

## **PRELIMINARY CONTAMINATION AND MINING RISK ASSESSMENT ON LAND AT HOLLINGWORTH, LITTLEBOROUGH**

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|                  |                                                                                                        |         |
|------------------|--------------------------------------------------------------------------------------------------------|---------|
| PROJECT NUMBER   | 3958                                                                                                   |         |
| PROJECT TITLE    | Hollingworth, Littleborough                                                                            |         |
| CLIENT           | Mr. Peter Williams WBW Surveyors LTD<br>Skipton Auction Market<br>Gargrave Road<br>Skipton<br>BD23 1UD |         |
| REPORT TITLE     | Preliminary Contamination and Mining Risk Assessment on Land at Hollingworth, Littleborough            |         |
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# PRELIMINARY CONTAMINATION AND MINING RISK ASSESSMENT ON LAND AT HOLLINSWORTH, LITTLEBOROUGH

## 1 INTRODUCTION

FWS Consultants Ltd (FWS) carried out a Preliminary Contamination and Mining Risk Assessment on land at Hollinsworth, Littleborough (the 'site') for Peter Williams to provide information for an agricultural building and a 3 story residential dwelling with an underground garage. The site location is shown on Drawing 3958OD01, Appendix 1.

This Preliminary Contamination Risk Assessment has been undertaken in accordance with the principles of current guidance including BS10175:2011+A1:2013 "Code of Practice for the Investigation of Potentially Contaminated Sites" (Ref. 1) and BS 5930:2015+A1:2020 "Code of Practice for Ground Investigations" (Ref. 2). This risk assessment forms the Preliminary Risk Assessment in accordance with Environment Agency guidance document Land Contamination: Risk Management Guidance 2020 (Ref. 3), the NHBC "Guidance of Land Quality" (2017) (Ref. 4) and DEFRA "Environmental Protection Act 1990: Part 2A, Contaminated Land Statutory Guidance" (2012) (Ref. 5).

The objectives of this desk study for the residential development were to:-

- assess the historical landuse, geological and hydrogeological setting;
- assess the likelihood and impact of subsurface mining
- assess the potential for contamination and ground gas;
- provide a qualitative contamination risk assessment and preliminary comment on mitigation measures;
- provide preliminary comment on ground conditions in relation to foundation design; and,
- provide recommendations on further investigations.

The following sources of information were utilised in the preparation of this report:-

- Historical Ordnance Survey Maps (Appendix 2)
- British Geological Survey, Sheet No. 76, Rochdale, 1:50,000 Solid and Drift Edition (Ref. 6)
- Envirocheck Report (Appendix 3)
- Coal Authority Mining Report, dated 17/03/2021 (Appendix 4)
- Site Walkover Inspection undertaken on 16/03/2021 (Photographs included in Appendix 5)
- BRE 211 Radon; Guidance on Protection Measures for New Dwellings.

## 2 SITE LOCATION AND DESCRIPTION

The 0.28ha site at National Grid Reference 393900E, 415380N is situated 1.7 km from Littleborough, Lancashire as shown in Drawing 3958OD01, Appendix 1.

The proposed development area of the barn and track are at an elevation of around 195 m with the proposed development area for the house being at around 193 mAOD sloping to the east. The site slopes generally down from 195 m AOD in the north to around 175 m AOD in the south and to the southwest of the site.

The site comprises three areas. The existing gated access asphalt road in the south of the site off Rakewood Road which becomes a grassed track in the north of the site with a wire fence along the eastern edge. The proposed residential development which currently comprises an area of rough grazing sloping gently to the east with an area of marsh loving plants and the proposed barn which currently comprises an agricultural pen constructed with corrugated steel sheets and posts.

The site boundaries comprise open agricultural land (See Drawings TS142-1 and 2).

No trees or invasive species were noted on site.

### 3 HISTORICAL DEVELOPMENT OF THE SITE

The site is recorded as agricultural land with a track from at least 1851 with no significant changes to the present day.

From before 1851 the area is mainly agricultural with Cleggswood farmhouse located 50 m to the east of the site with minor alterations to the present day. A coal pit/shaft located 120 m to the east of the site prior to 1851 and identified as old shaft by 1910. Hollingworth Lake is located 20 m from the southern tip of the site.

By 1893 a small structure is present 185 m to the north of the site that is identified as a tank by 1910. A further tank is identified to 90 m to the west of the site by 1930.

By 1938 a refuse heap is present 90 to 100 m to the east of the site that expands further to the south by 1961. By 1978 the refuse heap is no longer identified and by 1988 this area has become a car park with two small structures 50 to 100 m to the southeast and east of the site.

## 4 ENVIRONMENTAL SETTING

### 4.1 Geology

#### 4.1.1 Made Ground and Superficial Geology

Thin made ground is present beneath the pen to the north of the site of between 1 m to 1.5 m thick, (See drawing 3958OD02, Appendix 1). Thin glacial till, less than 5 m thick, is anticipated beneath site.

To the east of the site in area identified as landslide deposits.

#### 4.1.2 Solid Geology

The site is divided by a fault with an unknown throw. The development areas are underlain by bedrock that is expected at shallow depths and comprise sandstone of the Darwin Flags of up to 10 m thick underlain by interbedded siltstone, mudstone sandstone and coals of the Pennine Lower Coal Measures dipping to the east.

The Upper Mountain Coal (Hogards) is up to 1.1 m thick and expected at around 185 m AOD (10 m bgl beneath the development areas. It is expected to be worked through mine and crop workings.

To the south of the fault the bedrock comprises sandstone of the Milnrow Sandstone Formation expected to be up to a maximum 50 m thick.

## 4.2 Mining and Quarrying

The table below provides a summary of the Coal Authority Mining Report (Appendix 4) and the principal coal mining legacy issues.

**Table 02: Summary of Mining Legacy Issues**

| COAL MINING ISSUE                                   | YES | NO | SUMMARY RECORDS                                                                                                                                                                       |
|-----------------------------------------------------|-----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Underground coal mining (recorded at shallow depth) | ✓   |    | The site is within the likely zone of influence of workings in 2 seams of coal at depths between shallow depth to 150 m, and last worked in 1914.                                     |
| Underground coal mining (probable at shallow depth) |     | ✓  | No unrecorded workings are anticipated beneath the site.                                                                                                                              |
| Mine entries (shaft or adits)                       |     | ✓  | There are no reported mine entries on or within 20 m of the site.                                                                                                                     |
| Coal mining geology (fissures)                      | ✓   |    | There is a northwest to southeast trending fault that intersects the south to the south of the proposed buildings.                                                                    |
| Record of past mine gas emissions or potential      |     | ✓  | There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the site.                                                                     |
| Recorded coal mining surface hazard                 |     | ✓  | The Coal Authority has no records of coal mining surface hazards relating to the site or immediate surrounding area.                                                                  |
| Surface mining (opencast workings)                  |     | ✓  | The site is not located within the boundary of a historical opencast site, and does not lie within 200 m of a current opencast site, or within 800 m of a known future opencast site. |
| Other potential shallow worked minerals             |     | ✓  | There is no evidence of quarrying having been carried out on site.                                                                                                                    |

## 4.3 Hydrology and Flooding

The nearest surface water body is the Hollingworth Lake located 20 m to the southwest of the site. Hollingworth Brook is located 225 m to the east of the site.

There are no recorded surface water abstractions within 500 m of the site.

There are two discharge consents within 250 m of the site boundaries. They are located 20 m to the northwest of the site and relate to sewage/effluent discharges that are received by the land via a soakaway system.

There have been two pollution incidents to controlled waters (Hollingworth Lake) between 80 and 120 m of the site and are all classified as Category 3 Minor Incidents relating to oils and organic chemicals. None of the pollution incidents reported were associated with the site.

The site does not fall into an area of extreme flooding from rivers or sea without defences or flooding from rivers or sea without defences. However there is limited potential for groundwater flooding to occur.

## 4.4 Hydrogeology

It is anticipated that groundwater will be present within granular lenses in any cohesive superficial deposits present. The main water table is expected within the underlying sandstone bedrock.

The Environment Agency classify the bedrock as a Secondary Aquifer – A.

The Environment Agency do not have any available data for superficial deposit aquifers due to the limited deposits present.

There are no groundwater abstractions located within 500 m of the site.

The nearest groundwater Source Protection Zone is 920 m to the southwest of the site.

#### **4.5 Licenced Authorisations, Health & Safety Executive/Planning Department Information and Fuel Stations**

There are no Licenced Authorisations and H&S Executive/Planning Department Information entries within 450 m that could impact the development site.

The site is not located within an industrial/residential area and there are no fuel stations or active trade entries within 500 m of the site.

#### **4.6 Landfill Sites**

The Envirocheck Report indicates one recorded landfill, Rakewood Road/Hollingworth Lake approximately 40 to 60 m southeast of the site at National Grid Reference 393994E, 415322N which is now a country park. This landfill accepted domestic household and commercial waste and became operational in 1932, the information for when the landfill ceased operations is not supplied.

#### **4.7 Radon**

Current guidance (Ref. 7) on protective measures for new buildings indicates that the site does not fall within an area for which basic or full radon protection measures should be provided. The property is in a lower probability radon area, as less than 1% of buildings are above the action level.

#### **4.8 Ecological Receptors and Sensitive Landuse**

There are no nature reserves within 250m of the site.

There are no ecological receptors or sensitive land uses within 250 m of the site.

#### **4.9 Landslides**

There is a moderate to high risk of landslide ground stability hazards 10 to 35 m to the northeast and east of the site.

### **5 PREVIOUS INVESTIGATIONS**

No records of previous ground investigation are available for this site.

## 6 ENVIRONMENTAL ASSESSMENT AND CONCEPTUAL SITE MODEL

### 6.1 Conceptual Site Model

The approach to contamination risk assessment is detailed in Appendix 6. Presented below is a Preliminary Conceptual Site Model (CSM) for the proposed residential and agricultural development, that has been prepared in accordance with current guidance (Ref. 3). A schematic CSM of the site is presented in Drawing 3958OD03, Appendix 1.

#### **Development**

The site is to be developed with a single residential dwelling with an underground garage and a new agricultural barn to replace the existing pen positioned to the north of site as shown on Client's Drawing TS142SL-1, Appendix 1.

#### **Previous Land Use and Potential Contamination**

The site has been used for agricultural use for its entire known history.

Potential contaminants identified by this desk study are summarised in the table below and are illustrated in the schematic conceptual site model Drawing 3958OD03, Appendix 1:-

**Table 03: Potential Contamination Sources**

| Source of Potential Hazard/Pollutant |    |                                             | Potential Contaminants                                                                 |
|--------------------------------------|----|---------------------------------------------|----------------------------------------------------------------------------------------|
| Onsite                               | H1 | Made Ground                                 | Heavy metals, asbestos, ph, sulphate, hydrocarbons, fertilisers pesticides, herbicides |
| Offsite                              | H2 | Ground Gas from Landfill                    | CO <sub>2</sub> and CH <sub>4</sub>                                                    |
|                                      | H3 | Ground Gas from coal workings/offsite shaft | CO <sub>2</sub> and CH <sub>4</sub>                                                    |

In view of the agricultural land use prior to the current development being a pen for agricultural use and a farmhouse to the west of site there is a low risk of significant contaminants being present on site. As the adjacent area has comprised agricultural land prior to residential development, no significant contamination is expected adjacent to the site. There is, however significant risk from landfill situated to the east of the site, and mine gas from coal workings below and in the vicinity of the site.

#### **Ground and Groundwater Conditions**

Thin made ground is expected beneath the agricultural pen in the north of the site. The superficial deposits underlying the site are predicted to be thin (<5 m ) till. Bedrock is expected to comprise the Darwen Flags Member (sandstone) of the Pennine Lower Coal Measures.

Groundwater is not expected at shallow depths within the cohesive superficial strata. The main water table is expected at depth within the underlying sandstone bedrock.

#### **Environmental Considerations**

The superficial deposits below the site are unclassified due to the absence of data available and the underlying Pennine Lower Coal Measures are classified as a Secondary A Aquifer.

Hollingworth lake is located 20 m southeast of site and an Hollingworth Beck 220 m east of site.

The nearest Groundwater Source Protection Zone is 920 m to the southwest of the site.

## 6.2 Receptor Characterisation

The following potential receptors are anticipated for the proposed development, as illustrated in the schematic CSM Drawing 3958OD03, Appendix 1:-

**Table 4: Receptor Characterisation**

| Part 2A Classification | Group |                             | Receptor                                                                                                                                                                                                                                          |
|------------------------|-------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part 2A Receptors      | R1    | Human Health                | Future site endusers                                                                                                                                                                                                                              |
|                        |       |                             | Residents/Site users of adjacent properties                                                                                                                                                                                                       |
|                        | R2    | Property                    | Proposed residential and agricultural development                                                                                                                                                                                                 |
|                        |       |                             | Existing buildings                                                                                                                                                                                                                                |
|                        |       |                             | Services                                                                                                                                                                                                                                          |
|                        | R3    | Controlled Waters           | Rivers/Surface water -<br>Hollingworth Lake 20 m south of site Hollingworth Breck 220 m east of site                                                                                                                                              |
|                        | R4    |                             | Lower Coal Measures Formation is classified as a 'Secondary A Aquifer'<br>Groundwaters in the Secondary A Aquifer are likely to be of poor quality due to extensive mining in the area.<br>Superficial deposits unclassified due to lack of data. |
| Non Part 2A Receptors  | R5    | Construction workers        |                                                                                                                                                                                                                                                   |
|                        | R6    | Plants and landscaped areas |                                                                                                                                                                                                                                                   |

## 6.3 Pathway Characterisation

This desk study has identified the following potential pathways, which are illustrated in the schematic CSM Drawing 3958OD03, Appendix 1:-

**Table 05: Pathway Characterisation**

| Pathway |                                                                                                          | Receptor                         |
|---------|----------------------------------------------------------------------------------------------------------|----------------------------------|
| P1      | Inhalation, ingestion and dermal contact of contaminated soils, harmful mine gas and/or landfill vapours | Human Health                     |
| P2      | Direct contact with contaminated soils or groundwater that can be absorbed by the plant.                 | Plants                           |
| P3      | Soil gas or soil vapours pooling within the structures                                                   | Buildings, Property and Services |
| P2      | Contact with aggressive or acidic soils or hydrocarbon contaminated soils                                |                                  |
| P4      | Leaching of contaminants from the soil migrating vertically or laterally to groundwater                  | Controlled Waters                |
|         | Movement of contaminants via groundwater to surface water bodies                                         |                                  |
|         | Surface water runoff into surface water bodies                                                           |                                  |

## 7 PRELIMINARY CONTAMINATION RISK ASSESSMENT

Based on the CSM presented above and illustrated in Drawing 3958OR03, Appendix 1, the following potential contaminant linkages and unacceptable risks have been identified including:

- Migration of ground and/or mine gas vapours from nearby historical mine workings and landfills that could impact the human health of the end user and/or workers involved with the construction of the development.
- Potential CH<sub>4</sub> or CO<sub>2</sub> emissions from the made ground predicted on the site of the existing agricultural pen.

Therefore, further action is recommended as detailed in Section 10.

## 8 IDENTIFICATION AND ASSESSMENT OF SITE SPECIFIC COAL MINING RISK

### 8.1 Assessment of Mineral Instability

The coal mining risk assessment has been undertaken in accordance with the principles of current guidance including the Coal Authority's guidance document "Risk Based Approach to Development Management - Resources for Developers Version 4" (2017) (Ref. 8) and CIRIA "C758 Abandoned Mine Workings Manual" (2019) (Ref. 9).

#### 8.1.1 Underground Coal Workings

Surface settlement above areas of total coal extraction (goaf) is typically rapid and can generally be assumed to be complete after a certain period. Settlement above pillar and stall workings, or old roadways, can be sudden and abrupt; and can occur long after abandonment, sometimes creating surface features known as crown-holes. It is generally considered that a cover of competent rock strata equivalent to ten times the height of the working provides adequate protection against crown-hole development (Ref. 10). Less rock cover can be adequate in certain circumstances (e.g. if the rock cover is particularly strong). Drift deposits give less protection than competent rock, and depending on the nature of the drift material (e.g. whether stiff boulder clay or running sand) considerably more cover may be needed to minimise the risk of surface ground movement. Where mining is identified within seams of less than 1 m thickness, it has been assumed that the minimum working height will be 1 m, otherwise the working height is assumed to be the seam thickness unless otherwise identified.

**Table 06: Mineral Instability Risk Assessment**

| Seam Name                | Seam Description                                                                                                                                                                                                                       | Workings                                                                                                                                                 | Assessment of Risk                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upper Mountain (Hogards) | This seam is shown to outcrop around 65 m to the south/southeast and 480 to the northwest at of the proposed development area and is expected to be at an elevation of around 185 mAOD (8 to 10 m bgl). The seam is up to 1.1 m thick. | The seam is expected to be worked at shallow depth by pillar and stall methods from a shaft 100 m to the southeast of the site and through crop workings | The cover of competent rock strata is around 8 to 11 m which is less than ten times the height of the possible workings. As such, unrecorded workings in this seam will present a medium to high risk of mineral instability to the proposed development. |
| Un-named seam            | This seam is shown to outcrop 130 m to the south east at an elevation of 165 m AOD. It is calculated to be below the site at an elevation of around 134 mAOD (60 m bgl). It is up to 0.5 m thick.                                      | The seam is expected to be worked by pillar and stall methods and through crop workings where exposed                                                    | The cover of competent rock strata is approximately 50 m. This is greater than ten times the possible workings. As such, workings in this seam will not present a risk of mineral instability to the proposed development                                 |

### 8.2 Assessment of Mine Gas Risk

Based on the Coal Authority report (Appendix 4), the presence of recorded shallow mine workings, and the presence of mine shafts 100 m to the southeast of the site and a fault located to the south of the development area, there is a medium risk of mine gas emission within the site boundary.

## 9 PRELIMINARY COMMENTS ON ENGINEERING DESIGN

### 9.1 Foundation Design

The site is expected to be underlain by thin made ground in the north of the site at the location of the current agricultural pen and then thin Glacial Till and, therefore, normal shallow strip foundations may be suitable for lightly loaded structures. Where thin made ground is expected in the north of the site, foundations should be taken below this material into the underlying firm to stiff cohesive Till.

The site is in an area that could be potentially affected by shallow mine workings at a depth of around 8 to 10 m bgl. Mitigation measures may be required prior to development.

Consideration of the slope along the eastern site boundary will be required prior to development. The site slopes from around 195 and 193 m AOD to approximately 180 m AOD about 100 m to the east of the site and has been identified as being at a low to high risk from landslip.

### 9.2 Infiltration Drainage

Cohesive Glacial Till deposits, of potentially low permeability, are expected across the whole site. These soils are unlikely to be suitable for infiltration drainage systems.

## 10 RECOMMENDATIONS FOR GROUND INVESTIGATION

The following investigations are proposed to address the potentially significant risks identified in this report and also provide geotechnical information for design purposes.

- Investigate the ground and groundwater conditions to prove the thickness of the general made ground and superficial deposits across the site.
- Carry out chemical testing of the general made ground materials and superficial deposits.
- Carry out gas monitoring of the superficial deposits to establish the gas risk from the underlying coal measures/workings and the offsite landfill.
- Prove the depth to competent founding strata.
- Investigate the shallow coal seam for depth, thickness and condition of the Upper Mountain Coal workings beneath the proposed buildings.
- Slope stability assessment of the slope to the east of the site.



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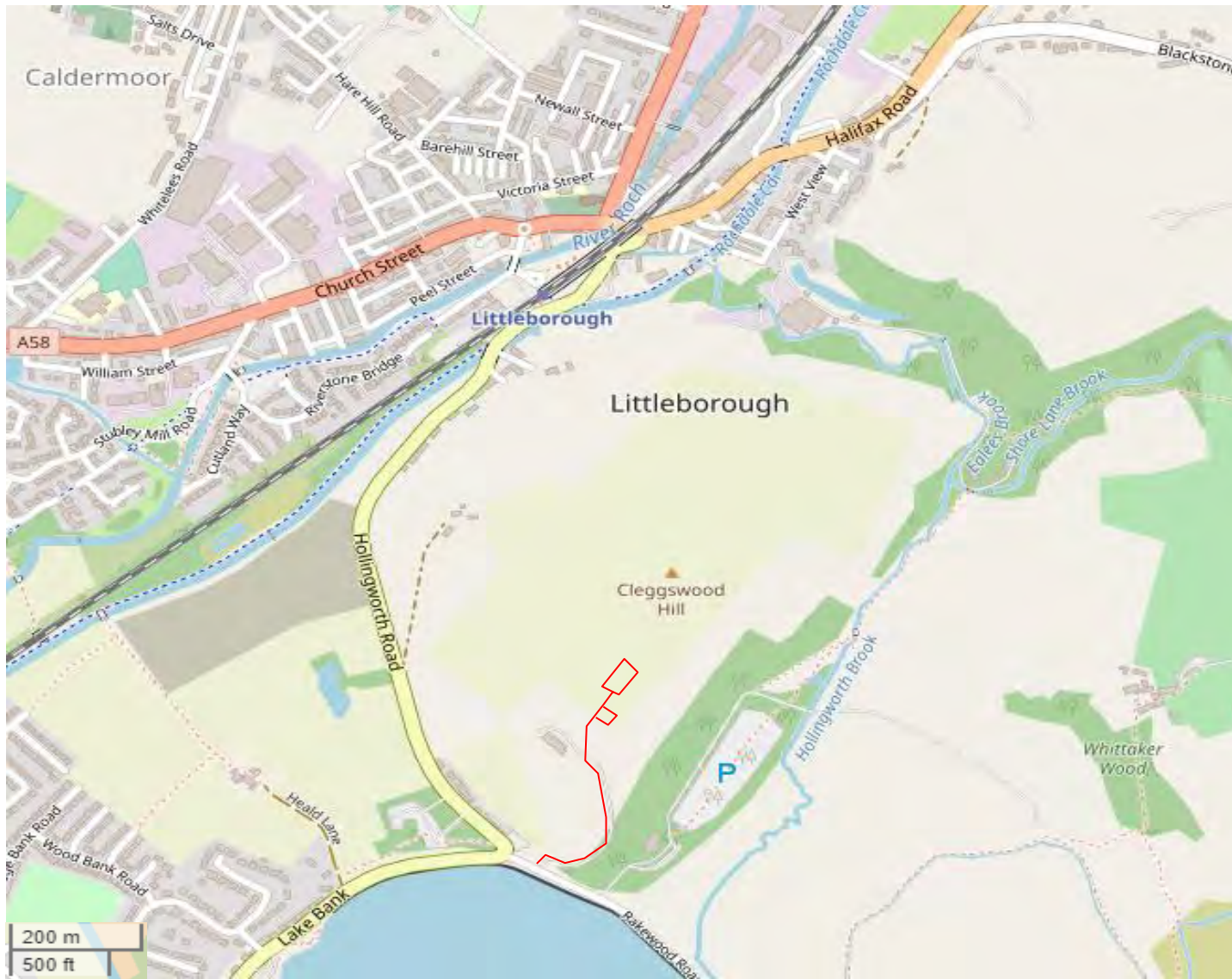


## 11 REFERENCES

- 1 British Standard, 2011. BS10175:2011+A1:2013 Code of Practice for Investigation of Potentially Contaminated Sites
- 2 British Standard, 2010. BS 5930:2015+A1:2020, Code of Practice for Ground Investigations
- 3 Environment Agency, 2020. Land Contamination: Risk Management.
- 4 NHBC, 2017. Guidance of Land Quality
- 5 DEFRA, 2012. Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance
- 6 British Geological Survey, 23/03/2021. Sheet 76, Rochdale, 1:50,000 Solid and Drift Edition
- 7 IHS BRE Press, 2015. Radon: Guidance on Protective Measures for New Buildings, BR 211
- 8 Coal Authority, 2012. Risk Based Approach to Development Management Resources for Developers
- 9 CIRIA, 2019. C758 Abandoned Mine Workings Manual.

# **APPENDIX 1**

## **DRAWINGS**



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#### NOTES / KEY

SITE LOCATION —

#### DRAWING TITLE

SITE LOCATION PLAN

#### PROJECT TITLE

PRELIMINARY CONTAMINATION RISK ASSESSMENT  
ON LAND AT HOLLINGWORTH, LITTLEBOROUGH

#### CLIENT

MR. PETER WILLIAMS

#### STATUS

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#### DRAWN BY

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AS SHOWN

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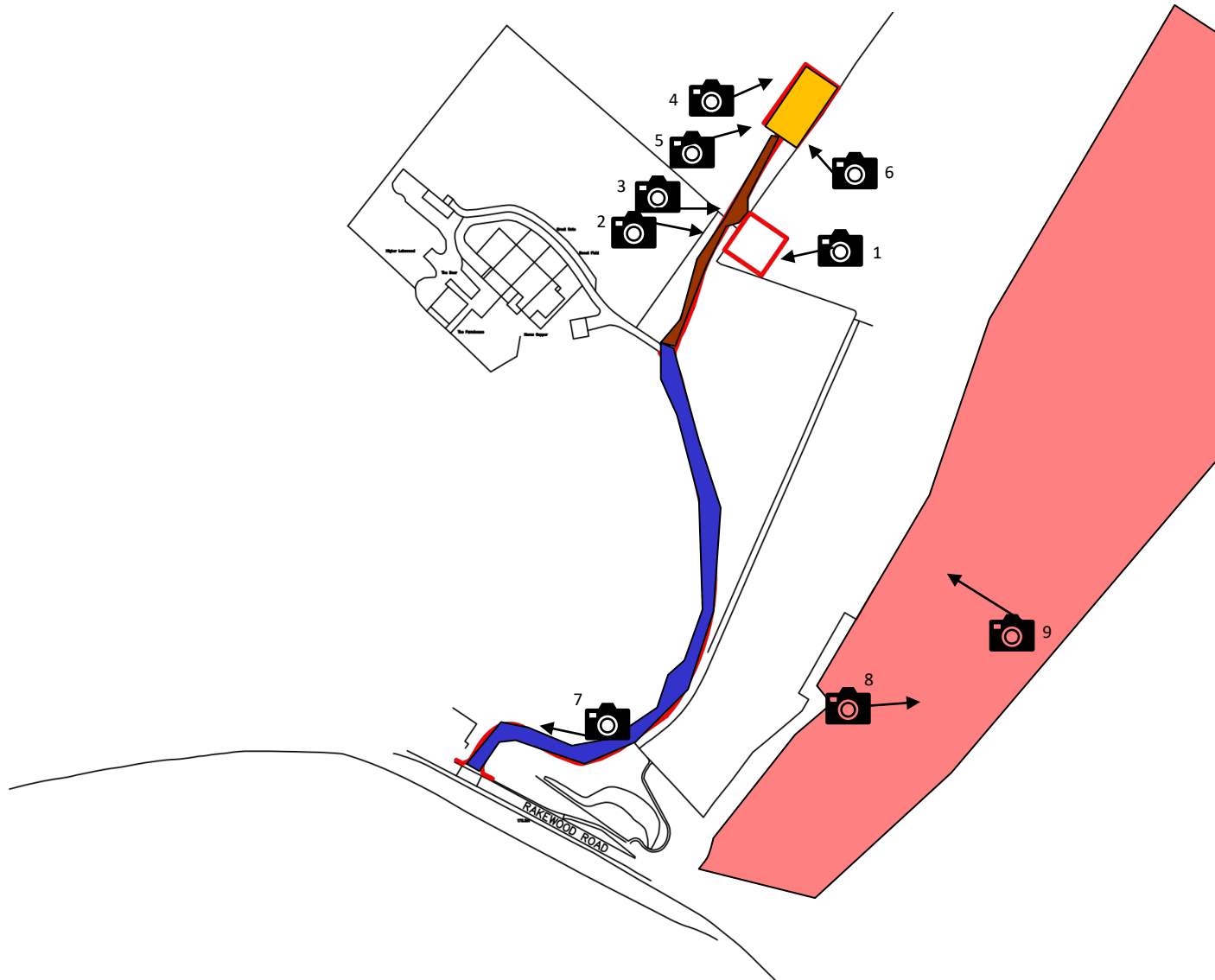
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#### NOTES / KEY

|               |  |
|---------------|--|
| Site Boundary |  |
| Made Ground   |  |
| Dirt Road     |  |

|                     |  |
|---------------------|--|
| Historical Landfill |  |
| Asphalt             |  |

#### DRAWING TITLE

SITE FEATURES

#### PROJECT TITLE

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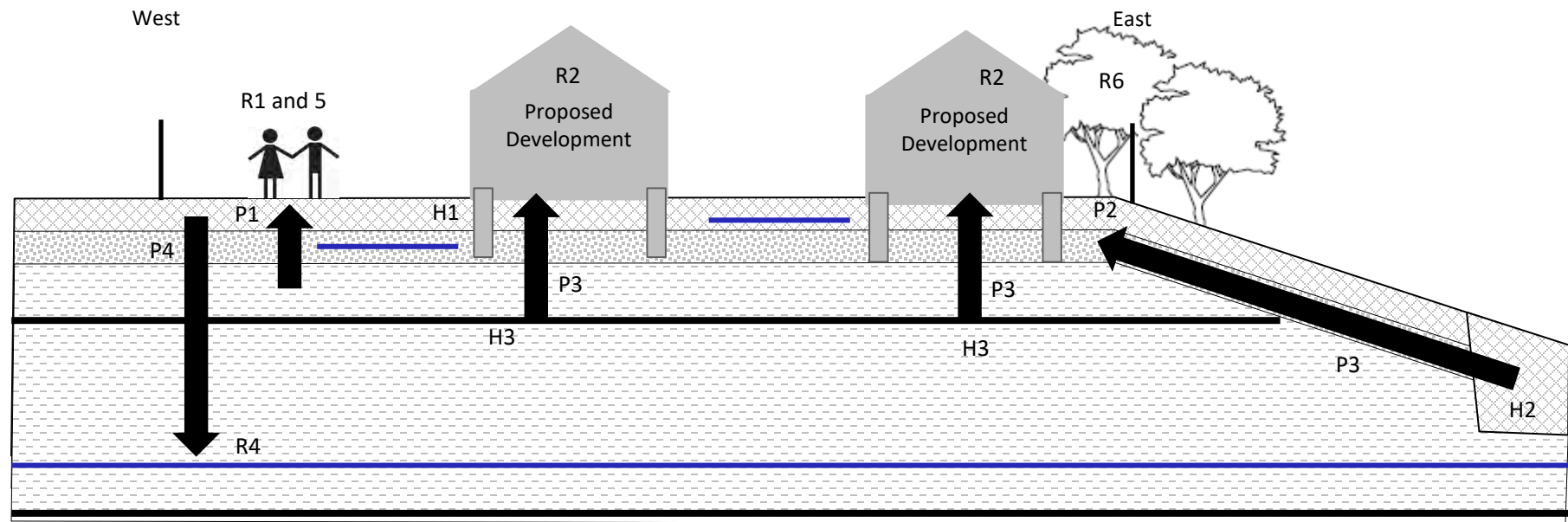
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| Hazard / Pollutant |                                                          | Pathway  |                                                                                                    | Receptor       |                                                                                        | Severity of Consequence | Probability of Occurrence | Level of Risk |
|--------------------|----------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------|-------------------------|---------------------------|---------------|
| H1                 | Localised contamination with topsoil / thin made ground  | P1       | Inhalation, ingestion and dermal contact                                                           | R1<br>R5       | Future End Users<br>Construction Workers                                               | Medium                  | Likely                    | Moderate      |
|                    |                                                          | P2       | Direct contact                                                                                     | R6             | Plants/Landscaping                                                                     | Mild                    | Low Likelihood            | Very Low      |
|                    |                                                          | P4       | Leaching of contaminants vertically or laterally to groundwater                                    | R3<br>R4       | Perched Groundwaters<br>Secondary A Aquifer                                            | Mild                    | Low Likelihood            | Very Low      |
| H2                 | Gases originating from historical landfill or mine shaft | P1<br>P3 | Inhalation, ingestion and dermal contact<br>Soil gas or soil vapours pooling within the structures | R2             | Property (Human Health in confined spaces)                                             | Medium                  | Low Likelihood            | Low           |
| H3                 | Mine gas emissions                                       | P1<br>P3 | Inhalation, ingestion and dermal contact<br>Soil gas or soil vapours pooling within the structures | R1<br>R2<br>R5 | Future End Users<br>Property (Human Health in confined spaces)<br>Construction Workers | Medium                  | High Likelihood           | High          |

