B	263m E	Site Address: Vine Street, /Diamond Street, HUDDERSFIELD, West Yorkshire,	Type of Site: Materials Recycling Facility Planning application reference: 99/62/91882 Description: Construction and operation of a new materials recycling facility and waste to energy plant. Includes gatehouse, weighbridge, parking and landscaping. Construction - steel cladding walls; steel cladding roof. An application (ref: 99/62/91882) for Detailed Planning permission was submitted to Kirklees B.C. on 2nd July 1999. Data source: Historic Planning Application Data Type: Point	-
G	297m NE	Site Address: Hillhouse Sidings, Alder Street, Fartown, HUDDERSFIELD, West Yorkshire, HD1 6LD	Type of Site: Waste Transfer Station (c/u) Planning application reference: 94/62/91309/WO Description: An application (ref: 94/62/91309/WO) for Detailed Planning permission was submitted to Kirklees B.C. on 22nd April 1994. Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m

17

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

Features are displayed on the Waste and landfill map on **page 35**



ID	Location	Details		
A	169m NE	Site Name: Flint Street/alder Street Depot Site Address: Flint Street/alder Street Depot, Flint Street, Fartown, Huddersfield, West Yorkshire, HD1 6LG Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KMC002 EPR reference: EA/EPR/PP3796ZK/A001 Operator: Kirklees Council Waste Management licence No: 65523 Annual Tonnage: 24999	Issue Date: 12/01/2007 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	169m NE	Site Name: Alder Street Depot Site Address: Alder Street Depot, Flint Street, Fartown, Huddersfield, West Yorkshire, HD1 6LG Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KMC002 EPR reference: EA/EPR/PP3796ZK/V003 Operator: Kirklees Metropolitan Council Waste Management licence No: 65523 Annual Tonnage: 24999	Issue Date: 12/01/2007 Effective Date: - Modified:: 19/03/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	263m E	Site Name: Huddersfield Transfer Loading Station Site Address: Vine Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6NT Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR009 EPR reference: EA/EPR/FP3195ZK/A001 Operator: Sita (kirklees) Limited Waste Management licence No: 61060 Annual Tonnage: 100000	Issue Date: 02/04/1998 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: IPPC



ID	Location	Details		
B	263m E	Site Name: Huddersfield Transfer Loading Station Site Address: Vine Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6NT Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR009 EPR reference: EA/EPR/FP3195ZK/A001 Operator: Sita (Kirklees) Ltd Waste Management licence No: 61060 Annual Tonnage: 100000	Issue Date: 02/04/1998 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC
C	274m SE	Site Name: A K Auto Centre Limited Site Address: A K Auto Centre Ltd, 45-46, Lower Viaduct Street, Huddersfield, West Yorkshire, HD1 6BN Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AKA003 EPR reference: EA/EPR/HB3530RN/V002 Operator: A K Auto Centre Limited Waste Management licence No: 104324 Annual Tonnage: 4999	Issue Date: 31/08/2012 Effective Date: - Modified:: 20/01/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	283m SE	Site Name: A K Auto Centre Ltd Site Address: A K Auto Centre Ltd, 45-46, Lower Viaduct Street, Huddersfield, West Yorks, HD1 6BN Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AKA003 EPR reference: EA/EPR/HB3530RN/A001 Operator: A K Auto Centre Ltd Waste Management licence No: 104324 Annual Tonnage: 4999	Issue Date: 31/08/2012 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	291m E	Site Name: Vine Street Mrf Site Address: Land/premises At, Vine Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6NT Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000073 EPR reference: EA/EPR/XP3792ZK/V002 Operator: Sita (kirklees) Ltd Waste Management licence No: 65286 Annual Tonnage: 24999	Issue Date: 31/03/2005 Effective Date: - Modified:: 23/05/2006 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
B	291m E	Site Name: Vine Street Mrf Site Address: Land/premises At, Vine Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6NT Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000073 EPR reference: EA/EPR/XP3792ZK/V002 Operator: Sita (Kirklees) Ltd Waste Management licence No: 65286 Annual Tonnage: 24999	Issue Date: 31/03/2005 Effective Date: - Modified:: 23/05/2006 Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Modified
B	291m E	Site Name: Vine Street Mrf Site Address: Land/premises At, Vine Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6NT Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000073 EPR reference: EA/EPR/XP3792ZK/V003 Operator: Suez Recycling And Recovery Kirklees Ltd Waste Management licence No: 65286 Annual Tonnage: 24999	Issue Date: 31/03/2005 Effective Date: - Modified:: 30/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
K	392m E	Site Name: Huddersfield Hws Site Address: Huddersfield Hws, Vine Street, Leeds Road, Huddersfield, HD1 6NT Correspondence Address: Lancashire House, 24, Winckley Square, Preston, PR1 3JJ	Type of Site: Household Waste Amenity Site Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: KIR010 EPR reference: - Operator: Kirklees Waste Services Limited Waste Management licence No: 61062 Annual Tonnage: 0	Issue Date: 02/04/1996 Effective Date: - Modified:: - Surrendered Date: 11/08/2000 Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
K	392m E	Site Name: Huddersfield Hws Site Address: Huddersfield Hws, Vine Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6NT Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR010 EPR reference: EA/EPR/CP3395ZT/S002 Operator: Kirklees Waste Services Limited Waste Management licence No: 61062 Annual Tonnage: 15650	Issue Date: 02/04/1996 Effective Date: - Modified:: - Surrendered Date: Aug 11 2000 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
L	400m E	Site Name: Emerald Street Household Waste Site & Composting Facility Site Address: Emerald Street, Huddersfield, West Yorkshire Correspondence Address: Diamond Street, Huddersfield, West Yorkshire, HD1 6BZ	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR002 EPR reference: - Operator: Sita (Kirklees) Limited Waste Management licence No: 65026 Annual Tonnage: 0	Issue Date: 19/08/1999 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
L	400m E	Site Name: Emerald Street Household Waste Site & Composting Facility Site Address: Land/premises At, Emerald Street, Huddersfield, West Yorkshire, HD1 6BY Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR002 EPR reference: EA/EPR/HP3894ZJ/V002 Operator: Sita (kirklees) Limited Waste Management licence No: 65026 Annual Tonnage: 24999	Issue Date: 19/08/1999 Effective Date: - Modified:: 23/08/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
L	400m E	Site Name: Emerald Street Household Waste Site & Composting Facility Site Address: Land/premises At, Emerald Street, Huddersfield, West Yorkshire, HD1 6BY Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR002 EPR reference: EA/EPR/HP3894ZJ/V002 Operator: Sita (Kirklees) Ltd Waste Management licence No: 65026 Annual Tonnage: 24999	Issue Date: 19/08/1999 Effective Date: - Modified:: 23/08/2007 Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Modified
L	400m E	Site Name: Emerald Street Household Waste Site & Composting Facility Site Address: Land/premises At, Emerald Street, Huddersfield, West Yorkshire, HD1 6BY Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR002 EPR reference: EA/EPR/HP3894ZJ/V005 Operator: Suez Recycling And Recovery Kirklees Ltd Waste Management licence No: 65026 Annual Tonnage: 24999	Issue Date: 19/08/1999 Effective Date: - Modified:: 30/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
M	413m NE	Site Name: Truckline Services Ltd Site Address: Hillhouse Sidings, Alder Street, Huddersfield, West Yorkshire, HD1 6LD Correspondence Address: -	Type of Site: 75kte Vehicle Depollution Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TRU035 EPR reference: EA/EPR/FP3995LH/A001 Operator: Truckline Services Ltd Waste Management licence No: 101433 Annual Tonnage: 74999	Issue Date: 25/02/2010 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
M	450m NE	Site Name: Able Fuels Site Address: Hillhouse Sidings, Alder Street, Fartown, Huddersfield, West Yorkshire, HD1 6LD Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ABL001 EPR reference: EA/EPR/FP3395ZC/S002 Operator: Able Fuels Waste Management licence No: 61051 Annual Tonnage: 4920	Issue Date: 07/12/1994 Effective Date: - Modified:: - Surrendered Date: Sep 19 2000 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered

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

3.7 Waste exemptions

Records within 500m	24
----------------------------	-----------

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 35**

ID	Location	Site	Reference	Category	Sub-Category	Description
D	280m SW	Unit 13/14 The Ringway Centre HD1 5DG	EPR/YE5341KG /A001	Storing waste exemption	Non- Agricultural Waste Only	Storage of waste in a secure place
D	280m SW	Unit 13/14 The Ringway Centre HD1 5DG	EPR/YE5341KG /A001	Treating waste exemption	Non- Agricultural Waste Only	Sorting mixed waste
D	280m SW	Unit 13/14 The Ringway Centre HD1 5DG	EPR/YE5341KG /A001	Treating waste exemption	Non- Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
E	284m SE	EMERALD STREET, HUDDERSFIELD, HD1 6BY	WEX156527	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
F	289m SW	UNIT 14-16, THE RINGWAY CENTRE, BECK ROAD, HUDDERSFIELD, HD1 5DG	WEX105893	Treating waste exemption	Not on a farm	Recovery of textiles
F	289m SW	UNIT 14-16, THE RINGWAY CENTRE, BECK ROAD, HUDDERSFIELD, HD1 5DG	WEX105893	Treating waste exemption	Not on a farm	Sorting mixed waste



ID	Location	Site	Reference	Category	Sub-Category	Description
1	292m S	Unit 29 Ringway Industrail Estate Beck Road Huddersfield Yorkshire HD1 5DG	EA/EPR/VP374 1FL/A001	Treating waste exemption	Non-Agricultural Waste Only	Repair or refurbishment of WEEE
H	300m NE	Land At Alder Street Huddersfield West Yorkshire HD1 6LD	EPR/AE5756VZ /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
H	300m NE	Land At Alder Street Huddersfield West Yorkshire HD1 6LD	EPR/AE5756VZ /A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
H	300m NE	Land At Alder Street Huddersfield West Yorkshire HD1 6LD	EPR/AE5756VZ /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
E	308m SE	SUEZ Recycling and Recovery Kirklees Ltd, Emerald Street HWRC and Composting Site, Emerald Street, Huddersfield, HD1 6BY	WEX139982	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	308m SE	Emerald Street Depot, Emerald Steet, Huddersfield, HD1 6BY	WEX157784	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
G	337m NE	Land At Alder Street Huddersfield West Yorkshire HD1 6LD	EPR/SE5852W S/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
G	337m NE	Land At Alder Street Huddersfield West Yorkshire HD1 6LD	EPR/SE5852W S/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
G	337m NE	Land At Alder Street Huddersfield West Yorkshire HD1 6LD	EPR/SE5852W S/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
3	345m SW	33, St John's Road, Huddersfield, HD1 5DX	WEX144069	Disposing of waste exemption	Not on a farm	Burning waste in the open
I	380m N	Kirklees council, Alder street, huddersfield, hd1 6lg	WEX001687	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	380m N	Kirklees council, Alder street, huddersfield, hd1 6lg	WEX001687	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes

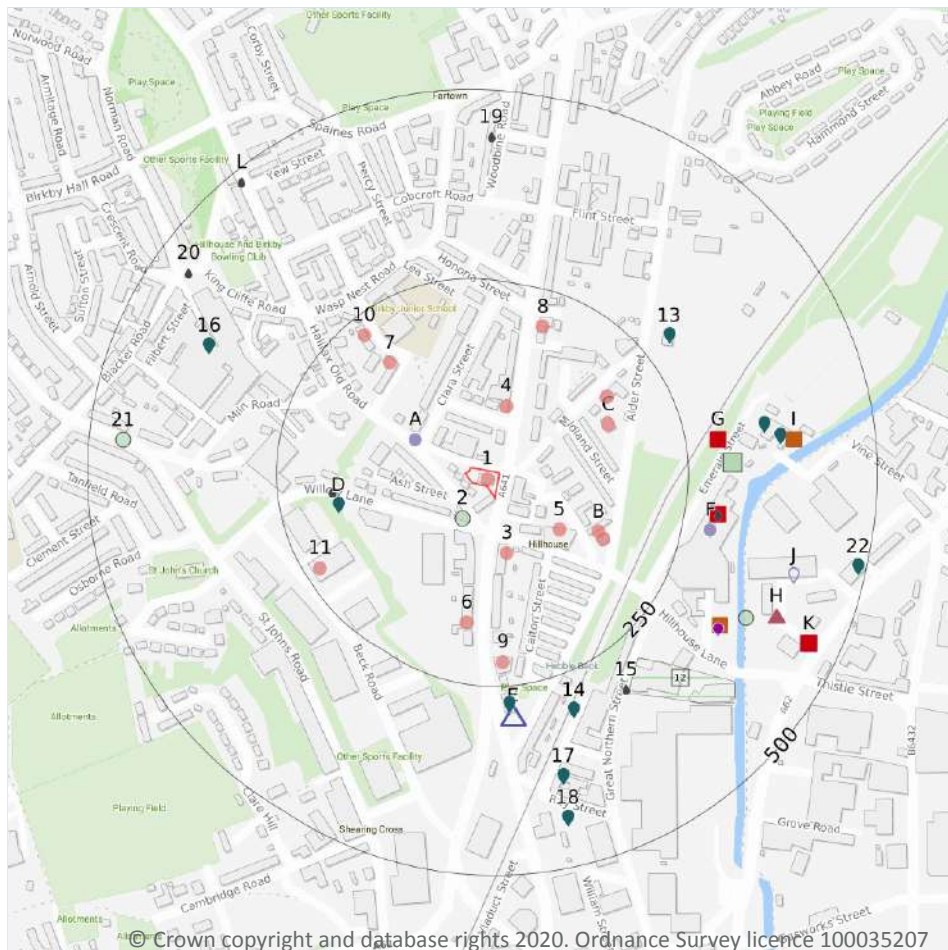


ID	Location	Site	Reference	Category	Sub-Category	Description
I	380m N	Kirklees council, Alder street, huddersfield, hd1 6lg	WEX001687	Using waste exemption	Not on a farm	Use of waste in construction
4	384m E	Unit 7, St Andrews Court, Leeds Road, Huddersfield, HD1 6NW	WEX126355	Storing waste exemption	Not on a farm	Storage of waste in a secure place
J	392m SE	CANAL MILLS HILLHOUSE LANE HUDDERSFIELD HD1 1ED	EPR/SF0732VA /A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
J	394m SE	CANAL MILLS, HILLHOUSE LANE, HUDDERSFIELD, HD1 1ED	WEX085016	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
5	438m E	Emerald Street HWRC and Composting Site Emerald Street HUDDERSFIELD HD1 6BY	EPR/XE5247ZG /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
6	481m NE	ALDER STREET, HUDDERSFIELD, HD1 6LD	WEX134294	Disposing of waste exemption	Not on a farm	Burning waste in the open

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ▲ Current or recent petrol stations
- Control of Major Accident Hazards
- ▲ Hazardous substance storage/usage
- Historical licensed industrial activities
- Part A(1) industrial activities
- ◆ Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollutant release to public sewer
- List 1 Dangerous Substances
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m

14

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Company	Address	Activity	Category
1	On site	Works	West Yorkshire, HD1	Unspecified Works Or Factories	Industrial Features
3	75m S	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities
4	89m N	A C Electronics	171b, Bradford Road, Huddersfield, West Yorkshire, HD1 6EQ	Electrical Equipment Repair and Servicing	Repair and Servicing



ID	Location	Company	Address	Activity	Category
5	95m SE	Chippendale Plant Ltd	Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6JT	Construction and Tool Hire	Hire Services
B	144m E	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities
B	153m E	Works	West Yorkshire, HD1	Unspecified Works Or Factories	Industrial Features
C	158m NE	Elf Forktrucks Ltd	29, Alder Street, Huddersfield, West Yorkshire, HD1 6LD	Lifting and Handling Equipment	Industrial Products
6	170m S	Best at Hire	89-91, Bradford Road, Huddersfield, West Yorkshire, HD1 6DZ	Construction and Tool Hire	Hire Services
C	175m NE	Whitestone Garage	Whitestone Lane, Huddersfield, West Yorkshire, HD1 6JY	Vehicle Repair, Testing and Servicing	Repair and Servicing
7	175m NW	Auto Commercial s	Unit 1, Mead Street, Huddersfield, West Yorkshire, HD1 6HE	Vehicle Repair, Testing and Servicing	Repair and Servicing
8	202m N	Texaco	Bridge Service Station 220, Bradford Road, Huddersfield, West Yorkshire, HD1 6LJ	Petrol and Fuel Stations	Road and Rail
9	218m S	Zak Autos Ltd	44, Bradford Road, Huddersfield, West Yorkshire, HD1 6JE	Vehicle Parts and Accessories	Motoring
10	225m NW	Star Garage	23, Mead Street, Huddersfield, West Yorkshire, HD1 6HE	Vehicle Repair, Testing and Servicing	Repair and Servicing
11	229m SW	Crowther & Shaw Ltd	Unit 21-23 The Ringway Centre, Beck Road, Huddersfield, West Yorkshire, HD1 5DG	Electrical Equipment Repair and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Company	Address	LPG	Status
E	290m S	TEXACO	38, Bradford Road, Huddersfield, West Yorkshire, HD1 6LJ	Yes	Open

This data is sourced from Experian.



4.3 Electricity cables

Records within 500m**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**1**

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.

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Company	Address	Operational status	Tier
12	284m SE	James Robinsons Ltd	James Robinsons Ltd, Hillhouse Lane, Huddersfield, HD1 6BU	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

1

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.

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Details	
H	404m SE	Application reference number: 99/93022 Application status: Historical Consent Application date: 19/10/1999 Address: James Robinson Ltd, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU	Details: Deemed Consent for the presence of very toxic and toxic substances. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

37

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.

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Details	
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: AK6233	Original Permit Number: IPCAPP Date Approved: 2-2-1994 Effective Date: 14-2-1994 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: AK6241	Original Permit Number: IPCAPP Date Approved: 1-2-1994 Effective Date: 14-2-1994 Status: Superseded By Variation

ID	Location	Details	
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: AK6250	Original Permit Number: IPCAPP Date Approved: 2-2-1994 Effective Date: 14-2-1994 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Acid Processes Permit Number: AL7405	Original Permit Number: IPCAPP Date Approved: 27-4-1994 Effective Date: 9-5-1994 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: AM2824	Original Permit Number: IPCMINVAR Date Approved: 3-3-1994 Effective Date: 14-3-1994 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Inorganic Chemical Processes Permit Number: AN9212	Original Permit Number: IPCAIRAPP Date Approved: 10-10-1994 Effective Date: 1-11-1994 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: AO3058	Original Permit Number: IPCMINVAR Date Approved: 7-9-1994 Effective Date: 19-9-1994 Status: Revoked
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: AO3074	Original Permit Number: IPCMINVAR Date Approved: 7-9-1994 Effective Date: 19-9-1994 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: AO3082	Original Permit Number: IPCMINVAR Date Approved: 3-11-1994 Effective Date: 3-11-1994 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box B3, Hillhouse Lane, Huddersfield, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: AP4980	Original Permit Number: IPCAPP Date Approved: 8-3-1995 Effective Date: 1-4-1995 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: AQ7631	Original Permit Number: IPCMINVAR Date Approved: 27-3-1995 Effective Date: 1-4-1995 Status: Superseded By Variation



ID	Location	Details	
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: AS7876	Original Permit Number: IPCAPP Date Approved: 19-9-1995 Effective Date: 25-9-1995 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: AT9742	Original Permit Number: IPCMINVAR Date Approved: 23-11-1995 Effective Date: 1-12-1995 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: AT9769	Original Permit Number: IPCMINVAR Date Approved: 23-11-1995 Effective Date: 1-12-1995 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Acid Processes Permit Number: AT9777	Original Permit Number: IPCMINVAR Date Approved: 23-11-1995 Effective Date: 1-12-1995 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Inorganic Chemical Processes Permit Number: AT9785	Original Permit Number: IPCMINVAR Date Approved: 23-11-1995 Effective Date: 1-12-1995 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box B3, Hillhouse Lane, Huddersfield, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: BD0621	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: BD2578	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: BD3361	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: BD3370	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation



ID	Location	Details	
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Acid Processes Permit Number: BD3388	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Inorganic Chemical Processes Permit Number: BD3396	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: BG1292	Original Permit Number: IPCMINVAR Date Approved: 9-6-1999 Effective Date: 18-6-1999 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: BG1306	Original Permit Number: IPCMINVAR Date Approved: 9-6-1999 Effective Date: 18-6-1999 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Acid Processes Permit Number: BG1314	Original Permit Number: IPCMINVAR Date Approved: 9-6-1999 Effective Date: 18-6-1999 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: BG1322	Original Permit Number: IPCMINVAR Date Approved: 9-6-1999 Effective Date: 18-6-1999 Status: Revoked
A	80m NW	Operator: James Robinson Ltd Address: PO Box B3, Hillhouse Lane, Huddersfield, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: BJ4981	Original Permit Number: IPCMINVAR Date Approved: 30-3-2001 Effective Date: 30-3-2001 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: BK6424	Original Permit Number: IPCMINVAR Date Approved: 6-3-2001 Effective Date: 8-3-2001 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Acid Processes Permit Number: BL4079	Original Permit Number: IPCMINVAR Date Approved: 21-8-2001 Effective Date: 24-8-2001 Status: Revoked



ID	Location	Details	
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: BL4087	Original Permit Number: IPCMINVAR Date Approved: 21-8-2001 Effective Date: 24-8-2001 Status: Superseded By Variation
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: BT3307	Original Permit Number: IPCMINVAR Date Approved: 15-10-2002 Effective Date: 21-10-2002 Status: Revoked
A	80m NW	Operator: James Robinson Ltd Address: PO Box B3, Hillhouse Lane, Huddersfield, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: BY6915	Original Permit Number: IPCMINVAR Date Approved: 16-11-2004 Effective Date: 1-2-2005 Status: Revoked
A	80m NW	Operator: James Robinson Ltd Address: PO Box 83, Hillhouse Lane, Huddersfield, West Yorkshire, HD1 6BU Process: Manufacture And Use Of Organic Chemicals Permit Number: CB1648	Original Permit Number: IPCMINVAR Date Approved: 15-2-2007 Effective Date: 15-2-2007 Status: Revoked
F	288m E	Operator: Sita (kirkless) Ltd Address: Vine Street Incinerator Plant, Vine Street, Huddersfield, West Yorkshire, HD1 6NT Process: Incineration Permit Number: BG4020	Original Permit Number: IPCAPP Date Approved: 27-10-1999 Effective Date: 1-11-1999 Status: Revoked - Now Ippc
I	391m E	Operator: West Yorkshire Waste Ltd Address: Huddersfield Incinerator, Vine Street, Huddersfield, West Yorkshire, HD1 6NT Process: Incineration Permit Number: AG8446	Original Permit Number: IPCAIRAPP Date Approved: 28-5-1993 Effective Date: 28-5-1993 Status: Superseded By Variation
I	391m E	Operator: West Yorkshire Waste Ltd Address: Huddersfield Incinerator, Vine Street, Huddersfield, West Yorkshire, HD1 6NT Process: Incineration Permit Number: AL5585	Original Permit Number: IPCMINVAR Date Approved: 29-4-1994 Effective Date: 6-5-1994 Status: Superseded By Variation
I	391m E	Operator: West Yorkshire Waste Ltd Address: Huddersfield Incinerator, Vine Street, Huddersfield, West Yorkshire, HD1 6NT Process: Incineration Permit Number: AT8541	Original Permit Number: IPCMINVAR Date Approved: 3-11-1995 Effective Date: 1-12-1995 Status: Revoked

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



4.10 Licensed industrial activities (Part A(1))

Records within 500m

12

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 46**

ID	Location	Details	
F	288m E	Operator: SITA (KIRKLESS) LTD Installation Name: - Process: WASTE INCINERATION; MUNICIPAL WASTE >3T/HR Permit Number: BJ6178 Original Permit Number: BJ6178	EPR Reference: - Issue Date: 06/06/2001 Effective Date: 06/06/2001 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
F	288m E	Operator: SITA (KIRKLEES) LIMITED Installation Name: KIRKLEES EFW EPR/BJ6178IX Process: WASTE INCINERATION; HAZARDOUS WASTE UNLESS OTHERWISE STATED Permit Number: BJ6178IX Original Permit Number: BJ6178IX	EPR Reference: - Issue Date: 06/06/2001 Effective Date: 06/06/2001 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	342m SE	Operator: SITA (KIRKLEES) LIMITED Installation Name: KIRKLEES EFW EPR/BJ6178IX Process: WASTE INCINERATION; HAZARDOUS WASTE UNLESS OTHERWISE STATED Permit Number: EP3637XZ Original Permit Number: BJ6178IX	EPR Reference: - Issue Date: 11/07/2008 Effective Date: 11/07/2008 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	342m SE	Operator: SITA (KIRKLEES) LIMITED Installation Name: KIRKLEES EFW EPR/BJ6178IX Process: WASTE INCINERATION; HAZARDOUS WASTE UNLESS OTHERWISE STATED Permit Number: HP3339KB Original Permit Number: BJ6178IX	EPR Reference: - Issue Date: 09/02/2010 Effective Date: 09/02/2010 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	342m SE	Operator: SITA (KIRKLEES) LIMITED Installation Name: KIRKLEES EFW EPR/BJ6178IX Process: WASTE INCINERATION; HAZARDOUS WASTE UNLESS OTHERWISE STATED Permit Number: KP3138FW Original Permit Number: BJ6178IX	EPR Reference: - Issue Date: 29/07/2011 Effective Date: 29/07/2011 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	342m SE	Operator: SITA (KIRKLEES) LIMITED Installation Name: KIRKLEES EFW EPR/BJ6178IX Process: WASTE INCINERATION; HAZARDOUS WASTE UNLESS OTHERWISE STATED Permit Number: RP3934SY Original Permit Number: BJ6178IX	EPR Reference: - Issue Date: 24/11/2005 Effective Date: 24/11/2005 Last date noted as effective: 15/05/2020 Status: SUPERCEDED



ID	Location	Details	
H	342m SE	Operator: SITA (KIRKLEES) LIMITED Installation Name: KIRKLEES EFW EPR/BJ6178IX Process: ASSOCIATED PROCESS Permit Number: WP3230RL Original Permit Number: BJ6178IX	EPR Reference: - Issue Date: 28/08/2015 Effective Date: 28/08/2015 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	342m SE	Operator: SITA (KIRKLEES) LIMITED Installation Name: KIRKLEES EFW EPR/BJ6178IX Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: WP3230RL Original Permit Number: BJ6178IX	EPR Reference: - Issue Date: 28/08/2015 Effective Date: 28/08/2015 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	342m SE	Operator: SUEZ RECYCLING AND RECOVERY KIRKLEES LTD Installation Name: KIRKLEES EFW EPR/BJ6178IX Process: ASSOCIATED PROCESS Permit Number: AP3530DY Original Permit Number: BJ6178IX	EPR Reference: - Issue Date: 30/06/2016 Effective Date: 30/06/2016 Last date noted as effective: 15/05/2020 Status: EFFECTIVE
H	342m SE	Operator: SUEZ RECYCLING AND RECOVERY KIRKLEES LTD Installation Name: KIRKLEES EFW EPR/BJ6178IX Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: AP3530DY Original Permit Number: BJ6178IX	EPR Reference: - Issue Date: 30/06/2016 Effective Date: 30/06/2016 Last date noted as effective: 15/05/2020 Status: EFFECTIVE
J	408m E	Operator: JAMES ROBINSON LTD Installation Name: DYESTUFFS MANUFACTURER, LEEDS ROAD, HUDDERSFIELD Process: ORGANIC CHEMICALS; DYES AND PIGMENTS Permit Number: GP3531LZ Original Permit Number: GP3531LZ	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 02/04/2007 Status: DETERMINATION
J	408m E	Operator: JAMES ROBINSON LTD Installation Name: DYESTUFFS MANUFACTURER, LEEDS ROAD, HUDDERSFIELD Process: ASSOCIATED PROCESS Permit Number: GP3531LZ Original Permit Number: GP3531LZ	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 02/04/2007 Status: DETERMINATION