#### NOTES / KEY



THIN MADE GROUND

GLACIAL TILL

LOWER COAL MEASURES



COAL SEAM/WORKINGS

#### DRAWING TITLE

CONCEPTUAL SITE MODEL AND PRELIMINARY  
RISK ASSESSMENT

#### PROJECT TITLE

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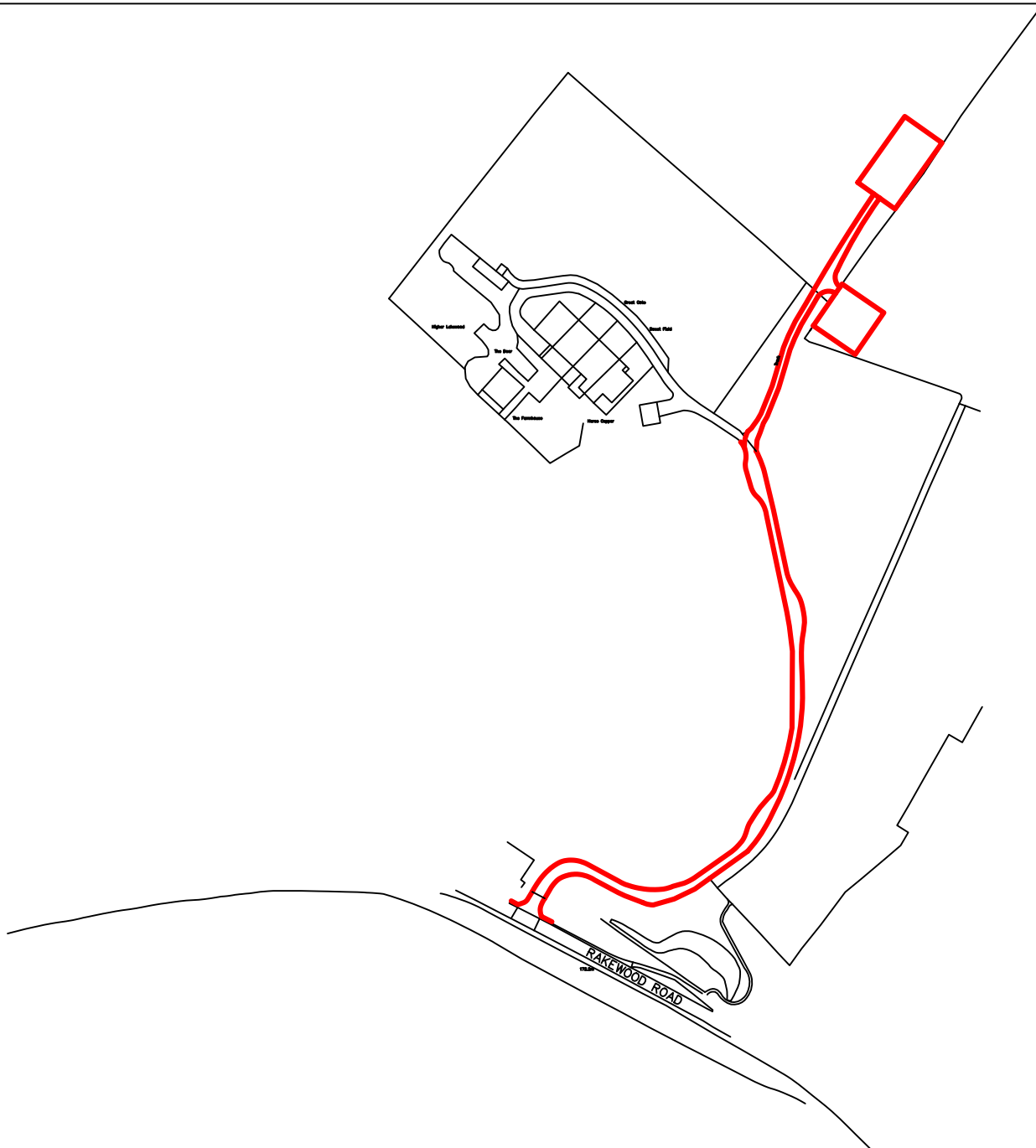
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Meadowfield Industrial Estate  
Durham  
County Durham  
DH7 8ER

Tel: 01388 420633

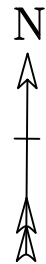
admin@fwsconsultants.com www.fwsconsultants.com



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WBW Surveyors Ltd  
Skipton Auction Mart  
Gargrave Road  
Skipton, BD23 1UD  
T: 01756 692900  
F: 01756 692901  
E: info@wbwsurveyors.co.uk



Dwg No.: TS142-2

Revision:

Client: H Ashworth

Address: Rakewood Rd  
Littleborough  
OL15 0AZ

Project:

Title: Site Location Plan

Date: 08 January 2021

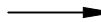
Drawn by: T Simpkins



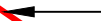
SCALE 1:2500

Sheet Size A4

Agricultural Building



Farm Workers Dwelling



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Gargrave Road  
Skipton, BD23 1UD  
T: 01756 692900  
F: 01756 692901  
E: info@wbwsurveyors.co.uk



Dwg No.: TS142-1

Revision:

Client: H Ashworth

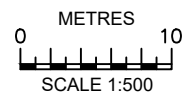
Address: Rakewood Rd  
Littleborough  
OL15 0AZ

Project:

Title: Site Plan

Date: 08 January 2021

Drawn by: T Simpkins



Sheet Size A4

## **APPENDIX 2**

### **RECENT AND HISTORICAL OS MAPS**



# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

|  |                                               |  |                             |  |               |
|--|-----------------------------------------------|--|-----------------------------|--|---------------|
|  | Gravel Pit                                    |  | Sand Pit                    |  | Other Pits    |
|  | Quarry                                        |  | Shingle                     |  | Orchard       |
|  | Osiers                                        |  | Reeds                       |  | Marsh         |
|  | Mixed Wood                                    |  | Deciduous                   |  | Brushwood     |
|  | Fir                                           |  | Furze                       |  | Rough Pasture |
|  | Arrow denotes flow of water                   |  | Trigonometrical Station     |  |               |
|  | Site of Antiquities                           |  | Bench Mark                  |  |               |
|  | Pump, Guide Post, Signal Post                 |  | Well, Spring, Boundary Post |  |               |
|  | •285 Surface Level                            |  |                             |  |               |
|  | Sketched Contour                              |  | Instrumental Contour        |  |               |
|  | Main Roads                                    |  | Minor Roads                 |  |               |
|  | Sunken Road                                   |  | Raised Road                 |  |               |
|  | Road over Railway                             |  | Railway over River          |  |               |
|  | Railway over Road                             |  | Level Crossing              |  |               |
|  | Road over River or Canal                      |  | Road over Stream            |  |               |
|  | Road over Stream                              |  |                             |  |               |
|  | County Boundary (Geographical)                |  |                             |  |               |
|  | County & Civil Parish Boundary                |  |                             |  |               |
|  | Administrative County & Civil Parish Boundary |  |                             |  |               |
|  | County Borough Boundary (England)             |  |                             |  |               |
|  | County Burgh Boundary (Scotland)              |  |                             |  |               |
|  | Rural District Boundary                       |  |                             |  |               |
|  | Civil Parish Boundary                         |  |                             |  |               |

## Ordnance Survey Plan 1:10,000

|  |                                                                       |  |                                                         |
|--|-----------------------------------------------------------------------|--|---------------------------------------------------------|
|  | Chalk Pit, Clay Pit or Quarry                                         |  | Gravel Pit                                              |
|  | Sand Pit                                                              |  | Disused Pit or Quarry                                   |
|  | Refuse or Slag Heap                                                   |  | Lake, Loch or Pond                                      |
|  | Dunes                                                                 |  | Boulders                                                |
|  | Coniferous Trees                                                      |  | Non-Coniferous Trees                                    |
|  | Orchard                                                               |  | Scrub                                                   |
|  | Bracken                                                               |  | Heath                                                   |
|  | Marsh                                                                 |  | Reeds                                                   |
|  | Building                                                              |  | Glasshouse                                              |
|  | Sloping Masonry                                                       |  | Pylon                                                   |
|  | Cutting                                                               |  | Embankment                                              |
|  | Road Under                                                            |  | Road Over                                               |
|  | Level Crossing                                                        |  | Foot Bridge                                             |
|  | Standard Gauge Multiple Track                                         |  | Standard Gauge Single Track                             |
|  | Siding, Tramway or Mineral Line                                       |  | Narrow Gauge                                            |
|  | Geographical County                                                   |  | Administrative County, County Borough or County of City |
|  | Municipal Borough, Urban or Rural District, Burgh or District Council |  | Borough, Burgh or County Constituency                   |
|  | Civil Parish                                                          |  |                                                         |
|  | BP, BS Boundary Post or Stone                                         |  | Police Station                                          |
|  | Church                                                                |  | Post Office                                             |
|  | Club House                                                            |  | Public Convenience                                      |
|  | Fire Engine Station                                                   |  | Public House                                            |
|  | Foot Bridge                                                           |  | Signal Box                                              |
|  | Fountain                                                              |  | Spring                                                  |
|  | Guide Post                                                            |  | Telephone Call Box                                      |
|  | Mile Post                                                             |  | Telephone Call Post                                     |
|  | Mile Stone                                                            |  | Well                                                    |

## 1:10,000 Raster Mapping

|  |                                                          |  |                                            |
|--|----------------------------------------------------------|--|--------------------------------------------|
|  | Gravel Pit                                               |  | Refuse tip or slag heap                    |
|  | Rock                                                     |  | Rock (scattered)                           |
|  | Boulders                                                 |  | Boulders (scattered)                       |
|  | Shingle                                                  |  | Mud                                        |
|  | Sand                                                     |  | Sand Pit                                   |
|  | Slopes                                                   |  | Top of cliff                               |
|  | General detail                                           |  | Underground detail                         |
|  | Overhead detail                                          |  | Narrow gauge railway                       |
|  | Multi-track railway                                      |  | Single track railway                       |
|  | County boundary (England only)                           |  | Civil, parish or community boundary        |
|  | District, Unitary, Metropolitan, London Borough boundary |  | Constituency boundary                      |
|  | Area of wooded vegetation                                |  | Non-coniferous trees                       |
|  | Non-coniferous trees (scattered)                         |  | Coniferous trees                           |
|  | Coniferous trees (scattered)                             |  | Positioned tree                            |
|  | Orchard                                                  |  | Coppice or Osiers                          |
|  | Rough Grassland                                          |  | Heath                                      |
|  | Scrub                                                    |  | Marsh, Salt Marsh or Reeds                 |
|  | Water feature                                            |  | Flow arrows                                |
|  | Mean high water (springs)                                |  | Mean low water (springs)                   |
|  | Telephone line (where shown)                             |  | Electricity transmission line (with poles) |
|  | Bench mark (where shown)                                 |  | Triangulation station                      |
|  | Point feature (e.g. Guide Post or Mile Stone)            |  | Pylon, flare stack or lighting tower       |
|  | Site of (antiquity)                                      |  | Glasshouse                                 |
|  | General Building                                         |  | Important Building                         |

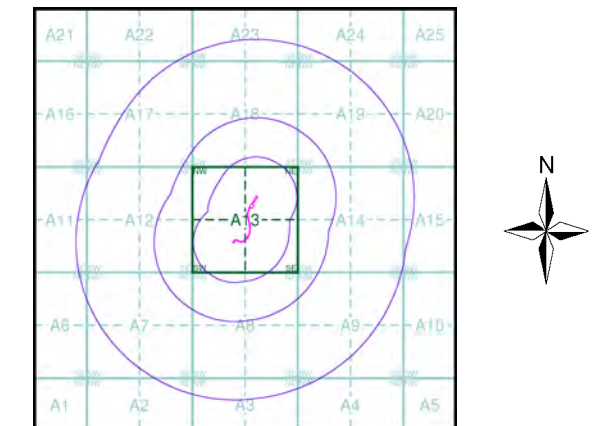
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## Historical Mapping & Photography included:

| Mapping Type           | Scale    | Date        | Pg |
|------------------------|----------|-------------|----|
| Lancashire And Furness | 1:10,560 | 1851        | 2  |
| Yorkshire              | 1:10,560 | 1854        | 3  |
| Yorkshire              | 1:10,560 | 1894 - 1895 | 4  |
| Lancashire And Furness | 1:10,560 | 1894 - 1895 | 5  |
| Yorkshire              | 1:10,560 | 1910 - 1911 | 6  |
| Lancashire And Furness | 1:10,560 | 1910 - 1911 | 7  |
| Yorkshire              | 1:10,560 | 1910 - 1911 | 8  |
| Lancashire And Furness | 1:10,560 | 1930 - 1932 | 9  |
| Lancashire And Furness | 1:10,560 | 1938        | 10 |
| Ordnance Survey Plan   | 1:10,000 | 1956        | 11 |
| Ordnance Survey Plan   | 1:10,000 | 1967 - 1968 | 12 |
| Ordnance Survey Plan   | 1:10,000 | 1972 - 1979 | 13 |
| Ordnance Survey Plan   | 1:10,000 | 1980 - 1981 | 14 |
| Ordnance Survey Plan   | 1:10,000 | 1990        | 15 |
| 10K Raster Mapping     | 1:10,000 | 1999        | 16 |
| Street View            | Variable |             | 17 |

## Historical Map - Slice A



## Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

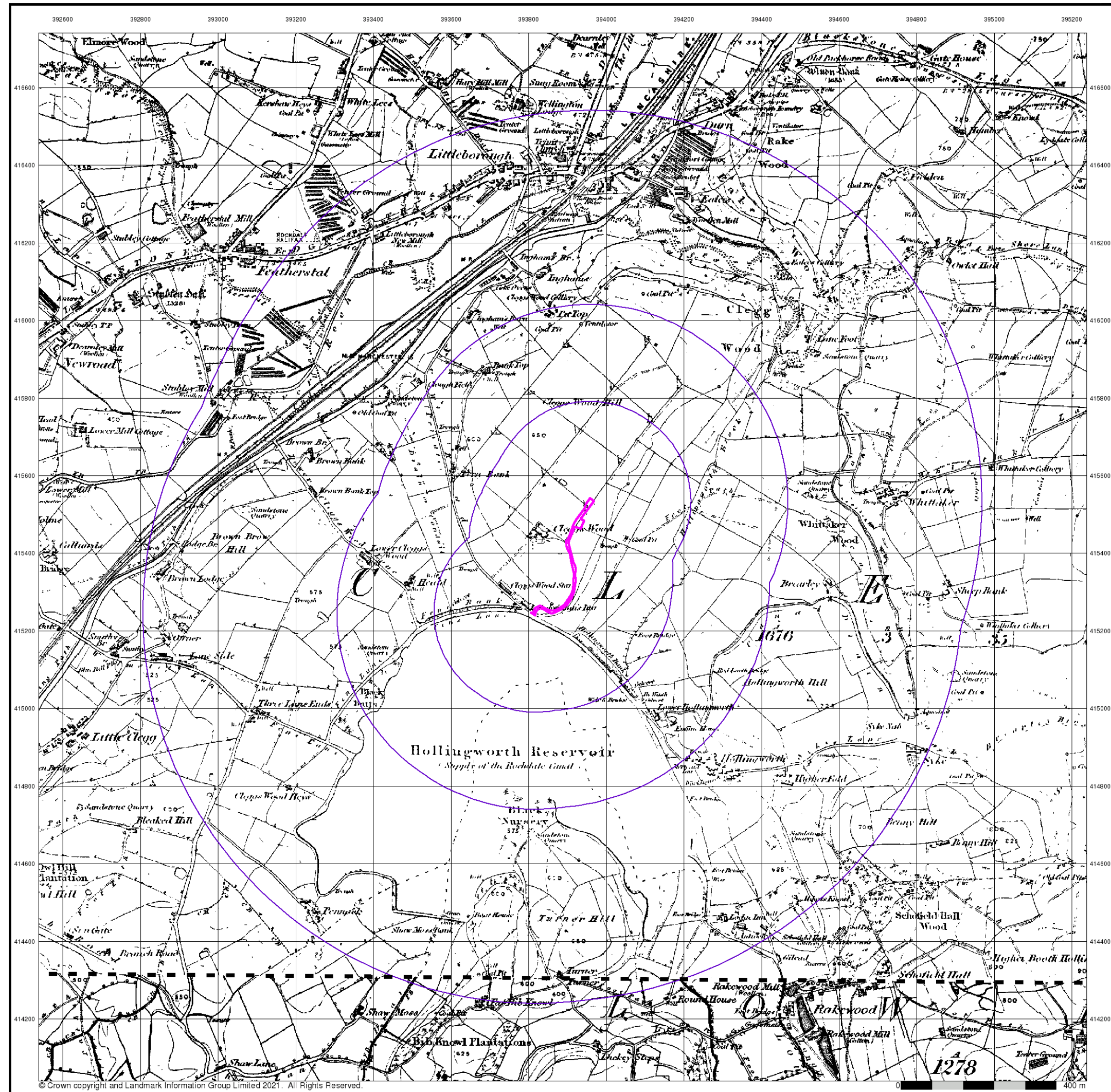
## Site Details

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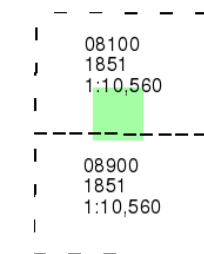
## Lancashire And Furness

Published 1851

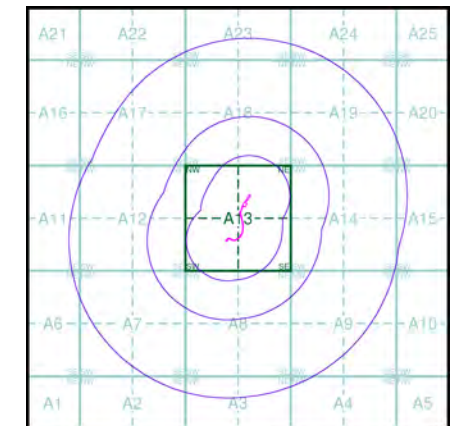
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

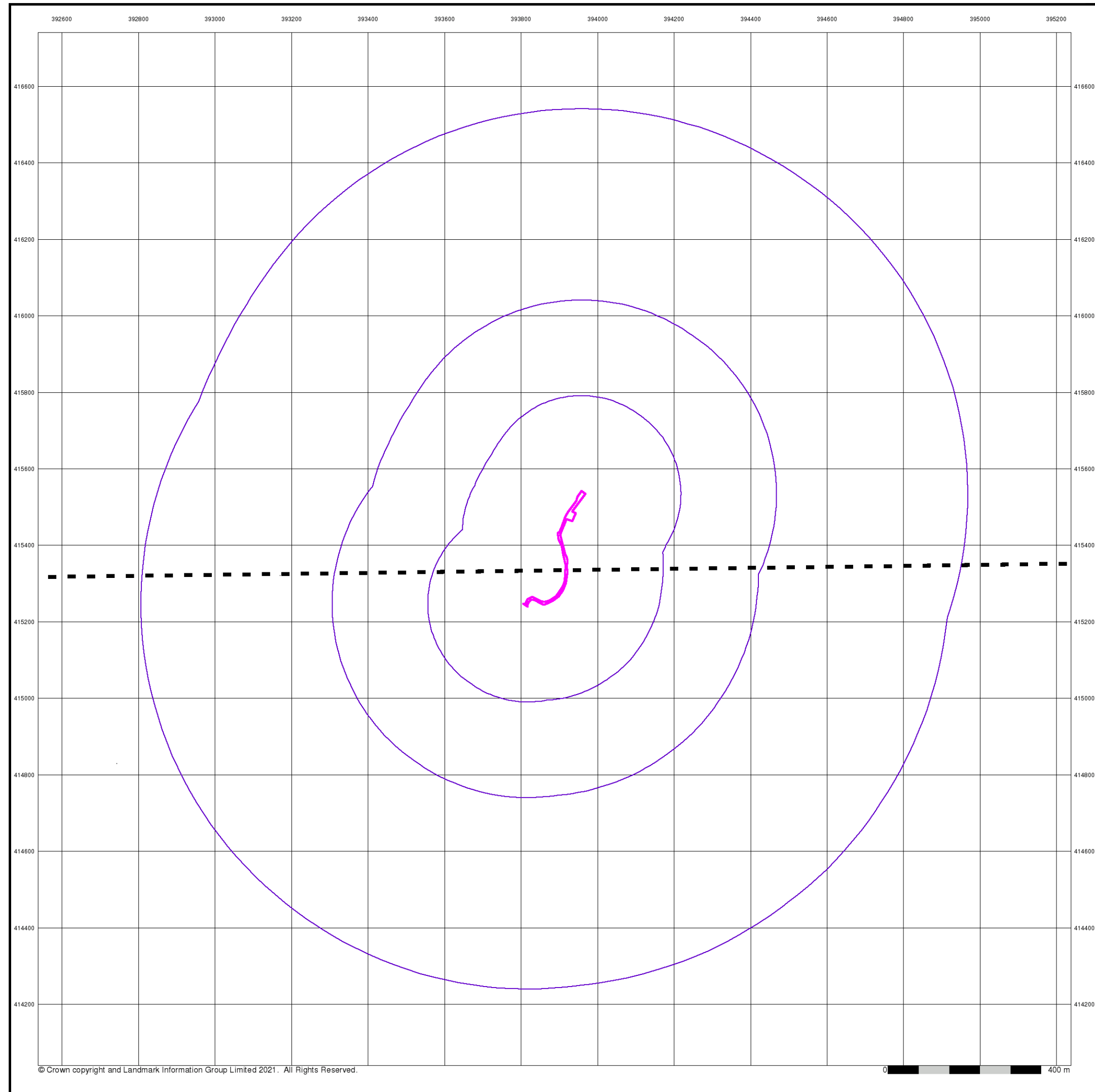
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Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

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## Yorkshire

### Published 1854

### Source map scale - 1:10,560

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#### Map Name(s) and Date(s)

24400  
1854  
1:10,560

25800  
1854  
1:10,560

#### Historical Map - Slice A

#### Order Details

|                          |                |
|--------------------------|----------------|
| Order Number:            | 275128498_1_1  |
| Customer Ref:            | 3958           |
| National Grid Reference: | 393900, 415380 |
| Slice:                   | A              |
| Site Area (Ha):          | 0.28           |
| Search Buffer (m):       | 1000           |

#### Site Details

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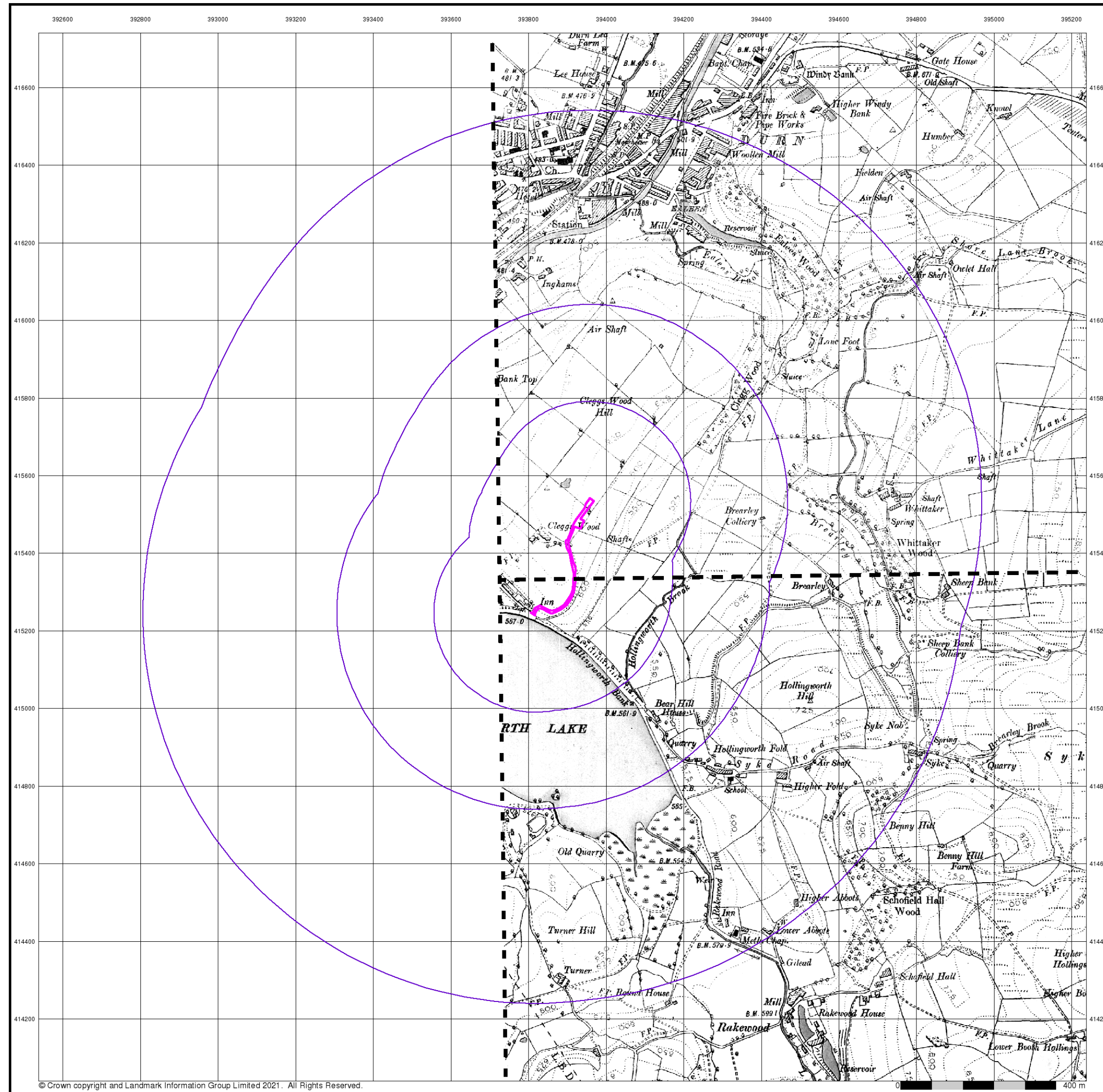
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## Yorkshire

### Published 1894 - 1895

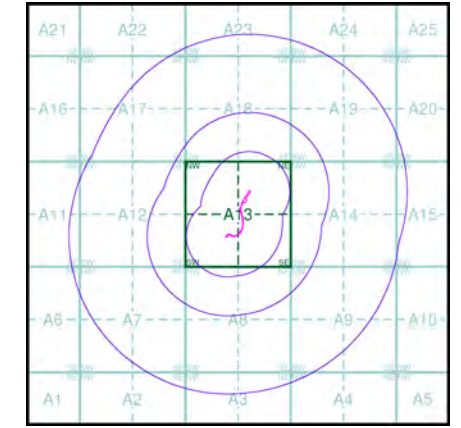
### Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)

|          |
|----------|
| 244SE    |
| 1894     |
| 1:10,560 |
| 258NE    |
| 1895     |
| 1:10,560 |

### Historical Map - Slice A



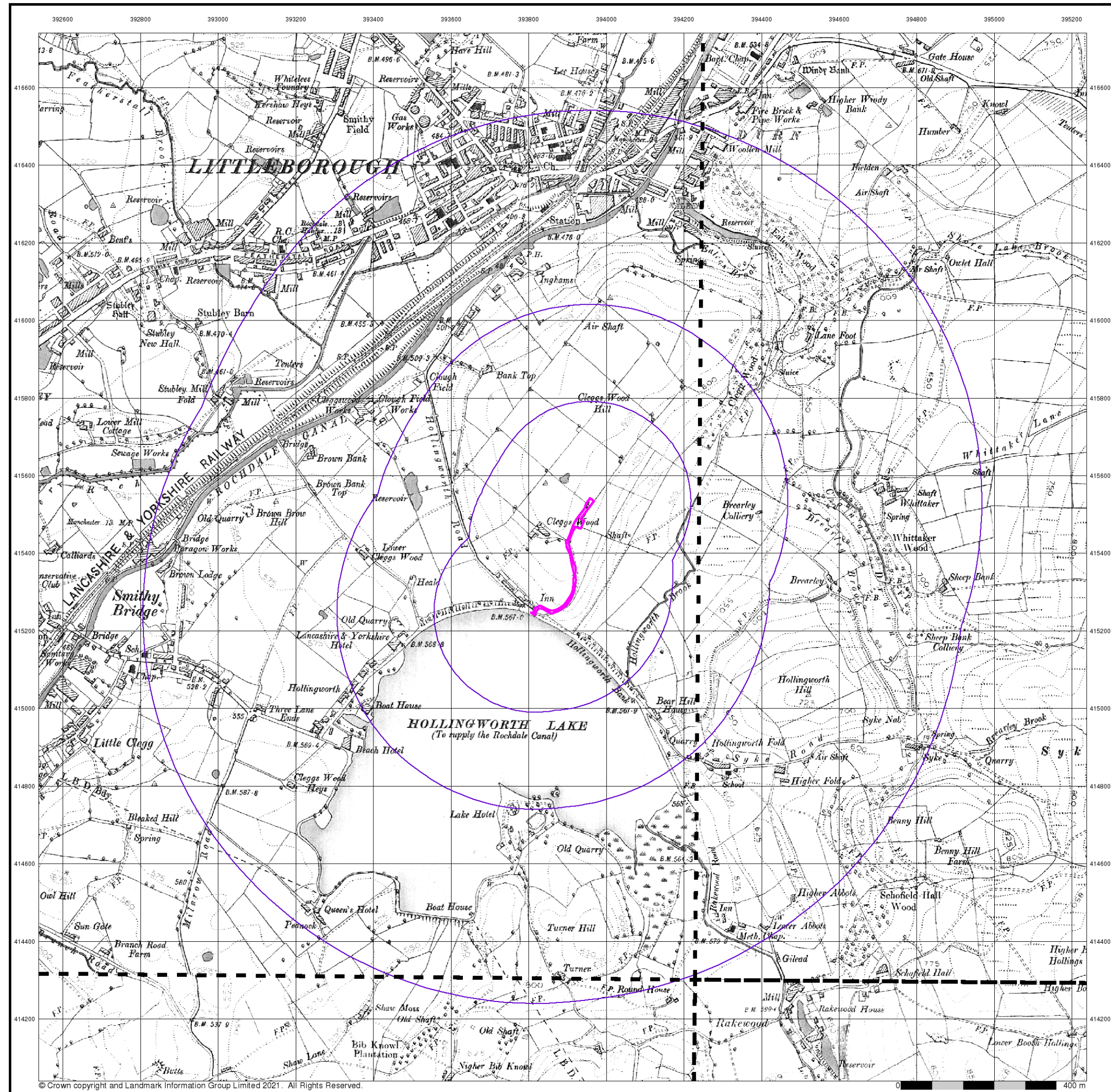
### Order Details

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Slice: A  
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Search Buffer (m): 1000