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



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

Records within 500m

10

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

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Address	Details	
D	173m W	Benjamin Shaw & Sons Ltd, Willow Lane, Huddersfield, HD1 5ED	Process: Waste Oil Burner 0.4 MW Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
E	274m S	Bridge Service Station, 20/32 Bradford Road, Huddersfield, HD1 6JE	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
13	288m NE	Hi-Spec Concrete UK, The Sidings, Off Alder Street, Fartown, Huddersfield, HD1 3PR	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
14	300m S	G S Motors, 41 Lower Viaduct Street, Huddersfield, HD1 6BW	Process: Waste Oil Burner 0.4 MW Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
I	355m E	Kilner Hutchinson Ltd, Emerald Street, Hillhouse, Huddersfield, HD1 6BY	Process: Other Metal Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
I	374m E	Roadend Foundry, Mark Brooks Yard, Huddersfield, HD1 6NU	Process: Non-ferrous Metal Foundry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
16	379m NW	Mitre Sports Inter Ltd, Bay Hall Works, Birkby, Huddersfield, HD1 5AJ	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
17	379m S	Smithy Garage, 28 Viaduct St, Huddersfield, HD1 6BW	Process: Waste Oil Burner 0.4 MW Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
18	434m S	Gothards Ltd, 8 Myrtle St, Huddersfield, HD1 6BP	Process: Pet Food Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
22	488m E	Surefix Motoring Centre, 229 Leeds Road, Huddersfield, HD1 6NW	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

12

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

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Address	Details	
D	178m W	COPLEY VILLAGE SPS, COPLEY LANE, HALIFAX, WAKEFIELD, WEST YORKSHIRE, HX3 0UQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993



ID	Location	Address	Details	
D	178m W	COPLEY VILLAGE SPS, COPLEY LANE, HALIFAX, WAKEFIELD, WEST YORKSHIRE, HX3 0UQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995
D	178m W	COPLEY VILLAGE SPS, COPLEY LANE, HALIFAX, WAKEFIELD, WEST YORKSHIRE, HX3 0UQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995
D	178m W	COPLEY VILLAGE SPS, COPLEY LANE, HALIFAX, WAKEFIELD, WEST YORKSHIRE, HX3 0UQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 4 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 06/03/1995 Revocation Date: -
F	294m E	GKN BUILDING SERVICES, OFF DIAMOND STREET, HILLHOUSE, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 3618 Permit Version: 1 Receiving Water: HUDDERSFIELD BROAD CANAL	Status: REVOKED - UNSPECIFIED Issue date: 12/05/1982 Effective Date: 12/05/1982 Revocation Date: 06/11/1992
15	307m SE	CASTLEGATE BRADFORD CSO, CASTLEGATE, HUDDERSFIELD, WEST YORKSHIRE, HD1 5AN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WADC805 Permit Version: 3 Receiving Water: CULV TRIB OF HEBBLE BECK	Status: VARIED UNDER EPR 2010 Issue date: 09/06/2017 Effective Date: 09/06/2017 Revocation Date: -
19	438m N	DALTON WORKS, LEEDS ROAD, HUDDERSFIELD	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: WRA6700 Permit Version: 1 Receiving Water: RIVER COLNE	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 03/08/1992 Effective Date: 03/08/1992 Revocation Date: 09/10/1997

ID	Location	Address	Details	
20	452m NW	CRESCENT ROAD CSO, OPPOSITE 18 CRESCENT ROAD, BIRKBY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8759 Permit Version: 2 Receiving Water: TRIBUTARY OF GRIMSCAR DIKE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 28/06/2007 Effective Date: 28/06/2007 Revocation Date: -
L	484m NW	COPLEY VILLAGE SPS, COPLEY LANE, HALIFAX, WAKEFIELD, WEST YORKSHIRE, HX3 0UQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
L	484m NW	COPLEY VILLAGE SPS, COPLEY LANE, HALIFAX, WAKEFIELD, WEST YORKSHIRE, HX3 0UQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995
L	484m NW	COPLEY VILLAGE SPS, COPLEY LANE, HALIFAX, WAKEFIELD, WEST YORKSHIRE, HX3 0UQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995
L	484m NW	COPLEY VILLAGE SPS, COPLEY LANE, HALIFAX, WAKEFIELD, WEST YORKSHIRE, HX3 0UQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 4 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 06/03/1995 Revocation Date: -

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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



4.15 Pollutant release to public sewer

Records within 500m

2

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Address	Details	
H	342m SE	SITA (KIRKLESS) LTD, HONLEY LANDFILL SITE, HONLEY LANDFILL SITE, HONLEY, HUDDERSFIELD, HD7 2RF	Permission reference: BJ0714 Local Authority: KIRKLEES METROPOLITAN BOROUGH COUNCIL First received date: 01/07/2010	Last received date: 01/01/2018 Status: RECEIVED
I	391m E	WAKEFIELD CITY COUNCIL, HUDDERSFIELD INCINERATOR, VINE STREET, HUDDERSFIELD, WEST YORKSHIRE, HD1 6NT	Permission reference: AI6258 Local Authority: WAKEFIELD CITY COUNCIL First received date: 01/06/2001	Last received date: 01/01/2018 Status: RECEIVED

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

4.16 List 1 Dangerous Substances

Records within 500m

5

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.

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Name	Status	Receiving Water	Authorised Substances
G	293m E	Kirklees Waste Services Ltd, Huddersfield	Active	Dummy Site	Mercury (other), Cadmium
F	294m E	Sita Kirkless Limited	Active	Dummy Site	Mercury (other), Cadmium
K	458m SE	James Robinson Ltd, Hillhouse Lane, Huddersfield	Active	Dummy Site	Mercury (other)
K	458m SE	James Robinson Ltd, Hillhouse Lane, Huddersfield	Active	Dummy Site	Mercury (other)
K	458m SE	James Robinson Ltd, Hillhouse Lane, Huddersfield	Active	Dummy Site	Mercury (other)

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



4.17 List 2 Dangerous Substances

Records within 500m

1

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.

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Name	Status	Receiving Water	Authorised Substances
G	309m E	Kirklees Waste Services Ltd	Not Active	Unknown	Arsenic, Chromium, Copper, Lead, Zinc

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

3

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 46**

ID	Location	Details	
2	48m S	Incident Date: 20/07/2001 Incident Identification: 17694 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
H	368m SE	Incident Date: 18/10/2002 Incident Identification: 115621 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
21	455m W	Incident Date: 21/11/2002 Incident Identification: 122311 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m

5

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.

Features are displayed on the Current industrial land use map on **page 46**

ID: H, Location: 342m SE, Permit: BJ6178IX
 Operator: Suez Recycling And Recovery Kirklees Ltd
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: Kirklees Waste Services Vine Street Hillhouse Kirklees HD1 6BZ
 Sector: EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Particulate matter - PM10	1000kg	2686.4kg
Air	Particulate matter - PM2.5	1000kg	2686.4kg

ID: H, Location: 342m SE, Permit: BJ6178IX
 Operator: Suez Recycling And Recovery Kirklees Ltd
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: Kirklees Waste Services Vine Street Hillhouse Kirklees HD1 6BZ
 Sector: EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Polychlorinated biphenyls (PCBs) - as WHO TEQ	1e-5kg	0.00048kg

ID: H, Location: 342m SE, Permit: BJ6178IX
 Operator: Suez Recycling And Recovery Kirklees Ltd
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: Kirklees Waste Services Vine Street Hillhouse Kirklees HD1 6BZ
 Sector: EfW, Sub-sector: EfW
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nitrogen oxides (NO and NO ₂) as NO ₂	100000kg	159493.2kg

ID: H, Location: 342m SE, Permit: BJ6178IX
 Operator: Suez Recycling And Recovery Kirklees Ltd
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: Kirklees Waste Services Vine Street Hillhouse Kirklees HD1 6BZ
 Sector: EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrous oxide	10000kg	Below Reporting Threshold
Air	Arsenic	1kg	Below Reporting Threshold
Air	Cadmium	1kg	Below Reporting Threshold
Air	Chromium	10kg	Below Reporting Threshold
Air	Copper	10kg	Below Reporting Threshold
Air	Lead	100kg	Below Reporting Threshold
Air	Mercury	1kg	Below Reporting Threshold
Air	Nickel	10kg	Below Reporting Threshold
Air	Chlorine and inorganic chlorine compounds - as HCl	10000kg	Below Reporting Threshold
Air	Fluorine and inorganic fluorine compounds - as HF	1000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Air	Benzo(k)fluoranthene	1kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	1e-5kg	Below Reporting Threshold
Air	Benzo(a)pyrene	1kg	Below Reporting Threshold
Air	Naphthalene	100kg	Below Reporting Threshold
Air	Polychlorinated biphenyls (PCBs)	0.1kg	Below Reporting Threshold
Air	Particulate matter - total	10000kg	Below Reporting Threshold
Air	Benzo(b)fluoranthene	1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	1e-5kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold

ID: H, Location: 342m SE, Permit: BJ6178IX
 Operator: Suez Recycling And Recovery Kirklees Ltd
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: Kirklees Waste Services Vine Street Hillhouse Kirklees HD1 6BZ
 Sector: EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	138075552kg

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

4.20 Pollution inventory waste transfers

Records within 500m

1

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.

Features are displayed on the Current industrial land use map on **page 46**

ID: H, Location: 342m SE, Permit: BJ6178IX
 Operator: Suez Recycling And Recovery Kirklees Ltd
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: Kirklees Waste Services Vine Street Hillhouse Kirklees HD1 6BZ
 Sector: EfW, Sub-sector: EfW
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	2224	Absolute Value	19 01 02	ferrous materials removed from bottom ash	No
R5	Recycling/reclamation of other inorganic materials	3905.18	Absolute Value	19 01 07	solid wastes from gas treatment	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D1	Deposit into or onto land (eg landfill, etc.)	807.78	Absolute Value	19 01 07	solid wastes from gas treatment	Yes
R5	Recycling/reclamation of other inorganic materials	25074	Absolute Value	19 01 12	bottom ash and slag other than those mentioned in 19 01 11	No
D1	Deposit into or onto land (eg landfill, etc.)	4619.04	Absolute Value	20 03 07	bulky waste	No

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

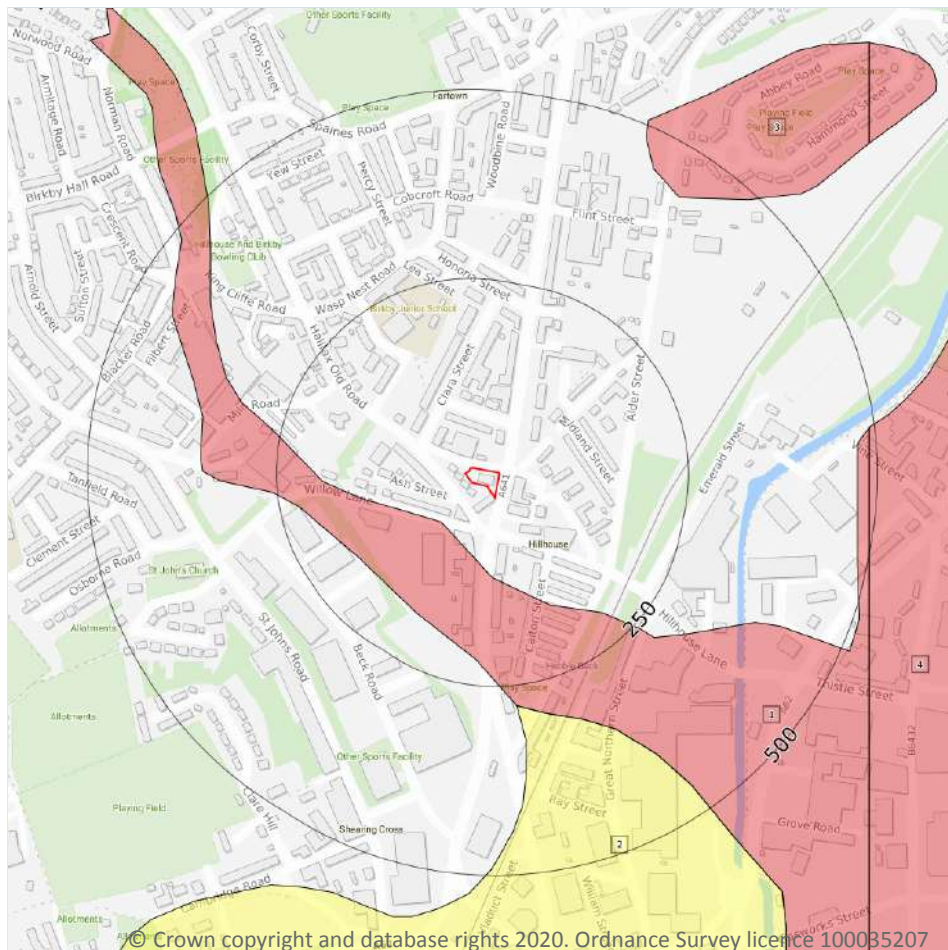
4.21 Pollution inventory radioactive waste

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

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

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

5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 66**

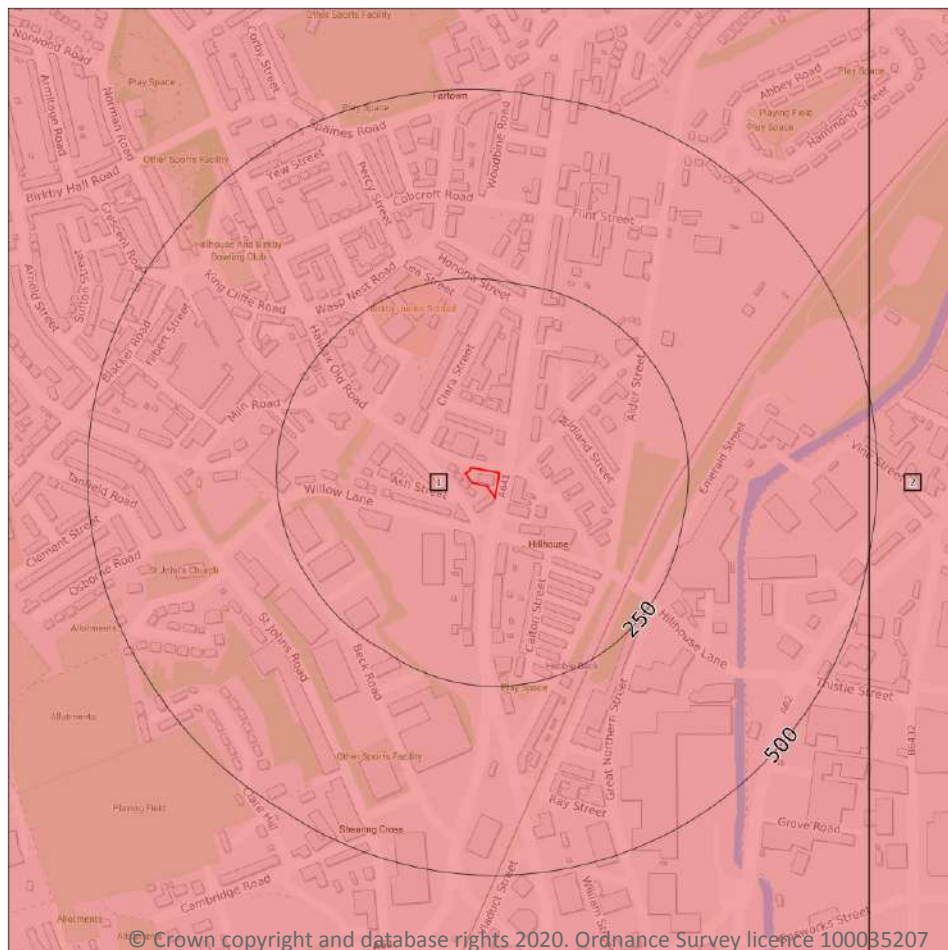
ID	Location	Designation	Description
1	66m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	277m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

ID	Location	Designation	Description
3	436m NE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	489m 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.



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.

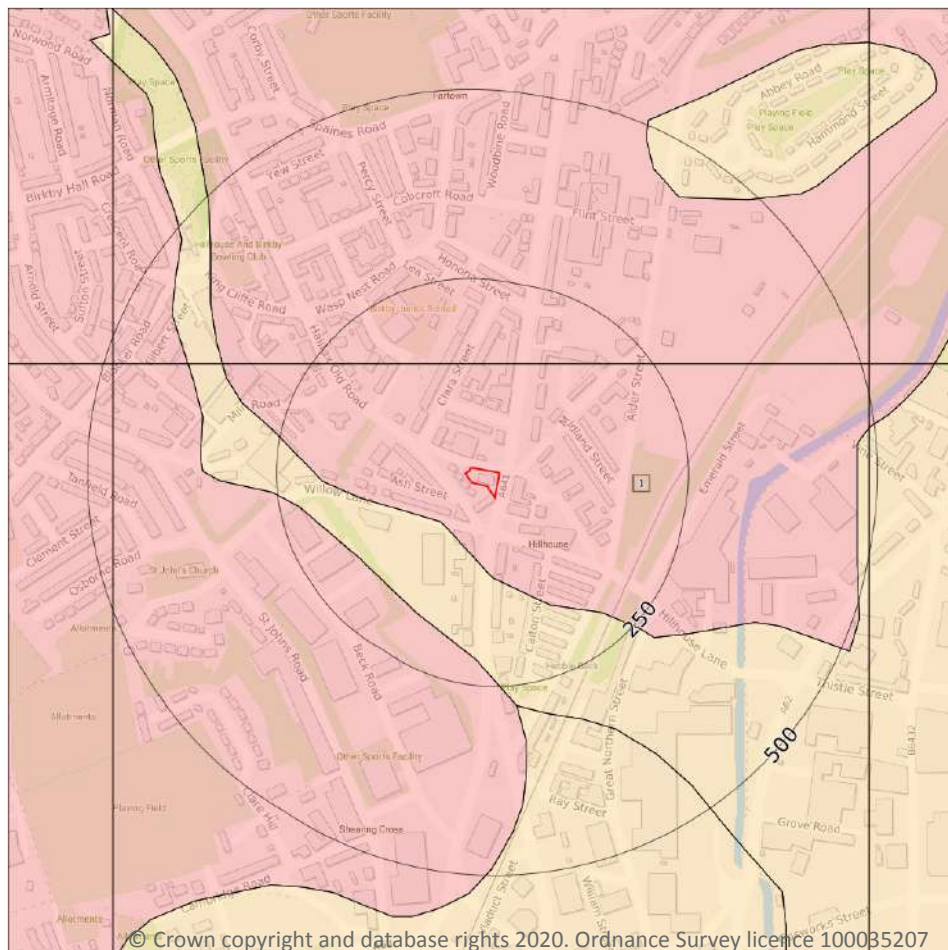
Features are displayed on the Bedrock aquifer map on **page 68**

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	489m 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

1

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

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

Features are displayed on the Groundwater vulnerability map on **page 70**

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: 300- 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.

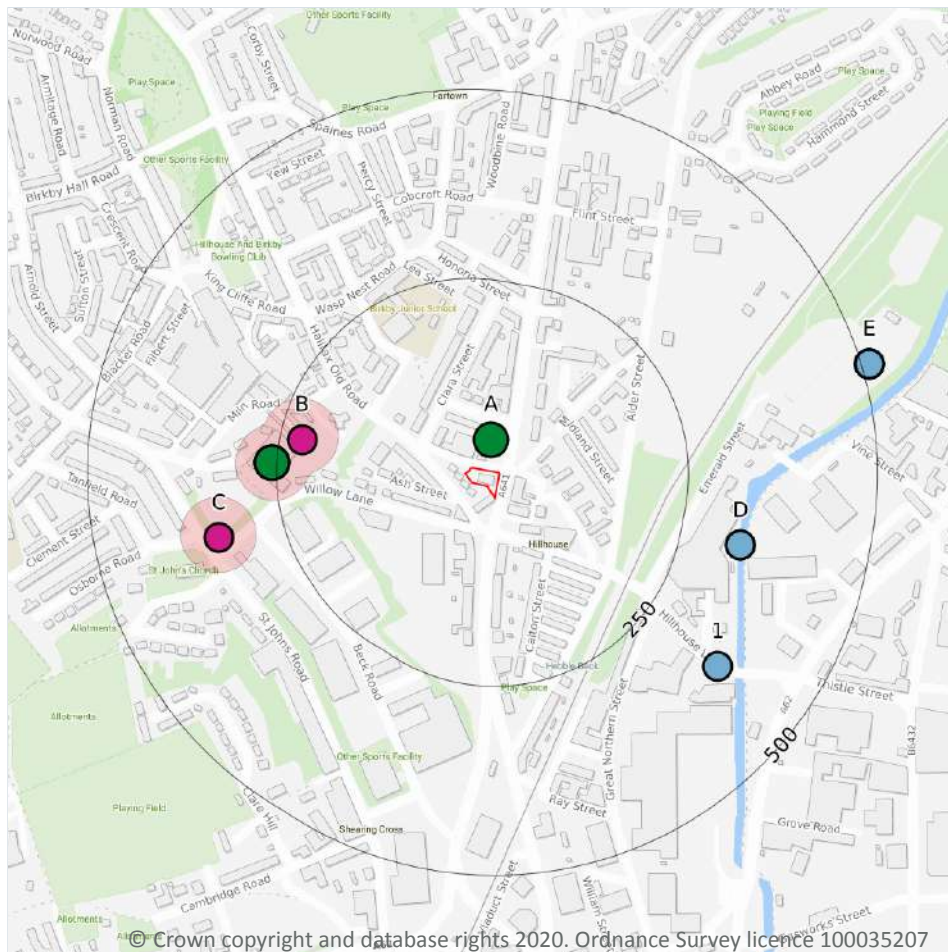
5.5 Groundwater vulnerability- local information

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
Point features
- 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

23

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 72**

ID	Location	Details	
A	41m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
A	41m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
B	220m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414250 Northing: 417900	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
B	256m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414210 Northing: 417870	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
B	256m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BRITVIC SOFT DRINKS LTD Easting: 414210 Northing: 417870	Annual Volume (m ³): 360000 Max Daily Volume (m ³): 1200 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/11/2004 Version End Date: -



ID	Location	Details	
B	256m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT- HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414210 Northing: 417870	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
C	337m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414140 Northing: 417770	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
E	510m E	Status: Historical Licence No: 2/27/11/171 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: HUDDERSFIELD DYEING CO LTD Easting: 415000 Northing: 418000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/05/1990 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1990 Version End Date: -
E	510m E	Status: Active Licence No: 2/27/11/171 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: HUDDERSFIELD DYEING CO LTD Easting: 415000 Northing: 418000	Annual Volume (m ³): 136,410 Max Daily Volume (m ³): 637.07 Original Application No: - Original Start Date: 24/05/1990 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1990 Version End Date: -
-	787m S	Status: Historical Licence No: 2/27/11/193 Details: Non-Evaporative Cooling Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: KIRKLEES METROPOLITAN COUNCIL Easting: 414580 Northing: 417040	Annual Volume (m ³): 2400 Max Daily Volume (m ³): 85 Original Application No: - Original Start Date: 18/05/2007 Expiry Date: 31/03/2015 Issue No: 2 Version Start Date: 01/04/2008 Version End Date: -



ID	Location	Details	
-	790m S	Status: Active Licence No: 2/27/11/193/R01 Details: Heat Pump Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: Kirklees Council Easting: 414584 Northing: 417037	Annual Volume (m ³): 32,000 Max Daily Volume (m ³): 357 Original Application No: - Original Start Date: 17/04/2015 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 02/10/2017 Version End Date: -
-	796m SE	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE X4 - CARBONIFEROUS MILLSTONE GRIT Data Type: Poly4 Name: ZENECA FINE CHEMICAL MANUFACTURING ORGANISATION Easting: 416690 Northing: 418150	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1966 Version End Date: -
-	796m SE	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 4 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 415180 Northing: 417400	Annual Volume (m ³): 881,941 Max Daily Volume (m ³): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -
-	796m SE	Status: Historical Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 4 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 415180 Northing: 417400	Annual Volume (m ³): 881,941 Max Daily Volume (m ³): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -

ID	Location	Details	
-	876m SE	Status: Historical Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 3 - MILLSTONE GRIT Data Type: Point Name: SYNGENTA LTD Easting: 415200 Northing: 417290	Annual Volume (m ³): 881,941 Max Daily Volume (m ³): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -
-	876m SE	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 3 - MILLSTONE GRIT Data Type: Point Name: SYNGENTA LTD Easting: 415200 Northing: 417290	Annual Volume (m ³): 881,941 Max Daily Volume (m ³): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -
-	1826m S	Status: Historical Licence No: 2/27/11/176 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: SKA TEXTILES LTD Easting: 414600 Northing: 416000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/08/1995 Expiry Date: - Issue No: 101 Version Start Date: 08/02/2001 Version End Date: -
-	1826m S	Status: Historical Licence No: 2/27/11/176 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: SKA TEXTILES LTD Easting: 414600 Northing: 416000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/08/1995 Expiry Date: - Issue No: 101 Version Start Date: 08/02/2001 Version End Date: -

ID	Location	Details	
-	1826m S	Status: Historical Licence No: 2/27/11/176 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: SKA TEXTILES LTD Easting: 414400 Northing: 416000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/08/1995 Expiry Date: - Issue No: 101 Version Start Date: 08/02/2001 Version End Date: -
-	1841m S	Status: Historical Licence No: 2/27/11/190 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: SKA TEXTILES LTD Easting: 413830 Northing: 416110	Annual Volume (m ³): 465000 Max Daily Volume (m ³): 1272 Original Application No: - Original Start Date: 04/02/2005 Expiry Date: 31/12/2010 Issue No: 2 Version Start Date: 18/04/2006 Version End Date: -
-	1890m E	Status: Active Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 2 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 416370 Northing: 418200	Annual Volume (m ³): 881,941 Max Daily Volume (m ³): 1,091.06 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/06/2017 Version End Date: -
-	1890m E	Status: Active Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 2 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 416370 Northing: 418200	Annual Volume (m ³): 881,941 Max Daily Volume (m ³): 1,091.06 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/06/2017 Version End Date: -

ID	Location	Details	
-	1923m S	Status: Historical Licence No: NE/027/0011/006 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: SKA TEXTILES LTD Easting: 413794 Northing: 416036	Annual Volume (m ³): 200000 Max Daily Volume (m ³): 1272 Original Application No: - Original Start Date: 06/01/2011 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 06/01/2011 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	16
-----------------------------	-----------

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 72**

ID	Location	Details	
D	331m E	Status: Historical Licence No: 2/27/11/158 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD BROAD CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 414830 Northing: 417760	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/10/1972 Expiry Date: - Issue No: 102 Version Start Date: 26/10/1999 Version End Date: -
D	331m E	Status: Active Licence No: 2/27/11/158 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD BROAD CANAL - HUDERSFIELD INCINERATOR Data Type: Point Name: Canal and River Trust Easting: 414830 Northing: 417760	Annual Volume (m ³): 273,000 Max Daily Volume (m ³): 1,090 Original Application No: - Original Start Date: 27/10/1972 Expiry Date: - Issue No: 103 Version Start Date: 21/01/2008 Version End Date: -

ID	Location	Details	
1	370m SE	Status: Historical Licence No: 2/27/11/182 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD BROAD CANAL Data Type: Point Name: BRITISH WATERWAYS Easting: 414800 Northing: 417600	Annual Volume (m ³): 170000 Max Daily Volume (m ³): 750 Original Application No: - Original Start Date: 10/07/1998 Expiry Date: 31/12/2006 Issue No: 100 Version Start Date: 10/07/1998 Version End Date: -
E	510m E	Status: Historical Licence No: 2/27/11/131 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: BRITISH WATERWAYS Easting: 415000 Northing: 418000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1993 Version End Date: -
E	510m E	Status: Historical Licence No: 2/27/11/131 Details: General use relating to Secondary Category (Very Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: BRITISH WATERWAYS Easting: 415000 Northing: 418000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1993 Version End Date: -
E	510m E	Status: Active Licence No: 2/27/11/131 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: Canal and River Trust Easting: 415000 Northing: 418000	Annual Volume (m ³): 400,000 Max Daily Volume (m ³): 1,800 Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 101 Version Start Date: 21/01/2008 Version End Date: -

ID	Location	Details	
E	510m E	Status: Active Licence No: 2/27/11/131 Details: Process Water Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: Canal and River Trust Easting: 415000 Northing: 418000	Annual Volume (m ³): 400,000 Max Daily Volume (m ³): 1,800 Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 101 Version Start Date: 21/01/2008 Version End Date: -
-	1453m S	Status: Historical Licence No: 2/27/11/160 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 414800 Northing: 416400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 17/11/1993 Version End Date: -
-	1508m S	Status: Active Licence No: 2/27/11/160 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: Canal and River Trust Easting: 414870 Northing: 416360	Annual Volume (m ³): 700,000 Max Daily Volume (m ³): 3,600 Original Application No: - Original Start Date: 01/03/1974 Expiry Date: - Issue No: 102 Version Start Date: 21/01/2008 Version End Date: -
-	1591m S	Status: Active Licence No: 2/27/11/175 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD NARROW CANAL Data Type: Line Name: Canal and River Trust Easting: 414690 Northing: 416080	Annual Volume (m ³): 1,250,000 Max Daily Volume (m ³): 3,960 Original Application No: - Original Start Date: 22/09/1994 Expiry Date: - Issue No: 103 Version Start Date: 21/01/2008 Version End Date: -

ID	Location	Details	
-	1702m S	Status: Historical Licence No: 2/27/11/175 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD NARROW CANAL Data Type: Line Name: BRITISH WATERWAYS BOARD Easting: 414650 Northing: 416010	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/09/1994 Expiry Date: - Issue No: 101 Version Start Date: 10/03/2003 Version End Date: -
-	1766m S	Status: Active Licence No: NE/027/0011/011 Details: Non-Evaporative Cooling Direct Source: SURFACE WATER Point: HUDDERSFIELD NARROW CANAL Data Type: Point Name: Canal and River Trust Easting: 414179 Northing: 416087	Annual Volume (m ³): 1,684,800 Max Daily Volume (m ³): 7,560 Original Application No: - Original Start Date: 24/04/2012 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 24/04/2012 Version End Date: -
-	1819m S	Status: Historical Licence No: 2/27/11/175 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD NARROW CANAL Data Type: Line Name: BRITISH WATERWAYS BOARD Easting: 414650 Northing: 416010	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/09/1994 Expiry Date: - Issue No: 100 Version Start Date: 22/09/1994 Version End Date: -
-	1877m E	Status: Historical Licence No: 2/27/11/059 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Poly3 Name: ZENCA FINE CHEMICAL MANUFACTURING ORGANISATION Easting: 416660 Northing: 418270	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/04/1985 Version End Date: -



ID	Location	Details	
-	1877m E	Status: Active Licence No: 2/27/11/059 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE AND TRIBUTARIES - POINT 5 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416330 Northing: 418320	Annual Volume (m ³): 24,600,000 Max Daily Volume (m ³): 67,200 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	1877m E	Status: Active Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE AND TRIBUTARIES - POINT 5 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416330 Northing: 418320	Annual Volume (m ³): 24,600,000 Max Daily Volume (m ³): 67,200 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

7

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 72**

ID	Location	Details	
A	41m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -

ID	Location	Details	
A	41m N	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
B	220m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414250 Northing: 417900	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
B	256m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414210 Northing: 417870	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
B	256m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BRITVIC SOFT DRINKS LTD Easting: 414210 Northing: 417870	Annual Volume (m ³): 360000 Max Daily Volume (m ³): 1200 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/11/2004 Version End Date: -
B	256m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT- HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414210 Northing: 417870	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -



ID	Location	Details	
C	337m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414140 Northing: 417770	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	2
----------------------------	----------

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 72**

ID	Location	Type	Description
B	173m W	1	Inner catchment
C	287m W	1	Inner catchment

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

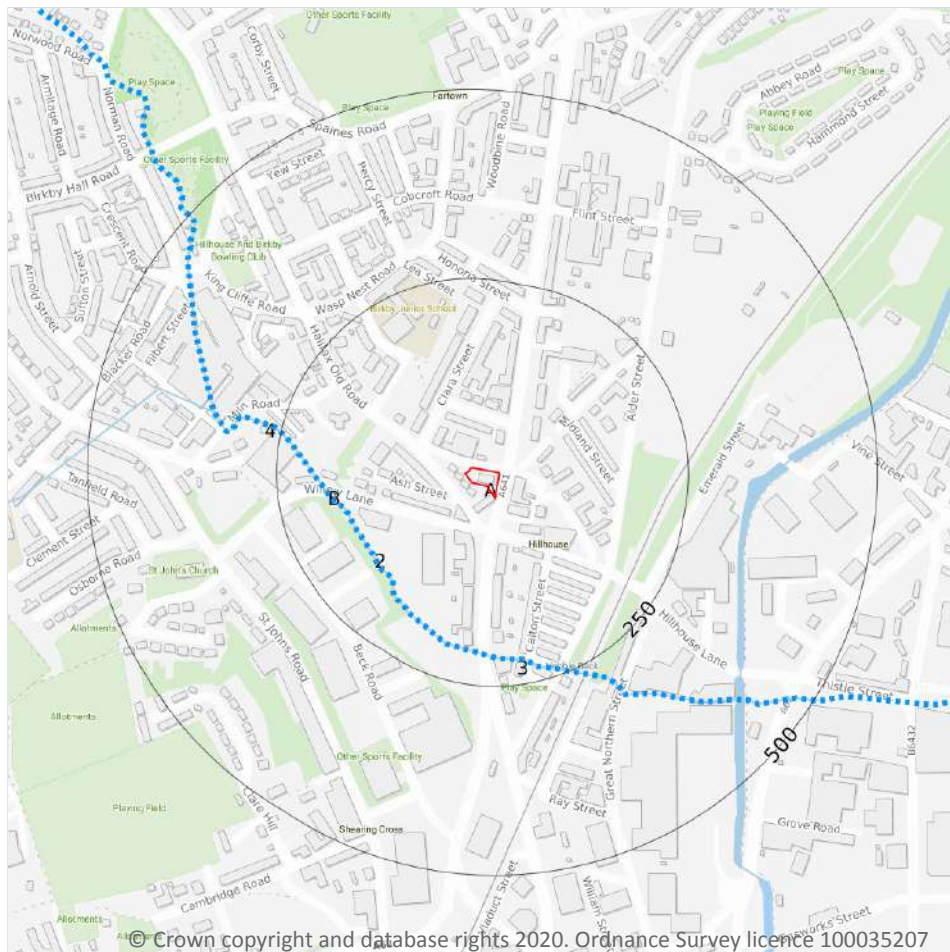
5.10 Source Protection Zones (confined aquifer)

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

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

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

6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

6

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

Features are displayed on the Hydrology map on **page 85**

ID	Location	Type of water feature	Ground level	Permanence	Name
2	161m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hebble Beck



ID	Location	Type of water feature	Ground level	Permanence	Name
B	181m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	Hebble Beck
3	190m SW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	Hebble Beck
B	191m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hebble Beck
B	206m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hebble Beck
4	226m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hebble Beck

This data is sourced from the Ordnance Survey.

6.2 Surface water features

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

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

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

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

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

Features are displayed on the Hydrology map on **page 85**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River WB catchment	Colne from River Holme to River Calder	GB104027062550	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 85**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
1	161m SW	River	Colne from River Holme to River Calder	GB104027062550	Moderate	Good	Moderate	2016

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 85**

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	2015

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 Sea (RoFRaS)

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; 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).

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

0

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

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



8 Surface water flooding

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

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

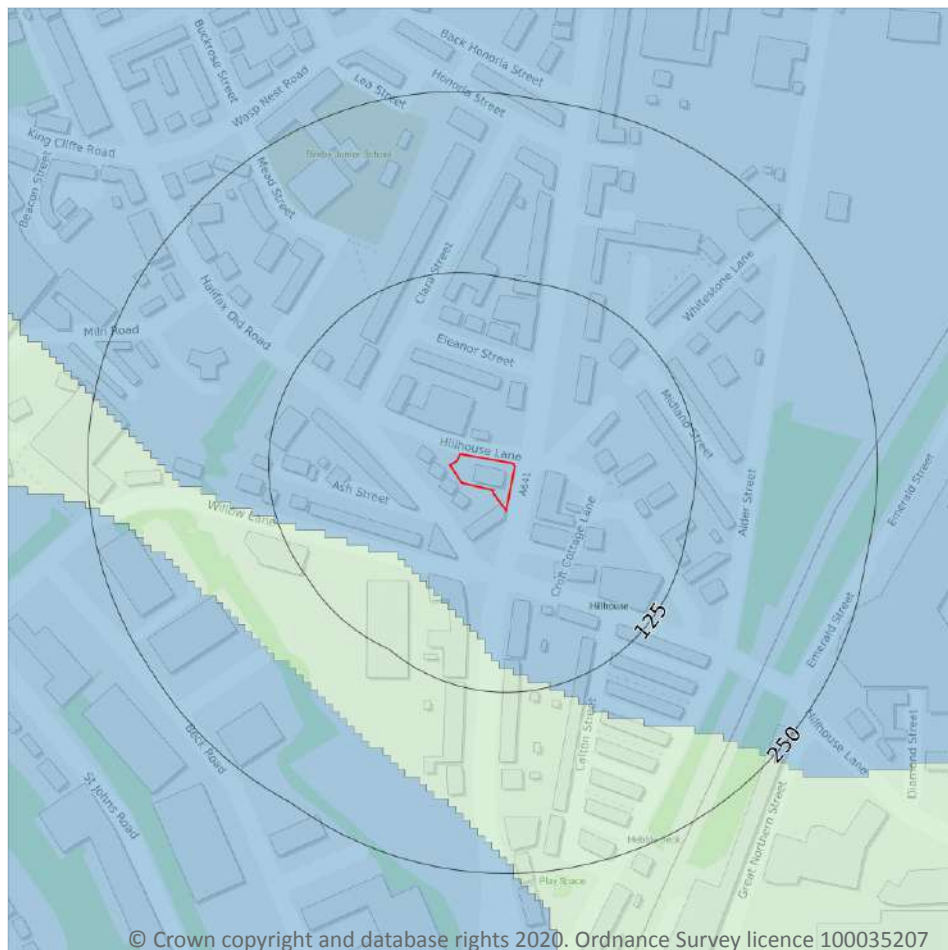
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the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

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

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

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

© Crown copyright and database rights 2020. Ordnance Survey licence 100035207

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 92**

This data is sourced from Ambienta Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)
- / Designated Ancient Woodland
- / Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on **page 93**

ID	Location	Name	Data source
4	1657m SW	Gledholt Woods	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

3

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 93**

ID	Location	Name	Woodland Type
2	1299m NW	GRIMESCAR WOOD	Ancient Replanted Woodland
-	1537m NW	GRIMESCAR WOOD	Ancient Replanted Woodland
-	1986m N	UPPER FELL GREAVE	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

1

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

Features are displayed on the Environmental designations map on **page 93**

ID	Location	Name	Local Authority name
1	945m NW	South and West Yorkshire	Kirklees

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

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

This data is sourced from Natural England.

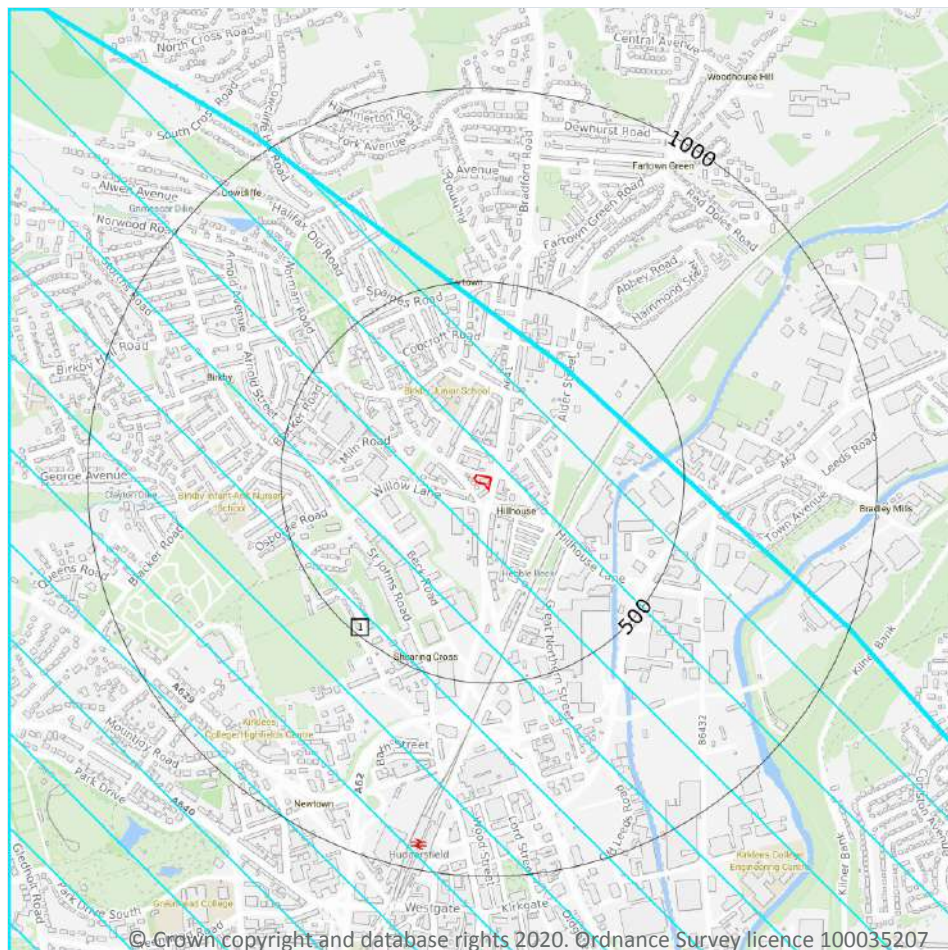
10.16 Nitrate Vulnerable Zones

Records within 2000m**0**

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

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

SSSI Impact Zones and Units



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

10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 98**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Oil & gas exploration/extraction. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons > 4000m². Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.

This data is sourced from Natural England.

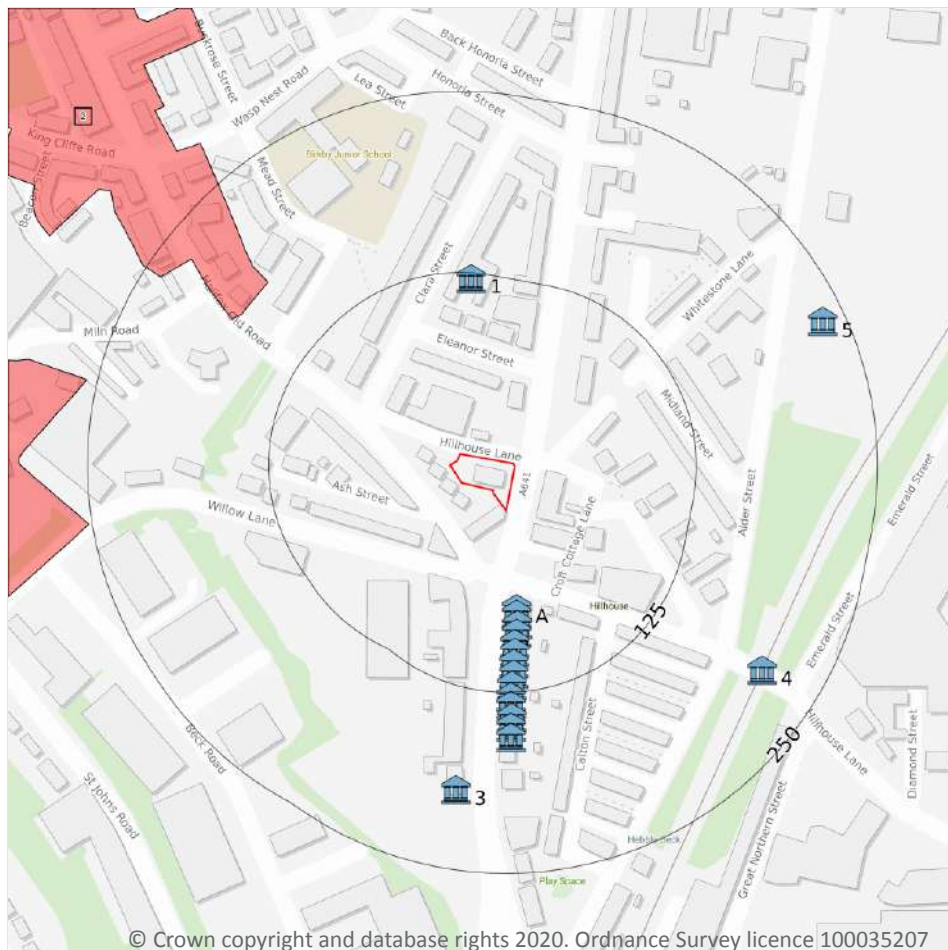
10.18 SSSI Units

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

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

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

11 Visual and cultural designations



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

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

18

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

Features are displayed on the Visual and cultural designations map on **page 100**

ID	Location	Name	Grade	Reference Number	Listed date
A	68m S	86, Bradford Road, Kirklees, HD1	II	1134359	29/09/1978
A	72m S	84, Bradford Road, Kirklees, HD1	II	1134358	29/09/1978
A	79m S	82, Bradford Road, Kirklees, HD1	II	1134357	29/09/1978
A	85m S	80, Bradford Road, Kirklees, HD1	II	1134356	29/09/1978
A	91m S	78, Bradford Road, Kirklees, HD1	II	1134399	29/09/1978
A	97m S	76, Bradford Road, Kirklees, HD1	II	1220558	29/09/1978

ID	Location	Name	Grade	Reference Number	Listed date
A	105m S	74, Bradford Road, Kirklees, HD1	II	1134398	29/09/1978
A	112m S	72, Bradford Road, Kirklees, HD1	II	1313788	29/09/1978
A	120m S	70, Bradford Road, Kirklees, HD1	II	1220552	29/09/1978
1	121m N	Church Hall Of Hillhouse United Reformed Church, Kirklees, HD1	II	1134329	29/09/1978
A	128m S	68, Bradford Road, Kirklees, HD1	II	1134397	29/09/1978
A	134m S	66, Bradford Road, Kirklees, HD1	II	1313787	29/09/1978
A	142m S	64, Bradford Road, Kirklees, HD1	II	1290917	29/09/1978
A	149m S	62, Bradford Road, Kirklees, HD1	II	1134396	29/09/1978
A	156m S	60, Bradford Road, Kirklees, HD1	II	1290950	29/09/1978
3	195m S	Hebble House Including Boundary Walls In Front Of House Gate Piers And Gate, Kirklees, HD1	II	1226234	15/04/1988
4	208m SE	Railway Bridge, Kirklees, HD1	II	1432641	29/09/1978
5	234m NE	Railway Coal Chutes And Tramway With Walls And Gates, Kirklees, HD1	II	1096083	08/04/2003

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

11.5 Conservation Areas

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on **page 100**

ID	Location	Name	District	Date of designation
2	177m NW	Birkby	Kirklees	01/11/1989

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

11.7 Registered Parks and Gardens

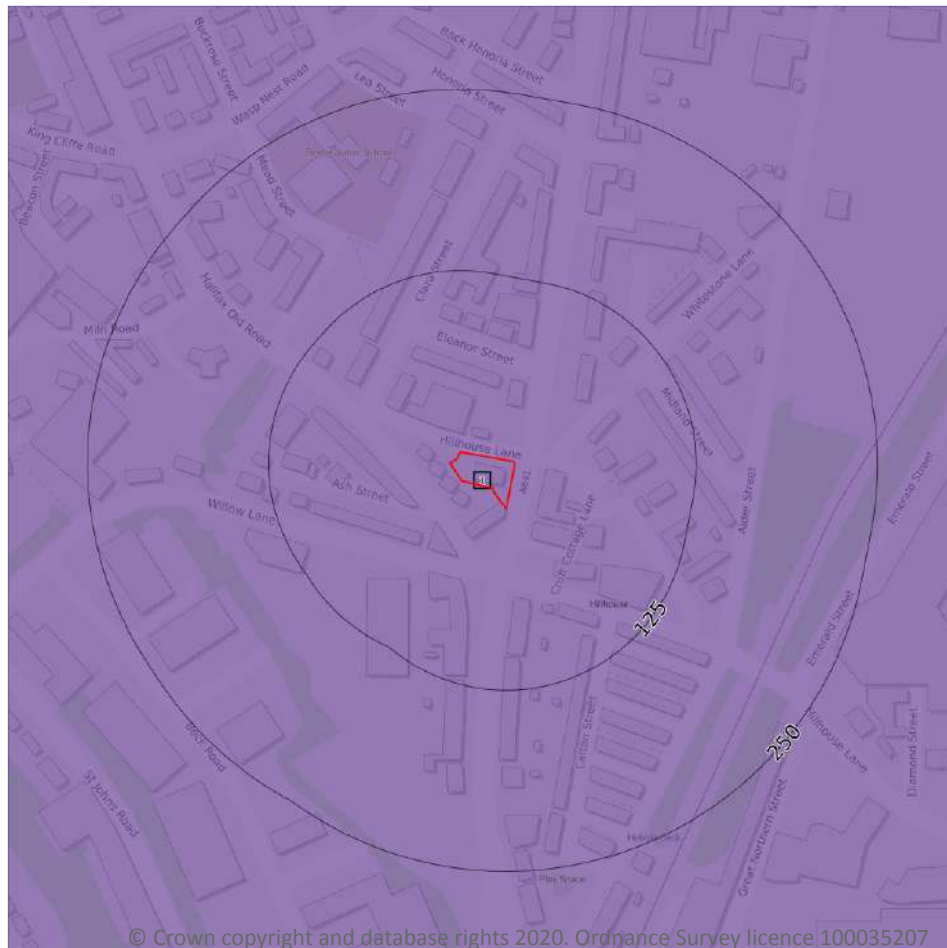
Records within 250m

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 English Heritage, 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 104**

ID	Location	Classification	Description
1	On site	Urban	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

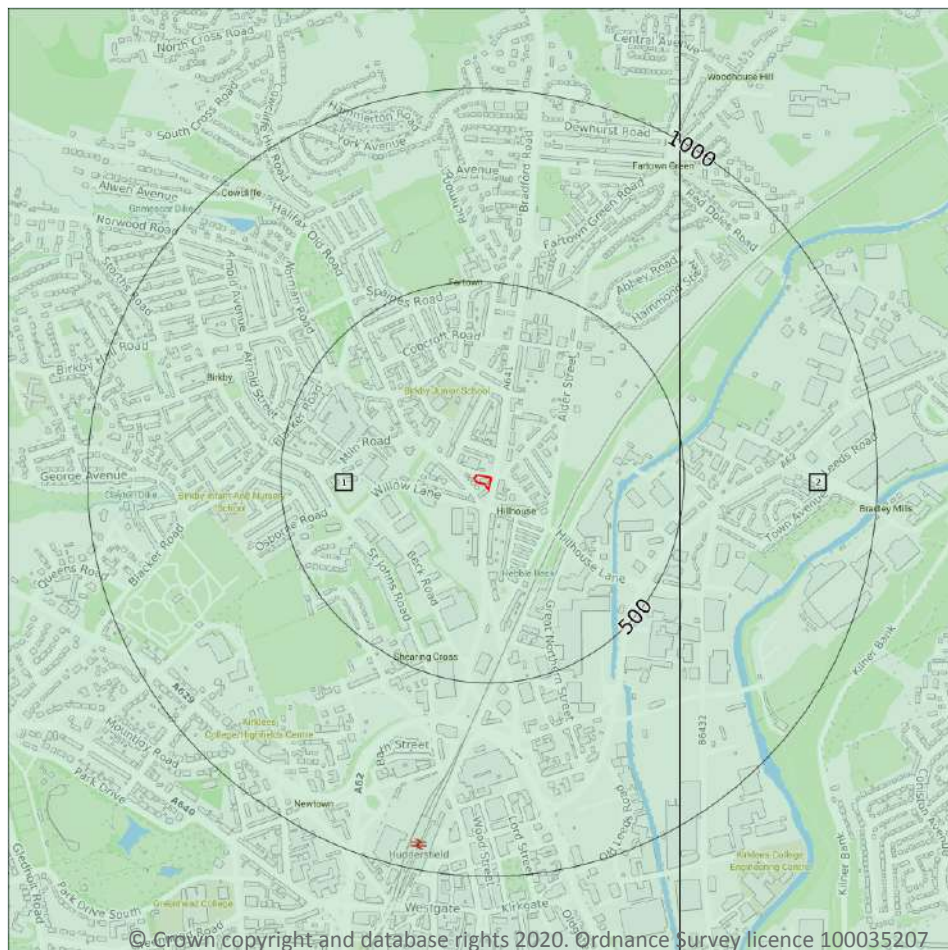
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

2

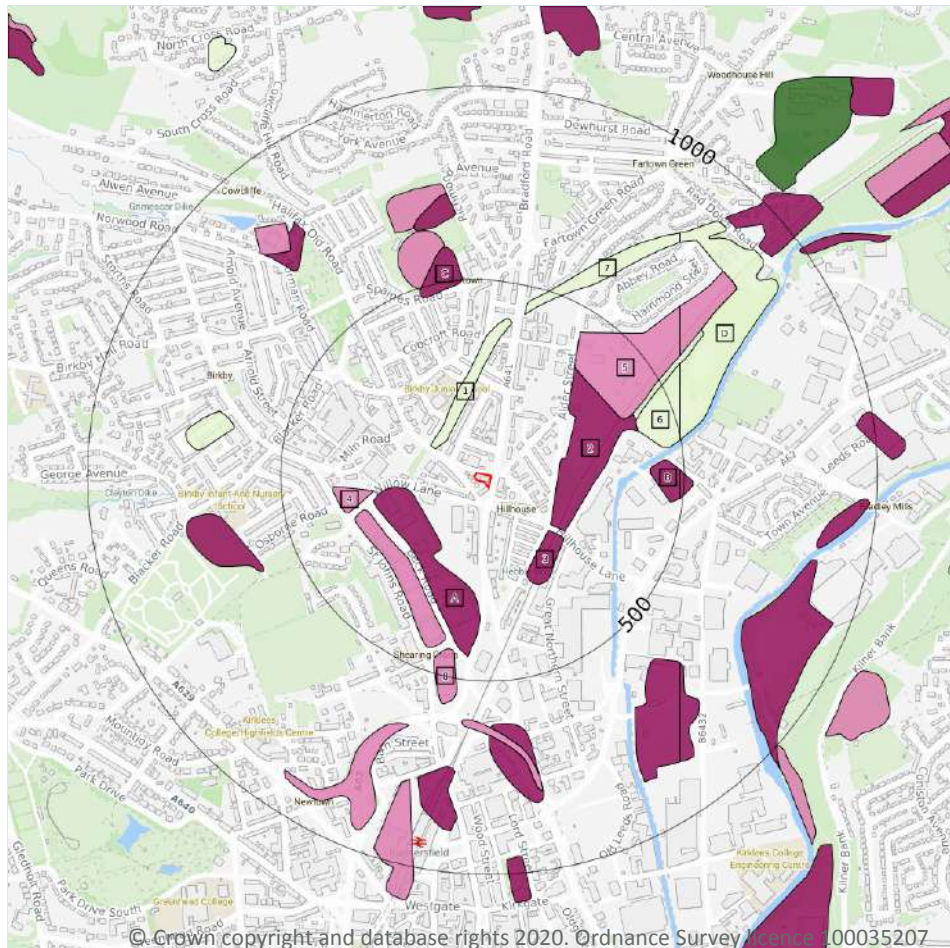
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 107**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SE11NW
2	489m E	Full	Full	Full	Full	SE11NE