### Site Details

Land at, LITTLEBOROUGH, OL15 0AZ





## Lancashire And Furness

Published 1894 - 1895

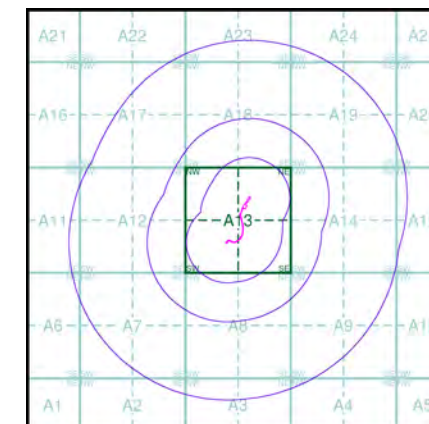
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### Map Name(s) and Date(s)

|                           |                           |
|---------------------------|---------------------------|
| 081SW<br>1894<br>1:10,560 | 081SE<br>1895<br>1:10,560 |
| 089NW<br>1894<br>1:10,560 | 089NE<br>1895<br>1:10,560 |

### Historical Map - Slice A



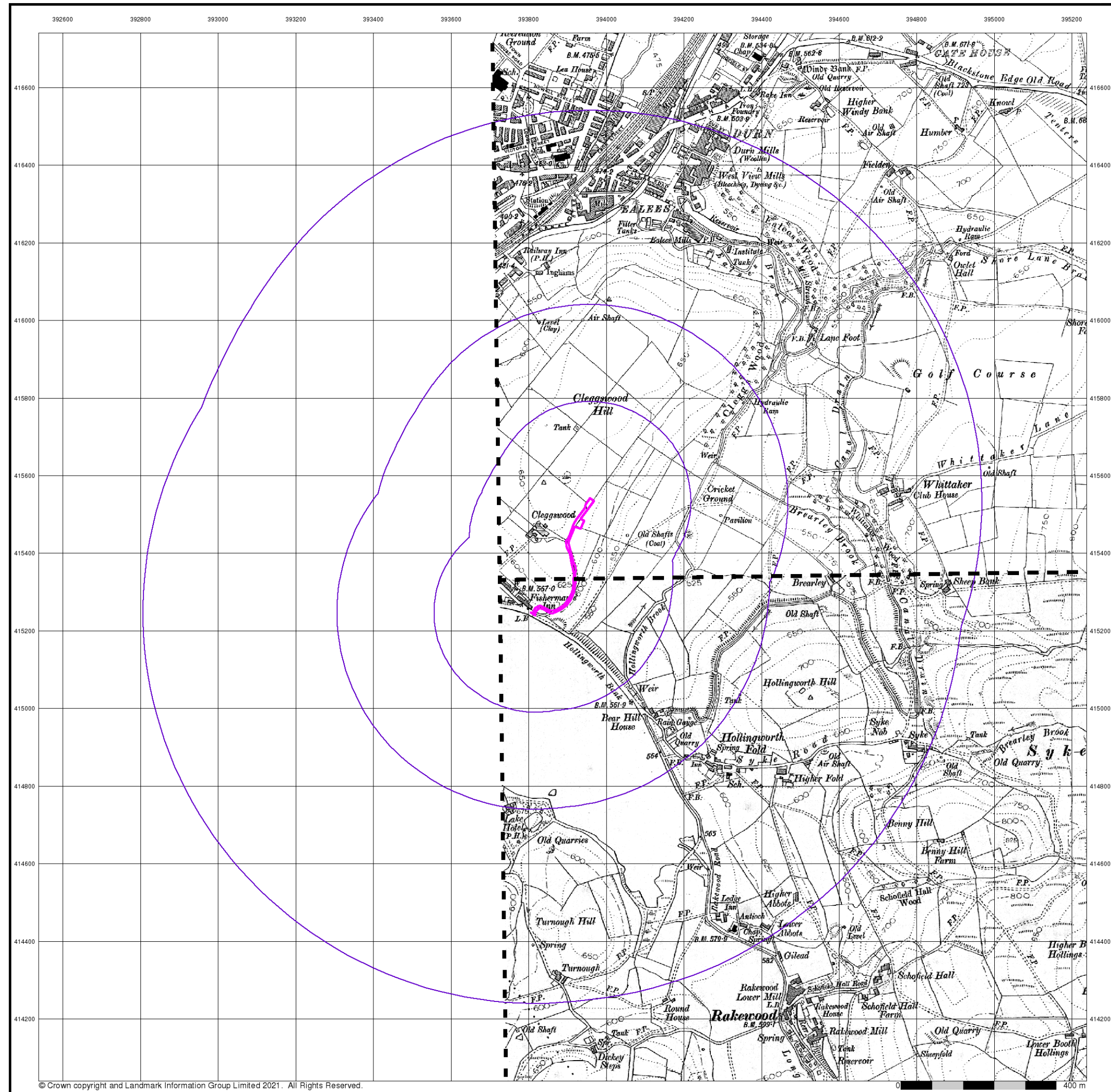
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Site Area (Ha): 0.28  
Search Buffer (m): 1000

### Site Details

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## Yorkshire

Published 1910 - 1911

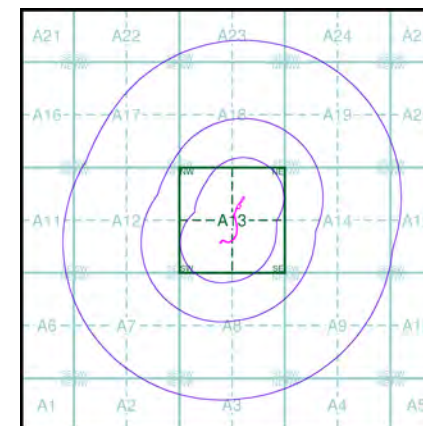
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)

|          |
|----------|
| 244SE    |
| 1911     |
| 1:10,560 |
| 258NE    |
| 1910     |
| 1:10,560 |

### Historical Map - Slice A



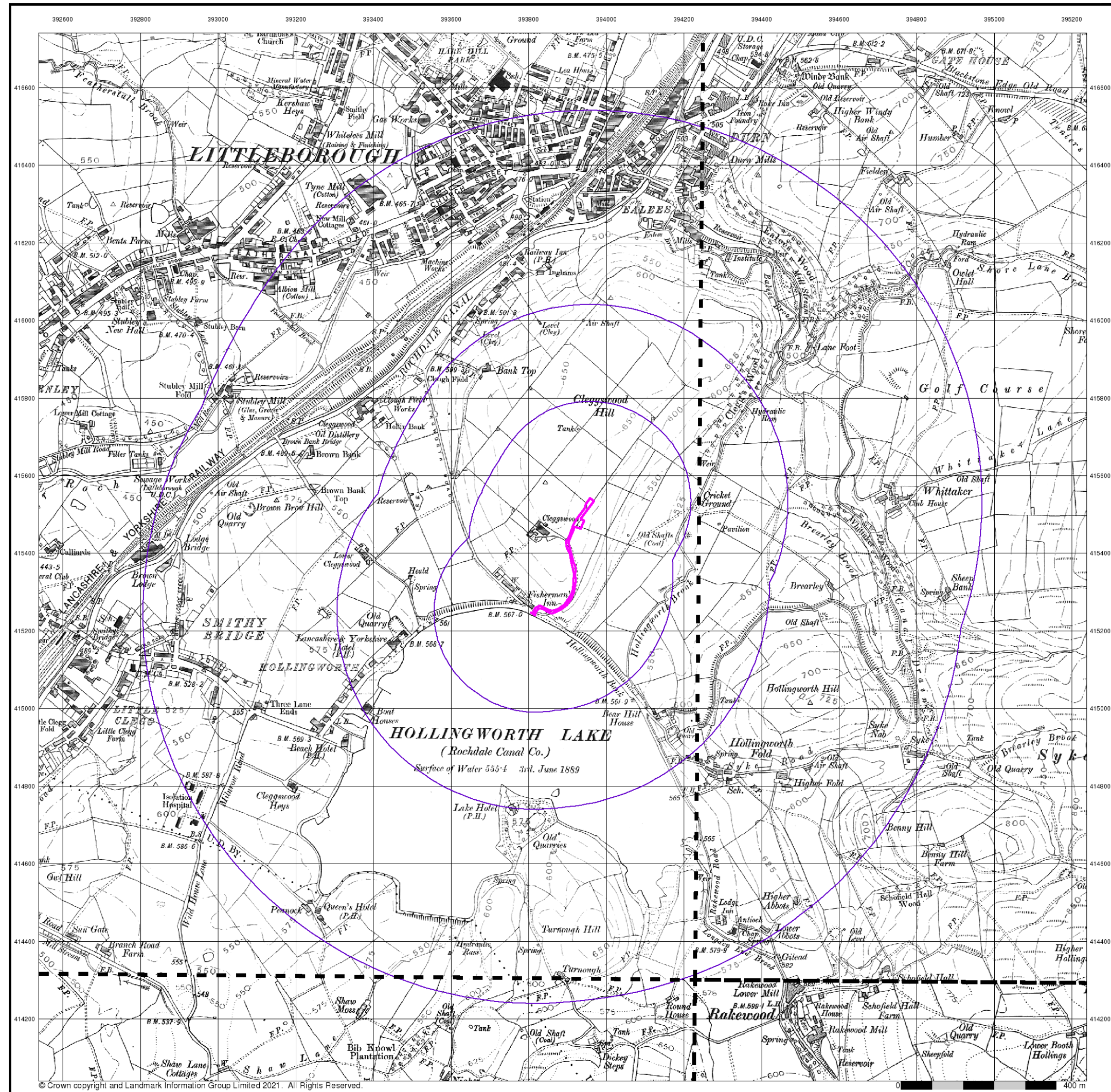
### Order Details

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National Grid Reference: 393900, 415380  
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Site Area (Ha): 0.28  
Search Buffer (m): 1000

### Site Details

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## Lancashire And Furness

### Published 1910 - 1911

### Source map scale - 1:10,560

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### Map Name(s) and Date(s)

|                           |                           |
|---------------------------|---------------------------|
| 081SW<br>1911<br>1:10,560 | 081SE<br>1910<br>1:10,560 |
| 089NW<br>1910<br>1:10,560 | 089NE<br>1910<br>1:10,560 |

### Historical Map - Slice A

### Order Details

|                          |                |
|--------------------------|----------------|
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| National Grid Reference: | 393900, 415380 |
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| Site Area (Ha):          | 0.28           |
| Search Buffer (m):       | 1000           |

### Site Details

Land at, LITTLEBOROUGH, OL15 0AZ

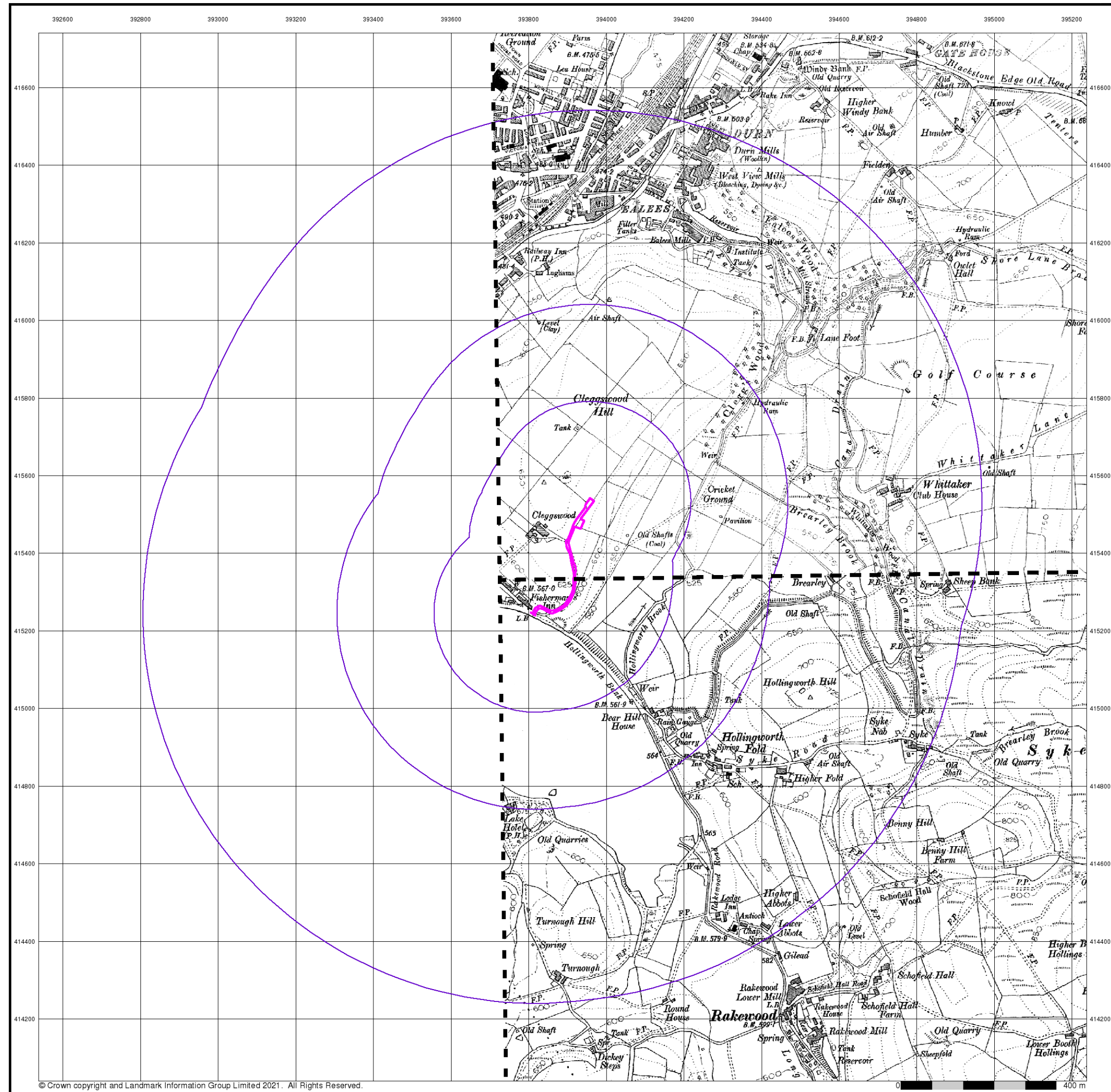
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## Yorkshire

Published 1910 - 1911

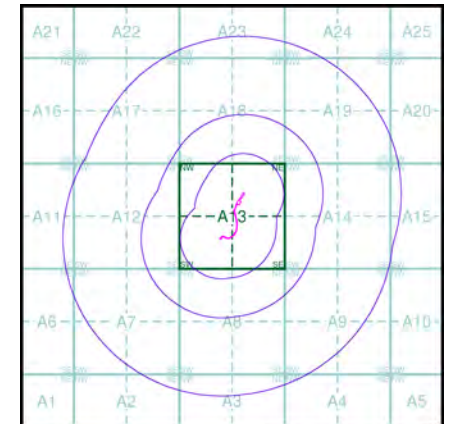
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)

|          |
|----------|
| 244SE    |
| 1911     |
| 1:10,560 |
| 258NE    |
| 1910     |
| 1:10,560 |

### Historical Map - Slice A



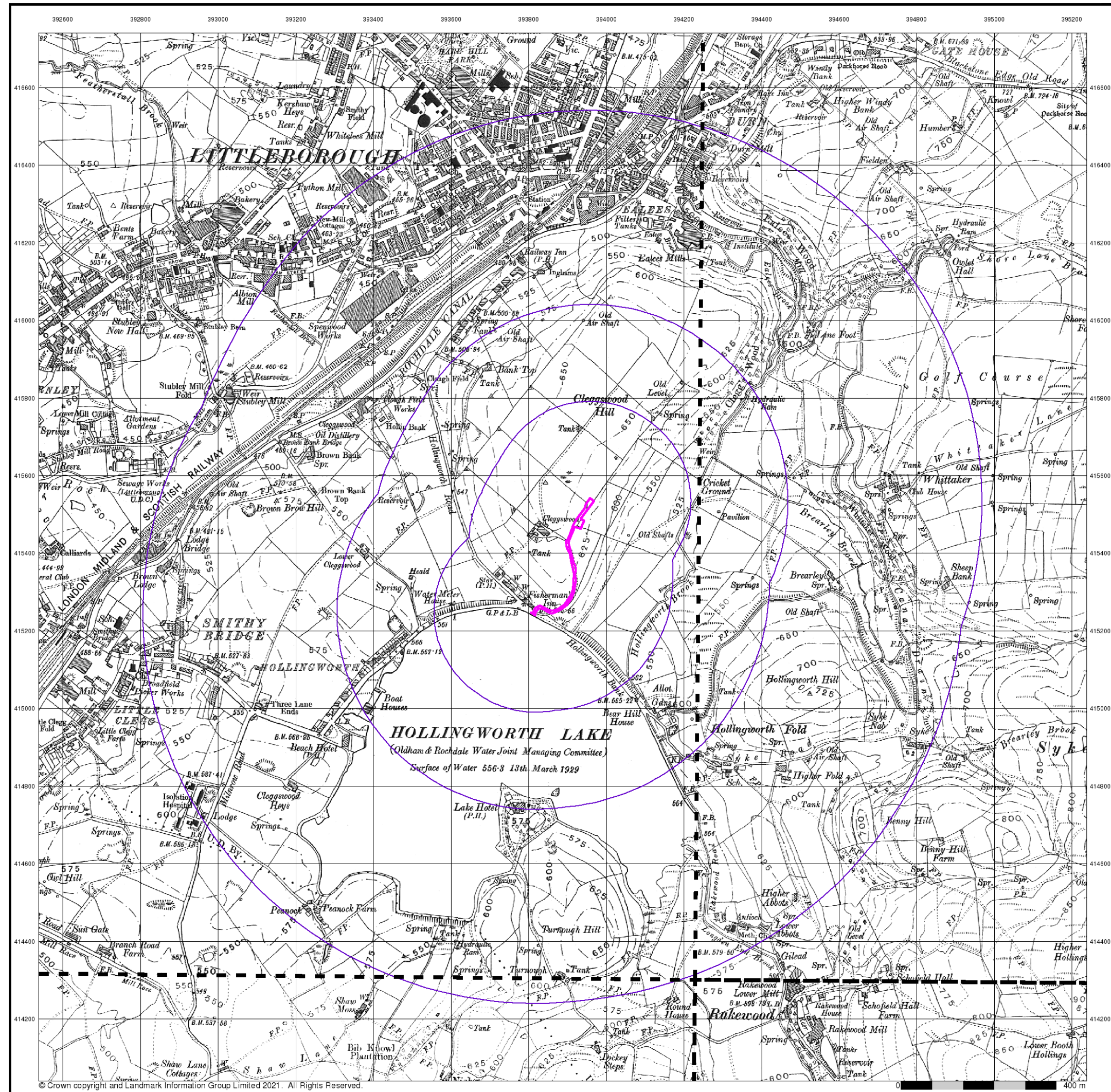
### Order Details

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Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

### Site Details

Land at, LITTLEBOROUGH, OL15 0AZ





## Lancashire And Furness

Published 1930 - 1932

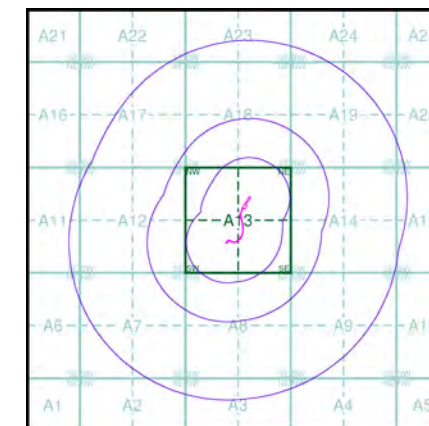
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)

|                           |                           |
|---------------------------|---------------------------|
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| 089NW<br>1931<br>1:10,560 | 089NE<br>1932<br>1:10,560 |

### Historical Map - Slice A



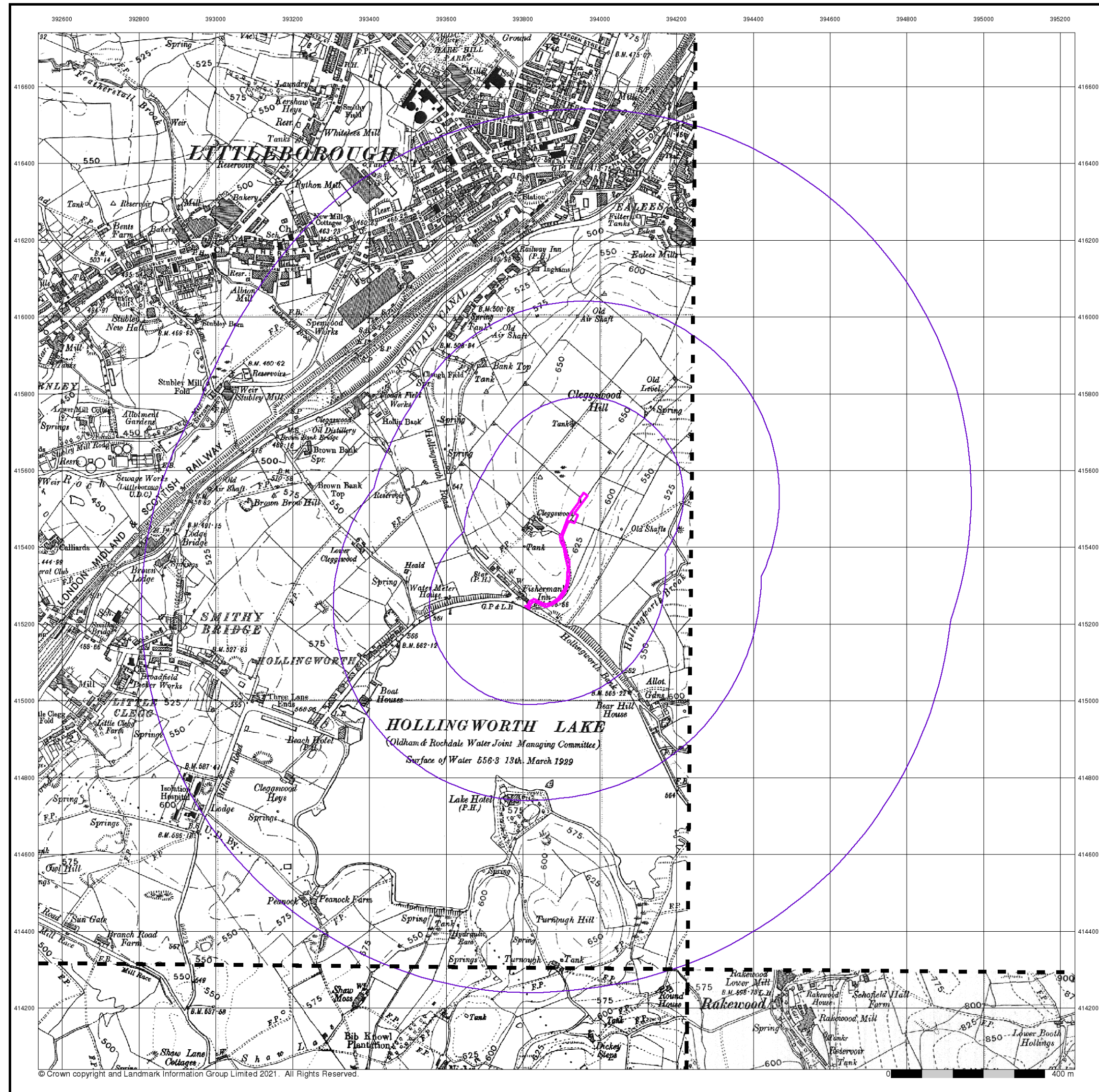
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Search Buffer (m): 1000

### Site Details

Land at, LITTLEBOROUGH, OL15 0AZ





## Lancashire And Furness

Published 1938

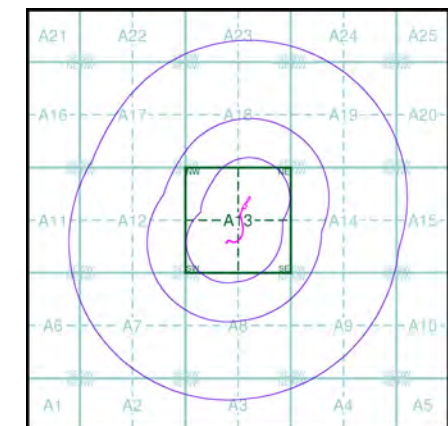
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)

|                           |                           |
|---------------------------|---------------------------|
| 081SW<br>1938<br>1:10,560 |                           |
| 089NW<br>1938<br>1:10,560 | 089NE<br>1938<br>1:10,560 |

### Historical Map - Slice A



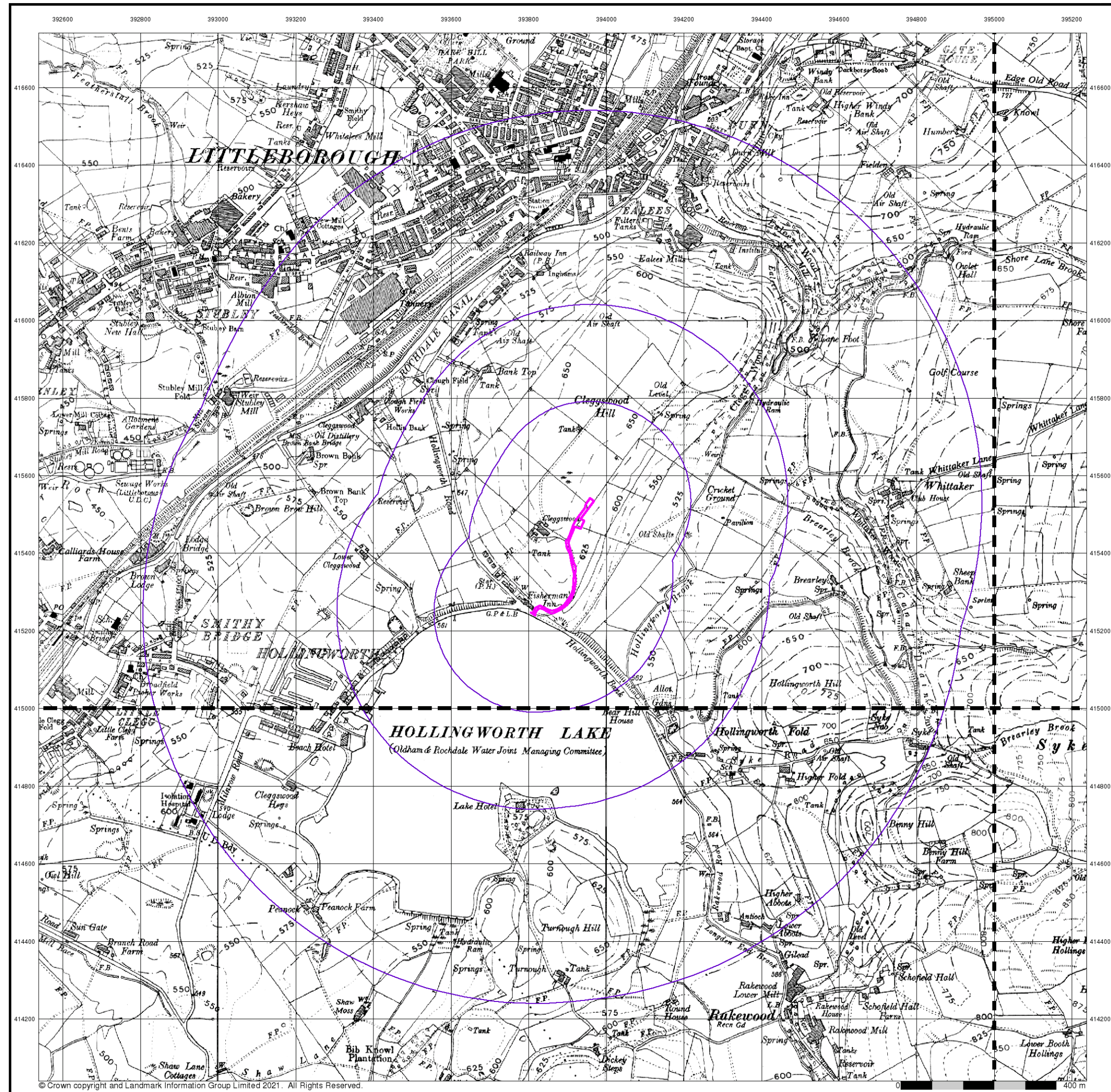
### Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

### Site Details

Land at, LITTLEBOROUGH, OL15 0AZ





## Ordnance Survey Plan

Published 1956

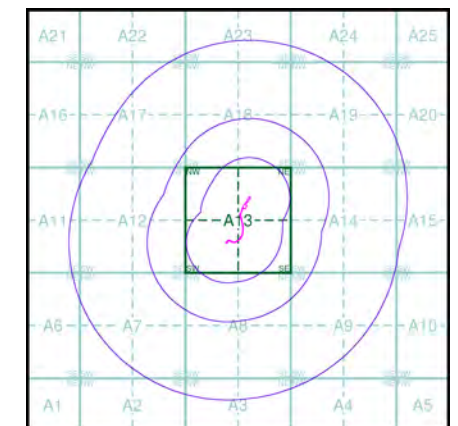
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

## Map Name(s) and Date(s)

|          |          |
|----------|----------|
| SD91NW   | SD91NE   |
| 1956     | 1956     |
| 1:10,560 | 1:10,560 |
| SD91SW   | SD91SE   |
| 1956     | 1956     |
| 1:10,560 | 1:10,560 |