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

15

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 108**

ID	Location	LEX Code	Description	Rock description
1	113m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
A	160m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	171m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	189m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

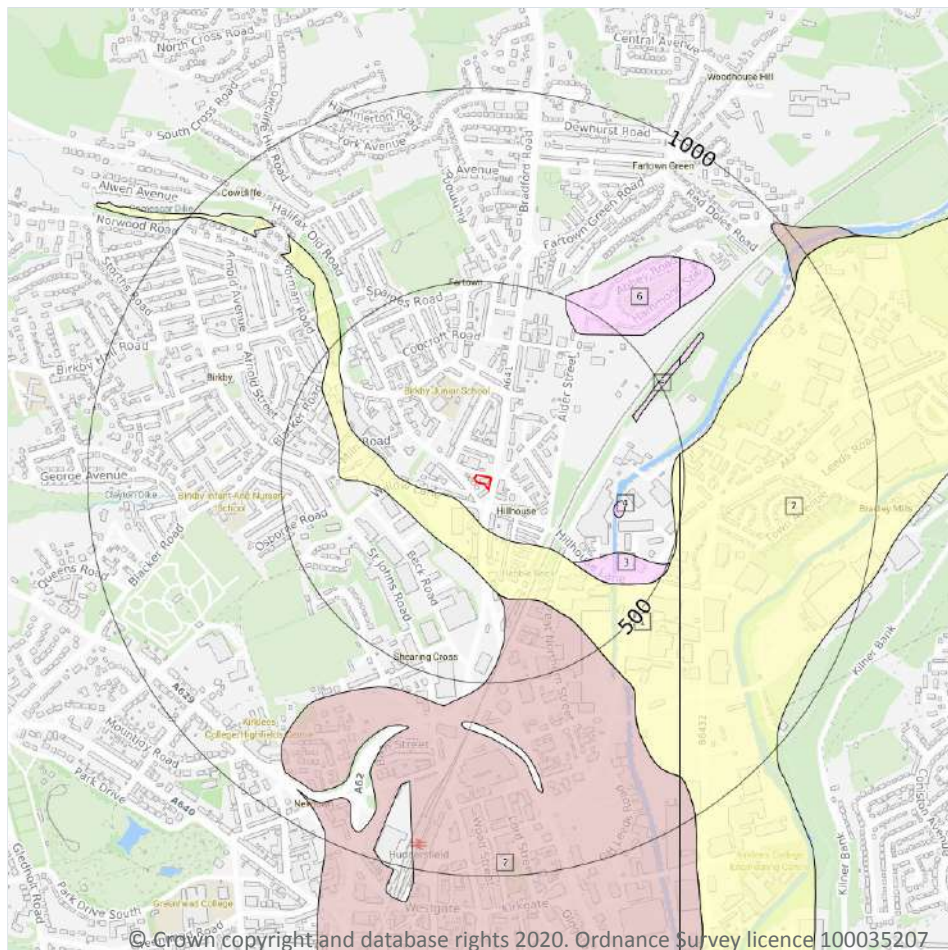


ID	Location	LEX Code	Description	Rock description
4	261m W	WGR-VOID	Worked Ground (Undivided)	Void
A	268m SW	WGR-VOID	Worked Ground (Undivided)	Void
5	348m NE	WGR-VOID	Worked Ground (Undivided)	Void
6	398m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit
B	413m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	426m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
8	429m S	WGR-VOID	Worked Ground (Undivided)	Void
C	472m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
B	489m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
C	495m N	WGR-VOID	Worked Ground (Undivided)	Void
D	498m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

▨ Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m

7

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 110**

ID	Location	LEX Code	Description	Rock description
1	66m SW	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel
2	270m S	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	286m SE	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene - Sand And Gravel	Sand And Gravel



ID	Location	LEX Code	Description	Rock description
4	327m E	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene - Sand And Gravel	Sand And Gravel
5	400m NE	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene - Sand And Gravel	Sand And Gravel
6	437m NE	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene - Sand And Gravel	Sand And Gravel
7	489m E	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— 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

12

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 112**

ID	Location	LEX Code	Description	Rock age
1	On site	MBR-SDST	Middle Band Rock - Sandstone	Langsettian Sub-age
2	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
4	29m S	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

ID	Location	LEX Code	Description	Rock age
5	65m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
7	66m SW	SBF-SDST	Soft Bed Flags - Sandstone	Langsettian Sub-age
9	81m W	MBR-SDST	Middle Band Rock - Sandstone	Langsettian Sub-age
10	131m SE	MBR-SDST	Middle Band Rock - Sandstone	Langsettian Sub-age
11	150m NW	MBR-SDST	Middle Band Rock - Sandstone	Langsettian Sub-age
16	301m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
18	361m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
20	477m SW	MBR-SDST	Middle Band Rock - Sandstone	Langsettian Sub-age
21	489m E	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

9

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 112**

ID	Location	Category	Description
3	On site	FAULT	Normal fault, inferred; crossmarks on downthrow side
6	65m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
8	66m SW	ROCK	Coal seam, inferred
12	161m E	ROCK	Coal seam, inferred
13	171m E	FOSSIL_HORIZON	Fossil horizon, marine band
14	175m NW	ROCK	Coal seam, inferred
15	301m SE	ROCK	Coal seam, inferred
17	361m SW	ROCK	Coal seam, inferred

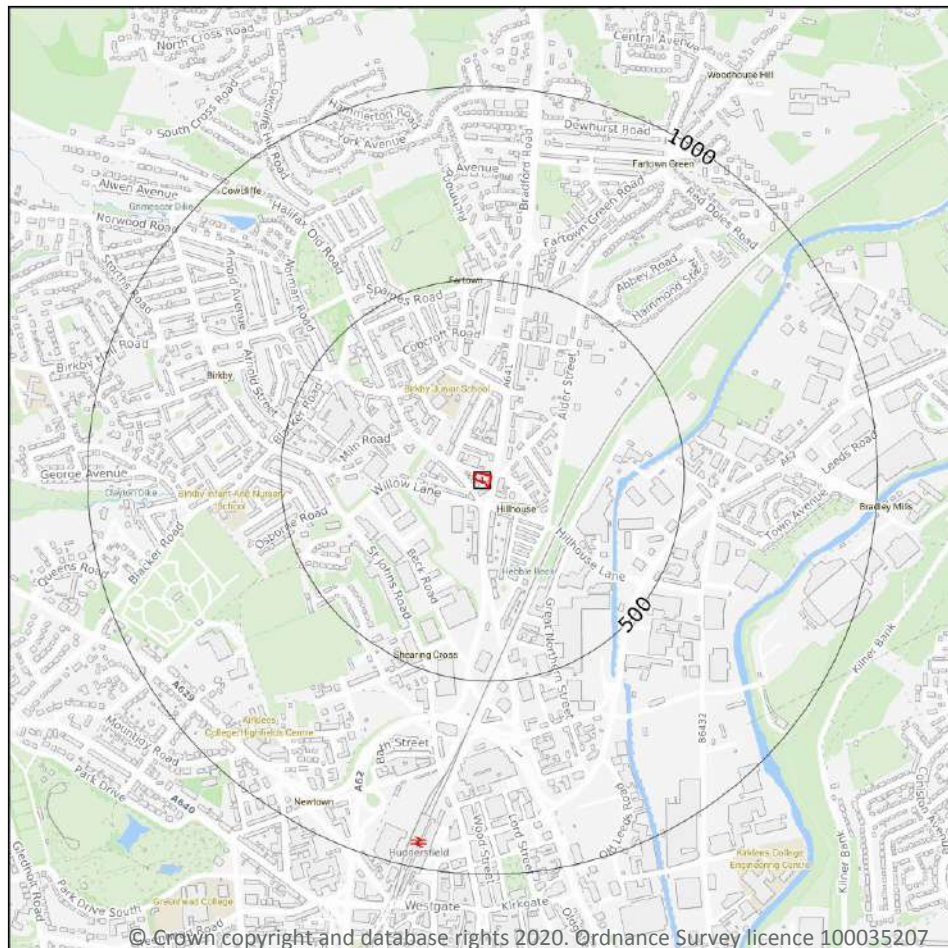


ID	Location	Category	Description
19	438m N	ROCK	Coal seam, observed

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.

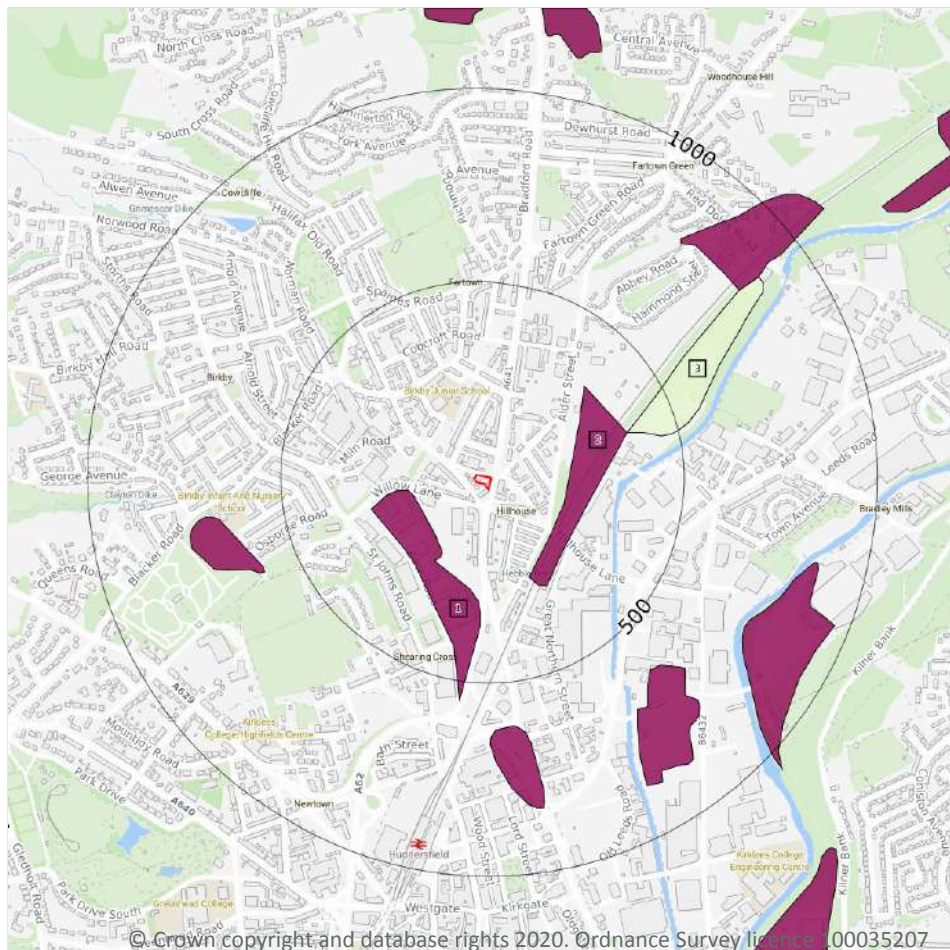
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 115**

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

This data is sourced from the British Geological Survey.



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



- Site Outline
- Search buffers in metres (m)
- Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

3

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 116**

ID	Location	LEX Code	Description	Rock description
1	158m SW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	193m SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	371m E	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.



15.3 Artificial ground permeability (50k)

Records within 50m

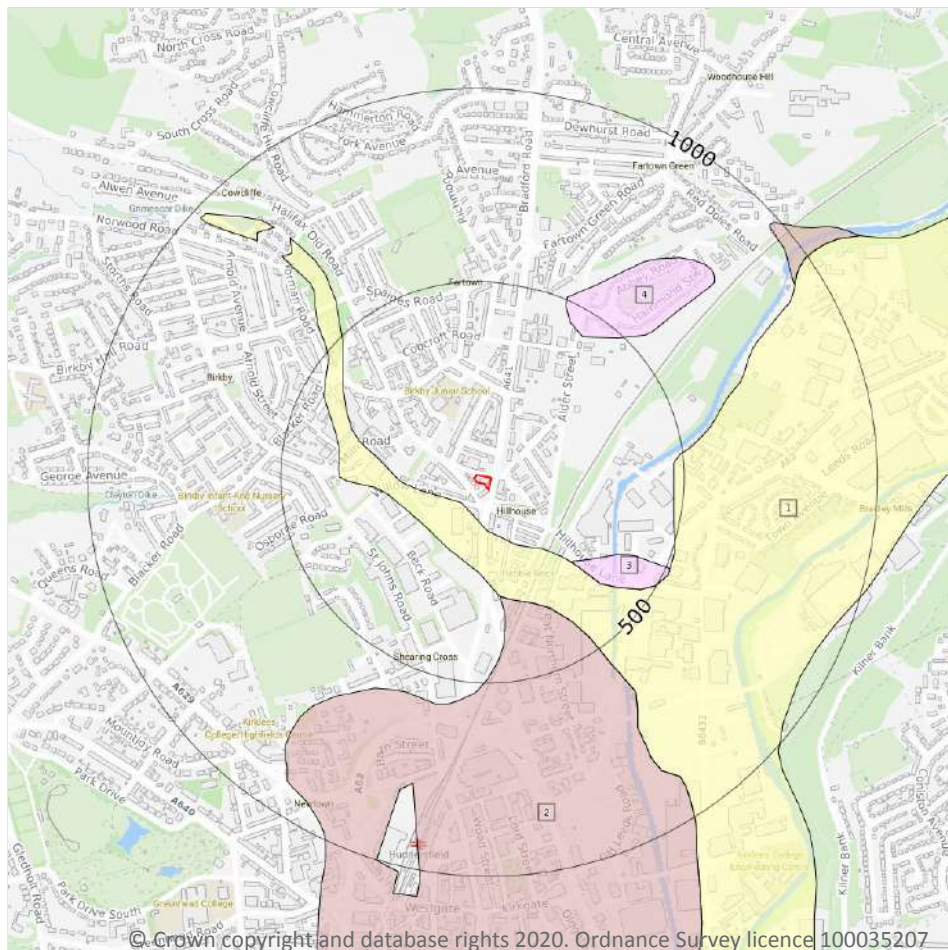
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landlip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

4

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 118**

ID	Location	LEX Code	Description	Rock description
1	66m SW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	277m S	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
3	281m SE	GFDMP-XSV	GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE	SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
4	436m NE	GFDMP-XSV	GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

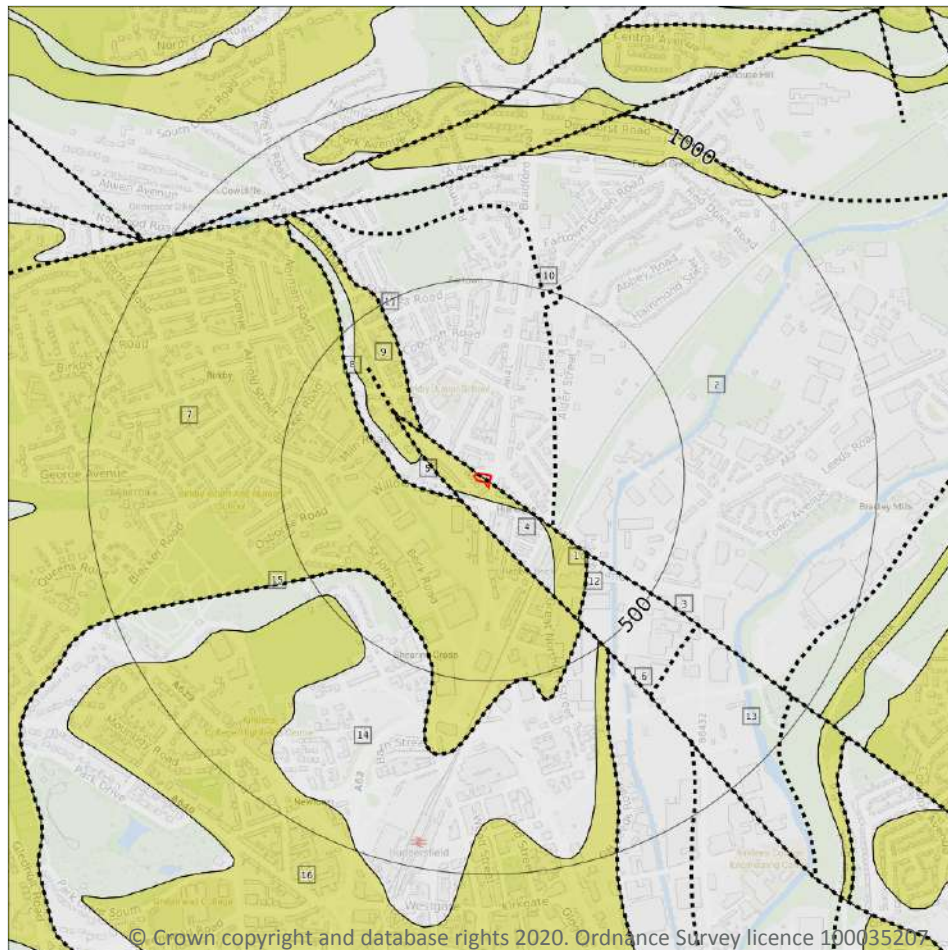
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

9

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 120**

ID	Location	LEX Code	Description	Rock age
1	On site	MBR-SDST	MIDDLE BAND ROCK - SANDSTONE	WESTPHALIAN
2	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
4	31m S	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
5	64m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
7	66m SW	SBF-SDST	SOFT BED FLAGS - SANDSTONE	WESTPHALIAN
9	145m W	MBR-SDST	MIDDLE BAND ROCK - SANDSTONE	WESTPHALIAN
13	306m SE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
14	360m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
16	478m SW	MBR-SDST	MIDDLE BAND ROCK - SANDSTONE	WESTPHALIAN

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	High	Moderate
On site	Fracture	High	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	7
----------------------------	----------

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 120**

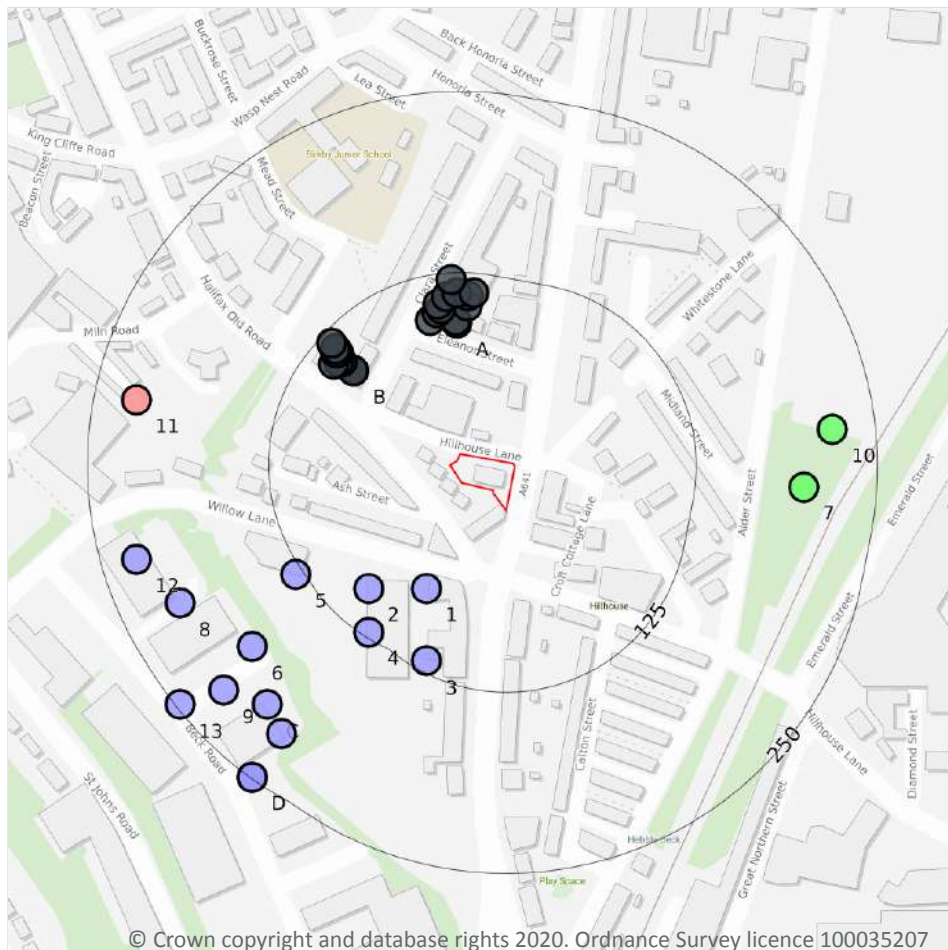
ID	Location	Category	Description
3	On site	FAULT	Fault, inferred
6	64m SW	FAULT	Fault, inferred
8	66m SW	ROCK	Coal seam, inferred

ID	Location	Category	Description
10	166m E	ROCK	Coal seam, inferred
11	172m NW	ROCK	Coal seam, inferred
12	306m SE	ROCK	Coal seam, inferred
15	360m SW	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

45

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 123**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	77m S	414450 417770	RINGWAY INDUSTRIAL ESTATE HUDDERSFIELD 3	6.0	N	13100896
A	90m N	414471 417953	ELEANOR STREET/CLARA STREET HUDDERSFIELD 4	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
A	92m N	414470 417955	ELEANOR STREET/CLARA STREET HUDDERSFIELD TP 4	-	Y	N/A
B	93m NW	414400 417920	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD TP 5	-	Y	N/A
B	93m NW	414400 417920	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD 5	-	Y	N/A
B	93m NW	414400 417920	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD TP 3	-	Y	N/A
B	93m NW	414400 417920	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD 1	-	Y	N/A
B	93m NW	414400 417920	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD 2	-	Y	N/A
B	93m NW	414400 417920	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD TP 1	-	Y	N/A
B	93m NW	414400 417920	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD TP 2	-	Y	N/A
B	93m NW	414400 417920	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD TP 4	-	Y	N/A
A	94m N	414453 417955	ELEANOR STREET/CLARA STREET HUDDERSFIELD 7	-	Y	N/A
2	97m SW	414410 417770	RINGWAY INDUSTRIAL ESTATE HUDDERSFIELD 2	5.0	N	13100891
A	99m N	414457 417960	ELEANOR STREET/CLARA STREET HUDDERSFIELD TP 1	-	Y	N/A
A	101m N	414460 417963	ELEANOR STREET/CLARA STREET HUDDERSFIELD TP 5	-	Y	N/A
A	102m N	414478 417965	ELEANOR STREET/CLARA STREET HUDDERSFIELD 5	-	Y	N/A
B	103m NW	414392 417926	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD 6	-	Y	N/A
A	104m N	414458 417966	ELEANOR STREET/CLARA STREET HUDDERSFIELD 2	-	Y	N/A
B	105m NW	414389 417926	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD 4	-	Y	N/A
B	107m NW	414386 417925	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD 3	-	Y	N/A
A	109m N	414464 417971	ELEANOR STREET/CLARA STREET HUDDERSFIELD TP 2	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
A	109m N	414479 417972	ELEANOR STREET/CLARA STREET HUDDERSFIELD TP 3	-	Y	N/A
B	110m NW	414389 417933	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD 9	-	Y	N/A
A	111m N	414471 417974	ELEANOR STREET/CLARA STREET HUDDERSFIELD 3	-	Y	N/A
B	111m NW	414387 417933	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD 7	-	Y	N/A
A	112m N	414483 417974	ELEANOR STREET/CLARA STREET HUDDERSFIELD 6	-	Y	N/A
B	113m NW	414387 417935	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD 11	-	Y	N/A
B	113m NW	414387 417935	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD 10	-	Y	N/A
B	117m NW	414385 417939	HALIFAX OLD ROAD CLARA STREET HUDDERSFIELD 8	-	Y	N/A
3	117m SW	414450 417720	RINGWAY INDUSTRIAL ESTATE HUDDERSFIELD 4	6.0	N	13100901
A	120m N	414467 417983	ELEANOR STREET/CLARA STREET HUDDERSFIELD 1	-	Y	N/A
4	121m SW	414410 417740	RINGWAY INDUSTRIAL ESTATE HUDDERSFIELD 5	6.0	N	13100907
5	130m SW	414360 417780	RINGWAY INDUSTRIAL ESTATE HUDDERSFIELD 1	6.0	N	13100883
6	183m SW	414330 417730	HUDDERSFIELD RINGWAY 1	8.0	N	41212
7	200m E	414710 417840	ALDER ST.HUDDERSFIELD 12&12A	15.45	N	41254
C	204m SW	414340 417690	RINGWAY INDUSTRIAL ESTATE HUDDERSFIELD TP 8	2.0	N	13223738
8	209m SW	414280 417760	RINGWAY INDUSTRIAL ESTATE HUDDERSFIELD 6	9.5	N	13100910
C	213m SW	414350 417670	RINGWAY INDUSTRIAL ESTATE HUDDERSFIELD TP 9	2.0	N	13223739
9	218m SW	414310 417700	RINGWAY INDUSTRIAL ESTATE HUDDERSFIELD TP 7	2.2	N	13223737
10	221m E	414730 417880	ALDER ST.HUDDERSFIELD 11	17.0	N	41253
11	221m W	414250 417900	BENJAMIN SHAW LTD WILLOW LANE HUDDERSFIELD	68.0	N	19546345
12	226m W	414250 417790	RINGWAY INDUSTRIAL ESTATE HUDDERSFIELD 7	8.2	N	13100912