## Historical Map - Slice A



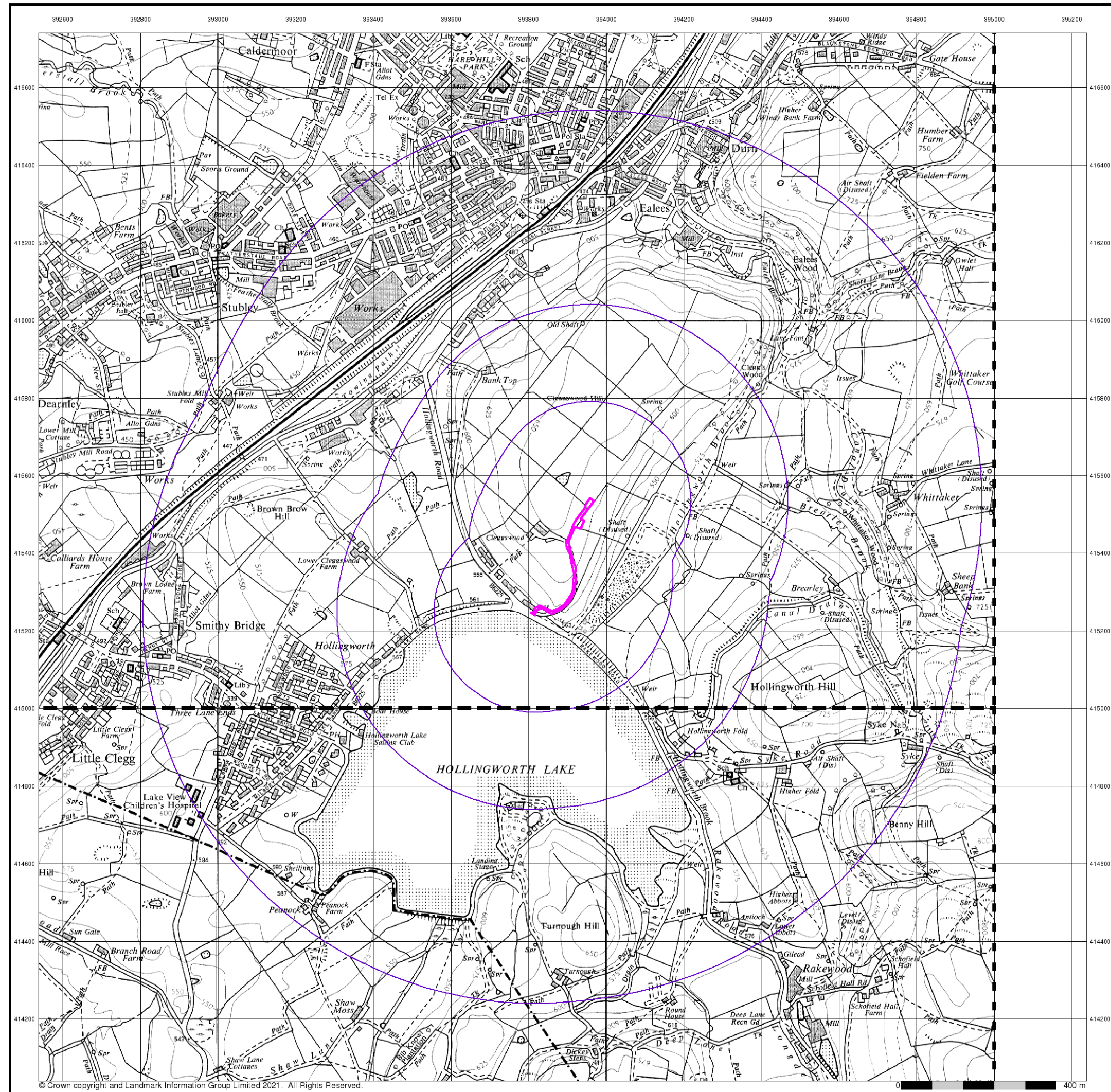
## Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

## Site Details

Land at, LITTLEBOROUGH, OL15 0AZ





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## Ordnance Survey Plan

**Published 1967 - 1968**

**Source map scale - 1:10,000**

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### Map Name(s) and Date(s)

|          |      |
|----------|------|
| SD91NW   | 1968 |
| 1:10,560 |      |
| SD91SW   | 1967 |
| 1:10,560 |      |

### Historical Map - Slice A

### Order Details

|                          |                |
|--------------------------|----------------|
| Order Number:            | 275128498_1_1  |
| Customer Ref:            | 3958           |
| National Grid Reference: | 393900, 415380 |
| Slice:                   | A              |
| Site Area (Ha):          | 0.28           |
| Search Buffer (m):       | 1000           |

### Site Details

Land at, LITTLEBOROUGH, OL15 0AZ

## Landmark<sup>®</sup>

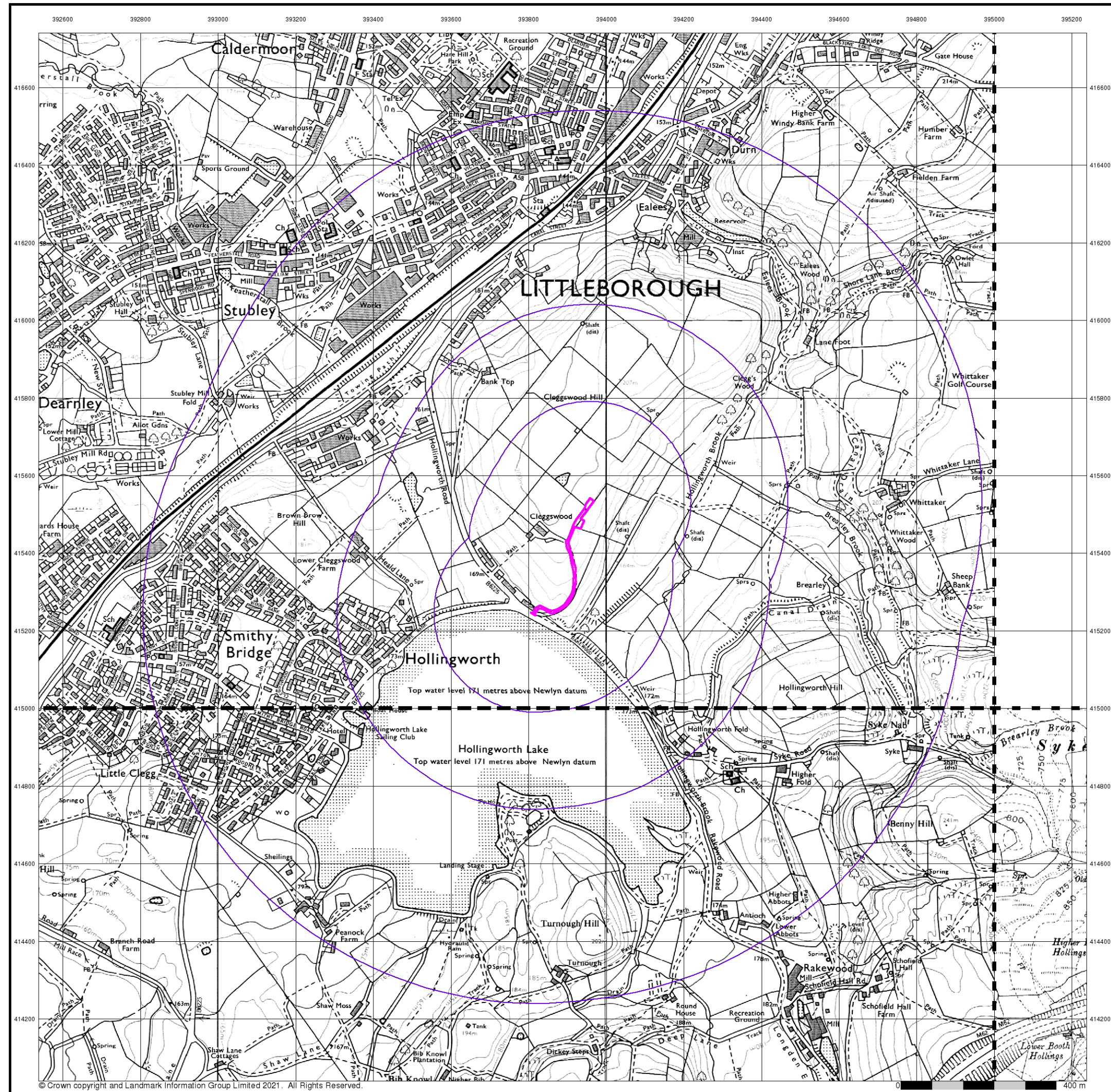
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## Ordnance Survey Plan

Published 1972 - 1979

Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)

|        |      |          |
|--------|------|----------|
| SD91NW | 1978 | 1:10,000 |
| SD91SW | 1979 | 1:10,000 |
| SD91SE | 1972 | 1:10,560 |

### Historical Map - Slice A

### Order Details

|                          |                |
|--------------------------|----------------|
| Order Number:            | 275128498_1_1  |
| Customer Ref:            | 3958           |
| National Grid Reference: | 393900, 415380 |
| Slice:                   | A              |
| Site Area (Ha):          | 0.28           |
| Search Buffer (m):       | 1000           |

### Site Details

Land at, LITTLEBOROUGH, OL15 0AZ

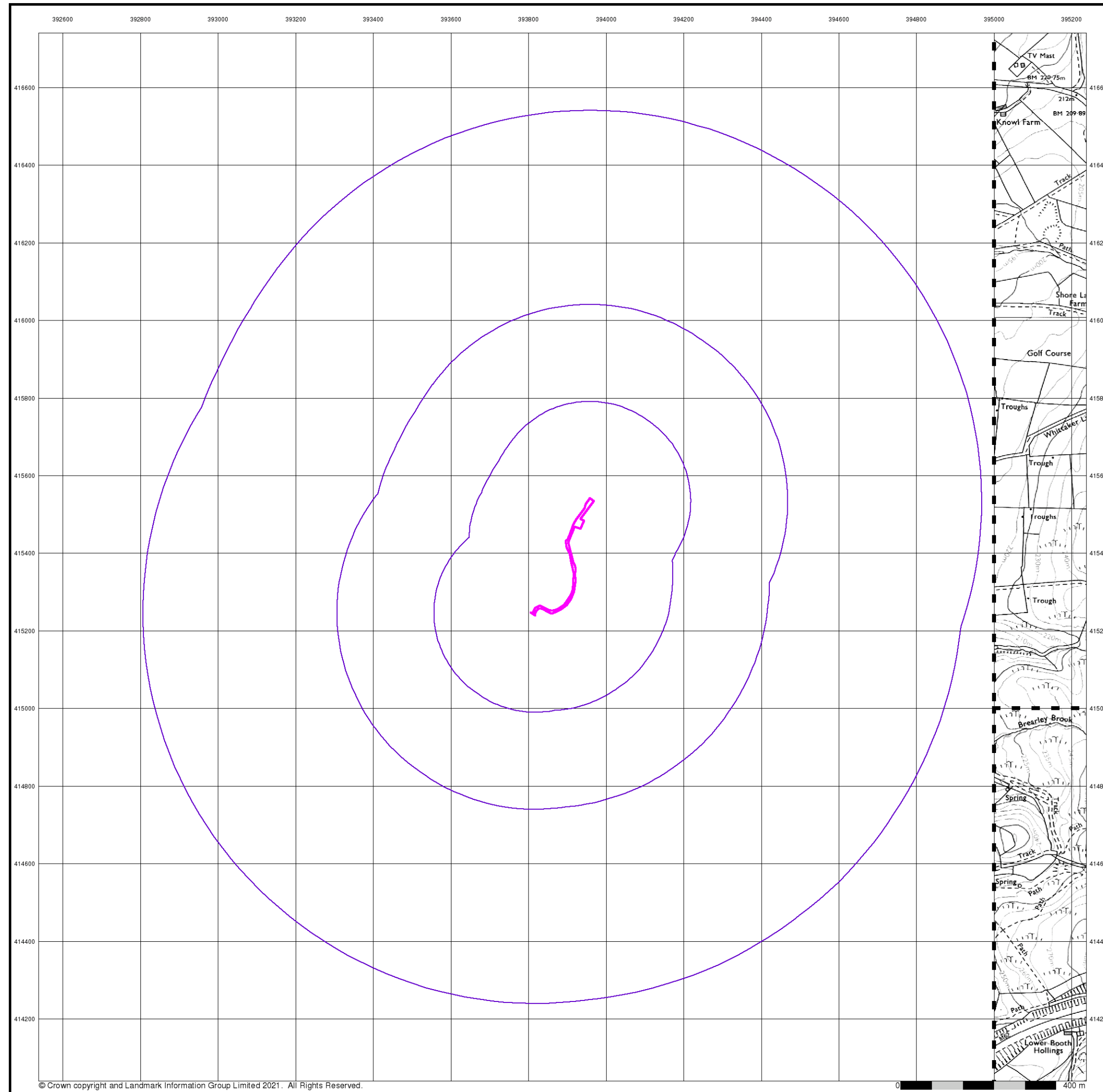
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Ordnance Survey Plan

Published 1980 - 1981

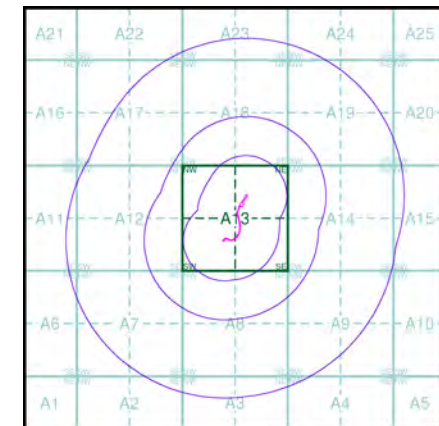
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

|  |          |  |
|--|----------|--|
|  | SD91NE   |  |
|  | 1980     |  |
|  | 1:10,000 |  |
|  |          |  |
|  | SD91SE   |  |
|  | 1981     |  |
|  | 1:10,000 |  |

Historical Map - Slice A



Order Details

Order Number: 275128498\_1\_1

Customer Ref: 3958

National Grid Reference: 393900, 415380

Slice: A

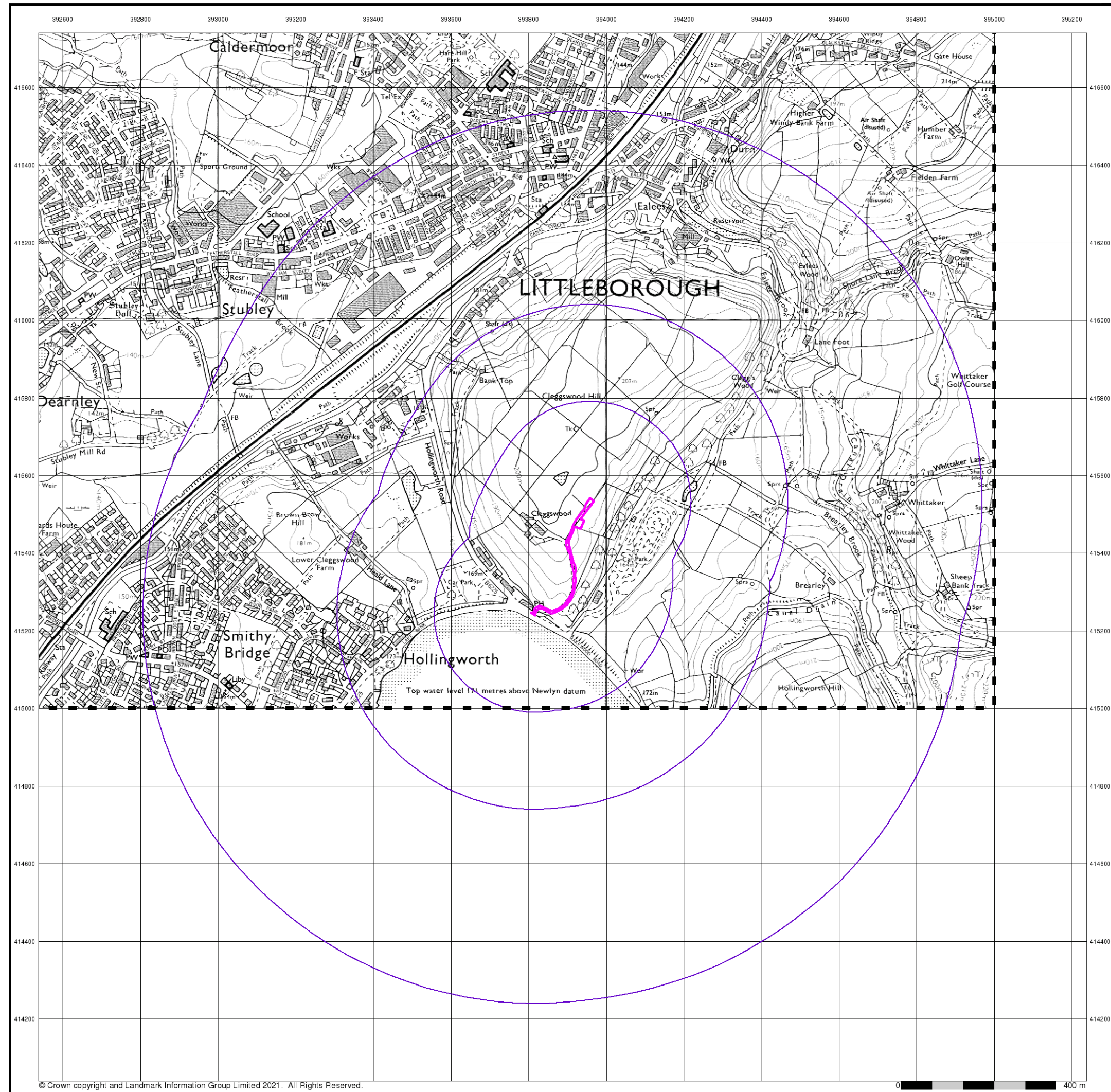
Site Area (Ha): 0.28

Search Buffer (m): 1000

Site Details

Land at, LITTLEBOROUGH, OL15 0AZ





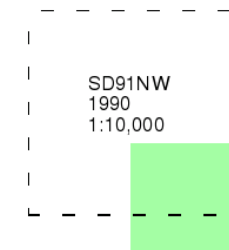
## Ordnance Survey Plan

Published 1990

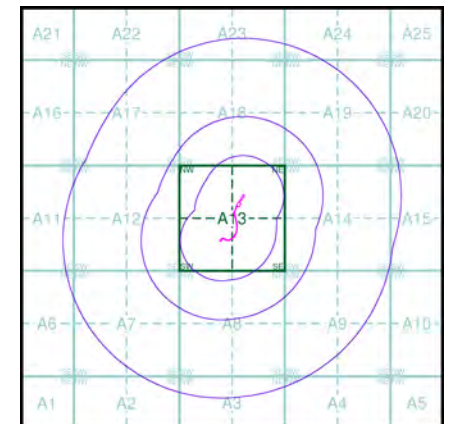
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

## Map Name(s) and Date(s)



## Historical Map - Slice A



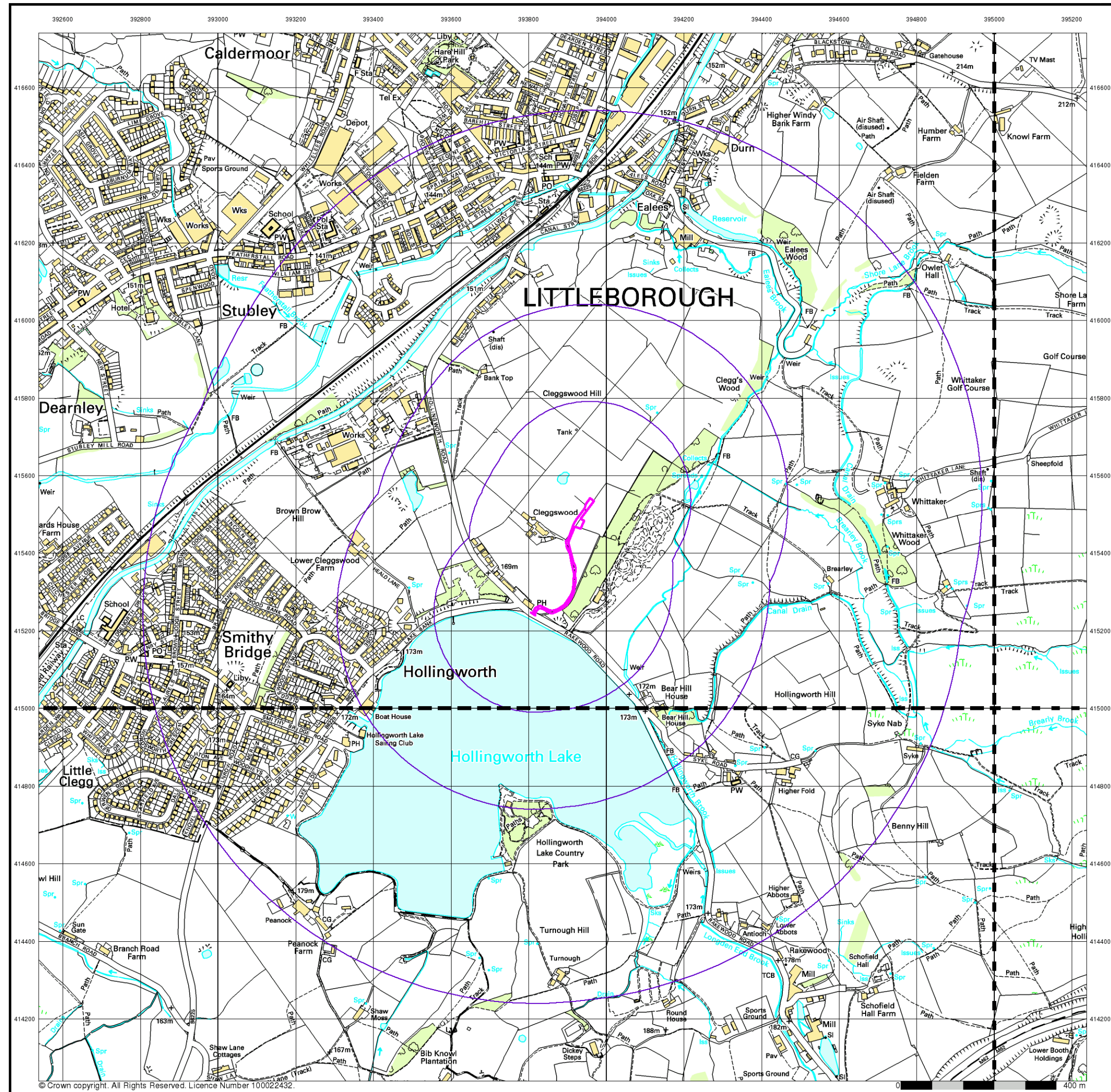
## Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

## Site Details

Land at, LITTLEBOROUGH, OL15 0AZ





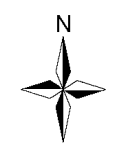
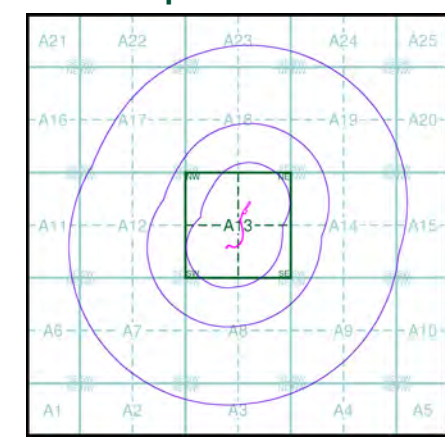
**10k Raster Mapping**  
**Published 1999**  
**Source map scale - 1:10,000**

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

## Map Name(s) and Date(s)

|          |          |
|----------|----------|
| SD91NW   | SD91NE   |
| 1999     | 1999     |
| 1:10,000 | 1:10,000 |
| SD91SW   | SD91SE   |
| 1999     | 1999     |
| 1:10,000 | 1:10,000 |

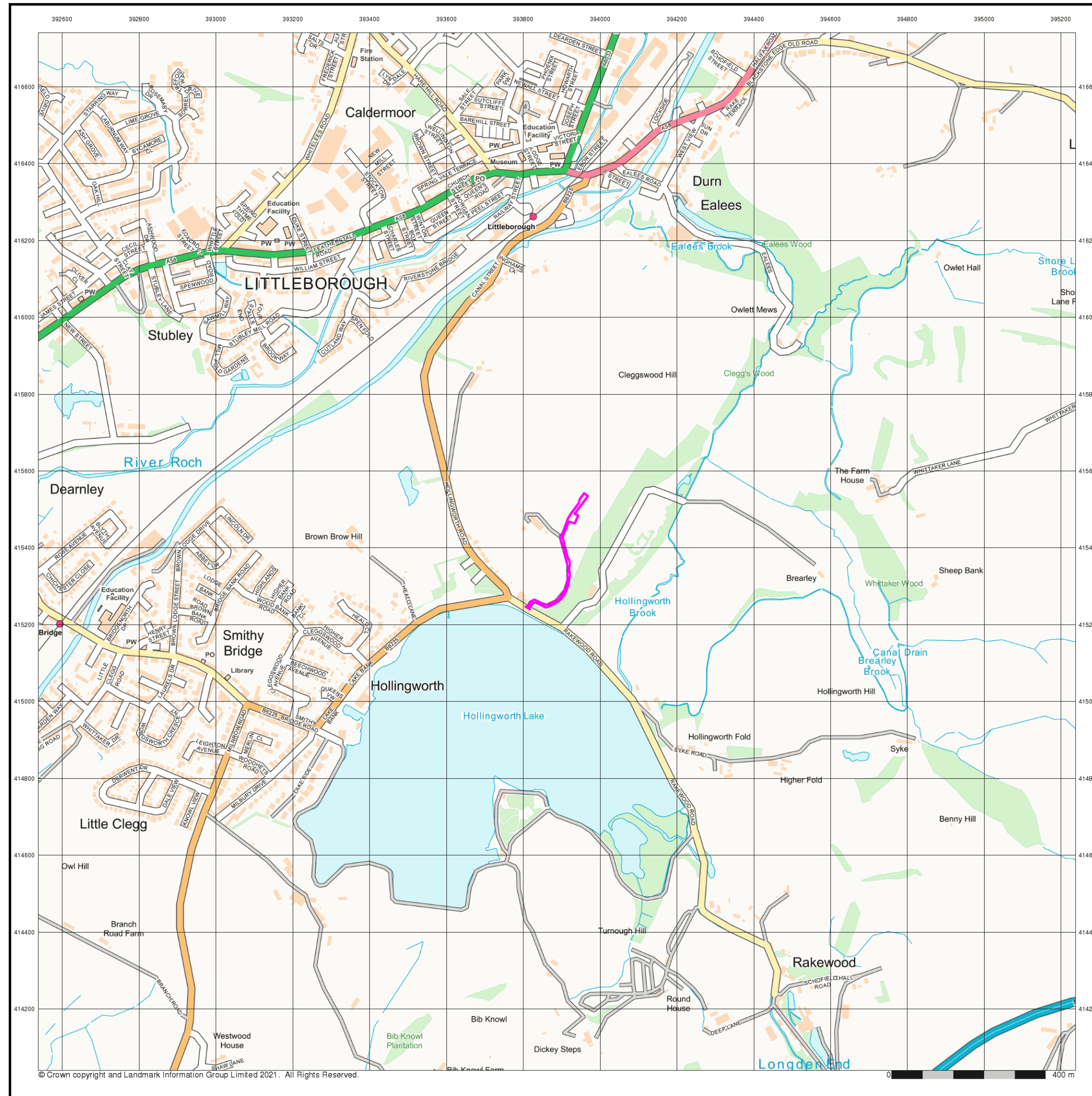
## Historical Map - Slice A



**Order Details**  
Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

**Site Details**  
Land at, LITTLEBOROUGH, OL15 0AZ





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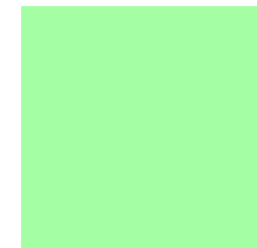
Street View

Published 2021

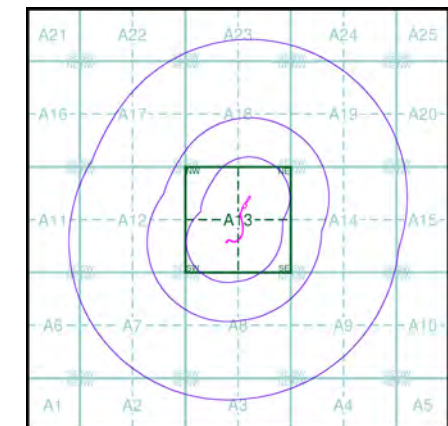
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

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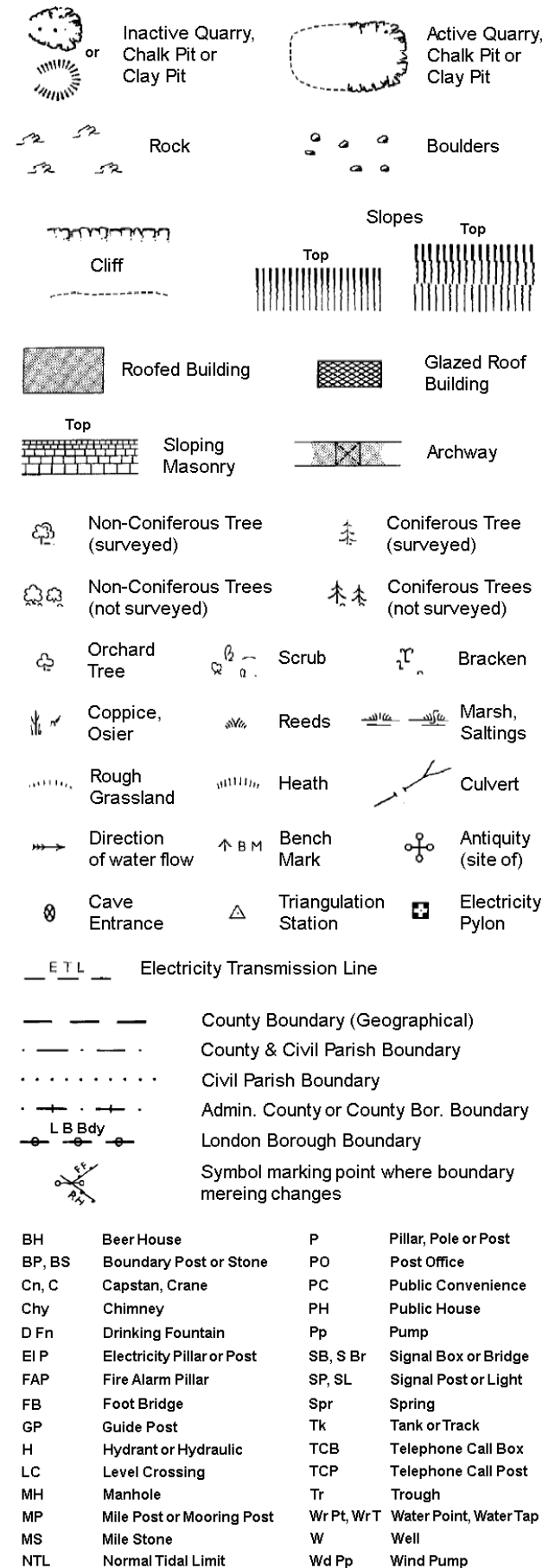