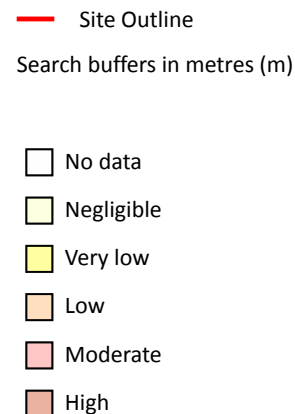
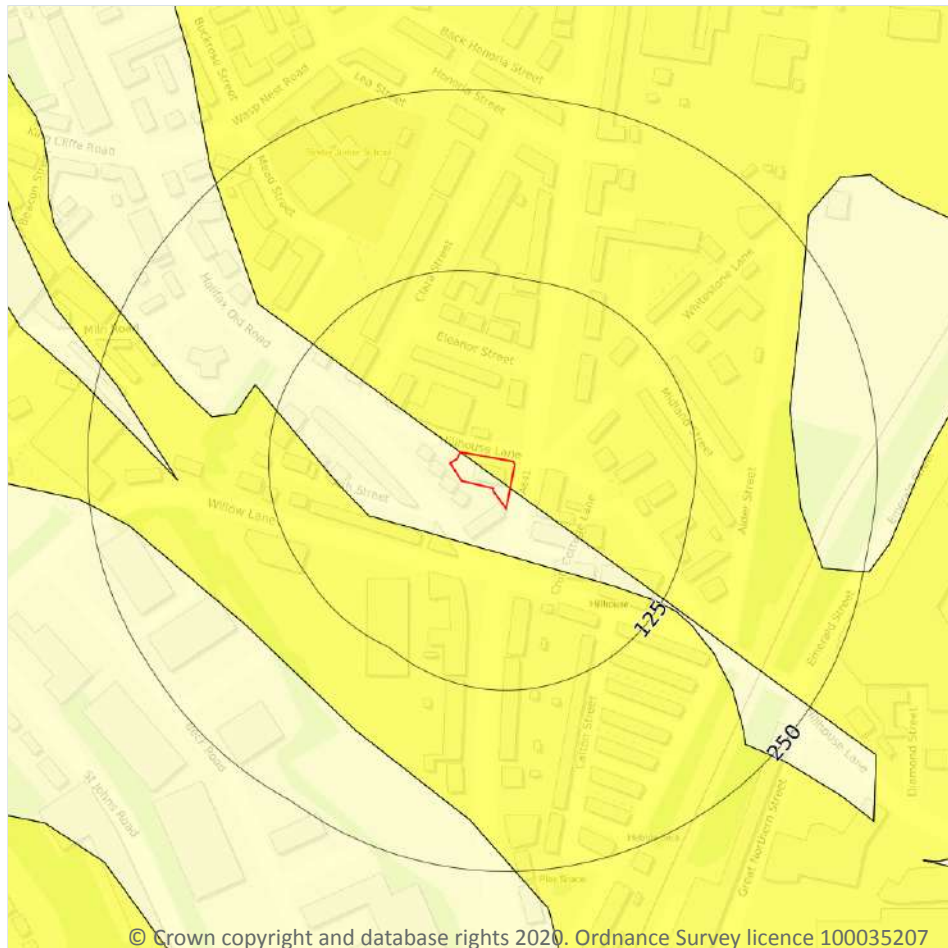


ID	Location	Grid reference	Name	Length	Confidential	Web link
13	247m SW	414280 417690	RINGWAY INDUSTRIAL ESTATE HUDDERSFIELD TP 6	2.4	N	13223736
D	249m SW	414330 417640	RINGWAY INDUSTRIAL ESTATE HUDDERSFIELD TP 5	2.4	N	13223735
D	249m SW	414330 417640	HUDDERSFIELD RINGWAY 2	9.0	N	41213

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

2

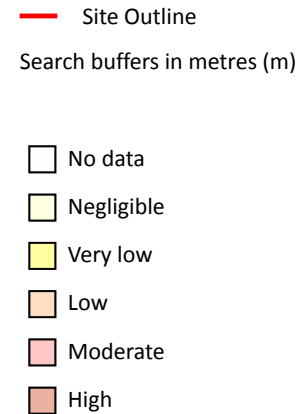
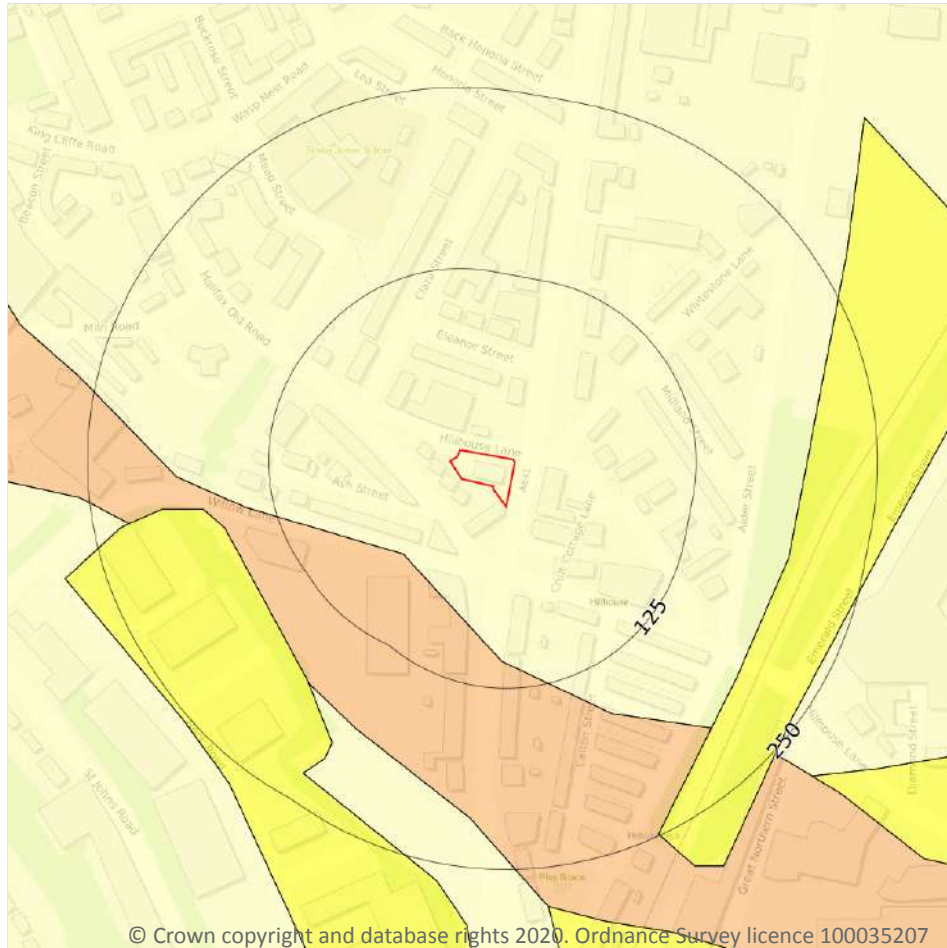
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 127**

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



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.

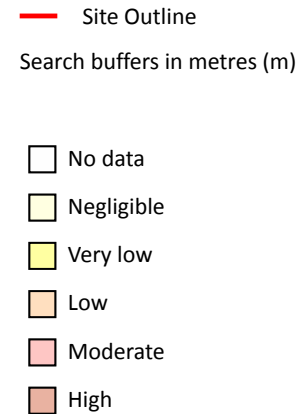
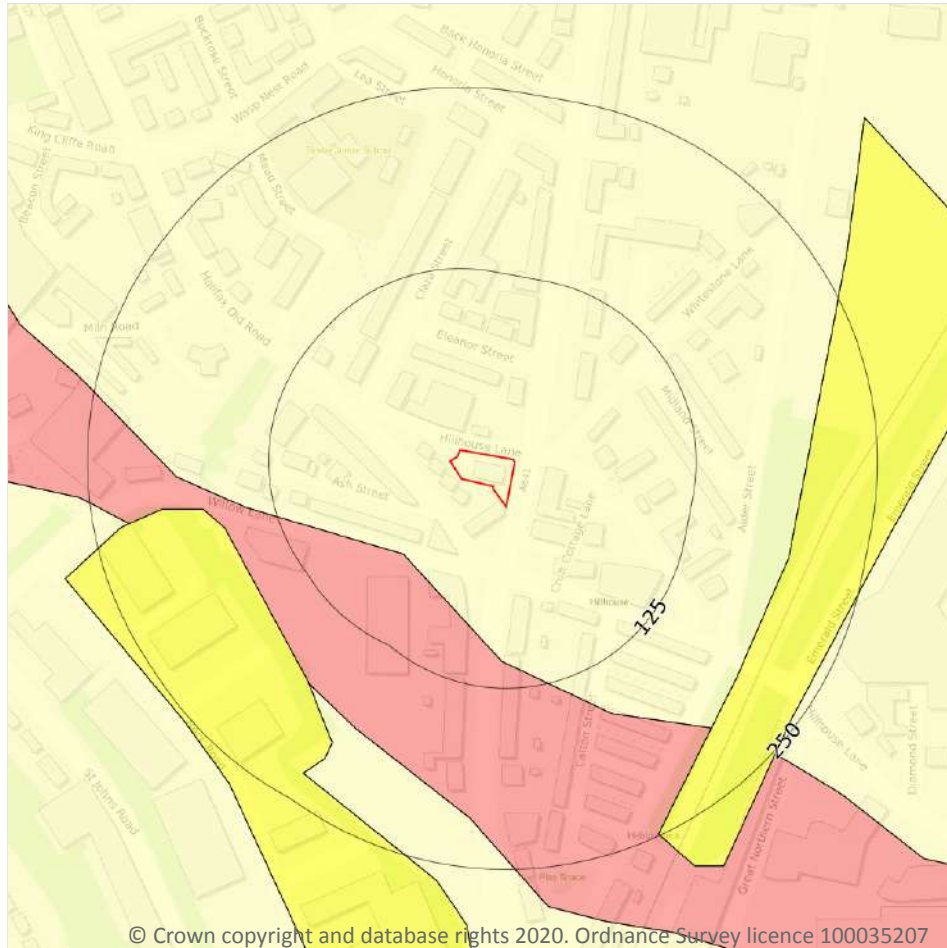
Features are displayed on the Natural ground subsidence - Running sands map on **page 128**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

1

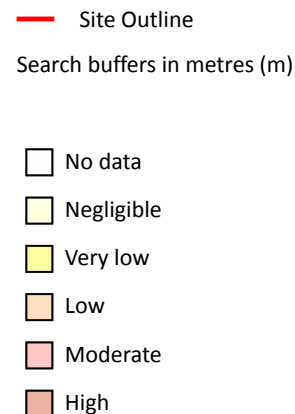
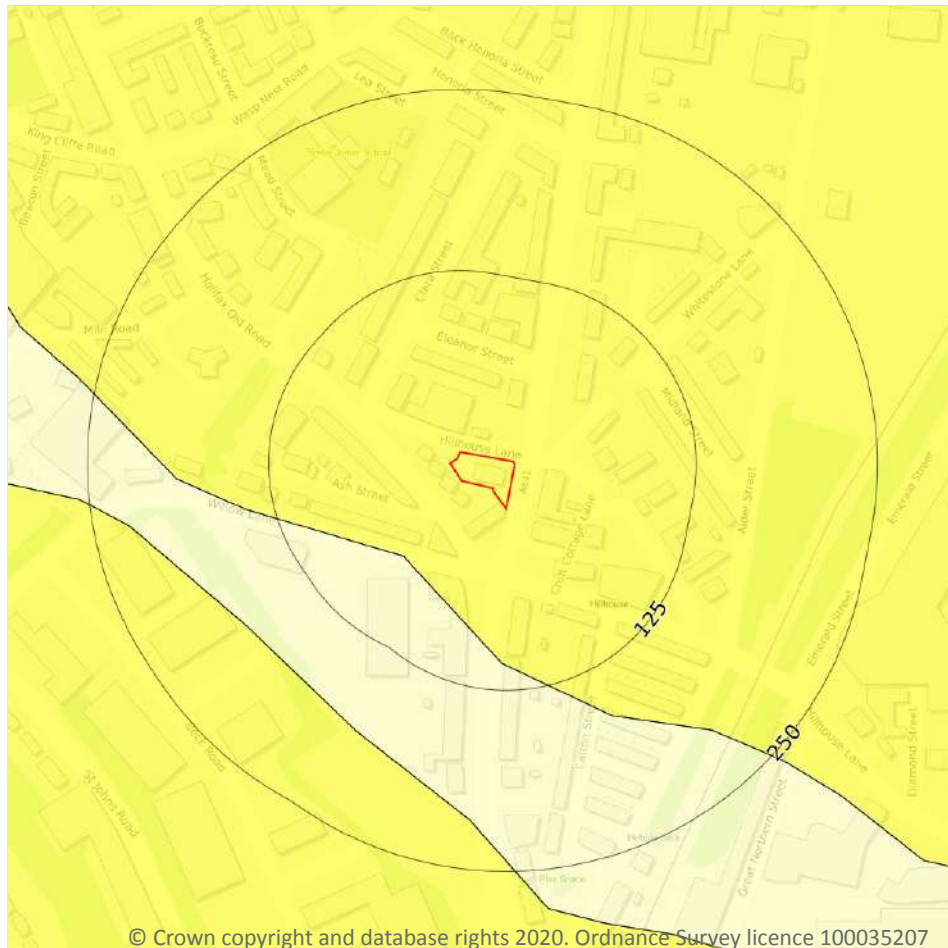
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 129**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



© Crown copyright and database rights 2020. Ordnance Survey licence 100035207

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.

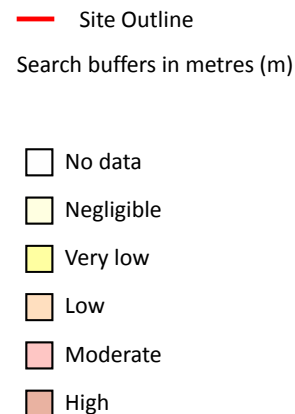
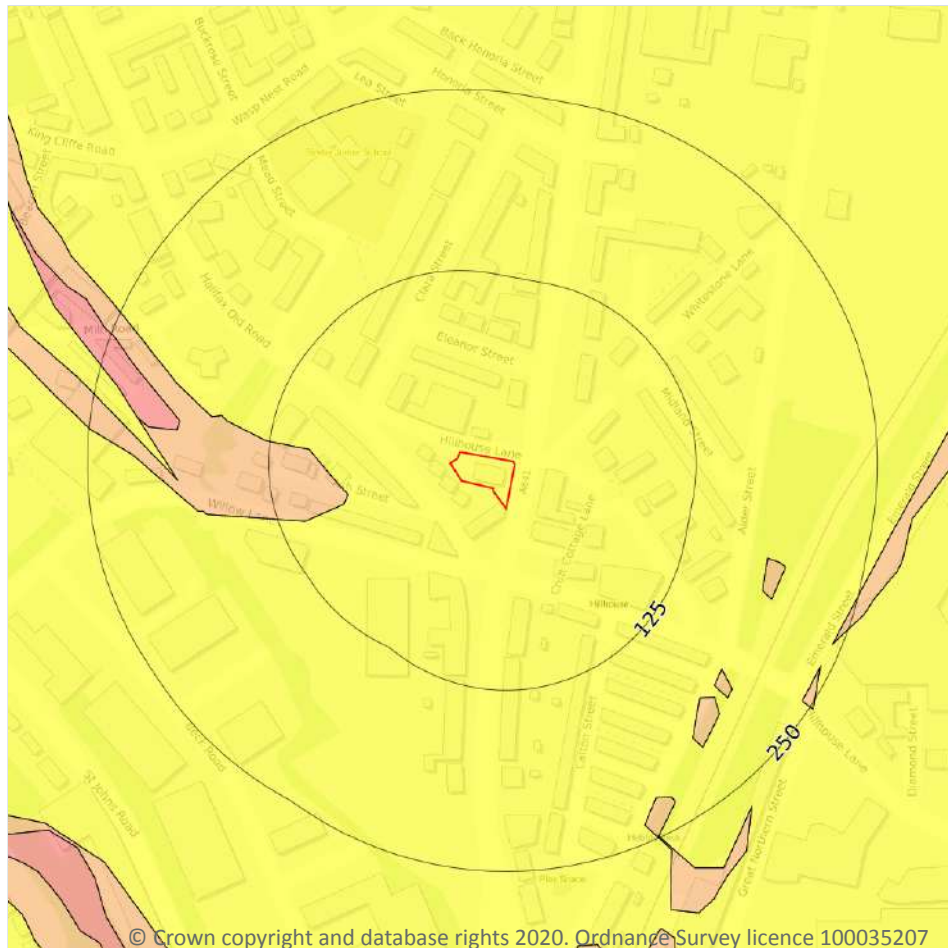
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 130**

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



17.5 Landslides

Records within 50m

1

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

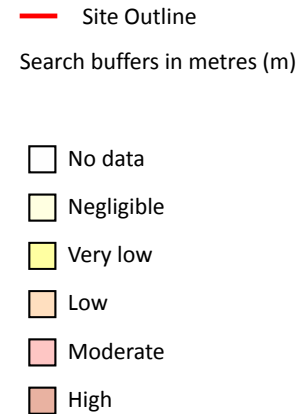
Features are displayed on the Natural ground subsidence - Landslides map on **page 131**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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.

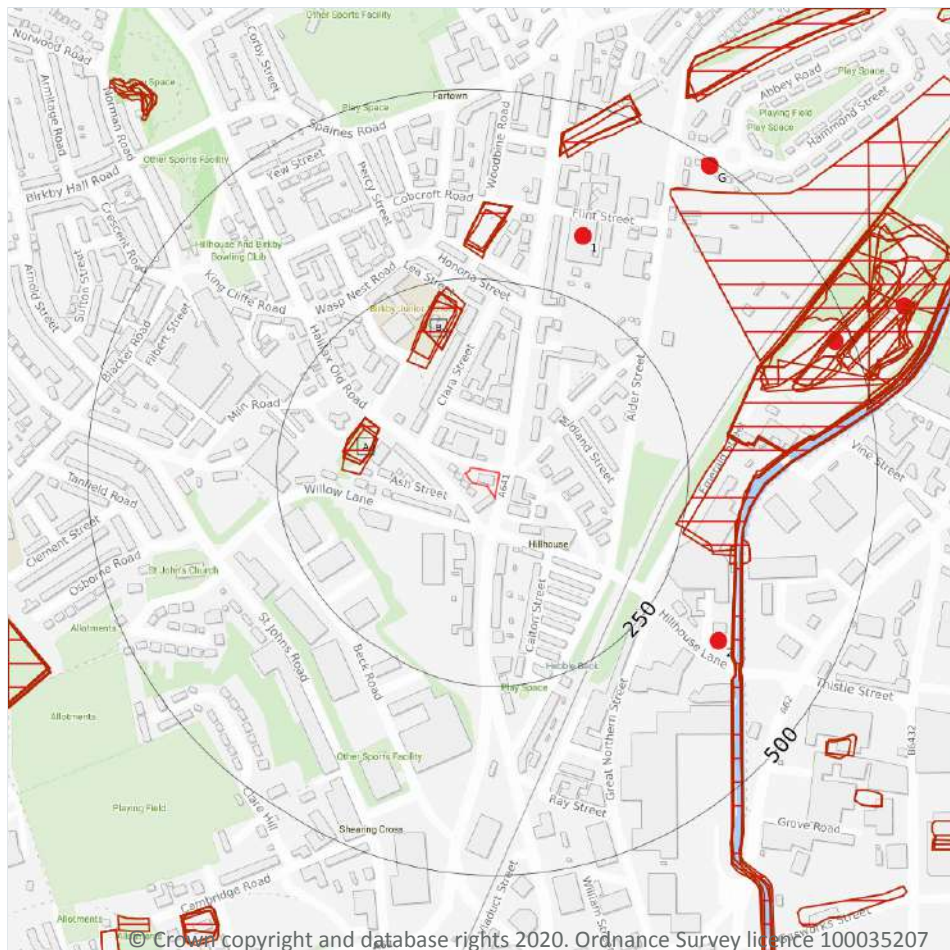
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 132**

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

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



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

18.1 Natural cavities

Records within 500m

0

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

This data is sourced from Peter Brett Associates (PBA).

18.2 BritPits

Records within 500m

4

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 134**

ID	Location	Details	Description
1	332m N	Name: Fartown Colliery Address: Fartown, HUDDERSFIELD, West Yorkshire Commodity: Coal, Deep Status: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
2	351m SE	Name: Lane Colliery Address: HUDDERSFIELD, West Yorkshire Commodity: Coal, Deep Status: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
C	477m E	Name: Hillhouse Road Brickworks Address: HUDDERSFIELD, West Yorkshire Commodity: Clay & Shale Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
G	493m NE	Name: Fartown Green Pit Address: Fartown, HUDDERSFIELD, West Yorkshire Commodity: Coal, Deep Status: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.



18.3 Surface ground workings

Records within 250m

12

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 134**

ID	Location	Land Use	Year of mapping	Mapping scale
A	125m W	Cuttings	1948	1:10560
A	127m W	Cuttings	1938	1:10560
A	128m NW	Cuttings	1975	1:10000
A	128m NW	Cuttings	1956	1:10560
A	128m NW	Cuttings	1985	1:10000
A	128m NW	Cuttings	1966	1:10560
B	144m NW	Cuttings	1948	1:10560
B	154m N	Cuttings	1938	1:10560
B	161m N	Cuttings	1975	1:10000
B	161m N	Cuttings	1985	1:10000
B	161m N	Cuttings	1966	1:10560
C	243m E	Brick Works	1956	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

3

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 134**

ID	Location	Land Use	Year of mapping	Mapping scale
G	487m NE	Unspecified Old Shaft	1905	1:10560
G	490m NE	Unspecified Old Shaft	1889	1:10560
C	571m NE	Unspecified Shaft	1905	1:10560



This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

4

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, ground workings and natural cavities map on **page 134**

ID	Location	Name	Commodity	Class	Likelihood
-	632m N	Elland Flag Mines	Sandstone - Elland Flags	D	Underground mining is known or considered likely to have occurred within or close to the area. Potential for difficult ground conditions are at a level where they should be considered
-	632m N	Elland Flag Mines	Sandstone - Elland Flags	D	Underground mining is known or considered likely to have occurred within or close to the area. Potential for difficult ground conditions are at a level where they should be considered
-	805m NE	Elland Flag Mines	Sandstone - Elland Flags	D	Underground mining is known or considered likely to have occurred within or close to the area. Potential for difficult ground conditions are at a level where they should be considered
-	805m NE	Elland Flag Mines	Sandstone - Elland Flags	D	Underground mining is known or considered likely to have occurred within or close to the area. Potential for difficult ground conditions are at a level where they should be considered

This data is sourced from the British Geological Survey.



18.7 Mining cavities

Records within 1000m

0

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

This data is sourced from Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site

1

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

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

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site

0

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

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

18.11 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

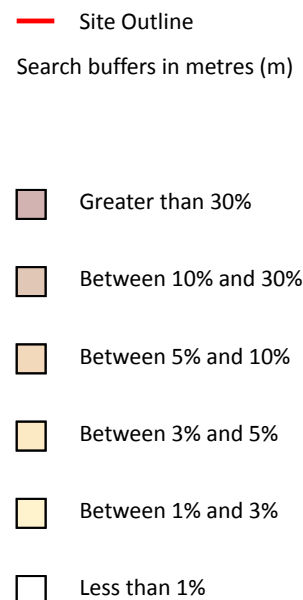
18.13 Clay mining

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

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

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

19 Radon



19.1 Radon

Records on site

1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 140**

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

This data is sourced from the British Geological Survey and Public Health England.



20 Soil chemistry

20.1 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 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	>180 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	>180 mg/kg	30 - 45 mg/kg
On site	35 - 45 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	35 - 45 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
31m S	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	>180 mg/kg	30 - 45 mg/kg
31m SE	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	>180 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



20.3 BGS Measured Urban Soil Chemistry

Records within 50m

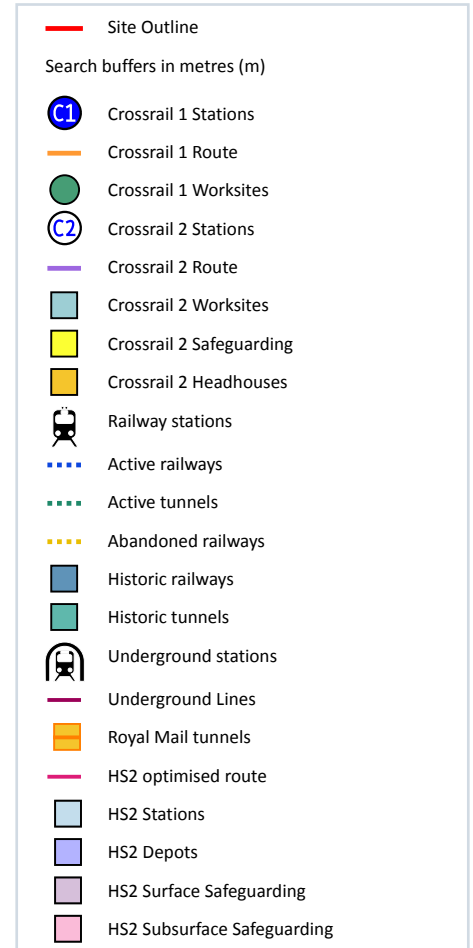
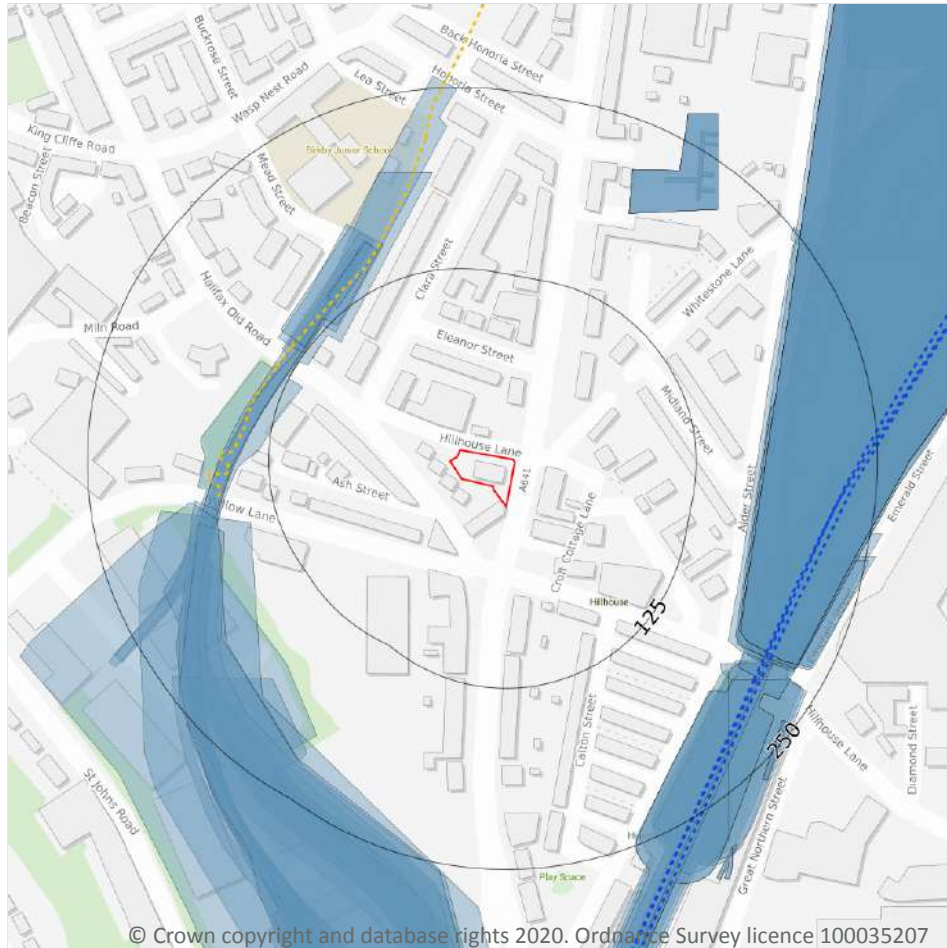
0

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

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



21.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

44

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 143**

Location	Land Use	Year of mapping	Mapping scale
111m NW	Railway	1918	-
118m NW	Railway Sidings	1938	10560
121m NW	Railway Sidings	1956	10560
126m NW	Railway Sidings	1958	2500
127m NW	Railway Sidings	1918	2500
127m NW	Railway Sidings	1932	2500
129m NW	Railway Sidings	1948	10560
144m W	Railway Sidings	1948	10560
162m W	Railway Sidings	1938	10560
163m W	Railway Sidings	1966	10560
165m E	Railway Sidings	1889	10560
165m W	Railway Sidings	1956	10560
168m E	Railway Sidings	1938	10560
169m E	Railway Sidings	1948	10560
169m E	Railway Sidings	1905	10560
171m E	Railway Sidings	1975	10000
171m E	Railway Sidings	1956	10560



Location	Land Use	Year of mapping	Mapping scale
171m E	Railway Sidings	1985	10000
171m E	Railway Sidings	1966	10560
173m SW	Railway	1932	-
178m E	Railway	1883	-
179m SW	Railway Sidings	1959	1250
181m E	Railway	1907	-
183m SE	Railway	1907	-
183m E	Railway Sidings	1907	2500
183m E	Railway Sidings	1893	2500
185m E	Railway Sidings	1890	500
186m E	Railway Sidings	1918	2500
186m E	Railway Sidings	1932	2500
187m SE	Railway	1918	-
188m E	Railway Sidings	1959	1250
188m E	Railway Sidings	1958	2500
188m NE	Railway Sidings	1975	10000
188m NE	Railway Sidings	1985	10000
188m NE	Railway Sidings	1966	10560
189m SE	Railway	1932	-
198m E	Railway Sidings	1982	1250
199m E	Railway Sidings	1890	500
209m SE	Railway Sidings	1982	1250
212m NE	Tramway Sidings	1932	2500
218m NE	Railway Sidings	1959	1250
218m NE	Railway Sidings	1958	2500
241m SE	Railway Sidings	1958	2500
241m SE	Railway Sidings	1959	1250

This data is sourced from Ordnance Survey/Groundsure.