# Historical Mapping Legends

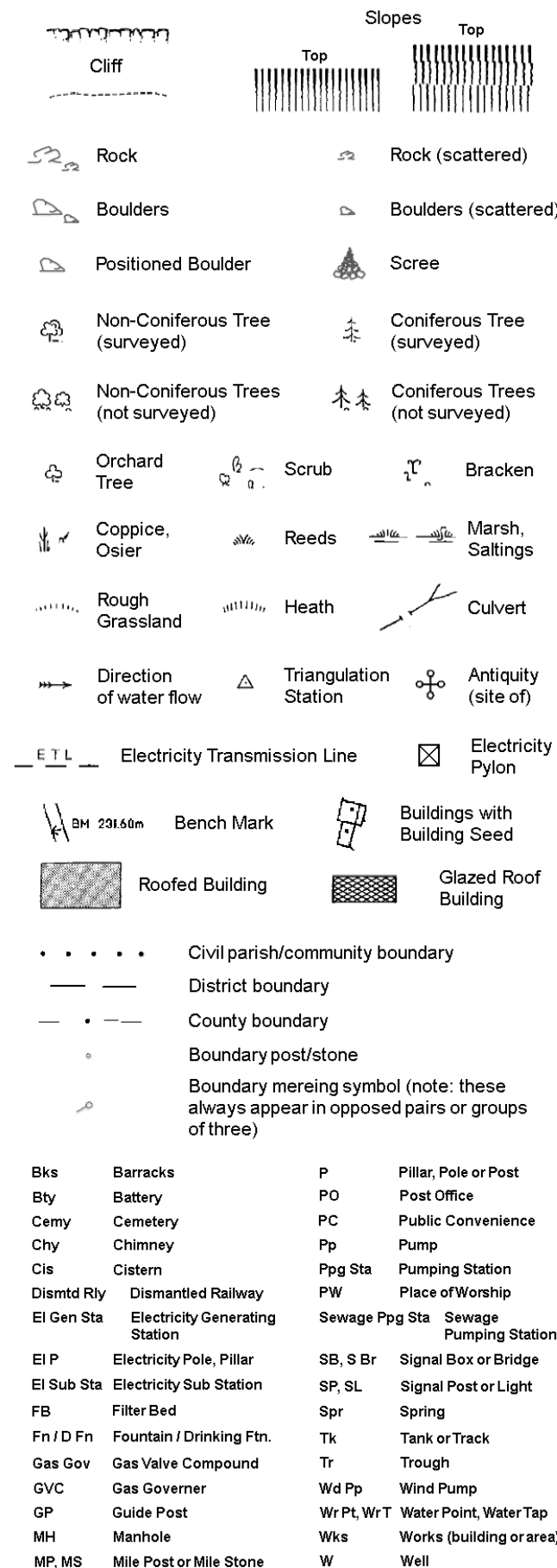
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



## Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



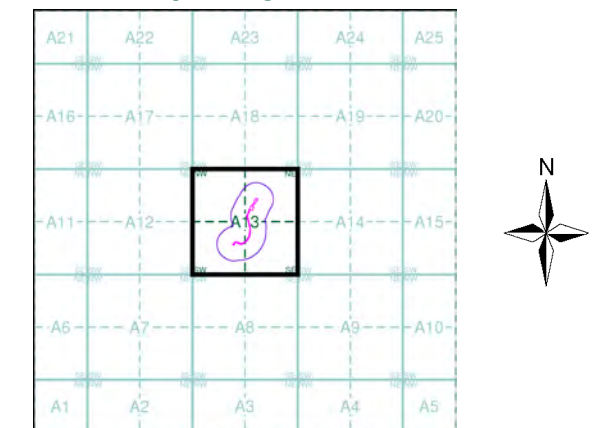
## Large-Scale National Grid Data 1:2,500 and 1:1,250



## Historical Mapping & Photography included:

| Mapping Type                   | Scale   | Date        | Pg |
|--------------------------------|---------|-------------|----|
| Lancashire And Furness         | 1:2,500 | 1893        | 2  |
| Lancashire And Furness         | 1:2,500 | 1910        | 3  |
| Lancashire And Furness         | 1:2,500 | 1930        | 4  |
| Lancashire And Furness         | 1:2,500 | 1938        | 5  |
| Ordnance Survey Plan           | 1:1,250 | 1960        | 6  |
| Ordnance Survey Plan           | 1:2,500 | 1961 - 1964 | 7  |
| Additional SIMs                | 1:1,250 | 1978 - 1988 | 8  |
| Additional SIMs                | 1:2,500 | 1983        | 9  |
| Additional SIMs                | 1:2,500 | 1988        | 10 |
| Large-Scale National Grid Data | 1:1,250 | 1992        | 11 |
| Large-Scale National Grid Data | 1:2,500 | 1992        | 12 |

## Historical Map - Segment A13

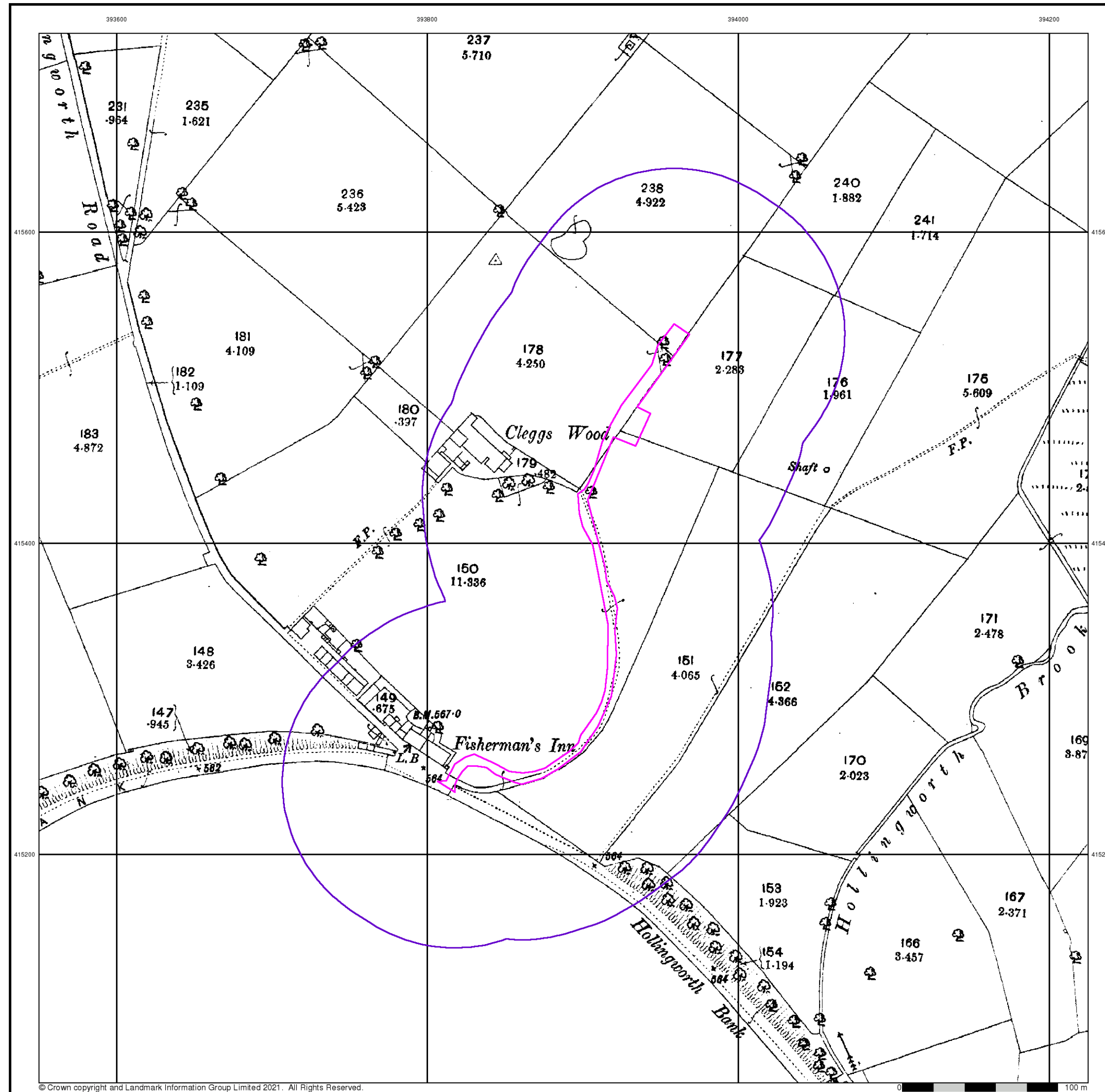


## Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 100

## Site Details

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0 100 m

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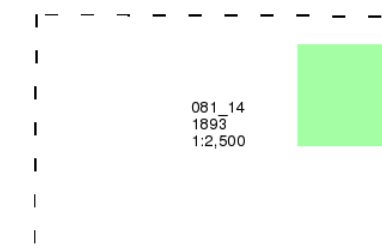
## Lancashire And Furness

### Published 1893

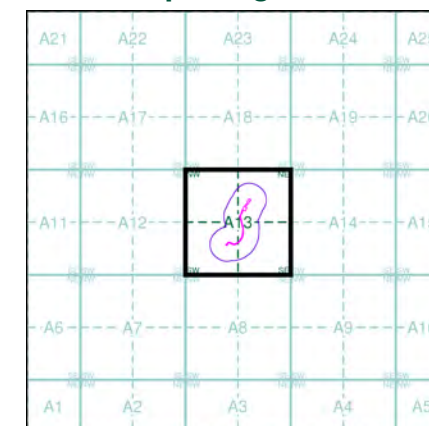
### Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 100

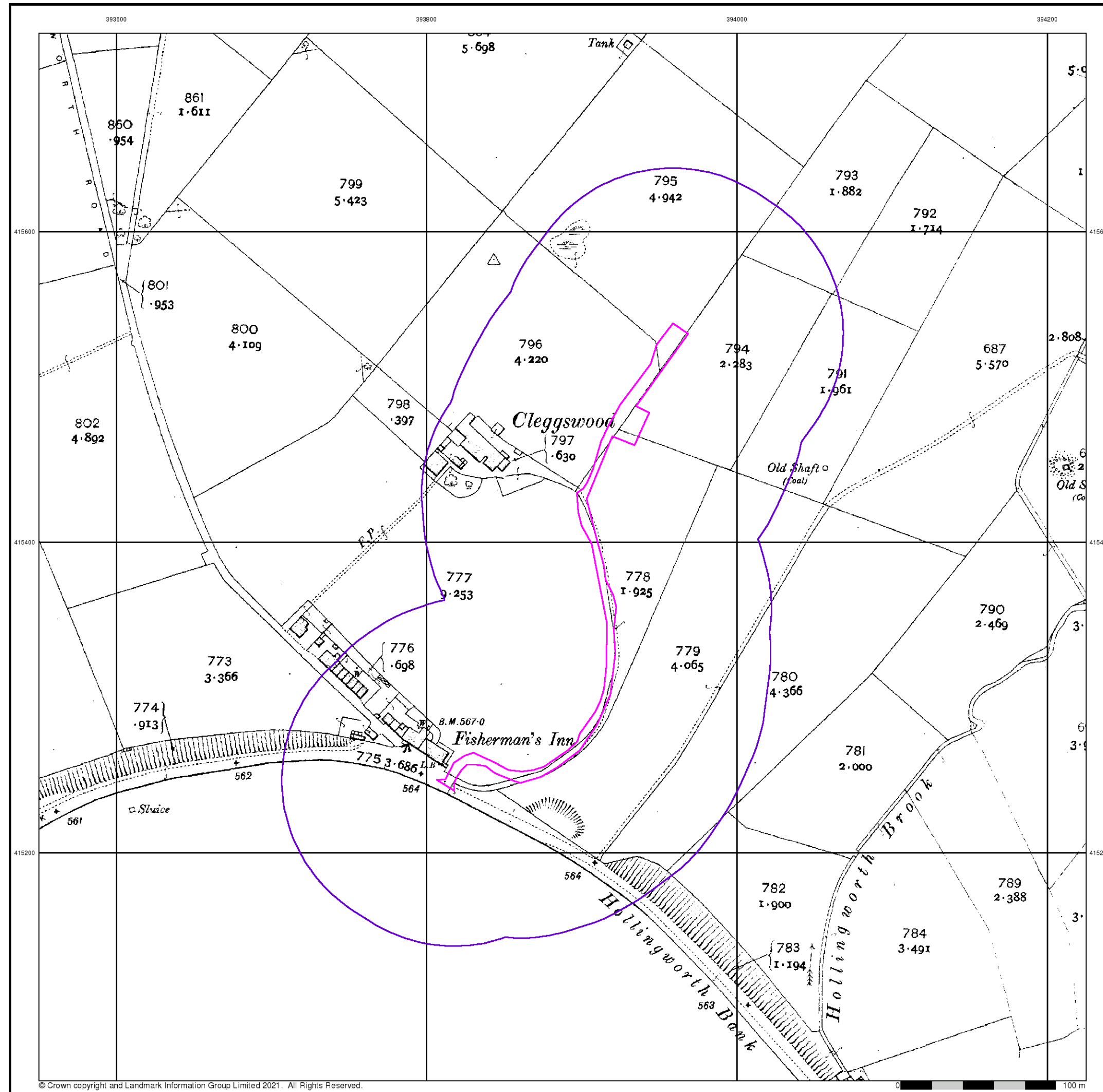
### Site Details

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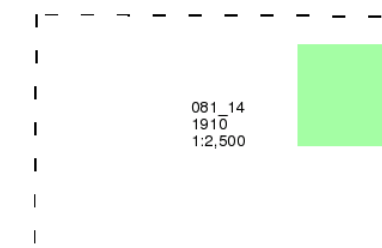
## Lancashire And Furness

Published 1910

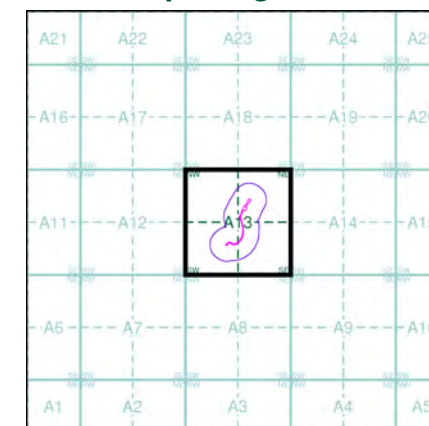
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)



### Historical Map - Segment A13

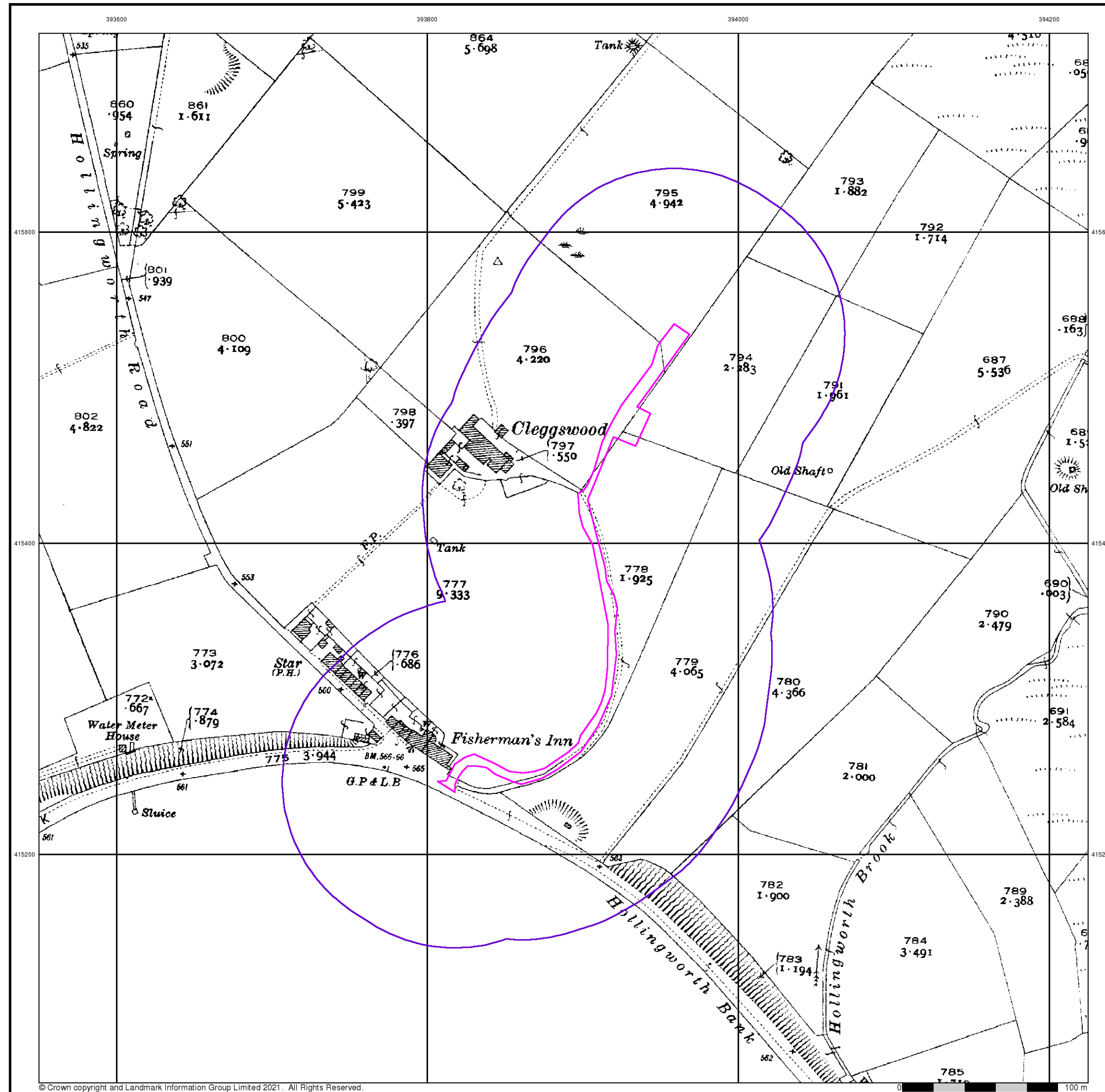


### Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 100

### Site Details

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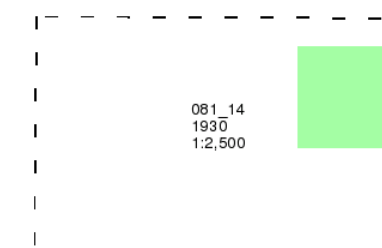
## Lancashire And Furness

### Published 1930

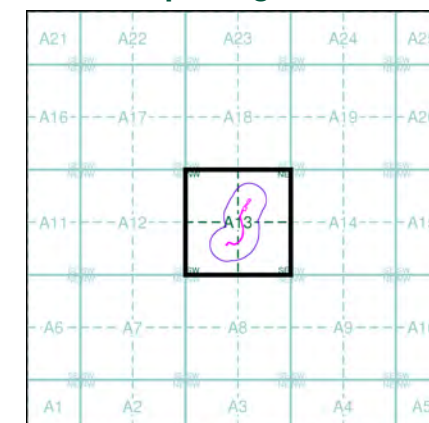
### Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 100

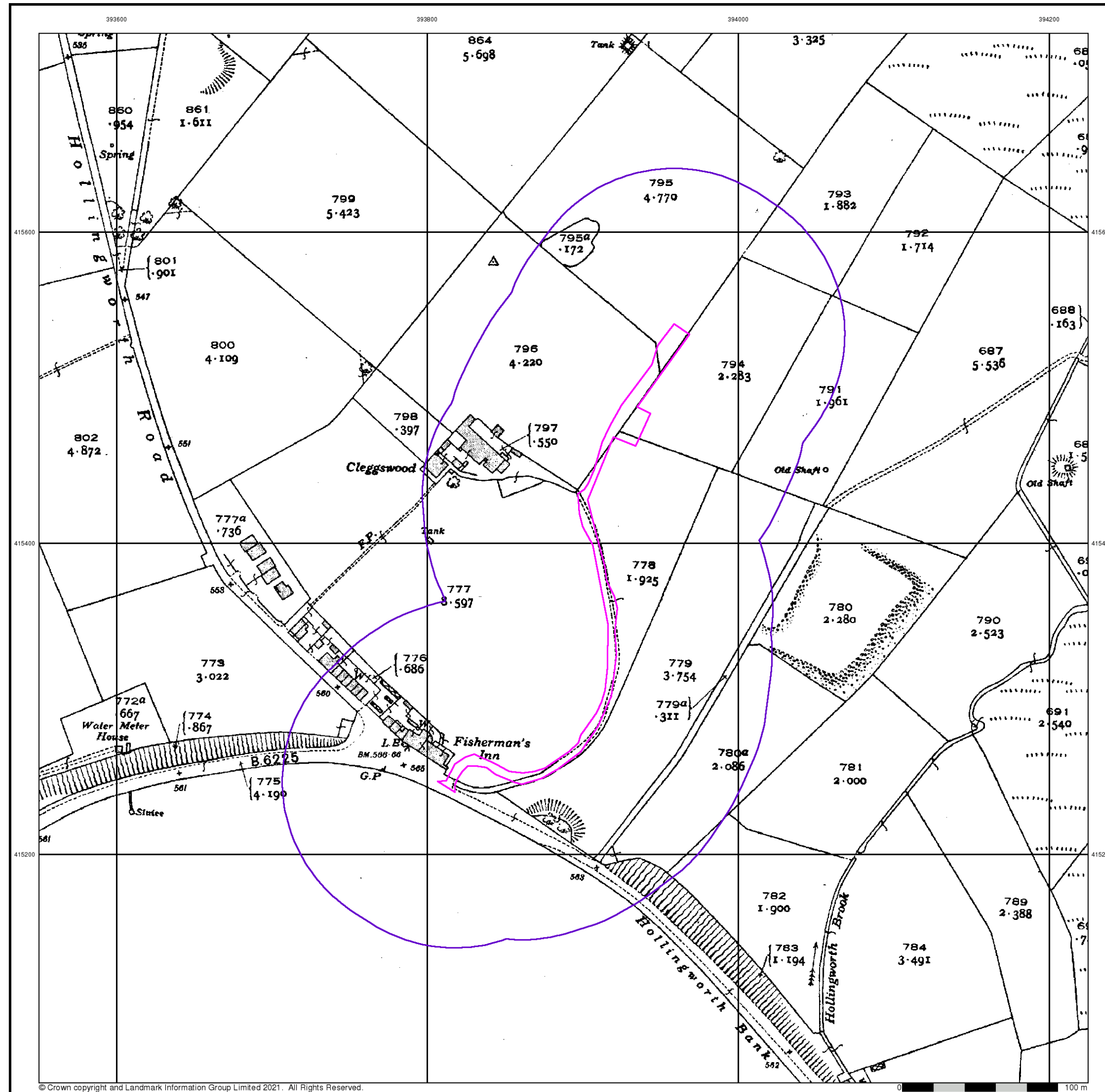
### Site Details

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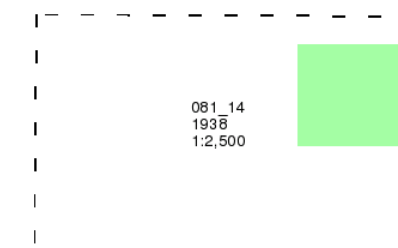
## Lancashire And Furness

Published 1938

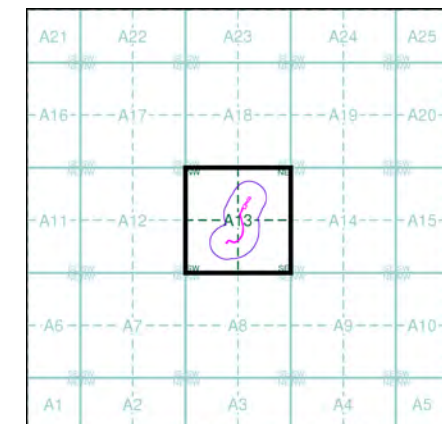
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)



### Historical Map - Segment A13

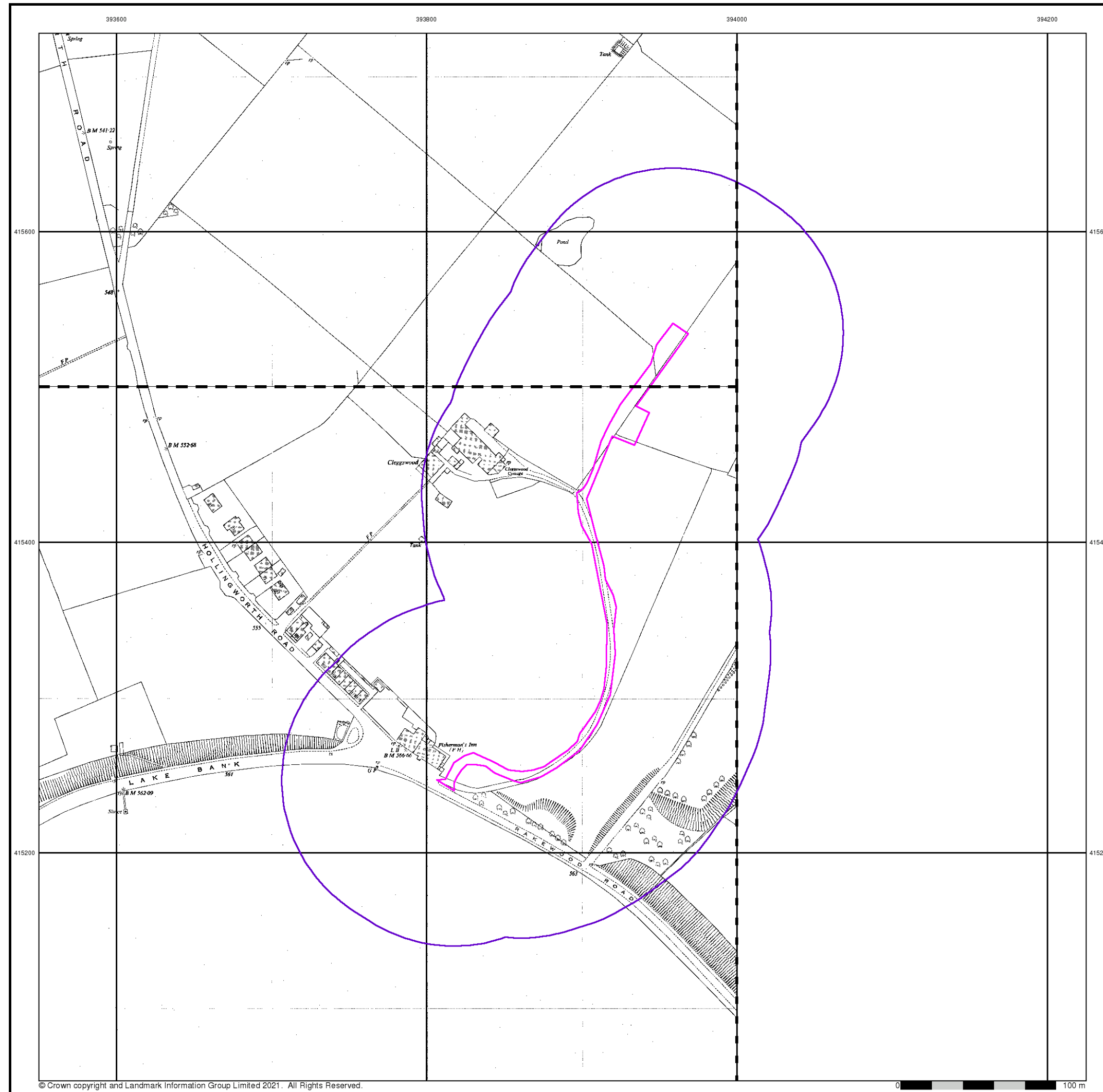


### Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 100

### Site Details

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## Ordnance Survey Plan

Published 1960

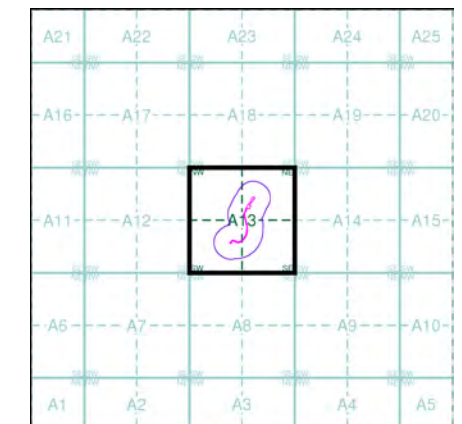
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)

|          |
|----------|
| SD9315NE |
| 1960     |
| 1:1,250  |
| SD9315SE |
| 1960     |
| 1:1,250  |

### Historical Map - Segment A13



### Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 100

### Site Details

Land at, LITTLEBOROUGH, OL15 0AZ



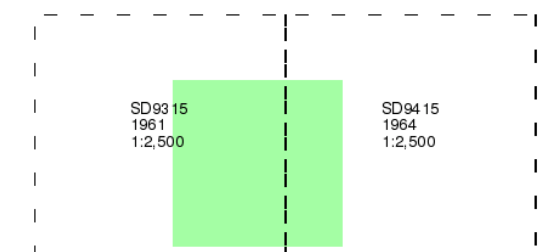
## Ordnance Survey Plan

Published 1961 - 1964

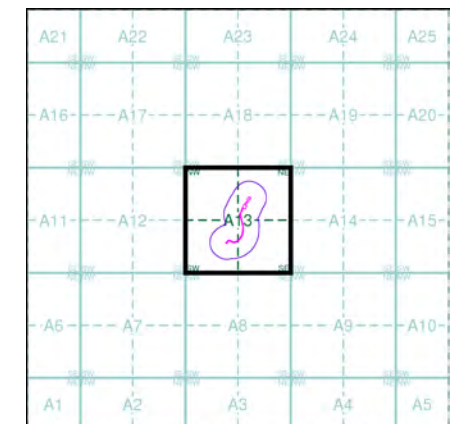
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