21.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m

4

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

Features are displayed on the Railway infrastructure and projects map on **page 143**

Location	Description
134m NW	Abandoned
135m NW	Abandoned
136m NW	Abandoned
216m N	Abandoned

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

7

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

Features are displayed on the Railway infrastructure and projects map on **page 143**

Location	Name	Type
205m SE	Huddersfield Line	rail
205m SE	Huddersfield Line	rail
206m SE	Not given	Multi Track
208m SE	Huddersfield Line	rail
209m SE	Huddersfield Line	rail



Location	Name	Type
210m SE	Huddersfield Line	rail
212m SE	Huddersfield Line	rail

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m **0**

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m **0**

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m **0**

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

This data is sourced from HS2 Ltd.

Data providers

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

Terms and conditions

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: County Series Town Plan

Map date: 1890

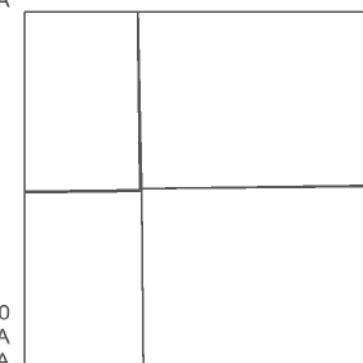
Scale: 1:500

Printed at: 1:1,000



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

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



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

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

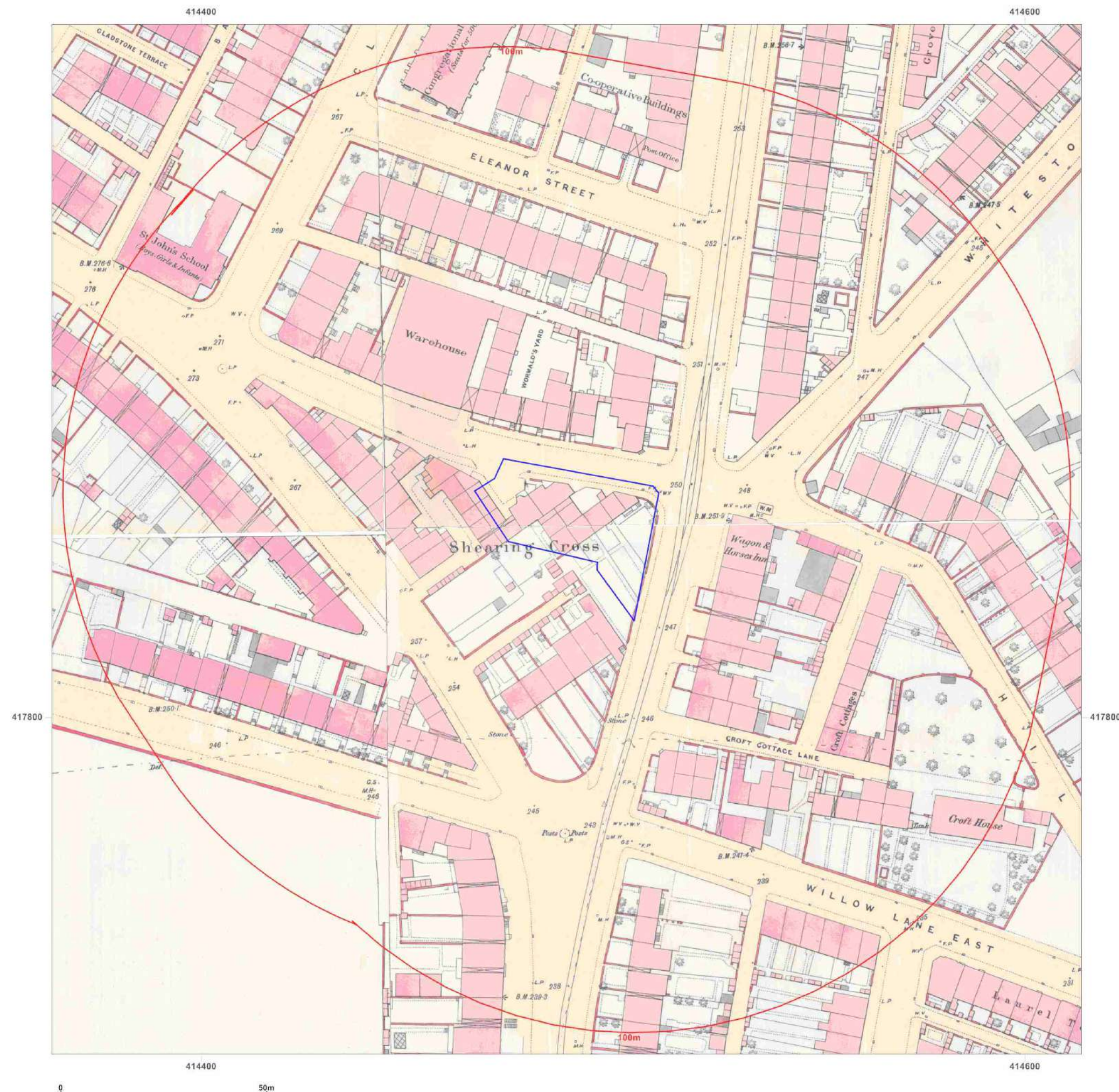


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: County Series

Map date: 1907

Scale: 1:2,500

Printed at: 1:2,500



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



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

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: County Series

Map date: 1918

Scale: 1:2,500

Printed at: 1:2,500



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

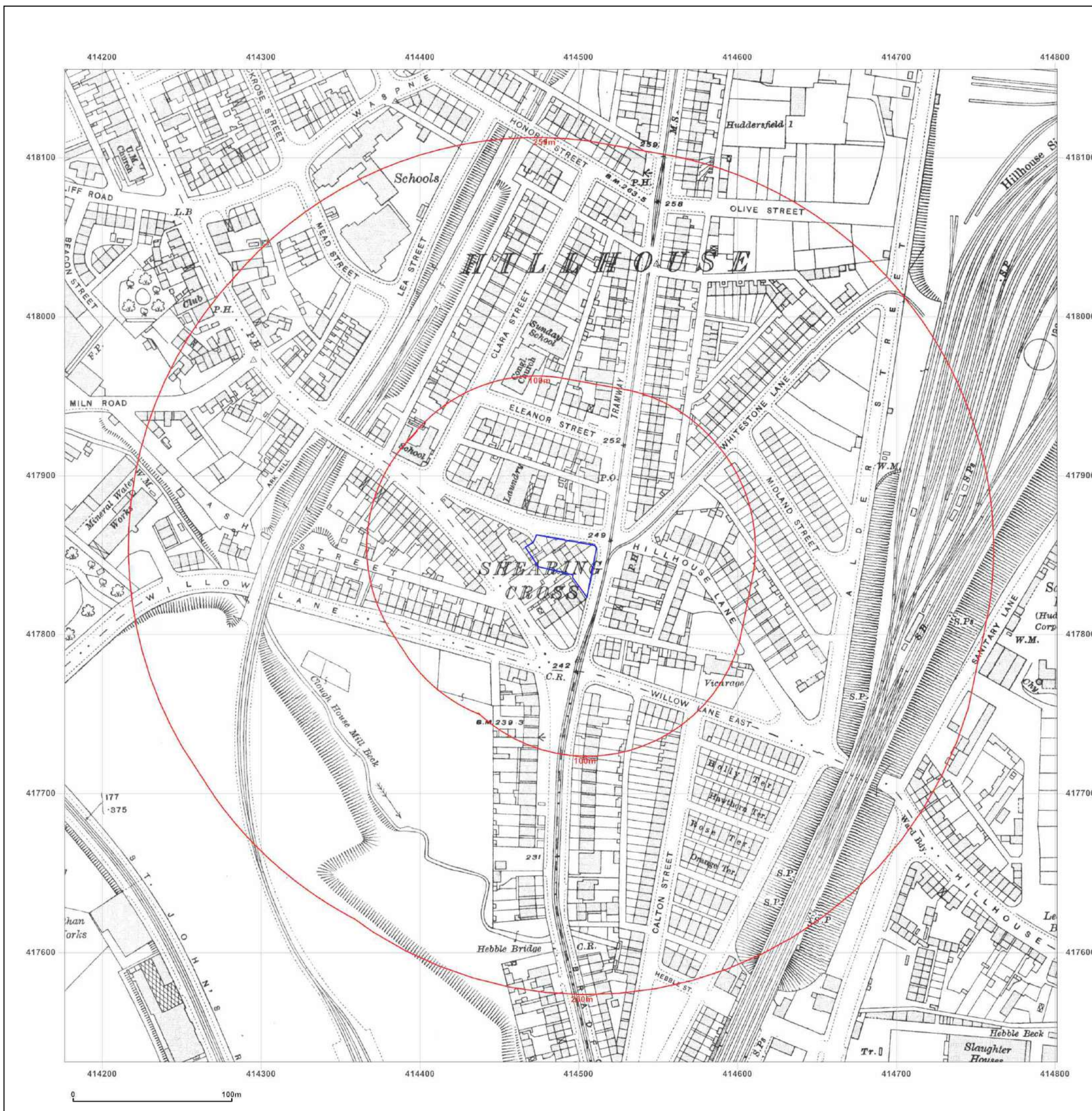


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: County Series

Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



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

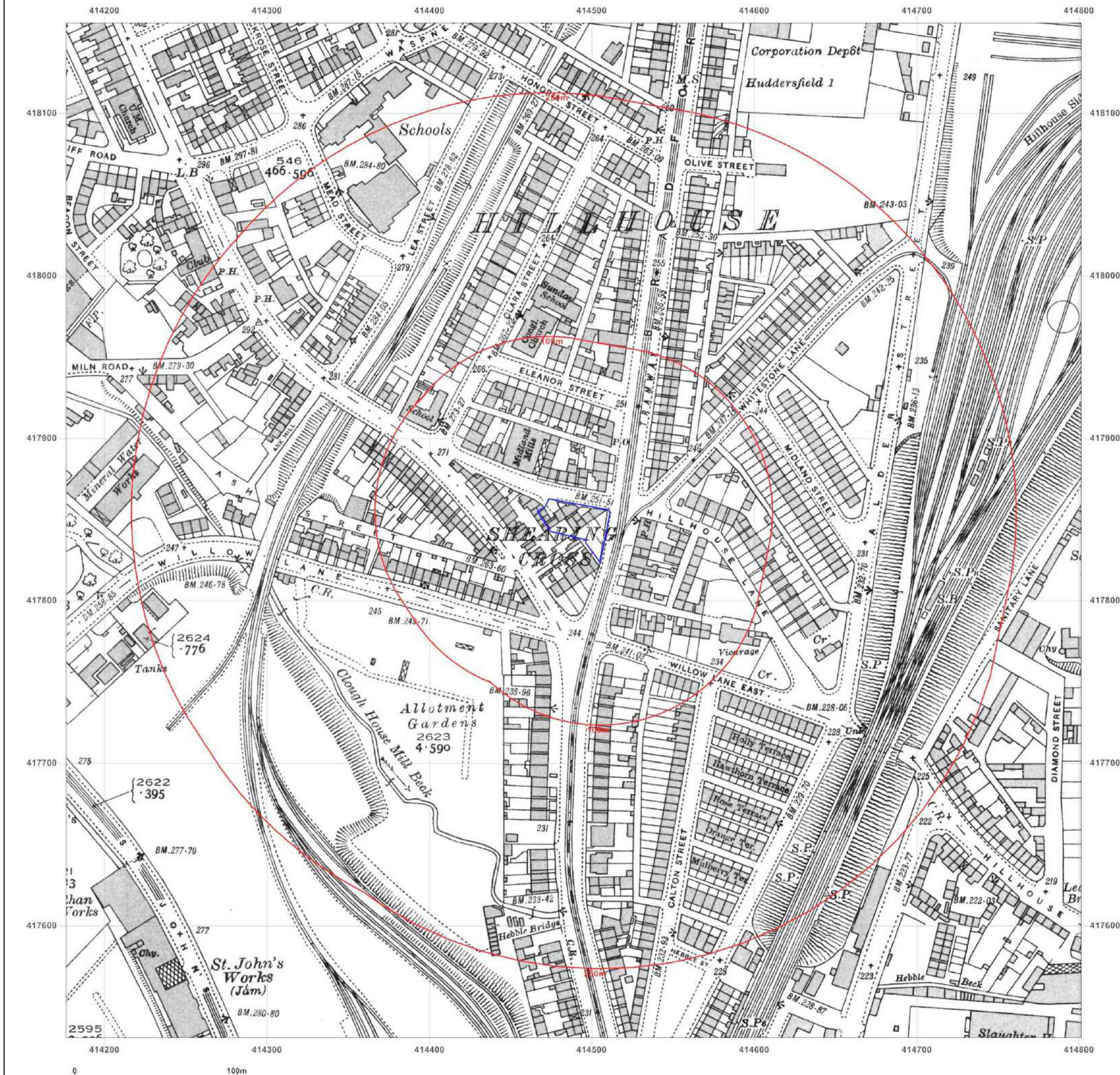


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1958

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1958
Revised 1958
Edition 1960
Copyright 1960
Levelled 1931

Surveyed 1959
Revised 1959
Edition 1960
Copyright 1960
Levelled 1931

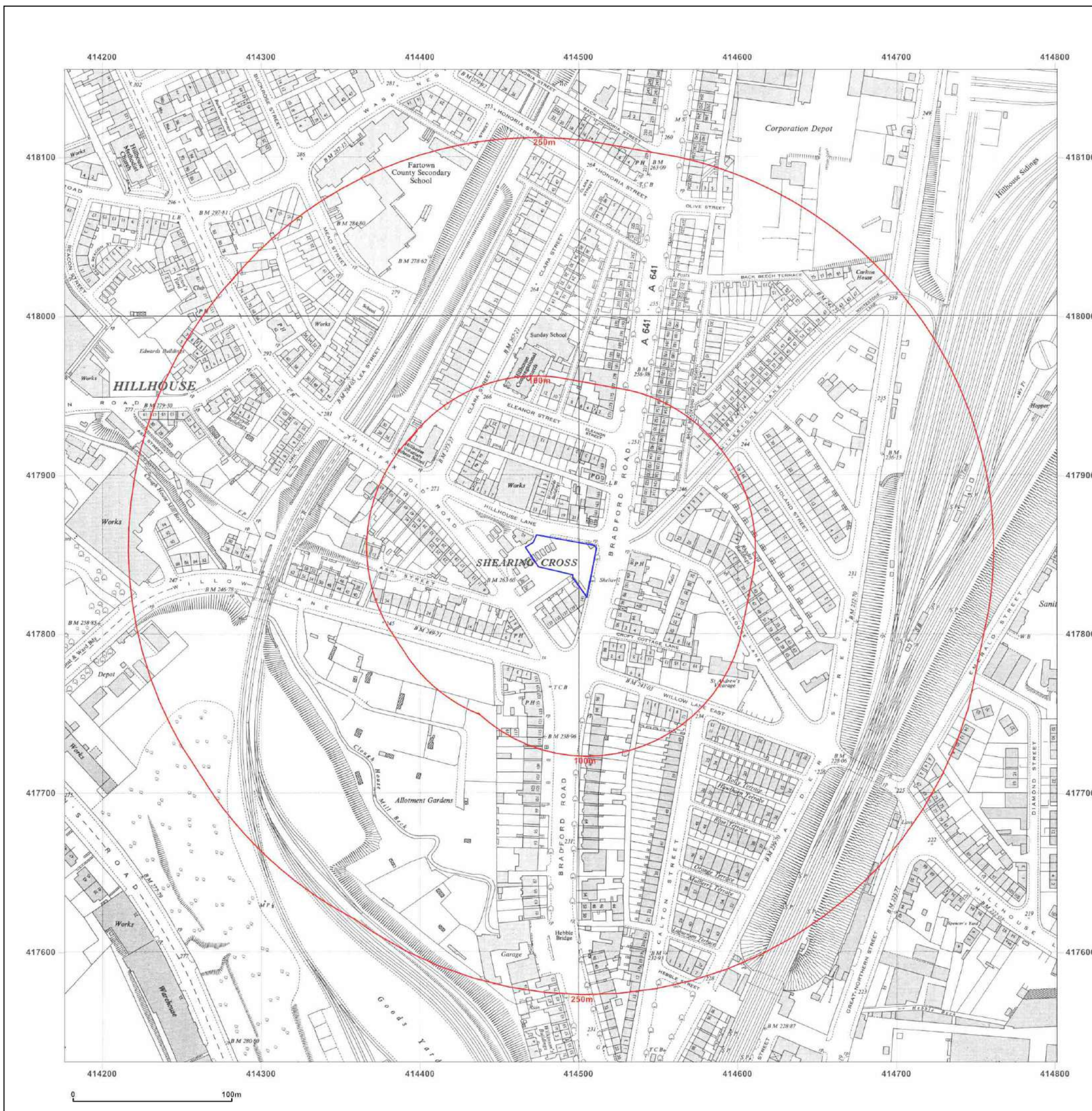


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1959

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1958
Revised 1958
Edition N/A
Copyright 1959
Levelled 1931

Surveyed 1958
Revised 1958
Edition N/A
Copyright 1959
Levelled 1931

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

Surveyed 1958
Revised 1958
Edition N/A
Copyright 1959
Levelled 1931



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

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1960

Scale: 1:2,500

Printed at: 1:2,500



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

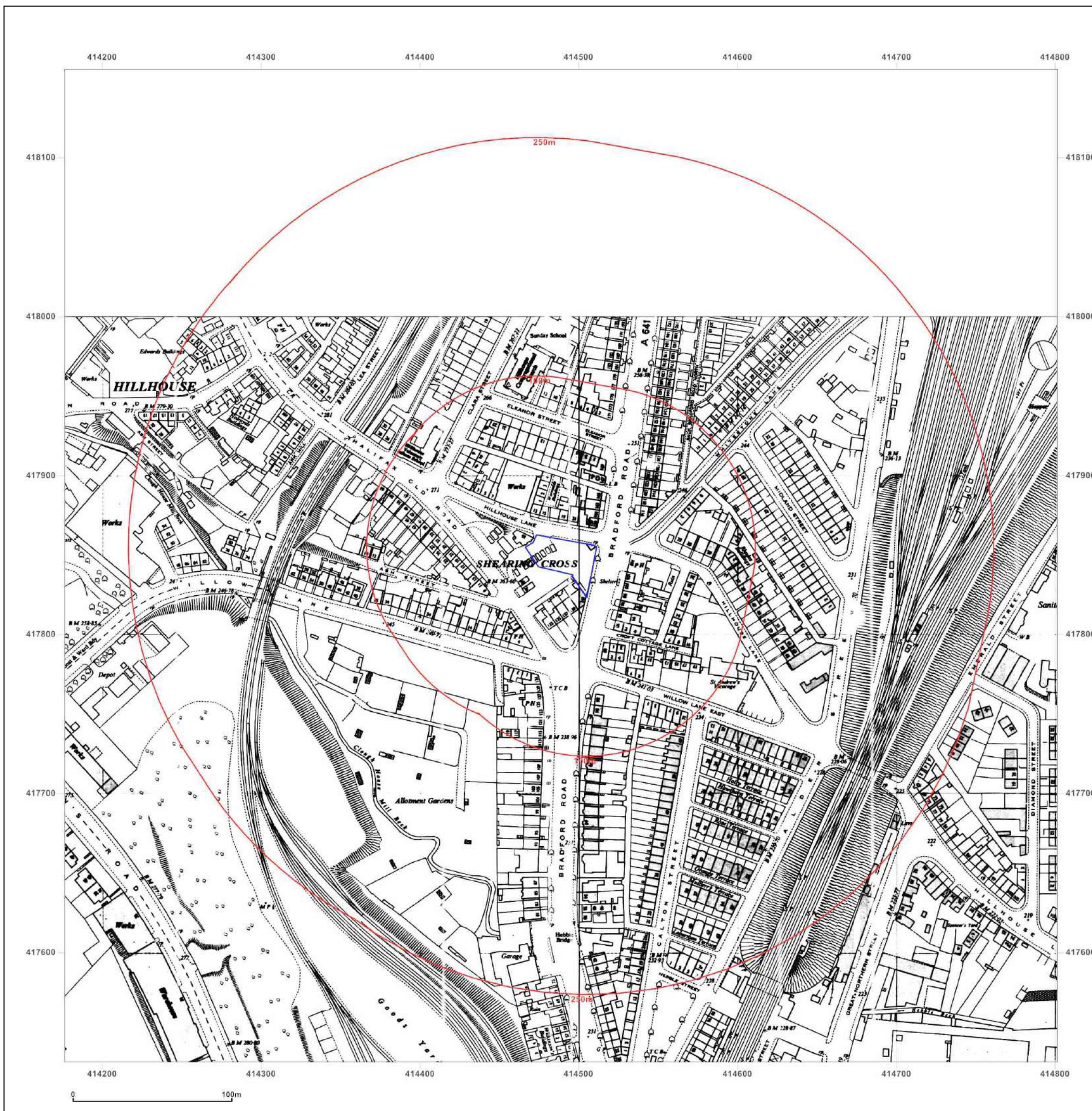


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1972-1975

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1958
Revised 1975
Edition N/A
Copyright 1959
Levelled 1931

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

Surveyed 1959
Revised 1971
Edition N/A
Copyright 1972
Levelled 1959

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



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

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1975-1977

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1958
Revised 1977
Edition N/A
Copyright 1959
Levelled 1931

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

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



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

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1977-1982

Scale: 1:1,250

Printed at: 1:2,000



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

Surveyed 1958
Revised 1982
Edition N/A
Copyright 1982
Levelled 1959

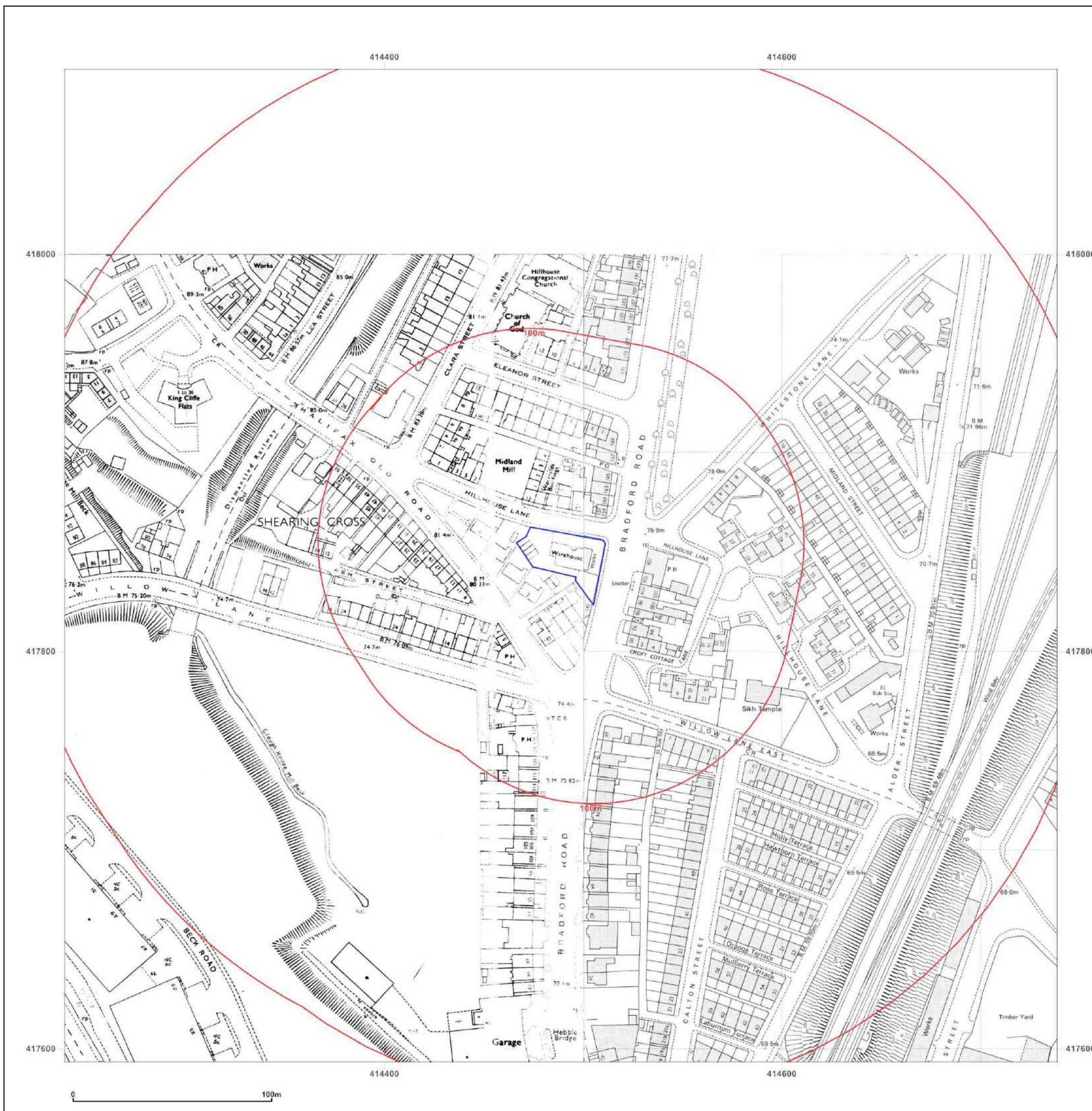


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1986-1990

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1959
Revised 1990
Edition N/A
Copyright 1990
Levelled 1959

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

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



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

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1989-1992

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1959
Revised 1990
Edition N/A
Copyright 1990
Levelled 1959

Surveyed 1958
Revised 1988
Edition N/A
Copyright 1989
Levelled N/A

Surveyed 1959
Revised 1989
Edition N/A
Copyright 1989
Levelled 1959

Surveyed 1968
Revised 1982
Edition N/A
Copyright 1992
Levelled 1959

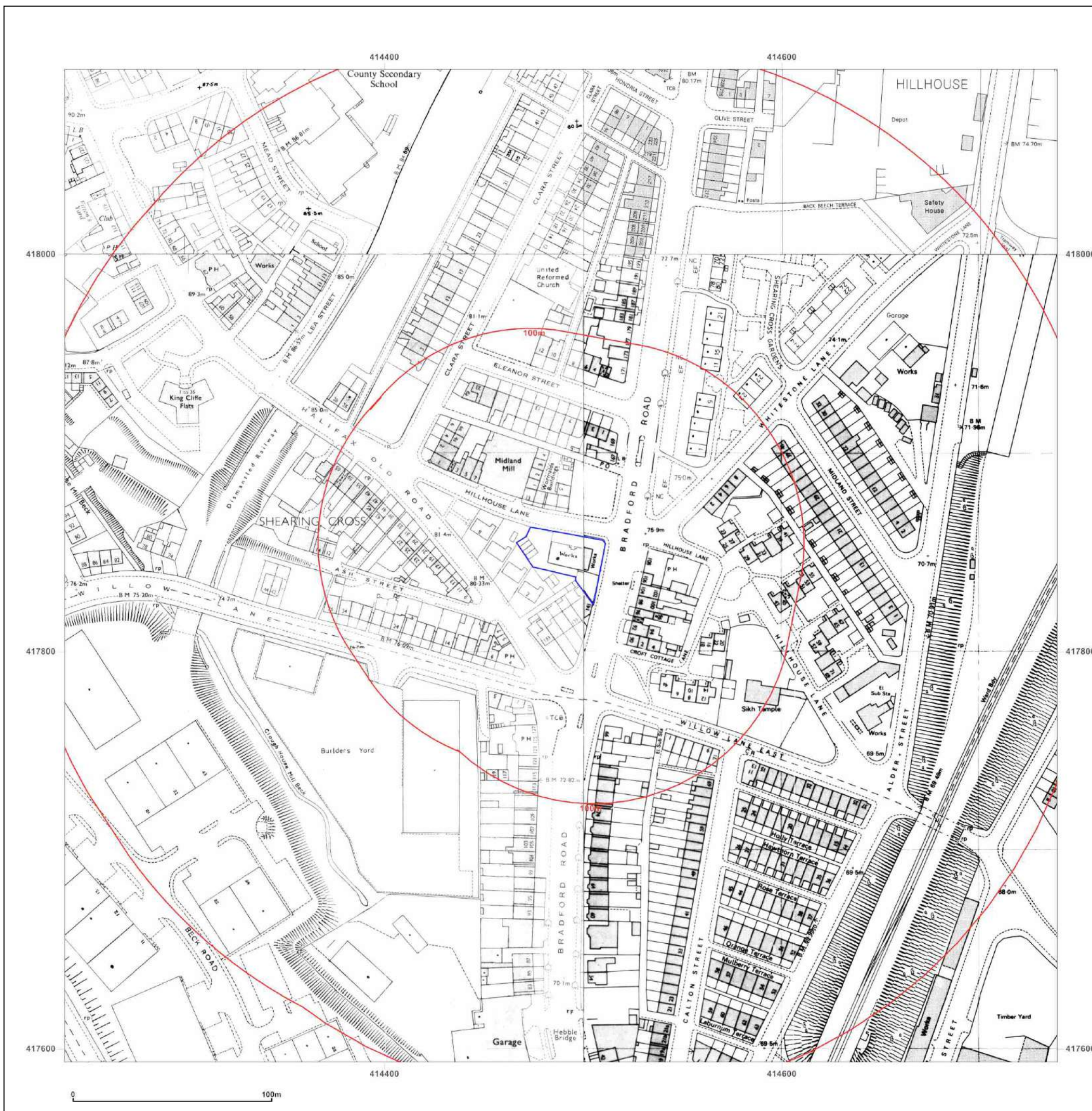


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



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

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

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

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

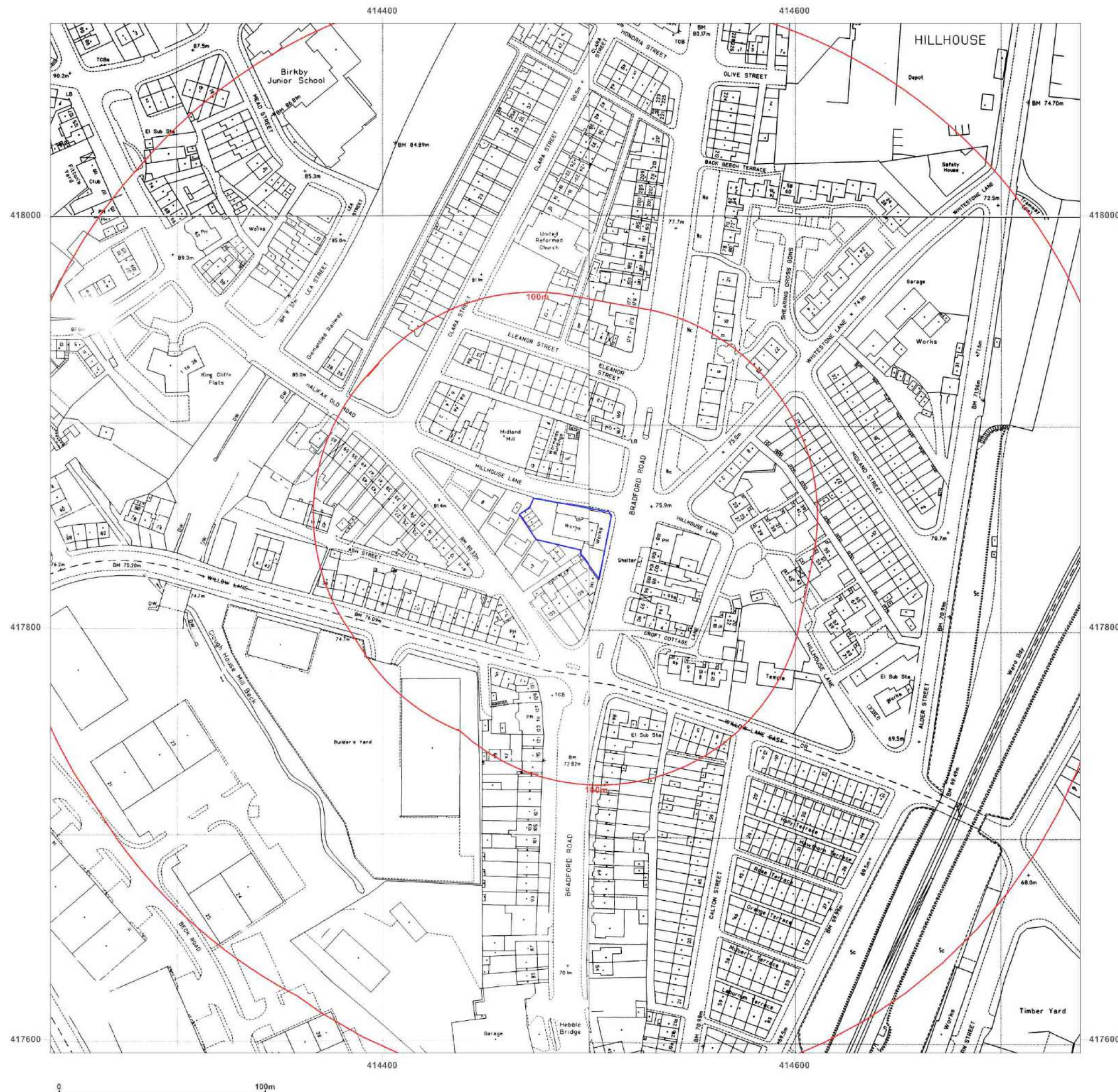


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



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

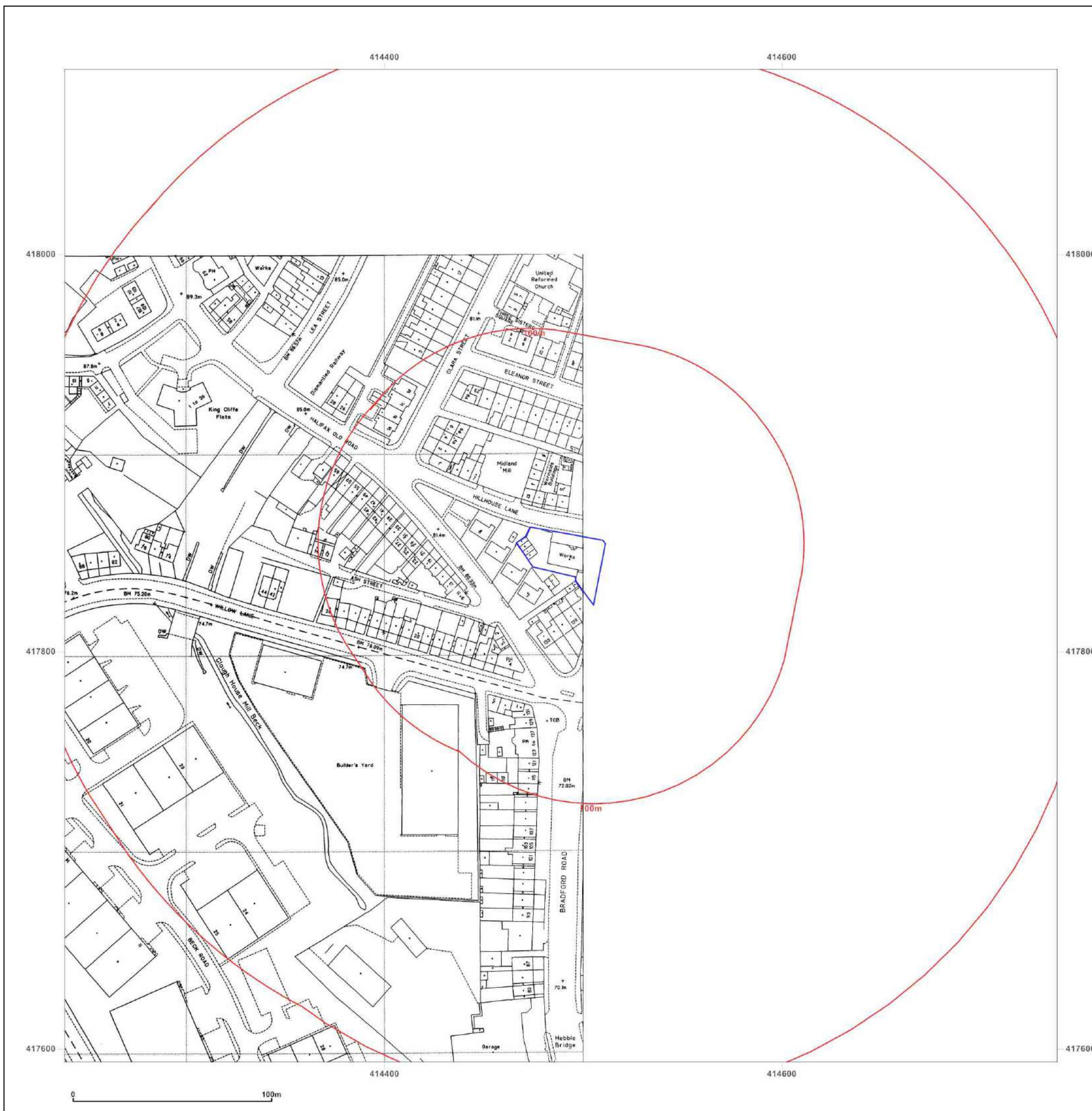


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1989-1993

Scale: 1:1,250

Printed at: 1:2,000



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

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

Surveyed 1959
Revised 1989
Edition N/A
Copyright 1989
Levelled 1959

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

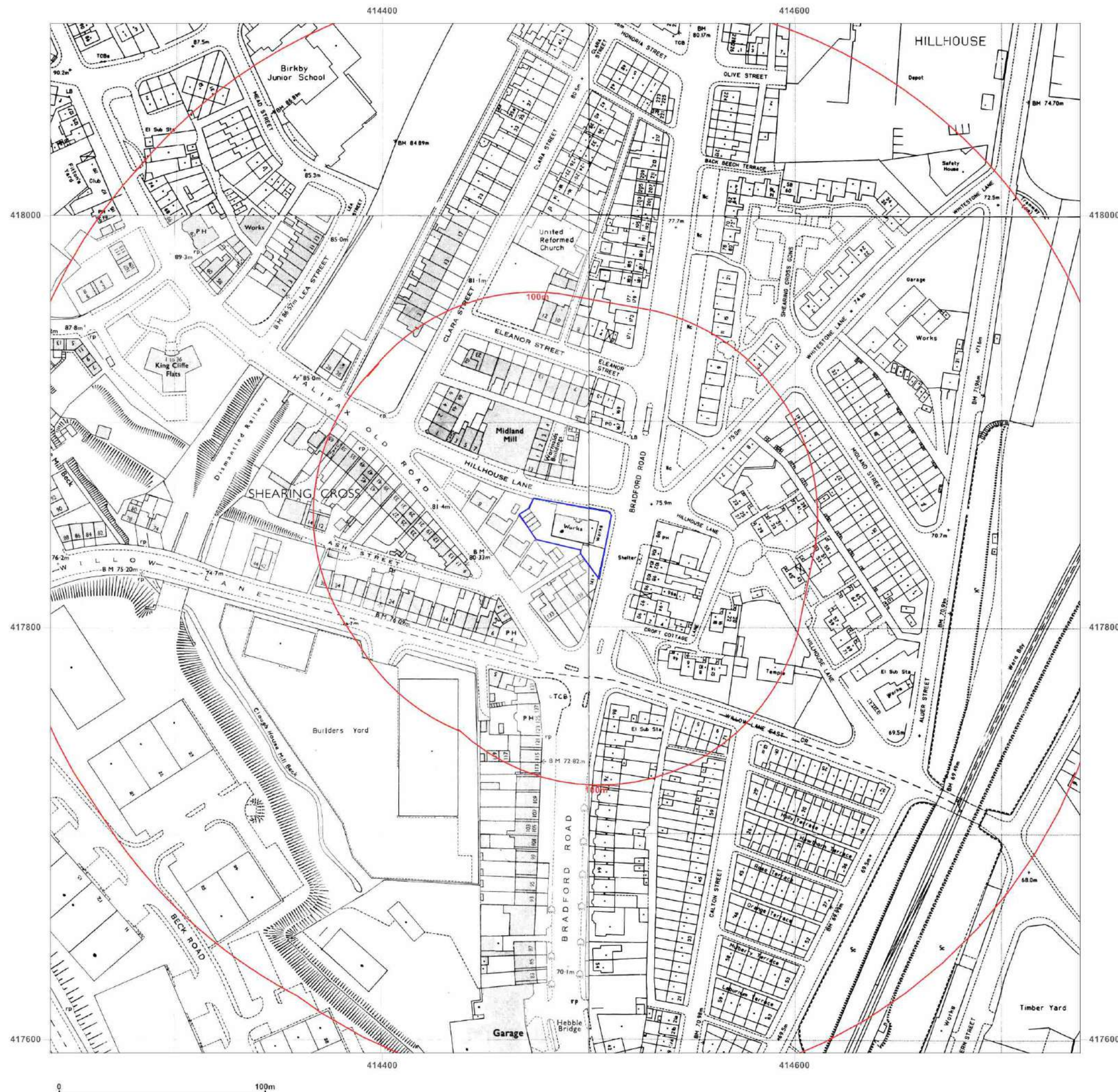


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



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

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

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

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



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

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



2003

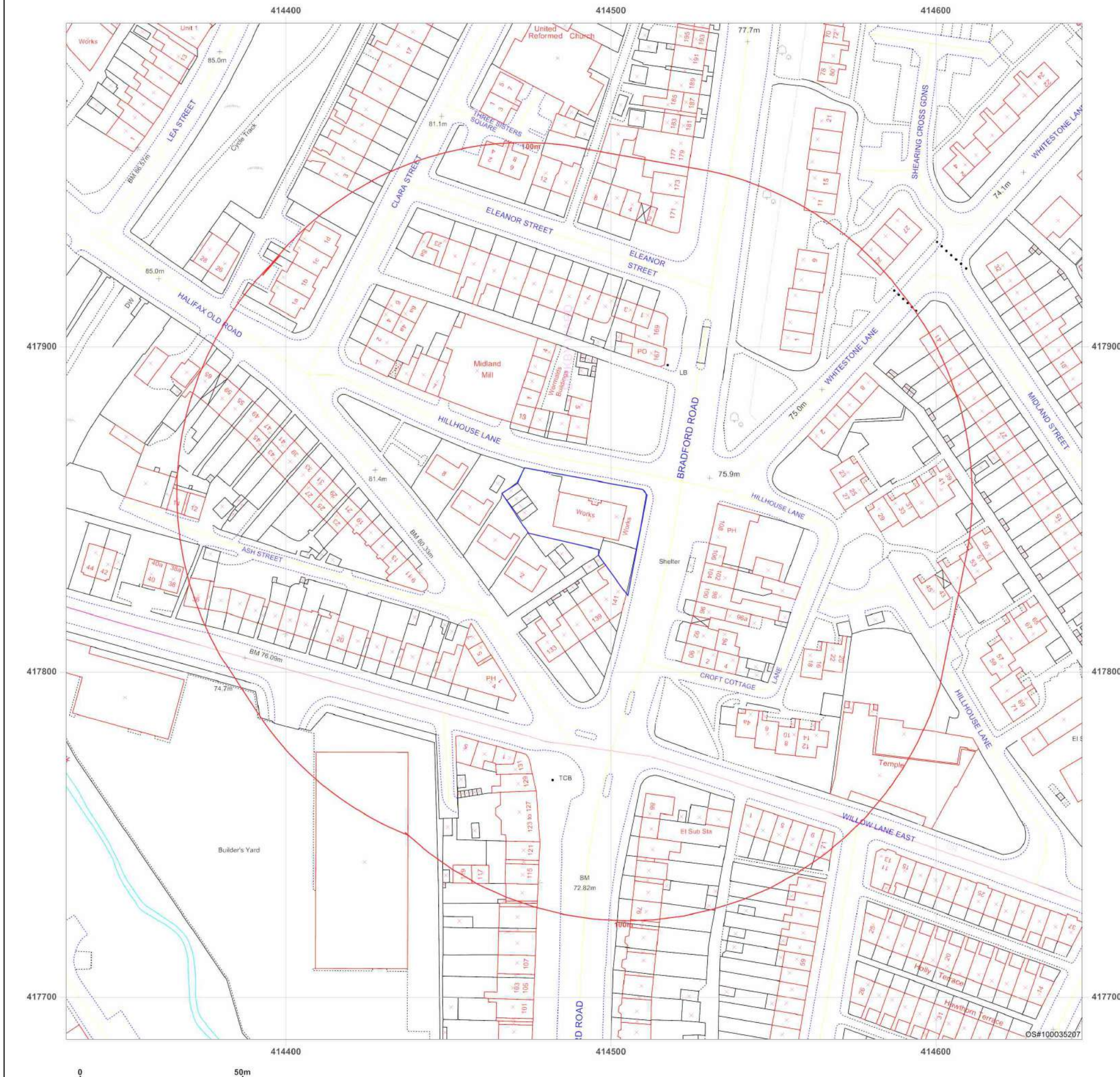


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: County Series

Map date: 1854

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1850
Revised N/A
Edition 1854
Copyright N/A
Levelled 1853



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

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: County Series

Map date: 1889-1892

Scale: 1:10,560

Printed at: 1:10,560



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

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

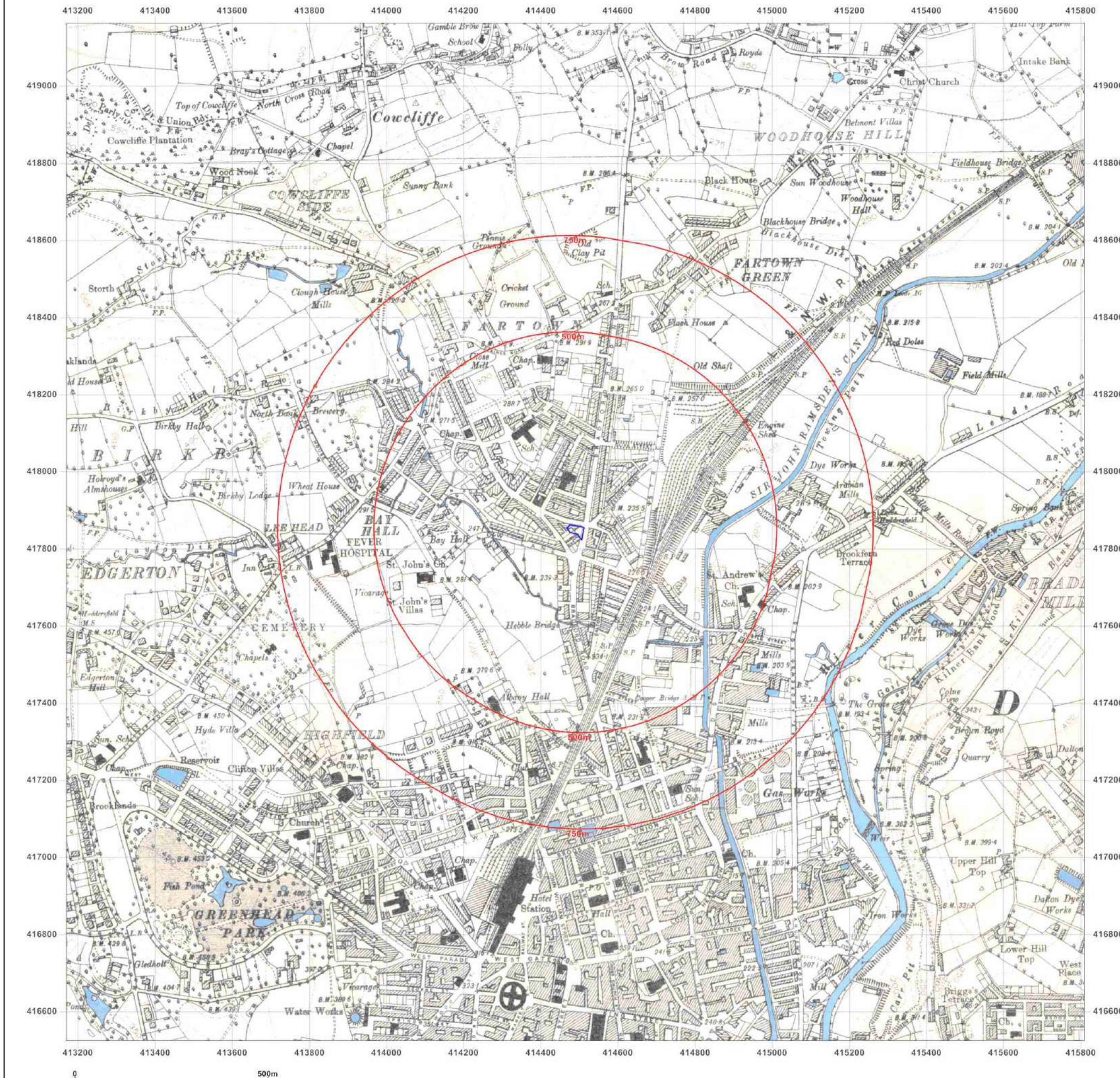


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: County Series

Map date: 1905

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1892
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

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

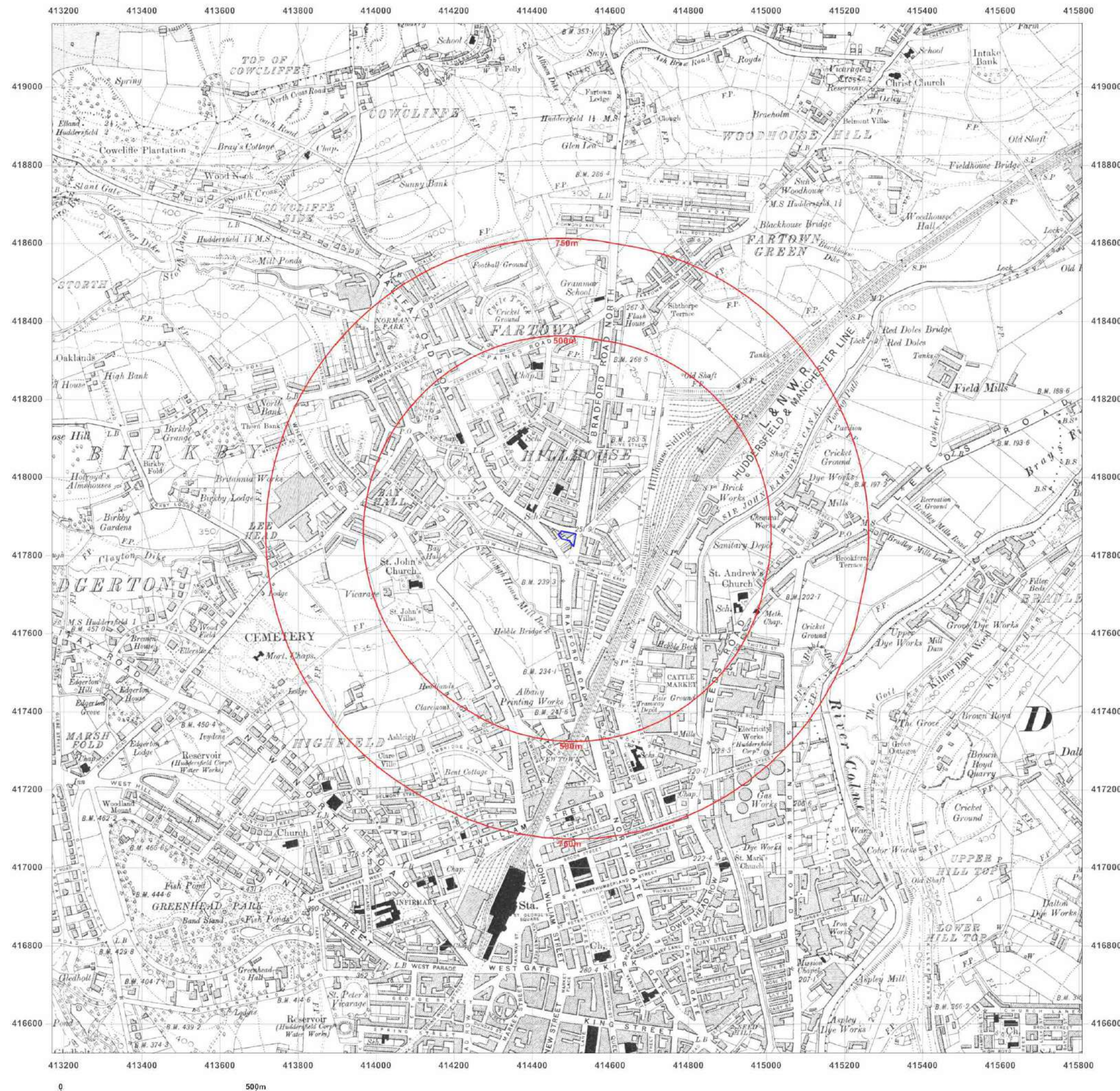


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: County Series

Map date: 1930-1931

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1850
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A