## Map Name(s) and Date(s)



## Historical Map - Segment A13

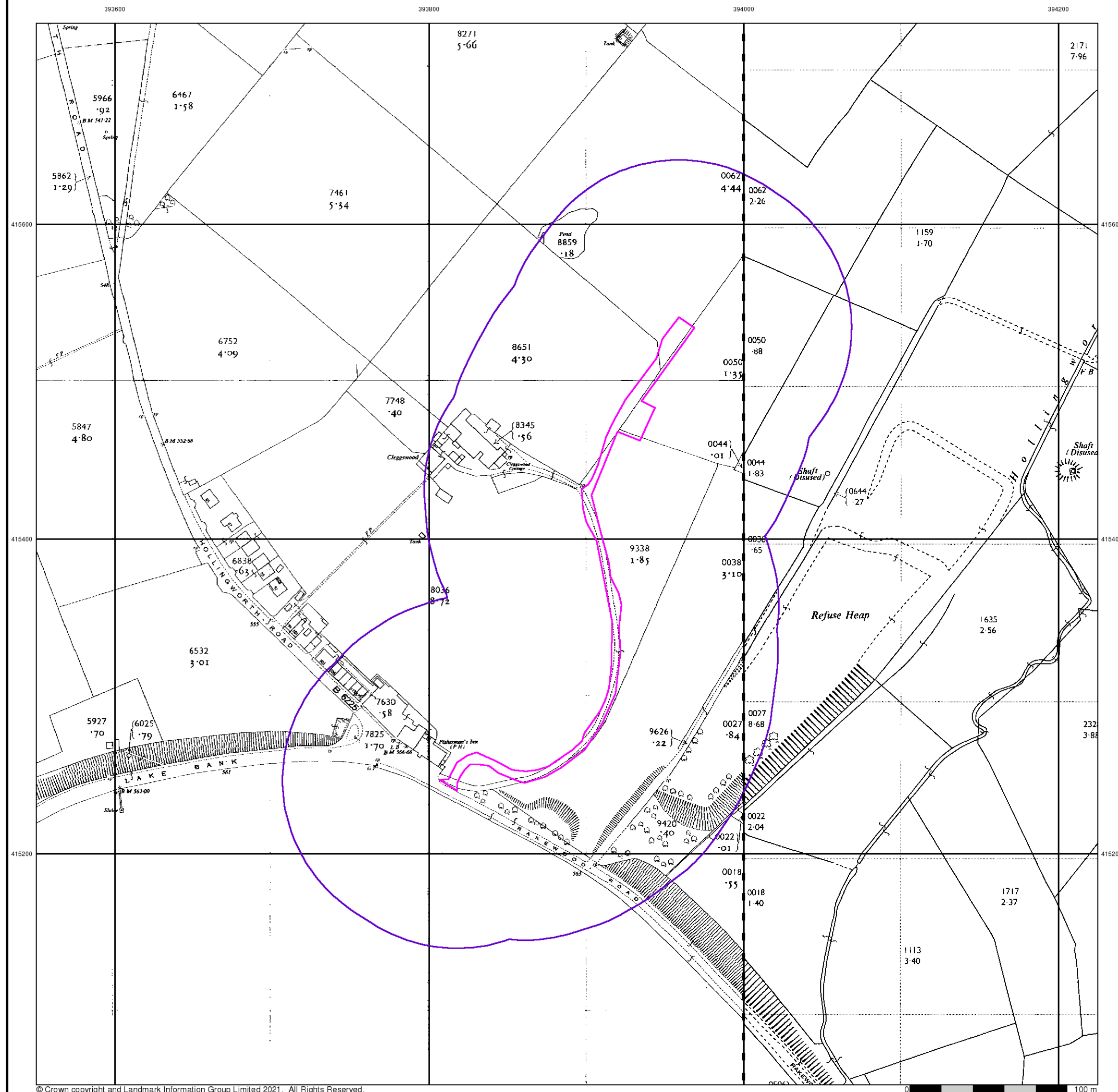


## Order Details

Order Number: 275128498\_1\_1  
 Customer Ref: 3958  
 National Grid Reference: 393900, 415380  
 Slice: A  
 Site Area (Ha): 0.28  
 Search Buffer (m): 100

## Site Details

Land at, LITTLEBOROUGH, OL15 0AZ





## Additional SIMs

Published 1978 - 1988

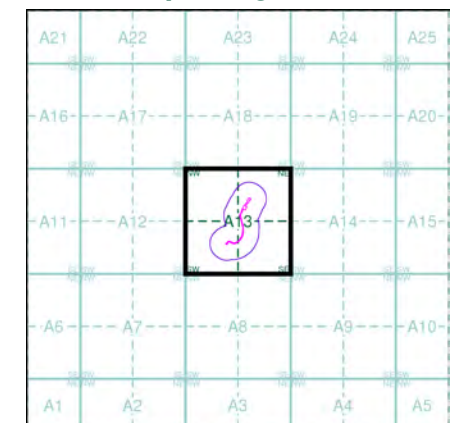
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

## Map Name(s) and Date(s)

|          |      |         |
|----------|------|---------|
| SD9315NE | 1978 | 1:1,250 |
| SD9315SE | 1988 | 1:1,250 |

## Historical Map - Segment A13



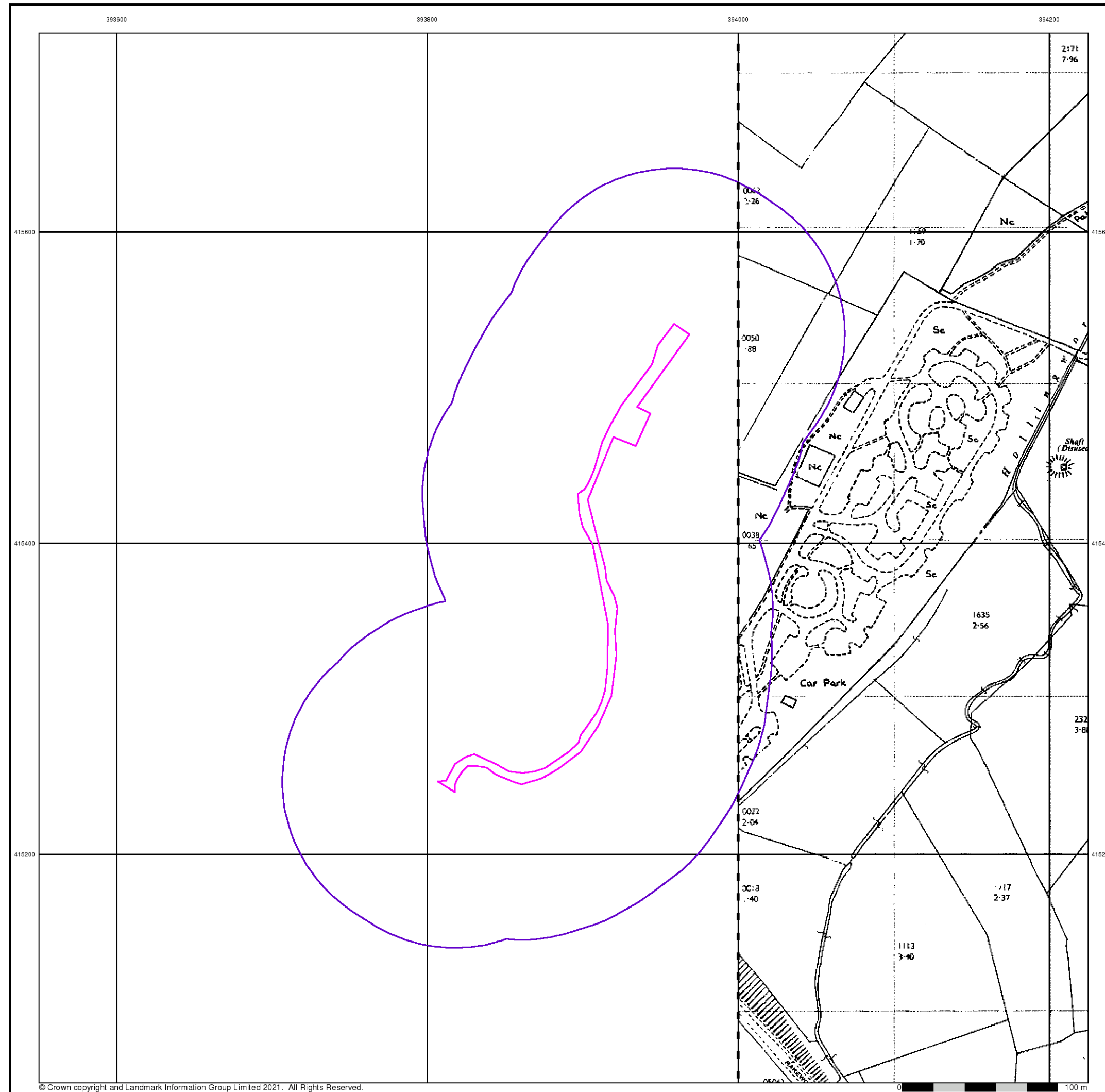
## Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 100

## Site Details

Land at, LITTLEBOROUGH, OL15 0AZ





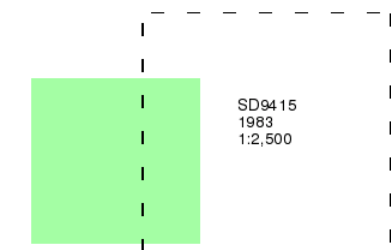
## Additional SIMs

Published 1983

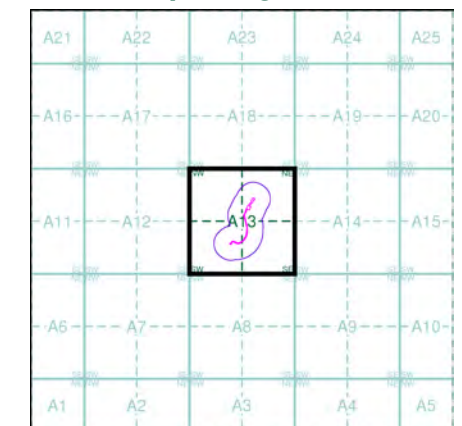
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

## Map Name(s) and Date(s)



## Historical Map - Segment A13



## Order Details

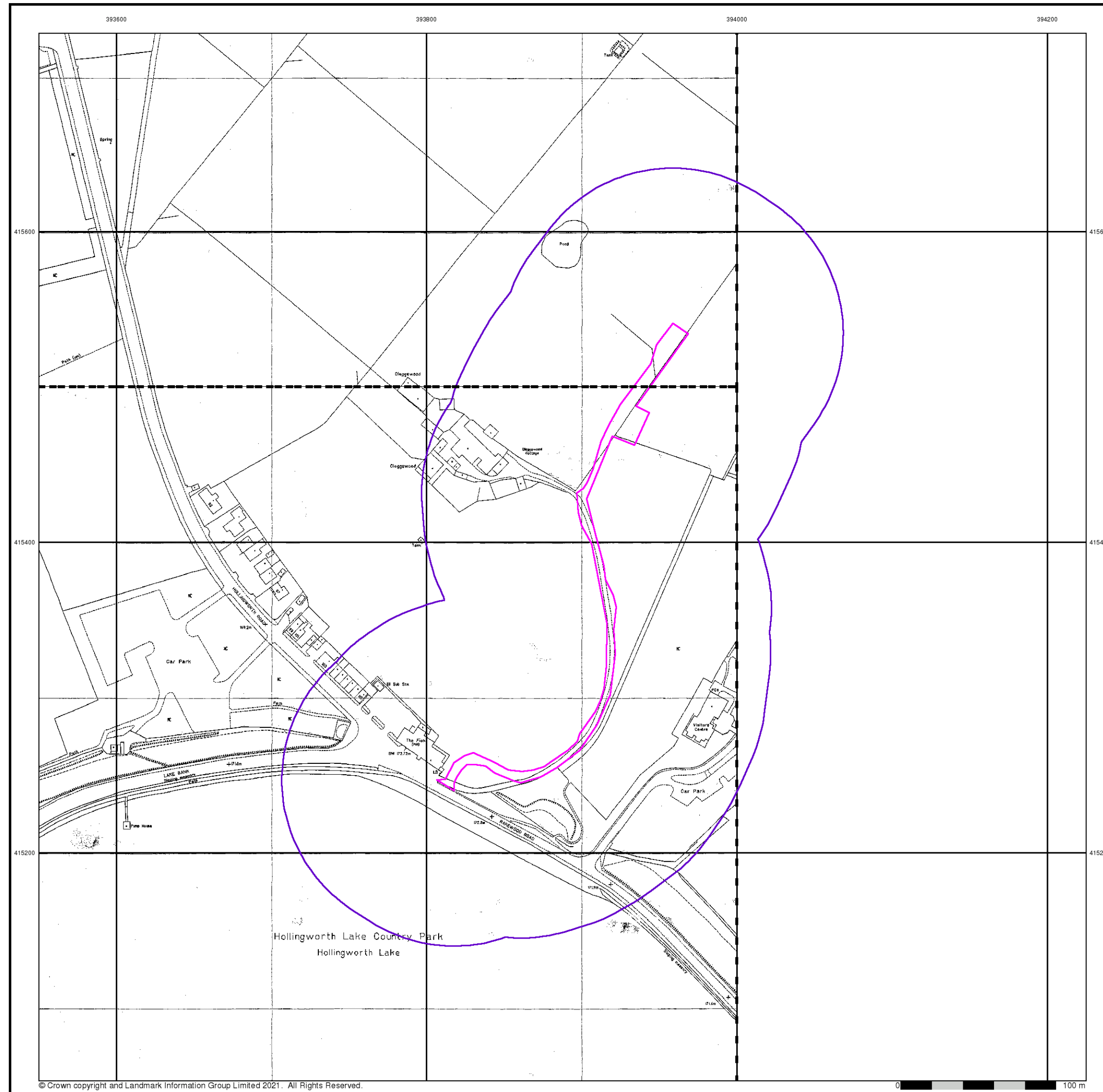
Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 100

## Site Details

Land at, LITTLEBOROUGH, OL15 0AZ







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## Large-Scale National Grid Data

Published 1992

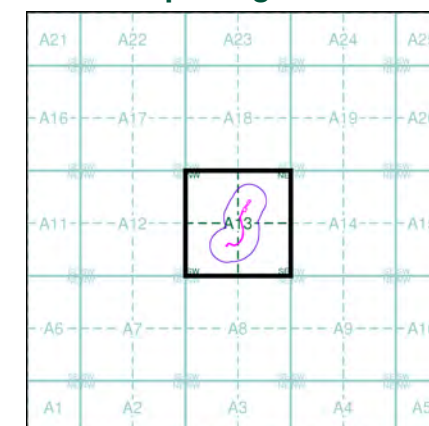
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

### Map Name(s) and Date(s)

SD9315NE  
1992  
1:1,250  
SD9315SE  
1992  
1:1,250

### Historical Map - Segment A13

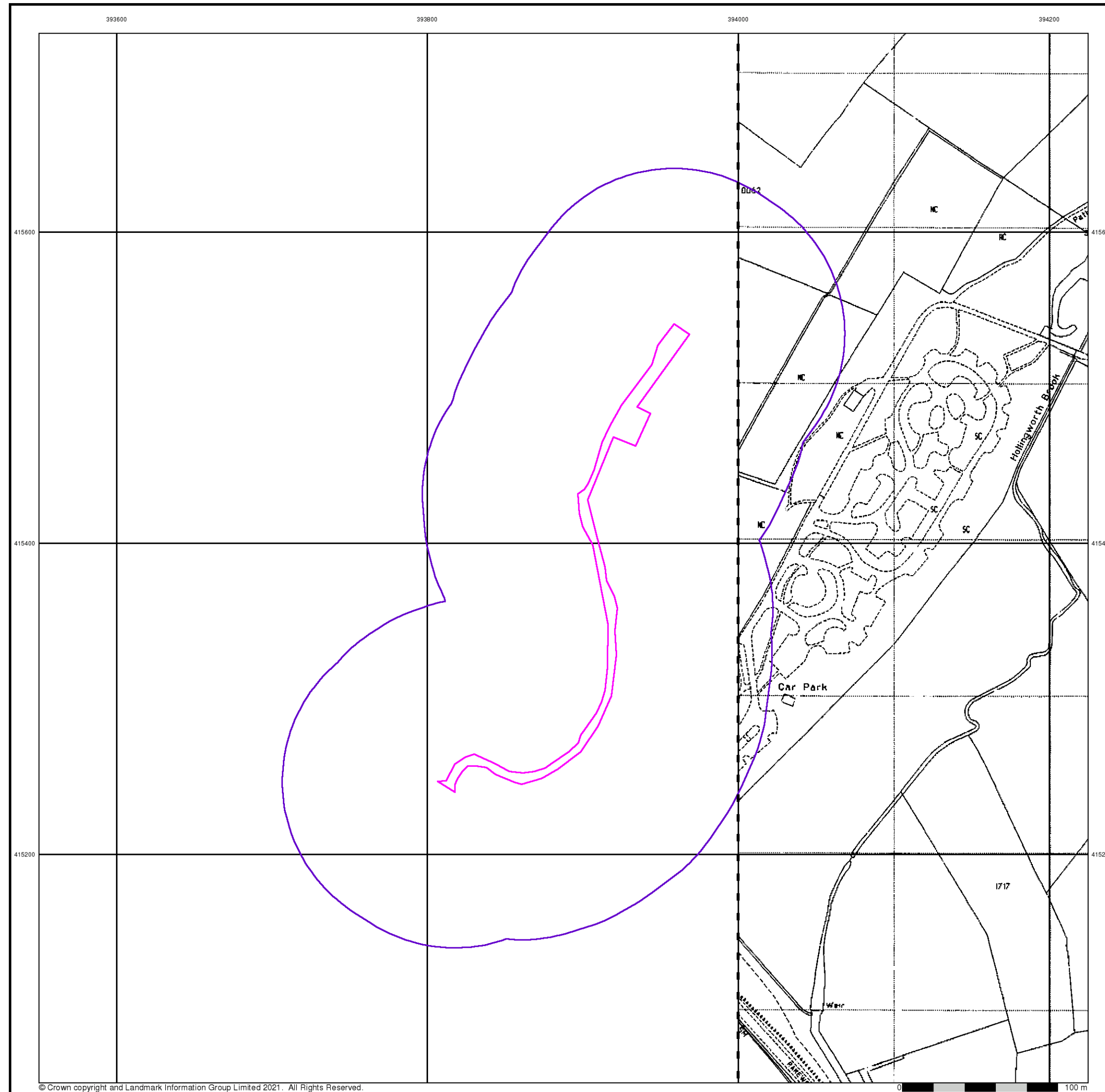


### Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 100

### Site Details

Land at, LITTLEBOROUGH, OL15 0AZ



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0 100 m

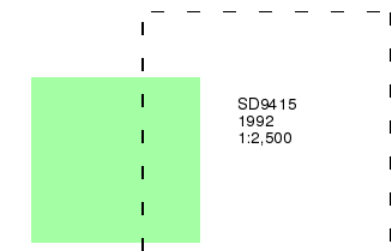
## Large-Scale National Grid Data

Published 1992

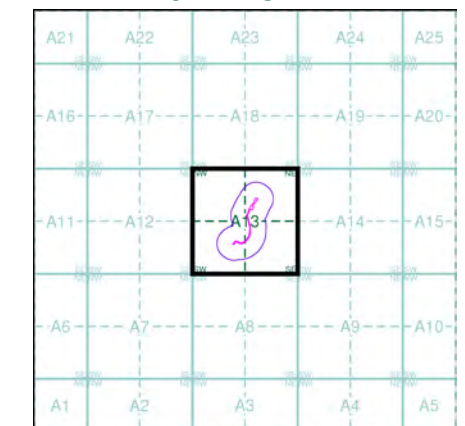
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 100

### Site Details

Land at, LITTLEBOROUGH, OL15 0AZ



## **APPENDIX 3**

### **LANDMARK ENVIROCHECK REPORT**

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

275128498\_1\_1

**Customer Reference:**

3958

**National Grid Reference:**

393900, 415380

**Slice:**

A

**Site Area (Ha):**

0.28

**Search Buffer (m):**

1000

#### Site Details:

Land at  
LITTLEBOROUGH  
OL15 0AZ

#### Client Details:

Ms L Ellis  
FWS Consultants Ltd  
Unit 2 City West Business Park  
St Johns Road  
Meadowfield Industrial Estate  
Durham  
County Durham  
DH7 8ER



| Report Section        | Page Number |
|-----------------------|-------------|
| Summary               | -           |
| Agency & Hydrological | 1           |
| Waste                 | 46          |
| Hazardous Substances  | 49          |
| Geological            | 52          |
| Industrial Land Use   | 56          |
| Sensitive Land Use    | 62          |
| Data Currency         | 63          |
| Data Suppliers        | 68          |
| Useful Contacts       | 69          |

## Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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## Report Version v53.0

| Data Type                                                     | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Agency &amp; Hydrological</b>                              |             |         |           |             |                             |
| BGS Groundwater Flooding Susceptibility                       | pg 1        | Yes     | Yes       | Yes         | n/a                         |
| Contaminated Land Register Entries and Notices                |             |         |           |             |                             |
| Discharge Consents                                            | pg 3        |         | 2         | 3           | 16                          |
| Prosecutions Relating to Controlled Waters                    |             |         | n/a       | n/a         | n/a                         |
| Enforcement and Prohibition Notices                           |             |         |           |             |                             |
| Integrated Pollution Controls                                 | pg 8        |         |           | 10          |                             |
| Integrated Pollution Prevention And Control                   |             |         |           |             |                             |
| Local Authority Integrated Pollution Prevention And Control   |             |         |           |             |                             |
| Local Authority Pollution Prevention and Controls             | pg 10       |         |           |             | 3                           |
| Local Authority Pollution Prevention and Control Enforcements |             |         |           |             |                             |
| Nearest Surface Water Feature                                 | pg 10       |         | Yes       |             |                             |
| Pollution Incidents to Controlled Waters                      | pg 10       |         | 2         |             | 30                          |
| Prosecutions Relating to Authorised Processes                 |             |         |           |             |                             |
| Registered Radioactive Substances                             |             |         |           |             |                             |
| River Quality                                                 | pg 16       |         |           |             | 5                           |
| River Quality Biology Sampling Points                         | pg 17       |         |           |             | 1                           |
| River Quality Chemistry Sampling Points                       | pg 18       |         |           |             | 2                           |
| Substantiated Pollution Incident Register                     | pg 19       |         |           |             | 2                           |
| Water Abstractions                                            | pg 20       |         |           |             | 22 (*16)                    |
| Water Industry Act Referrals                                  |             |         |           |             |                             |
| Groundwater Vulnerability Map                                 | pg 29       | Yes     | n/a       | n/a         | n/a                         |
| Groundwater Vulnerability - Soluble Rock Risk                 |             |         | n/a       | n/a         | n/a                         |
| Bedrock Aquifer Designations                                  | pg 29       | Yes     | n/a       | n/a         | n/a                         |
| Superficial Aquifer Designations                              |             |         | n/a       | n/a         | n/a                         |
| Source Protection Zones                                       | pg 29       |         |           |             | 2                           |
| Extreme Flooding from Rivers or Sea without Defences          |             |         |           | n/a         | n/a                         |
| Flooding from Rivers or Sea without Defences                  |             |         |           | n/a         | n/a                         |
| Areas Benefiting from Flood Defences                          |             |         |           | n/a         | n/a                         |
| Flood Water Storage Areas                                     |             |         |           | n/a         | n/a                         |
| Flood Defences                                                |             |         |           | n/a         | n/a                         |
| OS Water Network Lines                                        | pg 30       |         | 5         | 18          | 115                         |



| Data Type                                                           | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Waste</b>                                                        |             |         |           |             |                             |
| BGS Recorded Landfill Sites                                         | pg 46       |         | 1         |             | 3                           |
| Historical Landfill Sites                                           | pg 46       |         | 1         |             | 3                           |
| Integrated Pollution Control Registered Waste Sites                 |             |         |           |             |                             |
| Licensed Waste Management Facilities (Landfill Boundaries)          |             |         |           |             |                             |
| Licensed Waste Management Facilities (Locations)                    |             |         |           |             |                             |
| Local Authority Landfill Coverage                                   | pg 47       | 1       | n/a       | n/a         | n/a                         |
| Local Authority Recorded Landfill Sites                             |             |         |           |             |                             |
| Registered Landfill Sites                                           | pg 47       |         |           |             | 1                           |
| Registered Waste Transfer Sites                                     |             |         |           |             |                             |
| Registered Waste Treatment or Disposal Sites                        | pg 48       |         |           |             | 1                           |
| <b>Hazardous Substances</b>                                         |             |         |           |             |                             |
| Control of Major Accident Hazards Sites (COMAH)                     | pg 49       |         |           | 1           |                             |
| Explosive Sites                                                     |             |         |           |             |                             |
| Notification of Installations Handling Hazardous Substances (NIHHS) | pg 49       |         |           | 1           |                             |
| Planning Hazardous Substance Consents                               | pg 49       |         |           | 9           | 3                           |
| Planning Hazardous Substance Enforcements                           |             |         |           |             |                             |
| <b>Geological</b>                                                   |             |         |           |             |                             |
| BGS 1:625,000 Solid Geology                                         | pg 52       | Yes     | n/a       | n/a         | n/a                         |
| BGS Recorded Mineral Sites                                          | pg 52       |         |           | 2           | 8                           |
| CBSCB Compensation District                                         |             |         | n/a       | n/a         | n/a                         |
| Coal Mining Affected Areas                                          | pg 53       | Yes     | n/a       | n/a         | n/a                         |
| Mining Instability                                                  | pg 53       | Yes     | n/a       | n/a         | n/a                         |
| Man-Made Mining Cavities                                            |             |         |           |             |                             |
| Natural Cavities                                                    |             |         |           |             |                             |
| Non Coal Mining Areas of Great Britain                              |             |         |           | n/a         | n/a                         |
| Potential for Collapsible Ground Stability Hazards                  | pg 54       | Yes     | Yes       | n/a         | n/a                         |
| Potential for Compressible Ground Stability Hazards                 | pg 54       |         | Yes       | n/a         | n/a                         |
| Potential for Ground Dissolution Stability Hazards                  |             |         |           | n/a         | n/a                         |
| Potential for Landslide Ground Stability Hazards                    | pg 54       | Yes     | Yes       | n/a         | n/a                         |
| Potential for Running Sand Ground Stability Hazards                 | pg 55       |         | Yes       | n/a         | n/a                         |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards   | pg 55       | Yes     | Yes       | n/a         | n/a                         |
| Radon Potential - Radon Affected Areas                              |             |         | n/a       | n/a         | n/a                         |
| Radon Potential - Radon Protection Measures                         |             |         | n/a       | n/a         | n/a                         |

| Data Type                            | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m<br>(*up to 2000m) |
|--------------------------------------|-------------|---------|-----------|-------------|--------------------------------|
| <b>Industrial Land Use</b>           |             |         |           |             |                                |
| Contemporary Trade Directory Entries | pg 56       |         |           | 4           | 61                             |
| Fuel Station Entries                 | pg 61       |         |           |             | 1                              |
| Gas Pipelines                        |             |         |           |             |                                |
| Underground Electrical Cables        |             |         |           |             |                                |
| <b>Sensitive Land Use</b>            |             |         |           |             |                                |
| Ancient Woodland                     | pg 62       |         |           |             | 1                              |
| Areas of Adopted Green Belt          | pg 62       | 1       |           |             |                                |
| Areas of Unadopted Green Belt        |             |         |           |             |                                |
| Areas of Outstanding Natural Beauty  |             |         |           |             |                                |
| Environmentally Sensitive Areas      |             |         |           |             |                                |
| Forest Parks                         |             |         |           |             |                                |
| Local Nature Reserves                |             |         |           |             |                                |
| Marine Nature Reserves               |             |         |           |             |                                |
| National Nature Reserves             |             |         |           |             |                                |
| National Parks                       |             |         |           |             |                                |
| Nitrate Sensitive Areas              |             |         |           |             |                                |
| Nitrate Vulnerable Zones             |             |         |           |             |                                |
| Ramsar Sites                         |             |         |           |             |                                |
| Sites of Special Scientific Interest | pg 62       |         |           |             | 2                              |
| Special Areas of Conservation        | pg 62       |         |           |             | 2                              |
| Special Protection Areas             | pg 62       |         |           |             | 1                              |
| World Heritage Sites                 |             |         |           |             |                                |



| Map ID | Details                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (SE)                             | 0                            | 1       | 393897 415383 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (E)                              | 28                           | 1       | 393950 415383 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (E)                              | 79                           | 1       | 394000 415350 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (SE)                             | 84                           | 1       | 394000 415250 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (S)                              | 103                          | 1       | 393900 415150 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (E)                              | 112                          | 1       | 394050 415383 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (S)                              | 124                          | 1       | 393950 415150 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A13SE (SE)                             | 131                          | 1       | 394050 415300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SW (W)                              | 157                          | 1       | 393650 415300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (W)                              | 166                          | 1       | 393650 415350 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A13SE (E)                              | 179                          | 1       | 394100 415350 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (E)                              | 181                          | 1       | 394100 415300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SW (W)                              | 188                          | 1       | 393650 415383 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (SE)                             | 191                          | 1       | 394100 415200 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A13SE (E)                              | 201                          | 1       | 394150 415383 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13NW (W)                              | 220                          | 1       | 393650 415400 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A8NE (S)                               | 240                          | 1       | 393897 415000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (NE)                             | 241                          | 1       | 394200 415600 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13NW (W)                              | 248                          | 1       | 393650 415450 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A8NW (S)                               | 250                          | 1       | 393750 415000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A12SE (W)                              | 257                          | 1       | 393550 415300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NW (W)                              | 258                          | 1       | 393600 415400 |