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

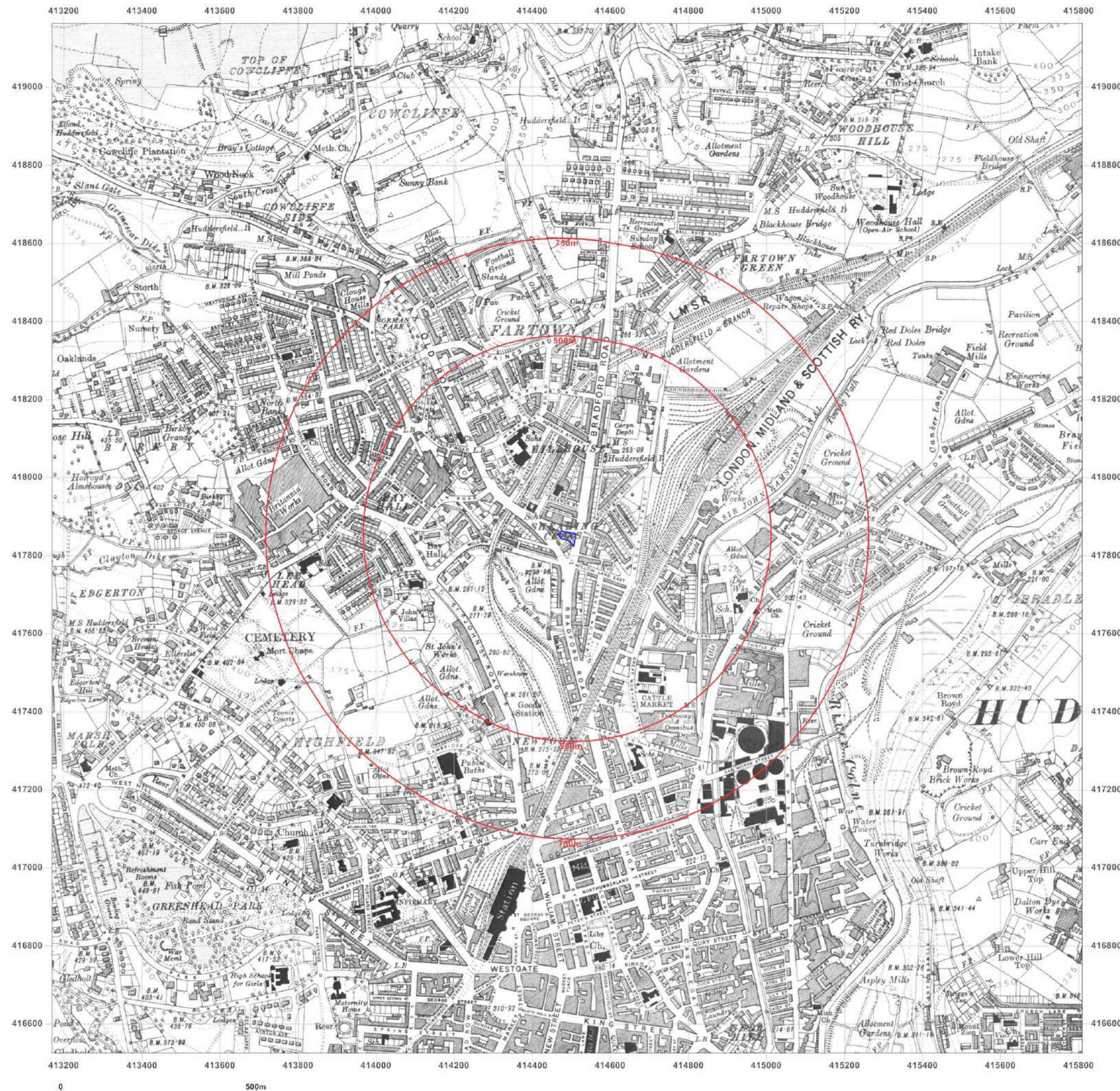


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1850
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A



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

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: County Series

Map date: 1948

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1850
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

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

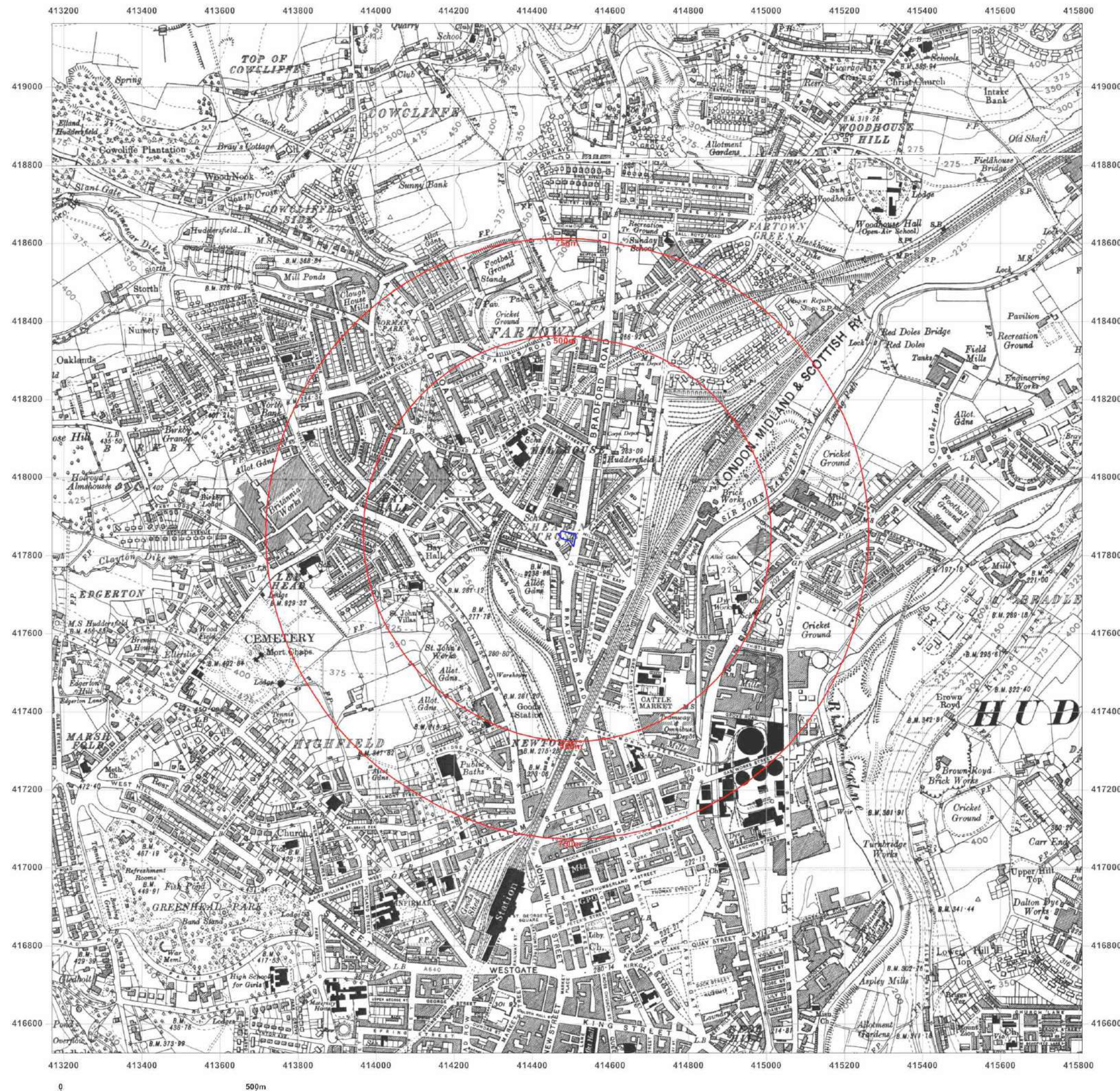


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: Provisional

Map date: 1956

Scale: 1:10,560

Printed at: 1:10,560



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

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

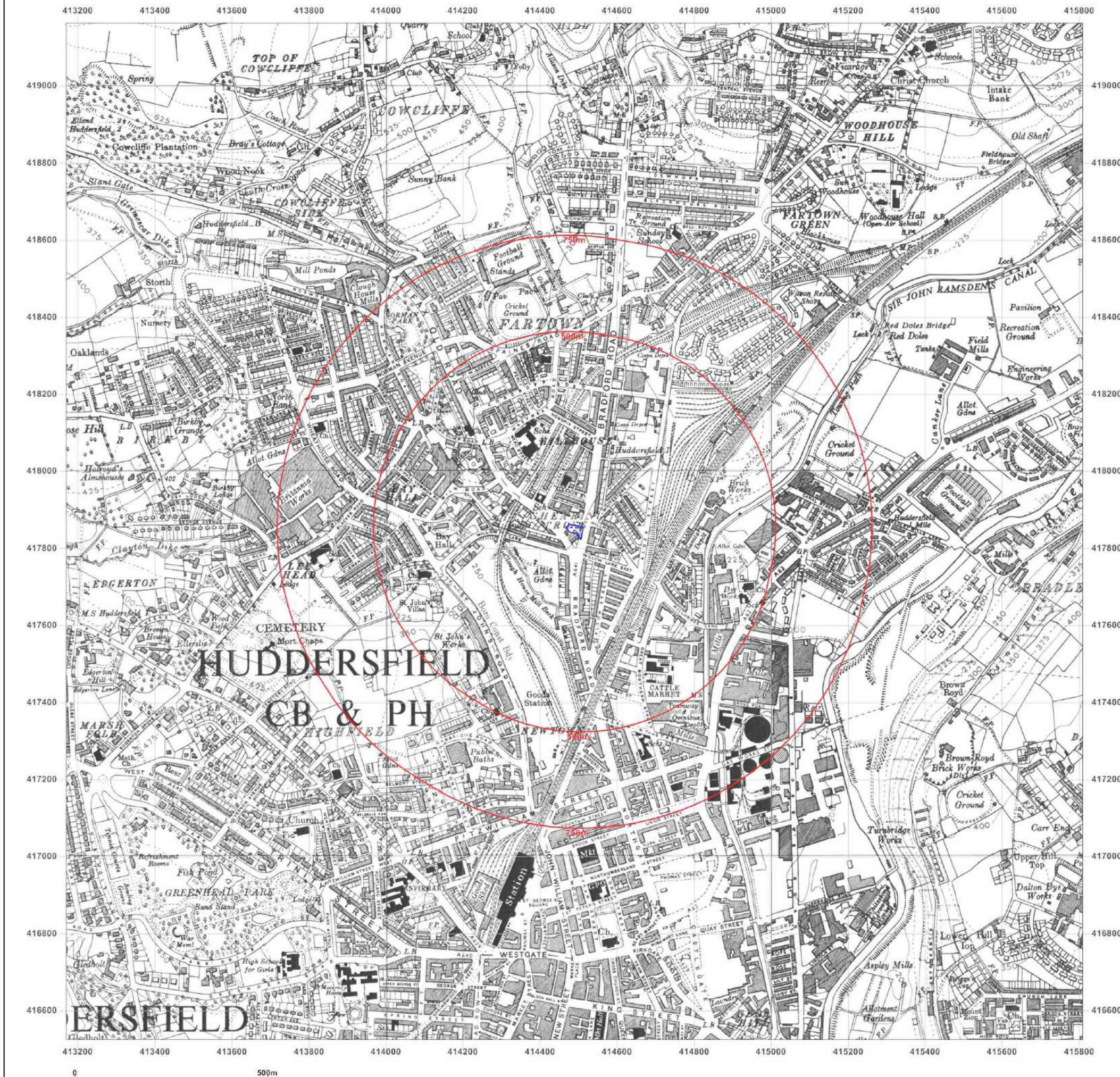


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: Provisional

Map date: 1965-1966

Scale: 1:10,560

Printed at: 1:10,560



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

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

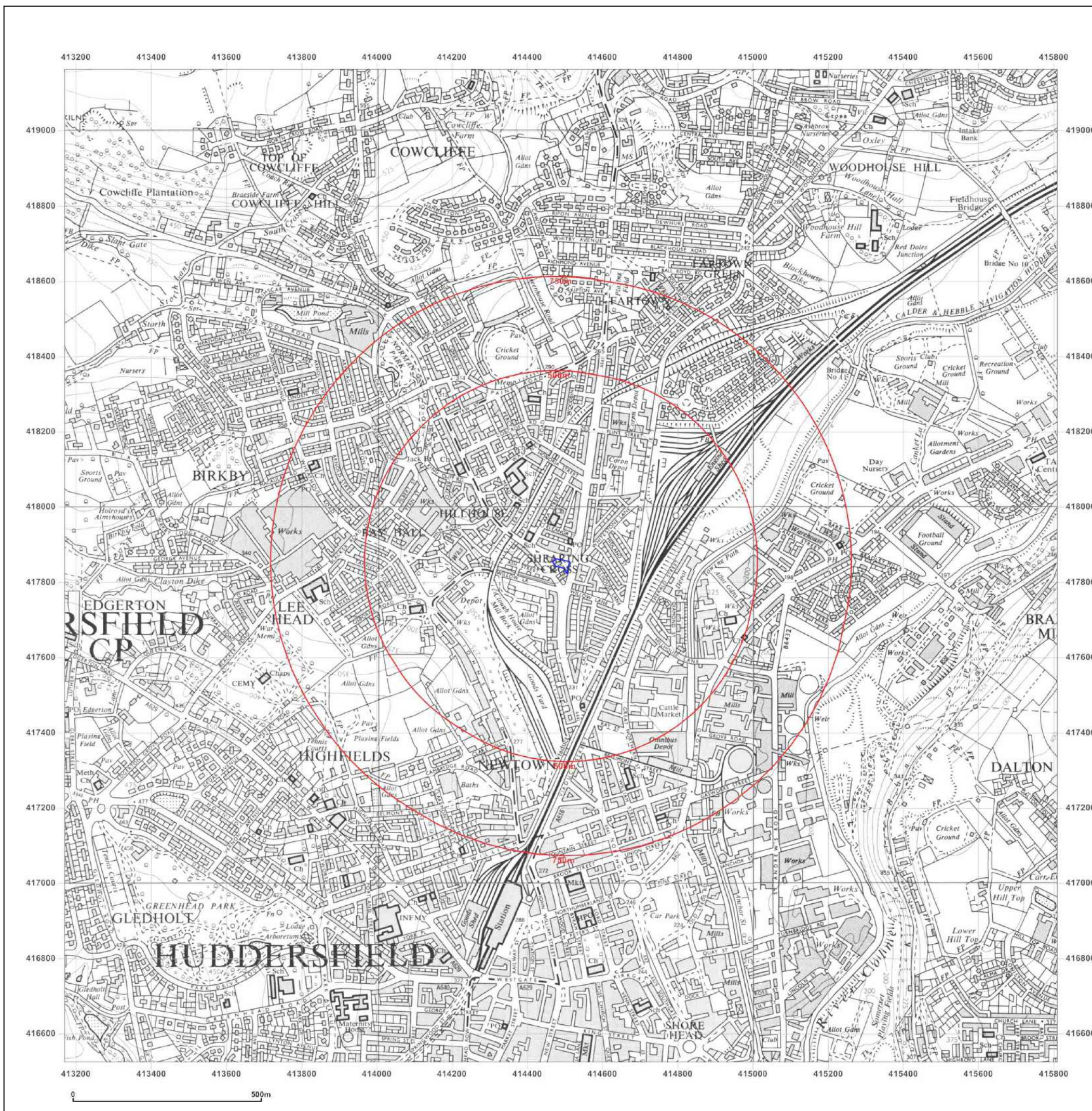


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1975

Scale: 1:10,000

Printed at: 1:10,000



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

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

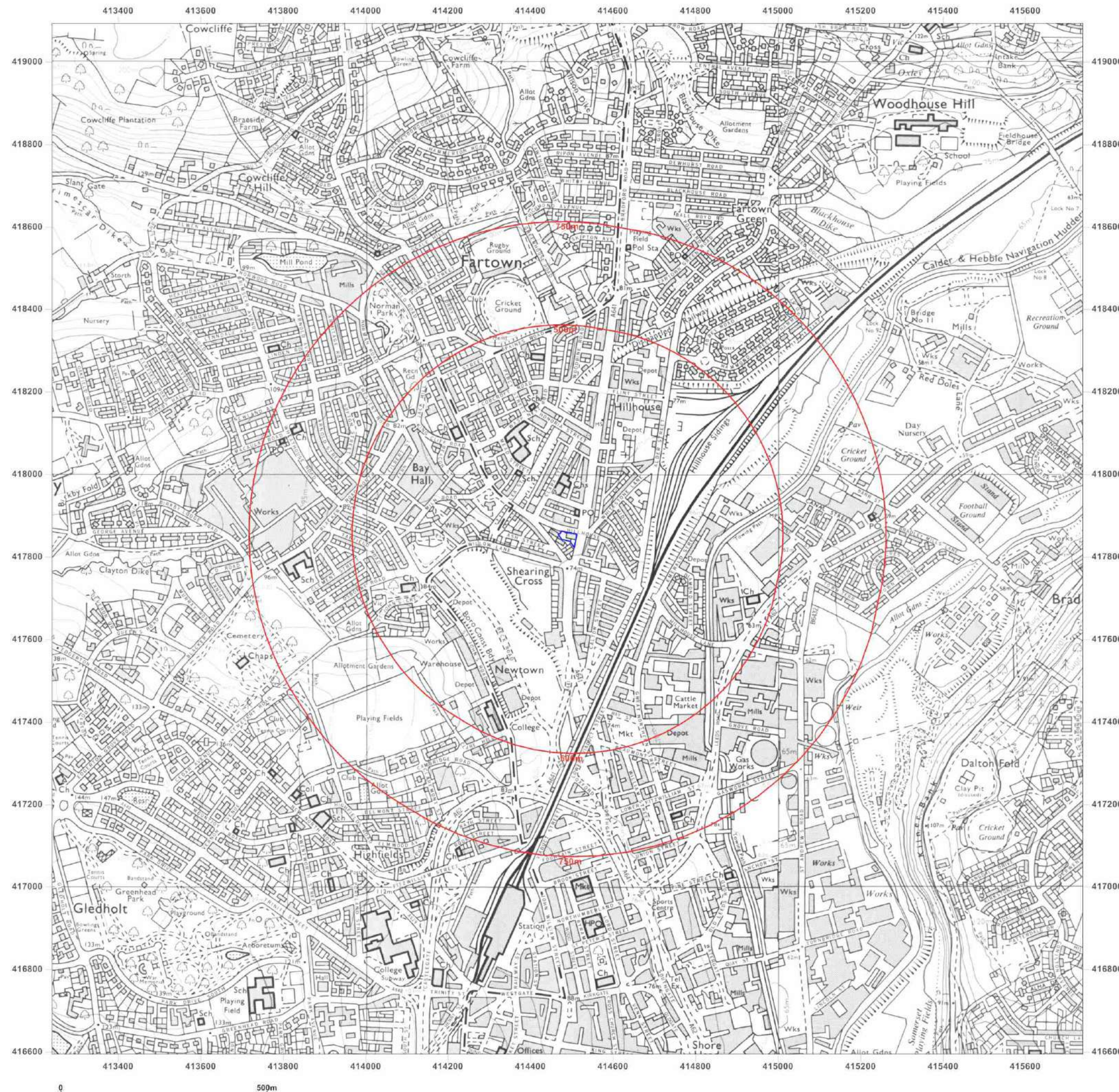


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 1985-1988

Scale: 1:10,000

Printed at: 1:10,000



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

Surveyed 1984
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A



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

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

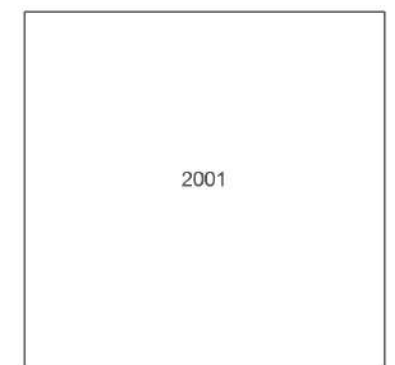
Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

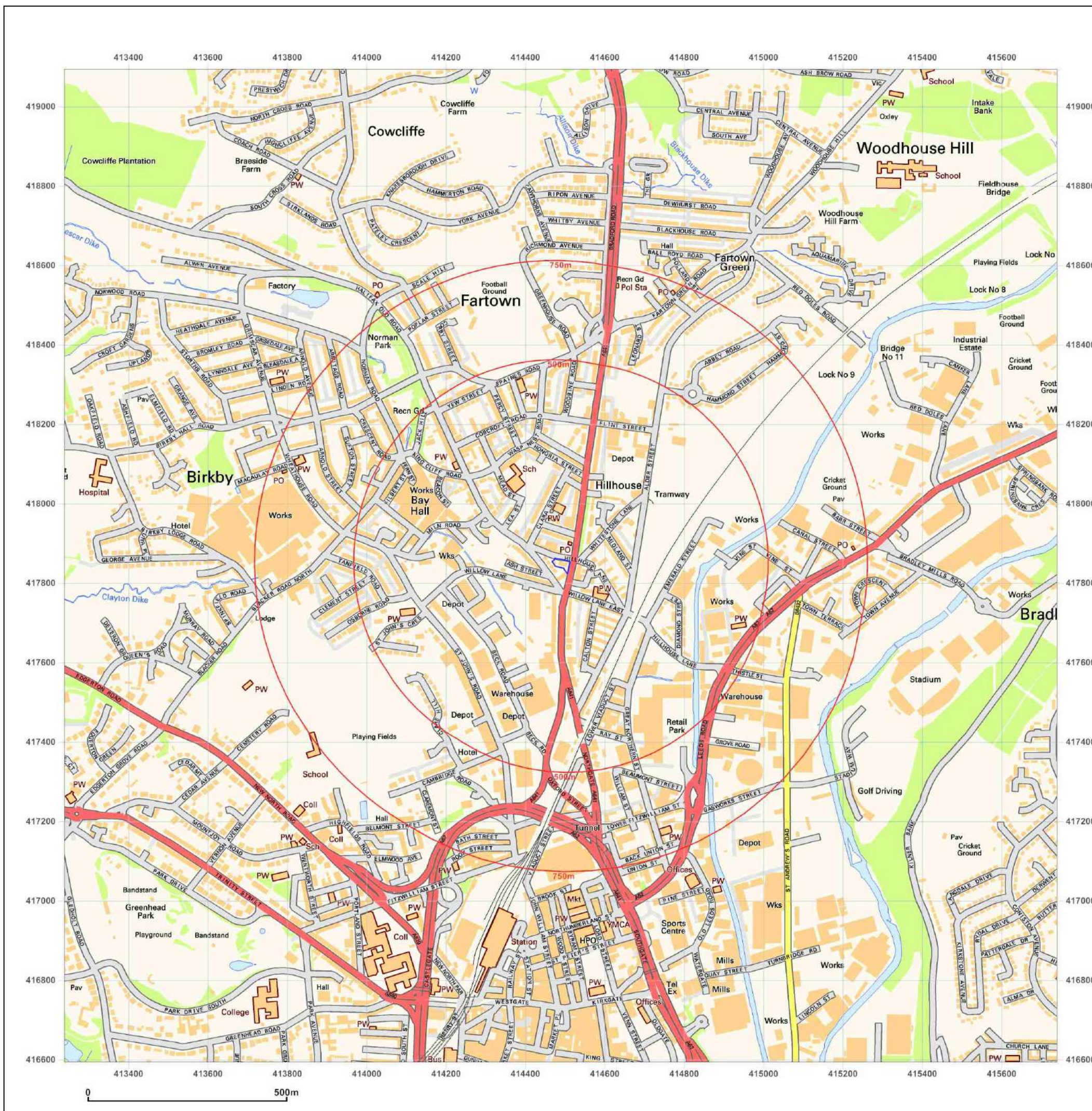


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

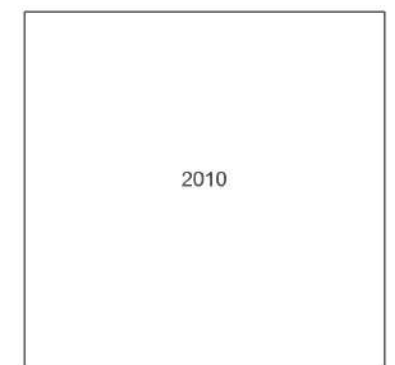
Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

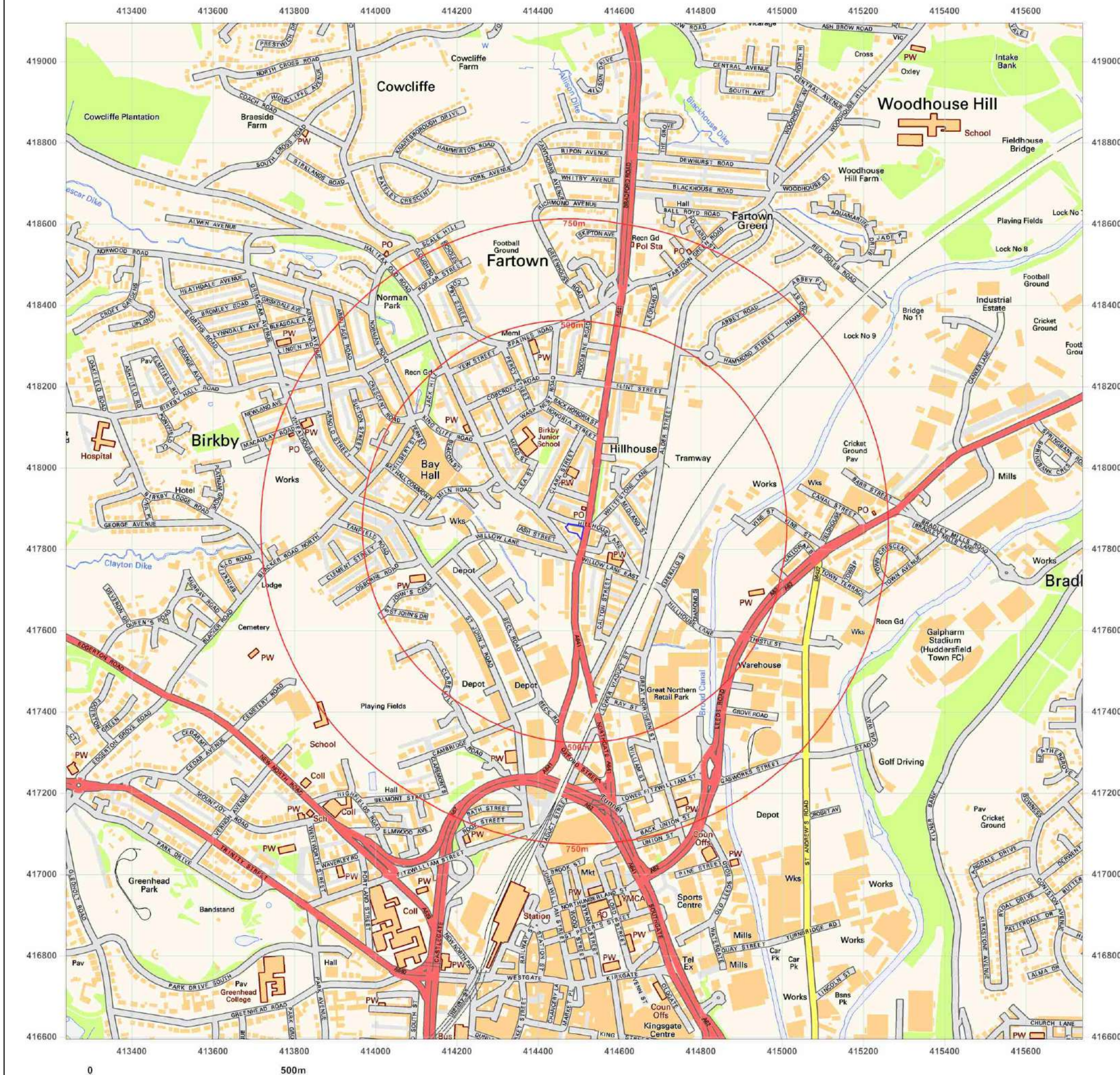


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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



Site Details:

12B NAFEEES BAKERS,
HILLHOUSE LANE, FARTOWN,
HUDDERSFIELD, HD1 6EF

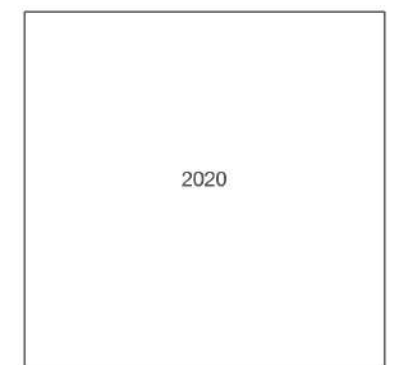
Client Ref: C389_-_12B_Hillhouse_Lane_Fartown
Report Ref: GS-6912989
Grid Ref: 414489, 417843

Map Name: National Grid

Map date: 2020

Scale: 1:10,000

Printed at: 1:10,000



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

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 24 July 2020

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