| Map ID | Details                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A12SE (W)                              | 263                          | 1       | 393550 415350 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A13SE (SE)                             | 275                          | 1       | 394150 415150 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A12SE (W)                              | 277                          | 1       | 393550 415383 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NW (W)                              | 290                          | 1       | 393600 415450 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A14NW (NE)                             | 305                          | 1       | 394250 415650 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A8NE (S)                               | 305                          | 1       | 394050 415000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A12SE (W)                              | 312                          | 1       | 393500 415350 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A12SE (W)                              | 324                          | 1       | 393500 415383 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A14NW (NE)                             | 327                          | 1       | 394250 415700 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NE (W)                              | 328                          | 1       | 393550 415450 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NE (W)                              | 354                          | 1       | 393550 415500 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NE (W)                              | 368                          | 1       | 393500 415450 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A12SE (W)                              | 372                          | 1       | 393450 415383 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A18SW (N)                              | 393                          | 1       | 393800 415900 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A19SW (NE)                             | 396                          | 1       | 394300 415750 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A18SE (N)                              | 414                          | 1       | 393897 415950 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A12NE (NW)                             | 414                          | 1       | 393550 415700 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A18SW (N)                              | 416                          | 1       | 393750 415900 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A14NW (NE)                             | 417                          | 1       | 394350 415700 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A12NE (W)                              | 435                          | 1       | 393400 415400 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A18SW (NW)                             | 437                          | 1       | 393650 415850 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A14NW (NE)                             | 437                          | 1       | 394400 415600 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A18SW (N)                              | 439                          | 1       | 393800<br>415950 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A8NW (S)                               | 441                          | 1       | 393800<br>414800 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A18SW (NW)                             | 443                          | 1       | 393600<br>415800 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A14NW (NE)                             | 447                          | 1       | 394400<br>415650 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A18SW (N)                              | 460                          | 1       | 393750<br>415950 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A19SW (NE)                             | 465                          | 1       | 394350<br>415800 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A18SW (N)                              | 472                          | 1       | 393850<br>416000 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A18SW (NW)                             | 474                          | 1       | 393650<br>415900 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A8NW (S)                               | 490                          | 1       | 393850<br>414750 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | A12NE (W)                              | 500                          | 1       | 393350<br>415450 |
| 1      | <b>Discharge Consents</b><br>Operator: Stannard Homes<br>Property Type: Domestic Property (Multiple)<br>Location: Cleggswood Farm, Hollingworth Lake, Littleborough, Rochdale<br>Authority: Environment Agency, North West Region<br>Catchment Area: Roch<br>Reference: 016993939<br>Permit Version: 2<br>Effective Date: 30th November 2012<br>Issued Date: 30th November 2012<br>Revocation Date: 15th September 2009<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Environment: Land/Soakaway<br>Receiving Water: Land Via Soakaway<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                                  | A13NW (NW)                             | 18                           | 2       | 393880<br>415420 |
| 1      | <b>Discharge Consents</b><br>Operator: Stannard Homes<br>Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)<br>Location: Cleggswood Farm, Hollingworth Lake, Littleborough, Rochdale<br>Authority: Environment Agency, North West Region<br>Catchment Area: Roch<br>Reference: 016993939<br>Permit Version: 1<br>Effective Date: 23rd August 2007<br>Issued Date: 23rd August 2007<br>Revocation Date: 15th September 2009<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge Environment: Land/Soakaway<br>Receiving Water: Land Via Soakaway<br><b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A13NW (NW)                             | 18                           | 2       | 393880<br>415420 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 2      | <b>Discharge Consents</b><br>Operator: John Lowe<br>Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)<br>Location: 1 & 2 Bearhill Rakewood Rd, Hollingworth Lake, Littleborough, Lancashire, OL15 0aq<br>Authority: Environment Agency, North West Region<br>Catchment Area: Roch<br>Reference: 01m/690<br>Permit Version: 1<br>Effective Date: 6th September 1963<br>Issued Date: 6th September 1963<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Unknown<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 10m                                                                              | A8NE (SE)                              | 308                          | 2       | 394096 415030 |
| 3      | <b>Discharge Consents</b><br>Operator: Rochdale Metropolitan Borough Council<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Hollingworth Lake Visitors Centre Hollingworth Lake County Park, Rakewood Road, Littleborough, Rochdale, Lancashire<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016990310<br>Permit Version: 2<br>Effective Date: 31st October 1983<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Hollingworth Brook<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 100m | A13SE (SE)                             | 343                          | 2       | 394200 415100 |
| 3      | <b>Discharge Consents</b><br>Operator: Rochdale Metropolitan Borough Council<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Hollingworth Lake Visitors Centre Hollingworth Lake County Park, Rakewood Road, Littleborough, Rochdale, Lancashire<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 016990310<br>Permit Version: 1<br>Effective Date: 1st July 1981<br>Issued Date: Not Supplied<br>Revocation Date: 30th October 1983<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Hollingworth Brook<br><b>Status:</b> Authorisation revoked<br>Positional Accuracy: Located by supplier to within 100m                                               | A13SE (SE)                             | 343                          | 2       | 394200 415100 |
| 4      | <b>Discharge Consents</b><br>Operator: Mrs J D Bamford<br>Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)<br>Location: 3, 5 & 7 Hollingworth Fold (3/5, Syke Rd, Littleborough, Lancashire, OL15 0aj<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01m/872<br>Permit Version: 1<br>Effective Date: 29th November 1963<br>Issued Date: 29th November 1963<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Unknown<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 10m                                                                     | A9NW (SE)                              | 512                          | 2       | 394234 414880 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 4      | <b>Discharge Consents</b><br>Operator: Pauline Ashworth<br>Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)<br>Location: 3, 5 & 7 Hollingworth Fold (3/5, Syke Rd, Littleborough, Lancashire, OL15 0aj<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01m/872<br>Permit Version: 1<br>Effective Date: 29th November 1963<br>Issued Date: 29th November 1963<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Unknown<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 10m        | A9NW (SE)                              | 512                          | 2       | 394234<br>414880 |
| 4      | <b>Discharge Consents</b><br>Operator: Rochdale M.B.C.<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Hollingworth Fold Cottage, Syke Rd, Littleborough, Lancashire, OL15 0aj<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016992358<br>Permit Version: 1<br>Effective Date: 27th October 1977<br>Issued Date: 27th October 1977<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Trib Of Hollingworth Brook<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 100m | A9NW (SE)                              | 536                          | 2       | 394270<br>414880 |
| 5      | <b>Discharge Consents</b><br>Operator: Mr Brian Jackson<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: 1 Hollingworth Fold, Syke Rd, Littleborough, Lancashire, OL15 0aj<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01m/78<br>Permit Version: 1<br>Effective Date: 25th January 1963<br>Issued Date: 25th January 1963<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Ealees Brook<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 10m                     | A9NW (SE)                              | 600                          | 2       | 394317<br>414837 |
| 6      | <b>Discharge Consents</b><br>Operator: Ministry Of Defence<br>Property Type: Not Given<br>Location: Greater Manchester Council , The Pavilion , Off Rakewood Road , LITT<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 69/150/19<br>Permit Version: Not Supplied<br>Effective Date: Not Supplied<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Effluent Discharge-Treated Effluent<br>Discharge: Unknown<br>Environment:<br>Receiving Water: Not Supplied<br><b>Status:</b> Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                               | A8SW (S)                               | 602                          | 2       | 393700<br>414650 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 7      | <b>Discharge Consents</b><br>Operator: The Sea Cadet Association<br>Property Type: SPORT, AMUSEMENT+RECREATION/GOLF CLUB/GYM/THEME PK/SPA<br>Location: Pennine Boating Station Hollingworth Lake, Littleborough, Rochdale, Lancashire, OL15 0at<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 016993393<br>Permit Version: 1<br>Effective Date: 23rd February 2001<br>Issued Date: 23rd February 2001<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Lake/Reservoir - with outlet<br>Environment:<br>Receiving Water: Hollingworth Lake<br><b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 655                          | 2       | 393740<br>414590 |
| 8      | <b>Discharge Consents</b><br>Operator: Mr 7 Mrs P Shaw<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Lane Foot Farm, Ealees, Littleborough, Lancashire, OL16 0hj<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 0168/785<br>Permit Version: 1<br>Effective Date: 12th February 1968<br>Issued Date: 12th February 1968<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Unknown<br>Environment:<br>Receiving Water: Unknown<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 10m                                                                                                              | A19SW (NE)                             | 691                          | 2       | 394520<br>415950 |
| 9      | <b>Discharge Consents</b><br>Operator: Mr Ricky J Caulcutt<br>Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)<br>Location: Old Mill Cottage And Millstone Cottage, Ealees, Littleborough, Lancashire, OL15 0hj<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 0171/1359<br>Permit Version: 2<br>Effective Date: 3rd March 2008<br>Issued Date: 3rd March 2008<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Ealees Brook<br><b>Status:</b> Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 100m                                                    | A19NW (NE)                             | 743                          | 2       | 394300<br>416200 |
| 9      | <b>Discharge Consents</b><br>Operator: Mr Johnathan Paul Hargreaves<br>Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)<br>Location: Old Mill Cottage And Millstone Cottage, Ealees, Littleborough, Lancashire, OL15 0hj<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 0171/1359<br>Permit Version: 2<br>Effective Date: 3rd March 2008<br>Issued Date: 3rd March 2008<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Ealees Brook<br><b>Status:</b> Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 100m                                           | A19NW (NE)                             | 743                          | 2       | 394300<br>416200 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 9      | <b>Discharge Consents</b><br>Operator: Mr Ricky J Caulcutt<br>Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)<br>Location: Old Mill Cottage And Millstone Cottage, Ealees, Littleborough, Lancashire, OL15 0hj<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 0171/1359<br>Permit Version: 1<br>Effective Date: 11th May 1971<br>Issued Date: 11th May 1971<br>Revocation Date: 2nd March 2008<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Unknown<br>Environment:<br>Receiving Water: Unknown<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 100m  | A19NW (NE)                             | 743                          | 2       | 394300<br>416200 |
| 10     | <b>Discharge Consents</b><br>Operator: Mrs J Shaw<br>Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)<br>Location: Shore House, Ealees, Littleborough, Lancashire, OL15 0hj<br>Authority: Environment Agency, North West Region<br>Catchment Area: Roch<br>Reference: 016993855<br>Permit Version: 1<br>Effective Date: 4th July 2006<br>Issued Date: 4th July 2006<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Shore Brook<br><b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 10m | A19SW (NE)                             | 747                          | 2       | 394560<br>415990 |
| 11     | <b>Discharge Consents</b><br>Operator: British Rail<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Access Ramp & Car Park Swo, Adjacent Littleborough Car Park, Littleborough, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016991149<br>Permit Version: 1<br>Effective Date: 23rd October 1991<br>Issued Date: Not Supplied<br>Revocation Date: 23rd October 1991<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: River Roch<br><b>Status:</b> Authorisation revoked<br>Positional Accuracy: Located by supplier to within 100m                                          | A18NW (N)                              | 776                          | 2       | 393800<br>416300 |
| 12     | <b>Discharge Consents</b><br>Operator: R Hill<br>Property Type: Not Given<br>Location: Hollingworth Lakeside Pumping Station , OL15 0DD<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016993258-01<br>Permit Version: Not Supplied<br>Effective Date: Not Supplied<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Emergency overflow/SW<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Emergency Sewage Eff; Outlet To Watercourse; Hollingworth Lake<br><b>Status:</b> Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                                                           | A7SE (SW)                              | 781                          | 2       | 393250<br>414700 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 12     | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Lakeside Ps, Hollingworth Lake, Littleborough, Lancashire<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016993258<br>Permit Version: 1<br>Effective Date: 20th March 1998<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Storm /emergency overflow<br>Discharge: Lake/Reservoir - with outlet<br>Environment:<br>Receiving Water: Hollingworth Lake<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 100m              | A7SE (SW)                              | 784                          | 2       | 393250 414695 |
| 13     | <b>Discharge Consents</b><br>Operator: Mr. Frank Mills<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Round House Farm, Rakewood, Littleborough, Oldham, OL15 0at<br>Authority: Environment Agency, North West Region<br>Catchment Area: Roch<br>Reference: 016993459<br>Permit Version: 2<br>Effective Date: 7th March 2013<br>Issued Date: 7th March 2013<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage And Trade Combined - Unspecified<br>Discharge: Land/Soakaway<br>Environment:<br>Receiving Water: Ground Water<br><b>Status:</b> New issued under EPR 2010<br>Positional Accuracy: Located by supplier to within 10m                                                                                     | A8SE (S)                               | 877                          | 2       | 394160 414420 |
| 13     | <b>Discharge Consents</b><br>Operator: Mr. Frank Mills<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Round House Farm, Rakewood, Littleborough, Oldham, OL15 0at<br>Authority: Environment Agency, North West Region<br>Catchment Area: Roch<br>Reference: 016993459<br>Permit Version: 1<br>Effective Date: 23rd December 2002<br>Issued Date: 23rd December 2002<br>Revocation Date: 6th March 2013<br>Discharge Type: Sewage And Trade Combined - Unspecified<br>Discharge: Land/Soakaway<br>Environment:<br>Receiving Water: Ground Water<br><b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 877                          | 2       | 394160 414420 |
| 14     | <b>Prosecutions Relating to Controlled Waters</b><br>Location: Ealees Brook, Ealees Mill, Egerton Street, Littleborough<br>Prosecution Text: Allowing chemical effluent to enter a watercourse<br>Prosecution Act: Wra91 S85(1)<br>Hearing Date: 19th May 2009<br>Verdict: Guilty<br>Fine: 12000<br>Cost: 2552<br>Positional Accuracy: Manually positioned within the geographical locality                                                                                                                                                                                                                                                                                                                                                                        | A18NE (N)                              | 740                          | 2       | 394187 416244 |
| 15     | <b>Integrated Pollution Controls</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Environment Agency, North West Region<br>Permit Reference: AK3412<br>Dated: 21st February 1994<br>Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation<br>Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address                                                                                                                               | A17SE (NW)                             | 464                          | 2       | 393530 415732 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 15     | <b>Integrated Pollution Controls</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, LITTLEBOROUGH, LANCASHIRE, OL15 0BA<br>Authority: Environment Agency, North West Region<br>Permit Reference: BG8181<br>Dated: 11th November 1999<br>Process Type: IPC new application<br>Description: 4.5 A (O) Inorganic Chemical processes within the Chemical Industry<br><b>Status: Authorisation superseded by a substantial or non substantial variation</b><br>Positional Accuracy: Automatically positioned to the address                                                                            | A17SE (NW)                             | 467                          | 2       | 393530 415737 |
| 15     | <b>Integrated Pollution Controls</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Environment Agency, North West Region<br>Permit Reference: AG5552<br>Dated: 17th February 1993<br>Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation<br>Description: 1.3 A (C) Combustion processes within the Fuel & Power Industry<br><b>Status: Authorisation superseded by a substantial or non substantial variation</b><br>Positional Accuracy: Automatically positioned to the address | A17SE (NW)                             | 467                          | 2       | 393530 415737 |
| 15     | <b>Integrated Pollution Controls</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Environment Agency, North West Region<br>Permit Reference: AJ3948<br>Dated: 16th September 1993<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 1.3 A (C) Combustion processes within the Fuel & Power Industry<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Automatically positioned to the address                                                                                        | A17SE (NW)                             | 468                          | 2       | 393525 415732 |
| 15     | <b>Integrated Pollution Controls</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Environment Agency, North West Region<br>Permit Reference: BI3412<br>Dated: 5th September 2001<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Automatically positioned to the address                                                                         | A17SE (NW)                             | 471                          | 2       | 393525 415737 |
| 15     | <b>Integrated Pollution Controls</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, Lancashire, OL15 0BA<br>Authority: Environment Agency, North West Region<br>Permit Reference: Bj8448<br>Dated: 20th December 2000<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry<br><b>Status: Authorisation superseded by a substantial or non substantial variation</b><br>Positional Accuracy: Automatically positioned to the address                        | A17SE (NW)                             | 471                          | 2       | 393525 415737 |
| 15     | <b>Integrated Pollution Controls</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, LITTLEBOROUGH, LANCASHIRE, OL15 0BA<br>Authority: Environment Agency, North West Region<br>Permit Reference: Bi3148<br>Dated: 8th June 2000<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.5 A (O) Inorganic Chemical processes within the Chemical Industry<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Automatically positioned to the address                                                                                          | A17SE (NW)                             | 471                          | 2       | 393525 415737 |
| 15     | <b>Integrated Pollution Controls</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Environment Agency, North West Region<br>Permit Reference: BD6522<br>Dated: 24th November 1998<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry<br><b>Status: Authorisation superseded by a substantial or non substantial variation</b><br>Positional Accuracy: Automatically positioned to the address                        | A17SE (NW)                             | 471                          | 2       | 393525 415737 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 15     | <b>Integrated Pollution Controls</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Environment Agency, North West Region<br>Permit Reference: AF6600<br>Dated: 26th June 1992<br>Process Type: Withdrawn IPC application<br>Description: 1.1 A (A) Gasification and associated processes within the Fuel & Power Industry<br><b>Status:</b> Application deemed withdrawn<br>Positional Accuracy: Automatically positioned to the address                                                                               | A17SE (NW)                             | 471                          | 2       | 393525 415737 |
| 15     | <b>Integrated Pollution Controls</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Environment Agency, North West Region<br>Permit Reference: AW1454<br>Dated: 3rd November 1997<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 4.2 A (C) Manufacture and use of Organic Chemicals within the Chemical Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW)                             | 478                          | 2       | 393520 415742 |
| 16     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Littleborough Service StationMurco Petroleum Ltd<br>Location: 113 Church Street, Littleborough, MIDDLETON, Lancashire, OL15 8JA<br>Authority: Rochdale Metropolitan Borough Council, Environmental Health Department<br>Permit Reference: 77/09<br>Dated: Not Supplied<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br><b>Status:</b> Authorised<br>Positional Accuracy: Manually positioned to the address or location                                            | A17NE (NW)                             | 859                          | 3       | 393451 416233 |
| 17     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Belden Cdt<br>Location: Stockton Street, Littleborough, OL15<br>Authority: Rochdale Metropolitan Borough Council, Environmental Health Department<br>Permit Reference: P120/06<br>Dated: Not Supplied<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/23 Coating of metal and plastic<br><b>Status:</b> Authorised<br>Positional Accuracy: Located by supplier to within 10m                                                                                                                    | A17NE (NW)                             | 1000                         | 3       | 393329 416317 |
| 17     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Raydex/Cdt Ltd<br>Location: Python Mill, Littleborough, Lancashire, OL15 8YJ<br>Authority: Rochdale Metropolitan Borough Council, Environmental Health Department<br>Permit Reference: 120/06<br>Dated: Not Supplied<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/23 Coating of metal and plastic<br><b>Status:</b> Permitted<br>Positional Accuracy: Manually positioned to the address or location                                                                                         | A17NE (NW)                             | 1000                         | 3       | 393329 416318 |
|        | <b>Nearest Surface Water Feature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A13SW (SW)                             | 18                           | -       | 393805 415227 |
| 18     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Road<br>Location: Hollingworth Lake<br>Authority: Environment Agency, North West Region<br>Pollutant: Oils - Unknown<br>Note: Hollingworth Lake; Oil<br>Incident Date: 17th January 1997<br>Incident Reference: 97620087<br>Catchment Area: Roch<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Other Cause<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                | A13SE (SE)                             | 82                           | 2       | 394000 415300 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 19     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: No Premises Identified<br>Location: Hollingworth Lake, Littlebor<br>Authority: Environment Agency, North West Region<br>Pollutant: Organic Chemicals : Other Organic Wastes<br>Note: Not Supplied<br>Incident Date: 31st January 1999<br>Incident Reference: 630<br>Catchment Area: Roch<br>Receiving Water: Not Given<br>Cause of Incident: Other Cause<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                          | A13SW (SW)                             | 120                          | 2       | 393700<br>415300 |
| 20     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Chemical industry<br>Location: River Rochdale Canal<br>Authority: Environment Agency, North West Region<br>Pollutant: Other Sewage<br>Note: Effluent In Canal<br>Incident Date: 6th June 1998<br>Incident Reference: SO981026<br>Catchment Area: Rochdale Canal<br>Receiving Water: Canal<br>Cause of Incident: Ineffective Pumping<br>Incident Severity: Category 2 - Significant Incident<br>Positional Accuracy: Located by supplier to within 100m                                         | A12NE (NW)                             | 564                          | 2       | 393400<br>415700 |
| 21     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Oils - Unknown<br>Note: Longden End Brook<br>Incident Date: 10th May 1991<br>Incident Reference: 91620706<br>Catchment Area: Roch<br>Receiving Water: Not Given<br>Cause of Incident: Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                         | A14SW (E)                              | 580                          | 2       | 394500<br>415300 |
| 22     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Pollution Found Source Not Determined<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Natural<br>Note: Hollingworth Lake; Blue-Green Algae<br>Incident Date: 9th October 1996<br>Incident Reference: 96622172<br>Catchment Area: Rochdale Canal<br>Receiving Water: Not Given<br>Cause of Incident: Algal Bloom<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A7SE (SW)                              | 627                          | 2       | 393500<br>414700 |
| 23     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Industrial Effluent<br>Note: Rochdale Canal; Fatty Amine<br>Incident Date: 2nd December 1993<br>Incident Reference: 93622226<br>Catchment Area: Rochdale Canal<br>Receiving Water: Not Given<br>Cause of Incident: Unknown<br>Incident Severity: Category 2 - Significant Incident<br>Positional Accuracy: Located by supplier to within 100m                      | A12NW (NW)                             | 747                          | 2       | 393200<br>415700 |
| 24     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Peel Street, LITTLEBOROUGH<br>Authority: Environment Agency, North West Region<br>Pollutant: Oils - Unknown<br>Note: Oil To River<br>Incident Date: 18th June 1998<br>Incident Reference: SO981156<br>Catchment Area: Roch<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Other Cause<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                   | A18NW (N)                              | 751                          | 2       | 393600<br>416200 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 25     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: River Roch; No Pollution Found<br>Incident Date: 22nd July 1995<br>Incident Reference: 95621832<br>Catchment Area: Roch<br>Receiving Water: Not Given<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                   | A18NE (N)                              | 757                          | 2       | 393900<br>416295 |
| 25     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Colour<br>Note: River Roch<br>Incident Date: 20th July 1995<br>Incident Reference: 95621828<br>Catchment Area: Roch<br>Receiving Water: Not Given<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                        | A18NE (N)                              | 762                          | 2       | 393900<br>416300 |
| 26     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Foam On Rochdale Canal, Hollingworth Road , LITTLEBOROUGH<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Foam<br>Note: Not Supplied<br>Incident Date: 25th August 1998<br>Incident Reference: SO981538<br>Catchment Area: Rochdale Canal<br>Receiving Water: Canal<br>Cause of Incident: Natural Causes<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A18NW (N)                              | 771                          | 2       | 393800<br>416295 |
| 27     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Abandoned mine<br>Location: River Roch, LITTLEBOROUGH<br>Authority: Environment Agency, North West Region<br>Pollutant: Mining Water<br>Note: Bright Orange In Colour<br>Incident Date: 22nd October 1998<br>Incident Reference: SO982047<br>Catchment Area: Roch<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Natural Causes<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                | A18NE (N)                              | 773                          | 2       | 394100<br>416300 |
| 28     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Oils - Other Oil<br>Note: River Roch<br>Incident Date: 24th June 1994<br>Incident Reference: 94621385<br>Catchment Area: Roch<br>Receiving Water: Not Given<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                              | A17SW (NW)                             | 781                          | 2       | 393205<br>415795 |
| 28     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Foam<br>Note: Not Supplied<br>Incident Date: 29th June 1995<br>Incident Reference: 95621590<br>Catchment Area: Rochdale Canal<br>Receiving Water: Not Given<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m              | A17SW (NW)                             | 786                          | 2       | 393200<br>415795 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 28     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Spillage; Accident - Static Site<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Chemicals - Other Organic<br>Note: Rochdale Canal; Stearic Acid<br>Incident Date: 6th August 1995<br>Incident Reference: 95621999<br>Catchment Area: Rochdale Canal<br>Receiving Water: Not Given<br>Cause of Incident: Accidental Spillage/Leakage<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                 | A17SW (NW)                             | 788                          | 2       | 393200<br>415800 |
| 29     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Mud/Clay/Soil<br>Note: Ealees Brook<br>Incident Date: 5th December 1991<br>Incident Reference: 91621899<br>Catchment Area: Roch<br>Receiving Water: Not Given<br>Cause of Incident: Unknown<br>Incident Severity: Category 2 - Significant Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                                          | A18NE (N)                              | 797                          | 2       | 394200<br>416300 |
| 30     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: No Premises Identified<br>Location: Stubby Mill Brook, Near Hollingworth Park, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Other Pollutant<br>Note: Not Supplied<br>Incident Date: 29th November 1999<br>Incident Reference: 34291<br>Catchment Area: Not Given<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Other Cause<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                 | A17SE (NW)                             | 800                          | 2       | 393300<br>415995 |
| 30     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Manufacturing: Food & Beverage Manufacture<br>Location: River Roch, Stubble Mill Lane, Near Petrol Station, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: General Biodegradable : Vegetable Oils<br>Note: Not Supplied<br>Incident Date: 10th August 1999<br>Incident Reference: 31163<br>Catchment Area: Roch<br>Receiving Water: River Stretch (Freshwater)<br>Cause of Incident: Other Cause<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A17SE (NW)                             | 803                          | 2       | 393300<br>416000 |
| 31     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Industrial: Other<br>Location: Box Street , LITTLEBOROUGH<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Urban Runoff<br>Note: Roch; Fire Water<br>Incident Date: 27th May 1997<br>Incident Reference: 97620745<br>Catchment Area: Roch<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Fire<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                      | A18NW (N)                              | 802                          | 2       | 393700<br>416300 |
| 32     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Oils - Diesel (Including Agricultural)<br>Note: Longden End Brook<br>Incident Date: 27th May 1995<br>Incident Reference: 95621255<br>Catchment Area: Roch<br>Receiving Water: Not Given<br>Cause of Incident: Fire<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                         | A8SE (S)                               | 817                          | 2       | 394200<br>414500 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 32     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: Hollingworth Lake; No Pollution Found<br>Incident Date: 25th June 1995<br>Incident Reference: 95621538<br>Catchment Area: Roch<br>Receiving Water: Not Given<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                | A8SE (S)                               | 822                          | 2       | 394200<br>414495 |
| 33     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Boats/Ships<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: No Pollution Seen<br>Incident Date: 23rd May 1994<br>Incident Reference: 94621065<br>Catchment Area: Roch<br>Receiving Water: Groundwater<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                 | A17NE (NW)                             | 861                          | 2       | 393300<br>416095 |
| 33     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Demolition<br>Location: Featherstall Brook, Shubby Mill Road<br>Authority: Environment Agency, North West Region<br>Pollutant: Oils - Black Fuel Oil<br>Note: Not Supplied<br>Incident Date: 20th April 1998<br>Incident Reference: SO980737<br>Catchment Area: Roch<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Accidental Spillage/Leakage<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                    | A17NE (NW)                             | 864                          | 2       | 393300<br>416100 |
| 34     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Industrial Premises<br>Location: Oily Substance Discharging To, Roch Stubbleby Mill La, Ltlbrh<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Unknown<br>Note: River Roch; Not Known<br>Incident Date: 18th July 1997<br>Incident Reference: 97621370<br>Catchment Area: Roch<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m            | A17NE (NW)                             | 864                          | 2       | 393400<br>416200 |
| 35     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: No Premises Identified<br>Location: Stream to River Roche, The Arches, LITTLEBOROUGH, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Other Pollutant<br>Note: Not Supplied<br>Incident Date: 29th September 1999<br>Incident Reference: 32855<br>Catchment Area: Roch<br>Receiving Water: River Stretch (Freshwater)<br>Cause of Incident: Other Cause<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 10m           | A18NW (N)                              | 868                          | 2       | 393805<br>416395 |
| 35     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Scrapyard<br>Location: Oil Into River Roch At, Railway Arches, LITTLEBOROUGH<br>Authority: Environment Agency, North West Region<br>Pollutant: Oils - Diesel (Including Agricultural)<br>Note: River Roch; Diesel/Gas Fuel Oil<br>Incident Date: 6th October 1997<br>Incident Reference: 97621748<br>Catchment Area: Roch<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Vandalism<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A18NW (N)                              | 869                          | 2       | 393800<br>416395 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 35     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Pollution Found Source Not Determined<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Unknown<br>Note: River Roch<br>Incident Date: 3rd July 1995<br>Incident Reference: 95621626<br>Catchment Area: Roch<br>Receiving Water: Not Given<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                              | A18NW (N)                              | 874                          | 2       | 393800<br>416400 |
| 36     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Pollution Found<br>Incident Date: 13th March 1995<br>Incident Reference: 95620512<br>Catchment Area: Roch<br>Receiving Water: Not Given<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                              | A17SW (NW)                             | 878                          | 2       | 393100<br>415800 |
| 37     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Pollution Found Source Not Determined<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Chemicals - Unknown<br>Note: Roch; White Substance<br>Incident Date: 1st October 1995<br>Incident Reference: 95622424<br>Catchment Area: Roch<br>Receiving Water: Not Given<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                    | A18NE (N)                              | 893                          | 2       | 394200<br>416400 |
| 38     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Transport, Storage, Communications: Road & Rail<br>Location: River Roch, Near Stubbly Mill Lane, Lancashire<br>Authority: Environment Agency, North West Region<br>Pollutant: General Biodegradable : Vegetable Oils<br>Note: Not Supplied<br>Incident Date: 31st August 1999<br>Incident Reference: 31939<br>Catchment Area: Roch<br>Receiving Water: River Stretch (Freshwater)<br>Cause of Incident: Other Cause<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A17SW (NW)                             | 968                          | 2       | 393000<br>415795 |
| 38     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Boats/Ships<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Found<br>Incident Date: 5th October 1994<br>Incident Reference: 94622216<br>Catchment Area: Roch<br>Receiving Water: Groundwater<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                                   | A17SW (NW)                             | 970                          | 2       | 393000<br>415800 |
| 39     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Pollution Found<br>Incident Date: 16th May 1996<br>Incident Reference: 96621065<br>Catchment Area: Roch<br>Receiving Water: Not Given<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                                | A17NE (N)                              | 974                          | 2       | 393500<br>416400 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 40     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Boats/Ships<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Seen<br>Incident Date: 13th April 1994<br>Incident Reference: 94620679<br>Catchment Area: Roch<br>Receiving Water: Groundwater<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A23SE (N)                              | 989                          | 2       | 394200<br>416500 |
|        | <b>River Quality</b><br>Name: Rochdale Canal<br>GQA Grade: River Quality B<br>Reach: Qsl At Summit To Empress Processing<br>Estimated Distance (km): 27.6<br>Flow Rate: Flow greater than 80 cumecs<br>Flow Type: Canal<br>Year: 2000                                                                                                                                                                                                                                                          | A17SE (NW)                             | 588                          | 2       | 393478<br>415909 |
|        | <b>River Quality</b><br>Name: Ealees Bk<br>GQA Grade: River Quality A<br>Reach: Rochdale Canal To Roch<br>Estimated Distance (km): .1<br>Flow Rate: Flow less than 0.31 cumecs<br>Flow Type: River<br>Year: 2000                                                                                                                                                                                                                                                                               | A18NE (N)                              | 689                          | 2       | 394004<br>416228 |
|        | <b>River Quality</b><br>Name: Ealees Bk<br>GQA Grade: River Quality A<br>Reach: Qsl At Owllet Hall To Rochdale Canal<br>Estimated Distance (km): 1.6<br>Flow Rate: Flow less than 0.31 cumecs<br>Flow Type: River<br>Year: 2000                                                                                                                                                                                                                                                                | A18NE (N)                              | 697                          | 2       | 394038<br>416233 |
|        | <b>River Quality</b><br>Name: Roch<br>GQA Grade: River Quality B<br>Reach: Summit To Akzo Chemie<br>Estimated Distance (km): 3.3<br>Flow Rate: Flow less than 1.25 cumecs<br>Flow Type: River<br>Year: 2000                                                                                                                                                                                                                                                                                    | A17SE (NW)                             | 728                          | 2       | 393344<br>415970 |
|        | <b>River Quality</b><br>Name: Roch<br>GQA Grade: River Quality B<br>Reach: Akzo Chemie To Beal<br>Estimated Distance (km): 2.5<br>Flow Rate: Flow less than 1.25 cumecs<br>Flow Type: River<br>Year: 2000                                                                                                                                                                                                                                                                                      | A17SW (NW)                             | 808                          | 2       | 393175<br>415793 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 41     | <b>River Quality Biology Sampling Points</b><br>Name: Roch<br>Reach: Akzo Chemie To Beal<br>Estimated Distance: 2.50<br>Positional Accuracy: Located by supplier to within 100m<br>Year: 1990<br>GQA Grade: River Quality Biology GQA Grade F - Bad<br>Year: 1995<br>GQA Grade: River Quality Biology GQA Grade D - Fair<br>Year: 2000<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2002<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2003<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2004<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2005<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2006<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2007<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2008<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good<br>Year: 2009<br>GQA Grade: River Quality Biology GQA Grade C - Fairly Good | A17SW (NW)                             | 788                          | 2       | 393200<br>415800 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 42     | <b>River Quality Chemistry Sampling Points</b><br>Name: Ealees Brook<br>Reach: Rochdale Canal To Roch<br>Estimated Distance: 0.10<br>Objective: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m<br>Year: 1990<br>GQA Grade: Not Supplied<br>Compliance: Not Supplied<br>Year: 1993<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1994<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1995<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1996<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1997<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1998<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1999<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2000<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2001<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2002<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2003<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2004<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2005<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2006<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2007<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2008<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2009<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied | A18NE (N)                              | 802                          | 2       | 393893<br>416340 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 42     | <b>River Quality Chemistry Sampling Points</b><br>Name: Ealees Brook<br>Reach: Qsl At Owlet Hall To Rochdale Canal<br>Estimated Distance: 1.60<br>Objective: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m<br>Year: 1990<br>GQA Grade: Not Supplied<br>Compliance: Not Supplied<br>Year: 1993<br>GQA Grade: River Quality Chemistry GQA Grade B - Good<br>Compliance: Not Supplied<br>Year: 1994<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1995<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1996<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1997<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1998<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 1999<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2000<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2001<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2002<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2003<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2004<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2005<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2006<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2007<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2008<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied<br>Year: 2009<br>GQA Grade: River Quality Chemistry GQA Grade A - Very Good<br>Compliance: Not Supplied | A18NE (N)                              | 802                          | 2       | 393893 416340 |
| 43     | <b>Substantiated Pollution Incident Register</b><br>Authority: Environment Agency - North West Region, South Area<br>Incident Date: 31st May 2008<br>Incident Reference: 591953<br>Water Impact: Category 1 - Major Incident<br>Air Impact: Category 4 - No Impact<br>Land Impact: Category 4 - No Impact<br>Positional Accuracy: Located by supplier to within 10m<br>Pollutant: Inorganic Chemicals : Acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A18NE (N)                              | 712                          | 2       | 394169 416221 |
| 44     | <b>Substantiated Pollution Incident Register</b><br>Authority: Environment Agency - North West Region, South Area<br>Incident Date: 3rd June 2007<br>Incident Reference: 499854<br>Water Impact: Category 2 - Significant Incident<br>Air Impact: Category 4 - No Impact<br>Land Impact: Category 4 - No Impact<br>Positional Accuracy: Located by supplier to within 10m<br>Pollutant: Pollutant Not Identified: Not Identified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A17NE (NW)                             | 834                          | 2       | 393360 416121 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 45     | <b>Water Abstractions</b><br>Operator: Akzo Nobel Chemicals Ltd<br>Licence Number: 2569002008<br>Permit Version: 100<br>Location: Rochdale Canal At Premises Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 4546<br>Yearly Rate (m3): 1654780<br>Details: Premises At Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th November 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                      | A17SE (NW)                             | 600                          | 2       | 393450 415860 |
| 45     | <b>Water Abstractions</b><br>Operator: Akzo Nobel Chemicals Ltd<br>Licence Number: 2569002008<br>Permit Version: 100<br>Location: Rochdale Canal At Premises Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 0<br>Yearly Rate (m3): 0<br>Details: Premises At Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th November 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                             | A17SE (NW)                             | 600                          | 2       | 393450 415860 |
| 45     | <b>Water Abstractions</b><br>Operator: Akzo Nobel Chemicals Ltd<br>Licence Number: 2569002008<br>Permit Version: 100<br>Location: Rochdale Canal At Premises Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Premises At Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th November 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A17SE (NW)                             | 600                          | 2       | 393450 415860 |
| 46     | <b>Water Abstractions</b><br>Operator: Fothergill Engineered Fabrics Ltd<br>Licence Number: 2569002136<br>Permit Version: 101<br>Location: Shore Lane Brk At Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Ealees Mill, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th June 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                         | A19SW (NE)                             | 646                          | 2       | 394500 415900 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 46     | <b>Water Abstractions</b><br>Operator: Fothergill Engineered Fabrics Ltd<br>Licence Number: 2569002136<br>Permit Version: 101<br>Location: Shore Lane Brk At Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Ealees Mill, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th June 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A19SW (NE)                             | 646                          | 2       | 394500<br>415900 |
| 46     | <b>Water Abstractions</b><br>Operator: Fothergill Engineered Fabrics Ltd<br>Licence Number: 2569002136<br>Permit Version: 100<br>Location: Shore Lane Brk At Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 136<br>Yearly Rate (m3): 35641<br>Details: Ealees Mill, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 18th June 1998<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                 | A19SW (NE)                             | 646                          | 2       | 394500<br>415900 |
| 46     | <b>Water Abstractions</b><br>Operator: Fothergill Engineered Fabrics Ltd<br>Licence Number: 2569002136<br>Permit Version: 100<br>Location: Shore Lane Brk At Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Ealees Mill, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 18th June 1998<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m            | A19SW (NE)                             | 646                          | 2       | 394500<br>415900 |
| 47     | <b>Water Abstractions</b><br>Operator: Akzo Nobel Chemicals Ltd<br>Licence Number: 2569002008<br>Permit Version: 100<br>Location: Rochdale Canal At Premises Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Premises At Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th November 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m           | A18NW (N)                              | 649                          | 2       | 393630<br>416100 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 47     | <b>Water Abstractions</b><br>Operator: Akzo Nobel Chemicals Ltd<br>Licence Number: 2569002008<br>Permit Version: 100<br>Location: Rochdale Canal At Premises Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Premises At Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th November 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m        | A18NW (N)                              | 649                          | 2       | 393630<br>416100 |
| 47     | <b>Water Abstractions</b><br>Operator: Akzo Nobel Chemicals Ltd<br>Licence Number: 2569002008<br>Permit Version: 100<br>Location: Rochdale Canal At Premises Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Premises At Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th November 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                              | A18NW (N)                              | 649                          | 2       | 393630<br>416100 |
| 48     | <b>Water Abstractions</b><br>Operator: Whittaker Management Company Ltd<br>Licence Number: 2569002246<br>Permit Version: 101<br>Location: Borehole At Whittaker Farm Shore Lane Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Land & Premises At Whittaker Farm<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st April 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A14NE (E)                              | 752                          | 2       | 394720<br>415550 |
| 48     | <b>Water Abstractions</b><br>Operator: P Sutcliffe<br>Licence Number: 2569002246<br>Permit Version: 100<br>Location: Borehole At Whittaker Farm , Shore Lane , Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 18<br>Yearly Rate (m3): 2728<br>Details: Land & Premises At Whittaker Farm<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 3rd September 1991<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                | A14NE (E)                              | 752                          | 2       | 394720<br>415550 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 49     | <b>Water Abstractions</b><br>Operator: Whittaker Estate Company Ltd.<br>Licence Number: 2569002230<br>Permit Version: 101<br>Location: Unnamed Watercourse At Whittaker Golf Club, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Golf Courses: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Land At Whittaker Golf Club<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 3rd February 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                               | A19SE (NE)                             | 779                          | 2       | 394700 415800 |
| 49     | <b>Water Abstractions</b><br>Operator: Whittaker Golf Club<br>Licence Number: 2569002230<br>Permit Version: 100<br>Location: Unnamed Watercourse At Whittaker Golf Club, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Golf Courses: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 5<br>Yearly Rate (m3): 295<br>Details: Land At Whittaker Golf Club<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 23rd May 1985<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                                                 | A19SE (NE)                             | 779                          | 2       | 394700 415800 |
| 50     | <b>Water Abstractions</b><br>Operator: Whittaker Estate Company Ltd.<br>Licence Number: 2569002232<br>Permit Version: 101<br>Location: Spring Fed Storage Tank At Whittakergolf Club, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Golf Courses: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Whittaker Golf Club, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 3rd February 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                     | A14NE (E)                              | 833                          | 2       | 394800 415500 |
| 50     | <b>Water Abstractions</b><br>Operator: Whittaker Estate Company Ltd.<br>Licence Number: 2569002232<br>Permit Version: 101<br>Location: Spring Fed Storage Tank At Whittakergolf Club, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Whittaker Golf Club, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 3rd February 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A14NE (E)                              | 833                          | 2       | 394800 415500 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 50     | <b>Water Abstractions</b><br>Operator: Whittaker Golf Club<br>Licence Number: 2569002232<br>Permit Version: 100<br>Location: Spring Fed Storage Tank At Whittakergolf Club, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Golf Courses: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 5<br>Yearly Rate (m3): 459<br>Details: Whittaker Golf Club, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 19th December 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                             | A14NE (E)                              | 833                          | 2       | 394800<br>415500 |
| 50     | <b>Water Abstractions</b><br>Operator: Whittaker Golf Club<br>Licence Number: 2569002232<br>Permit Version: 100<br>Location: Spring Fed Storage Tank At Whittakergolf Club, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Whittaker Golf Club, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 19th December 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m      | A14NE (E)                              | 833                          | 2       | 394800<br>415500 |
| 51     | <b>Water Abstractions</b><br>Operator: Vita Thermoplastic Compounds Ltd<br>Licence Number: 2569002250<br>Permit Version: 101<br>Location: Borehole At Stockton Street Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Land & Premises, Stockton St, L'Boro<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 24th October 2005<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A17NE (NW)                             | 887                          | 2       | 393500<br>416300 |
| 51     | <b>Water Abstractions</b><br>Operator: Jackdaw Polymers<br>Licence Number: 2569002250<br>Permit Version: 100<br>Location: Borehole At Stockton Street Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 331<br>Yearly Rate (m3): 72730<br>Details: Land & Premises, Stockton St, L'Boro<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 10th May 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                     | A17NE (NW)                             | 887                          | 2       | 393500<br>416300 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 52     | <b>Water Abstractions</b><br>Operator: Nwwa Eastern Division<br>Licence Number: 2569002111<br>Permit Version: Not Supplied<br>Location: Borehole, Python Mill, Church Street, LITTLEBOROUGH<br>Authority: Environment Agency, North West Region<br>Abstraction: Public Water Supply<br>Abstraction Type: Not Supplied<br>Source: Groundwater<br>Daily Rate (m3): 2728<br>Yearly Rate (m3): 1000120<br>Details: Licence Status: Revoked<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                     | A17NE (NW)                             | 943                          | 2       | 393400 416300 |
| 53     | <b>Water Abstractions</b><br>Operator: Falcon Trunking Systems Ltd<br>Licence Number: 2569002262<br>Permit Version: Not Supplied<br>Location: Featherstall Brook At , LITTLEBOROUGH, Lancashire<br>Authority: Environment Agency, North West Region<br>Abstraction: Cooling<br>Abstraction Type: Not Supplied<br>Source: Surface<br>Daily Rate (m3): 48<br>Yearly Rate (m3): 10000<br>Details: Featherstall Brook<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                                          | A17SW (NW)                             | 971                          | 2       | 393100 416000 |
|        | <b>Water Abstractions</b><br>Operator: Boro Candlewick Textiles Ltd.<br>Licence Number: 2569002034<br>Permit Version: Not Supplied<br>Location: Albion Mill, LITTLEBOROUGH<br>Authority: Environment Agency, North West Region<br>Abstraction: Boiler Feed & Manufacturing<br>Abstraction Type: Not Supplied<br>Source: Surface<br>Daily Rate (m3): 68<br>Yearly Rate (m3): 17275<br>Details: Additional Purpose - Boiler Feed. Featherstall Brook<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                         | A17NW (NW)                             | 1108                         | 2       | 393000 416100 |
|        | <b>Water Abstractions</b><br>Operator: J Clegg & Bros Rakewood Ltd<br>Licence Number: 2569002047<br>Permit Version: 102<br>Location: Longden End Brk At Premises, Rakewood, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Amenity: Lake And Pond Throughflow<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Premises At Rakewood, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 4th September 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A4NE (SE)                              | 1359                         | 2       | 394600 414100 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: J Clegg Bros Rakewood Ltd<br>Licence Number: 2569002047<br>Permit Version: 101<br>Location: Longden End Brk At Premises, Rakewood, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 618<br>Yearly Rate (m3): 208352<br>Details: Premises At Rakewood, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 21st May 1999<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A4NE (SE)                              | 1359                         | 2       | 394600 414100 |
|        | <b>Water Abstractions</b><br>Operator: Whittaker Estate Company Ltd.<br>Licence Number: 2569002231<br>Permit Version: 101<br>Location: Shore Lane Brk At Littleborough, Lancs<br>Authority: Environment Agency, North West Region<br>Abstraction: Golf Courses: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Land At Whittaker Golf Club<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 3rd February 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                   | A20SE (E)                              | 1478                         | 2       | 395400 415900 |
|        | <b>Water Abstractions</b><br>Operator: Whittaker Golf Club<br>Licence Number: 2569002231<br>Permit Version: 100<br>Location: Shore Lane Brk At Littleborough, Lancs<br>Authority: Environment Agency, North West Region<br>Abstraction: Golf Courses: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 5<br>Yearly Rate (m3): 295<br>Details: Land At Whittaker Golf Club<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 23rd May 1985<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                     | A20SE (E)                              | 1478                         | 2       | 395400 415900 |
|        | <b>Water Abstractions</b><br>Operator: Walsden Printing Co Ltd<br>Licence Number: 2569002240<br>Permit Version: Not Supplied<br>Location: Town House Brook , And Gale House Reservoir , Overflow At, LITTLEBOROUGH<br>Authority: Environment Agency, North West Region<br>Abstraction: Manufacturing<br>Abstraction Type: Not Supplied<br>Source: Surface<br>Daily Rate (m3): 455<br>Yearly Rate (m3): 104560<br>Details: Not Supplied<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                       | (N)                                    | 1568                         | 2       | 393800 417100 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Walsden Printing Co Ltd<br>Licence Number: 2569002240<br>Permit Version: 100<br>Location: Town House Brook And Gale House Reservoir Overflow At Li<br>Authority: Environment Agency, North West Region<br>Abstraction: Paper And Printing: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 455<br>Yearly Rate (m3): 104560<br>Details: Land At Gale Mill, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 13th December 1996<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                | (N)                                    | 1637                         | 2       | 393800<br>417170 |
|        | <b>Water Abstractions</b><br>Operator: Harold Howarth<br>Licence Number: 2569002215<br>Permit Version: 100<br>Location: Catchpit At Higher Gale, Gale, Near Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 45<br>Yearly Rate (m3): 1659<br>Details: Premises At Gale, Nr Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th February 1974<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | (N)                                    | 1660                         | 2       | 394000<br>417200 |
|        | <b>Water Abstractions</b><br>Operator: Walsden Printing Co Ltd<br>Licence Number: 2569002240<br>Permit Version: 100<br>Location: Town House Brook And Gale House Reservoir Overflow \$111<br>Authority: Environment Agency, North West Region<br>Abstraction: Paper And Printing: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 0<br>Yearly Rate (m3): 0<br>Details: Land At Gale Mill, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 13th December 1996<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                       | (N)                                    | 1676                         | 2       | 394110<br>417210 |
|        | <b>Water Abstractions</b><br>Operator: Mr E Harrison<br>Licence Number: 2569002062<br>Permit Version: 100<br>Location: Brick Lined Catchpit At Higher Gale, Gale, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: General Agriculture; General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 3<br>Yearly Rate (m3): 996<br>Details: Lower Town House Farm, Gale<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 10th February 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                  | (N)                                    | 1765                         | 2       | 394100<br>417300 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: J Clegg & Bros Rakewood Ltd<br>Licence Number: Nw/069/0002/008<br>Permit Version: 1<br>Location: Longden End Brook Adj To Rakewood Road, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Amenity: Lake And Pond Throughflow<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 1st April 2014<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                    | (SE)                                   | 1850                         | 2       | 394803<br>413650 |
|        | <b>Water Abstractions</b><br>Operator: Quartgain Ltd<br>Licence Number: 2569002087<br>Permit Version: Not Supplied<br>Location: Premises, Shore, LITTLEBOROUGH<br>Authority: Environment Agency, North West Region<br>Abstraction: Boiler Feed<br>Abstraction Type: Not Supplied<br>Source: River<br>Daily Rate (m3): 5<br>Yearly Rate (m3): 1818<br>Details: Reservoir Fed By Surface Drainage<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                                                  | (NW)                                   | 1943                         | 2       | 392800<br>417100 |
|        | <b>Water Abstractions</b><br>Operator: Todmorden Anglers Society<br>Licence Number: 2569002271<br>Permit Version: 5<br>Location: Long Clough Brook, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: At Croft Head Reservoir, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 24th December 2018<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | (N)                                    | 1973                         | 2       | 393300<br>417400 |
|        | <b>Water Abstractions</b><br>Operator: Mr R Barber<br>Licence Number: 2569002271<br>Permit Version: 4<br>Location: Long Clough Brook, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: At Croft Head Reservoir, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 2nd January 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                 | (N)                                    | 1973                         | 2       | 393300<br>417400 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: R Barber<br>Licence Number: 2569002271<br>Permit Version: 3<br>Location: Long Clough Brook, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: At Croft Head Reservoir, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st April 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m        | (N)                                    | 1973                         | 2       | 393300<br>417400 |
|        | <b>Water Abstractions</b><br>Operator: Littleborough Angling Society<br>Licence Number: 2569001244<br>Permit Version: 100<br>Location: Long Clough Brook, Littleborough<br>Authority: Environment Agency, North West Region<br>Abstraction: Amenity: Make-Up Or Top Up Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Croft Head Reservoir, Littleborough<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 13th July 1993<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (N)                                    | 1973                         | 2       | 393300<br>417400 |
|        | <b>Groundwater Vulnerability Map</b><br>Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability<br>Combined Vulnerability: Medium<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: >550 mm/year<br>Baseflow Index: <40%<br>Superficial Patchiness: <90%<br>Superficial Thickness: 3-10m<br>Superficial Recharge: High                                                                                                                                                                                                                                      | A13SE (SE)                             | 0                            | 4       | 393897<br>415383 |
|        | <b>Groundwater Vulnerability - Soluble Rock Risk</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                              |         |                  |
|        | <b>Bedrock Aquifer Designations</b><br>Aquifer Designation: Secondary Aquifer - A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | A13SE (SE)                             | 0                            | 4       | 393897<br>415383 |
|        | <b>Superficial Aquifer Designations</b><br>No Data Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                              |         |                  |
| 54     | <b>Source Protection Zones</b><br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.                                                                                                                                                                                                                                                                                                                                                                                                                                  | A7SE (SW)                              | 923                          | 2       | 393343<br>414448 |
| 55     | <b>Source Protection Zones</b><br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.                                                                                                                                                                                                                                                                                                                                                                                                                              | A7SE (SW)                              | 924                          | 2       | 393343<br>414448 |
|        | <b>Extreme Flooding from Rivers or Sea without Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                              |         |                  |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |                              |         |                  |

| Map ID | Details                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Areas Benefiting from Flood Defences</b><br>None                                                                                                                                                                                     |                                        |                              |         |                  |
|        | <b>Flood Water Storage Areas</b><br>None                                                                                                                                                                                                |                                        |                              |         |                  |
|        | <b>Flood Defences</b><br>None                                                                                                                                                                                                           |                                        |                              |         |                  |
| 56     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 79.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Brook<br>Catchment Name: Mersey<br>Primacy: 1  | A13SE (SE)                             | 185                          | 5       | 394096<br>415227 |
| 57     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Hollingworth Brook<br>Catchment Name: Mersey<br>Primacy: 1         | A13SE (SE)                             | 188                          | 5       | 394059<br>415170 |
| 58     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 163.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A13SE (SE)                             | 189                          | 5       | 394059<br>415167 |
| 59     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 511.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A13SE (SE)                             | 197                          | 5       | 394103<br>415236 |
| 60     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 34.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1                | A13NE (NE)                             | 250                          | 5       | 394215<br>415566 |
| 61     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1         | A14NW (NE)                             | 277                          | 5       | 394239<br>415592 |
| 62     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 45.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1        | A14NW (NE)                             | 280                          | 5       | 394241<br>415594 |
| 63     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 4.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Lake<br>Catchment Name: Mersey<br>Primacy: 1            | A8NE (SE)                              | 306                          | 5       | 394072<br>415015 |

| Map ID | Details                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 64     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 40.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Brook<br>Catchment Name: Mersey<br>Primacy: 1  | A8NE (SE)                              | 306                          | 5       | 394072<br>415015 |
| 65     | <b>OS Water Network Lines</b><br>Watercourse Form: Reservoir<br>Watercourse Length: 141.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Lake<br>Catchment Name: Mersey<br>Primacy: 1     | A8NE (SE)                              | 308                          | 5       | 394070<br>415010 |
| 66     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 16.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1        | A14NW (NE)                             | 313                          | 5       | 394265<br>415631 |
| 67     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Brook<br>Catchment Name: Mersey<br>Primacy: 1   | A14NW (NE)                             | 326                          | 5       | 394278<br>415636 |
| 68     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 392.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Brearley Brook<br>Catchment Name: Mersey<br>Primacy: 1     | A14NW (NE)                             | 327                          | 5       | 394281<br>415627 |
| 69     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 275.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A14NW (NE)                             | 328                          | 5       | 394279<br>415636 |
| 70     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 442.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A8NE (SE)                              | 345                          | 5       | 394101<br>414987 |
| 71     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 68.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1         | A8NE (SE)                              | 345                          | 5       | 394101<br>414987 |
| 72     | <b>OS Water Network Lines</b><br>Watercourse Form: Reservoir<br>Watercourse Length: 770.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1          | A8NE (S)                               | 355                          | 5       | 393985<br>414902 |



| Map ID | Details                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 73     | <b>OS Water Network Lines</b><br>Watercourse Form: Reservoir<br>Watercourse Length: 78.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Lake<br>Catchment Name: Mersey<br>Primacy: 1     | A8NE (S)                               | 365                          | 5       | 393985<br>414902 |
| 74     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 644.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1       | A14SW (SE)                             | 384                          | 5       | 394290<br>415138 |
| 75     | <b>OS Water Network Lines</b><br>Watercourse Form: Reservoir<br>Watercourse Length: 277.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2         | A8NE (S)                               | 435                          | 5       | 393968<br>414824 |
| 76     | <b>OS Water Network Lines</b><br>Watercourse Form: Reservoir<br>Watercourse Length: 70.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Lake<br>Catchment Name: Mersey<br>Primacy: 1     | A8NE (S)                               | 435                          | 5       | 393968<br>414824 |
| 77     | <b>OS Water Network Lines</b><br>Watercourse Form: Reservoir<br>Watercourse Length: 268.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1         | A8NE (S)                               | 500                          | 5       | 393959<br>414755 |
| 78     | <b>OS Water Network Lines</b><br>Watercourse Form: Reservoir<br>Watercourse Length: 132.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Lake<br>Catchment Name: Mersey<br>Primacy: 1    | A8NE (S)                               | 500                          | 5       | 393959<br>414755 |
| 79     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 11.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Brook<br>Catchment Name: Mersey<br>Primacy: 2 | A19SW (NE)                             | 551                          | 5       | 394411<br>415863 |
| 80     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Brook<br>Catchment Name: Mersey<br>Primacy: 1  | A19SW (NE)                             | 551                          | 5       | 394411<br>415863 |
| 81     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 66.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hollingworth Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A19SW (NE)                             | 559                          | 5       | 394416<br>415869 |

| Map ID | Details                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 82     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 170.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Longden End Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A8NE (S)                               | 573                          | 5       | 394082<br>414716 |
| 83     | <b>OS Water Network Lines</b><br>Watercourse Form: Canal<br>Watercourse Length: 2255.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Rochdale Canal<br>Catchment Name: Mersey<br>Primacy: 1          | A17SE (NW)                             | 596                          | 5       | 393452<br>415867 |
| 84     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 16.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1       | A18NE (N)                              | 602                          | 5       | 394111<br>416123 |
| 85     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 21.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Shore Lane Brook<br>Catchment Name: Mersey<br>Primacy: 1   | A19SW (NE)                             | 617                          | 5       | 394450<br>415919 |
| 86     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 305.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Ealees Brook<br>Catchment Name: Mersey<br>Primacy: 1      | A19SW (NE)                             | 618                          | 5       | 394447<br>415924 |
| 87     | <b>OS Water Network Lines</b><br>Watercourse Form: Transfer<br>Watercourse Length: 67.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2                 | A19SW (NE)                             | 618                          | 5       | 394447<br>415924 |
| 88     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Shore Lane Brook<br>Catchment Name: Mersey<br>Primacy: 1          | A19SW (NE)                             | 620                          | 5       | 394462<br>415909 |
| 89     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 251.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1       | A14NE (E)                              | 620                          | 5       | 394589<br>415563 |
| 90     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 73.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Shore Lane Brook<br>Catchment Name: Mersey<br>Primacy: 1   | A19SW (NE)                             | 622                          | 5       | 394466<br>415908 |

| Map ID | Details                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 91     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 93.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2    | A8NE (SE)                              | 629                          | 5       | 394208<br>414716 |
| 92     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 12.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1           | A14NE (E)                              | 632                          | 5       | 394596<br>415605 |
| 93     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 385.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Brearley Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A14NE (E)                              | 638                          | 5       | 394600<br>415453 |
| 94     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 46.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1     | A14NE (E)                              | 639                          | 5       | 394602<br>415616 |
| 95     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1            | A14SE (E)                              | 654                          | 5       | 394575<br>415291 |
| 96     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 27.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A18NE (N)                              | 655                          | 5       | 394188<br>416154 |
| 97     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 218.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1    | A14SE (E)                              | 658                          | 5       | 394579<br>415291 |
| 98     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1            | A14NE (E)                              | 669                          | 5       | 394626<br>415655 |
| 99     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 108.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1    | A14NE (E)                              | 671                          | 5       | 394627<br>415660 |



| Map ID | Details                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 100    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1              | A19SE (NE)                             | 676                          | 5       | 394604 415763 |
| 101    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 181.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1      | A19SE (NE)                             | 678                          | 5       | 394604 415769 |
| 102    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 61.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Ealees Brook<br>Catchment Name: Mersey<br>Primacy: 1      | A18NE (N)                              | 679                          | 5       | 394180 416183 |
| 103    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1       | A18NE (N)                              | 679                          | 5       | 394185 416181 |
| 104    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 287.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Ealees Brook<br>Catchment Name: Mersey<br>Primacy: 1     | A18NE (N)                              | 680                          | 5       | 394185 416182 |
| 105    | <b>OS Water Network Lines</b><br>Watercourse Form: Transfer<br>Watercourse Length: 242.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2         | A19SW (NE)                             | 684                          | 5       | 394487 415979 |
| 106    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 218.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Shore Lane Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A19SW (NE)                             | 688                          | 5       | 394533 415926 |
| 107    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 141.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1     | A19SW (NE)                             | 688                          | 5       | 394543 415911 |
| 108    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 148.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Ealees Brook<br>Catchment Name: Mersey<br>Primacy: 1     | A18NE (N)                              | 703                          | 5       | 394095 416231 |

| Map ID | Details                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 109    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 152.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2      | A8SE (SE)                              | 703                          | 5       | 394220<br>414638 |
| 110    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 184.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Longden End Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A8SE (SE)                              | 703                          | 5       | 394220<br>414638 |
| 111    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2        | A18NE (N)                              | 722                          | 5       | 394159<br>416234 |
| 112    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 58.2<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2            | A18NE (N)                              | 723                          | 5       | 394161<br>416235 |
| 113    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 53.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1       | A8SE (S)                               | 740                          | 5       | 394095<br>414543 |
| 114    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 423.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Roch<br>Catchment Name: Mersey<br>Primacy: 1        | A17NE (NW)                             | 745                          | 5       | 393546<br>416161 |
| 115    | <b>OS Water Network Lines</b><br>Watercourse Form: Canal<br>Watercourse Length: 17.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Rochdale Canal<br>Catchment Name: Mersey<br>Primacy: 1            | A18NE (N)                              | 749                          | 5       | 394029<br>416286 |
| 116    | <b>OS Water Network Lines</b><br>Watercourse Form: Transfer<br>Watercourse Length: 7.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Rochdale Canal<br>Catchment Name: Mersey<br>Primacy: 2          | A18NE (N)                              | 749                          | 5       | 394029<br>416286 |
| 117    | <b>OS Water Network Lines</b><br>Watercourse Form: Transfer<br>Watercourse Length: 42.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Rochdale Canal<br>Catchment Name: Mersey<br>Primacy: 2               | A18NE (N)                              | 749                          | 5       | 394037<br>416285 |

| Map ID | Details                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 118    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 37.8<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1                     | A14NE (E)                              | 750                          | 5       | 394705<br>415395 |
| 119    | <b>OS Water Network Lines</b><br>Watercourse Form: Lock or flight of locks<br>Watercourse Length: 24.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Rochdale Canal<br>Catchment Name: Mersey<br>Primacy: 1 | A18NE (N)                              | 761                          | 5       | 394043<br>416297 |
| 120    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 235.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2             | A19NW (NE)                             | 766                          | 5       | 394281<br>416235 |
| 121    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 36.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1               | A14SE (E)                              | 769                          | 5       | 394717<br>415359 |
| 122    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1               | A18NW (N)                              | 771                          | 5       | 393728<br>416276 |
| 123    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 34.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Ealees Brook<br>Catchment Name: Mersey<br>Primacy: 1                    | A18NE (N)                              | 773                          | 5       | 394079<br>416304 |
| 124    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 13.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2              | A18NE (N)                              | 774                          | 5       | 394203<br>416275 |
| 125    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 175.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Roch<br>Catchment Name: Mersey<br>Primacy: 1               | A18NW (N)                              | 774                          | 5       | 393725<br>416279 |
| 126    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 25.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2              | A19NW (NE)                             | 775                          | 5       | 394411<br>416171 |



| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 127    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A17SE (NW)                             | 775                          | 5       | 393258<br>415882 |
| 128    | <b>OS Water Network Lines</b><br>Watercourse Form: Canal<br>Watercourse Length: 7.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Rochdale Canal<br>Catchment Name: Mersey<br>Primacy: 1        | A18NE (N)                              | 779                          | 5       | 394062<br>416313 |
| 129    | <b>OS Water Network Lines</b><br>Watercourse Form: Transfer<br>Watercourse Length: 4.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Rochdale Canal<br>Catchment Name: Mersey<br>Primacy: 2     | A18NE (N)                              | 779                          | 5       | 394069<br>416312 |
| 130    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 238.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Roch<br>Catchment Name: Mersey<br>Primacy: 1   | A17SE (NW)                             | 781                          | 5       | 393241<br>415869 |
| 131    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 47.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Roch<br>Catchment Name: Mersey<br>Primacy: 1    | A17SE (NW)                             | 782                          | 5       | 393252<br>415886 |
| 132    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 145.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Ealees Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A18NE (N)                              | 784                          | 5       | 393931<br>416325 |
| 133    | <b>OS Water Network Lines</b><br>Watercourse Form: Canal<br>Watercourse Length: 236.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Rochdale Canal<br>Catchment Name: Mersey<br>Primacy: 1      | A18NE (N)                              | 784                          | 5       | 394067<br>416317 |
| 134    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1          | A14SE (E)                              | 784                          | 5       | 394723<br>415323 |
| 135    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 68.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1   | A14SE (E)                              | 787                          | 5       | 394724<br>415316 |

| Map ID | Details                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 136    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Ealees Brook<br>Catchment Name: Mersey<br>Primacy: 1              | A18NE (N)                              | 789                          | 5       | 393913<br>416328 |
| 137    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 127.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Featherstall Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A17SE (NW)                             | 790                          | 5       | 393269<br>415930 |
| 138    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 195.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Roch<br>Catchment Name: Mersey<br>Primacy: 1         | A17SE (NW)                             | 790                          | 5       | 393269<br>415930 |
| 139    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 24.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1               | A14SE (E)                              | 791                          | 5       | 394686<br>415113 |
| 140    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 11.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1               | A19SE (NE)                             | 792                          | 5       | 394655<br>415927 |
| 141    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 43.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1        | A8SE (S)                               | 793                          | 5       | 394112<br>414493 |
| 142    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 50.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2        | A8SE (S)                               | 793                          | 5       | 394112<br>414493 |
| 143    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 24.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Ealees Brook<br>Catchment Name: Mersey<br>Primacy: 1        | A18NE (N)                              | 796                          | 5       | 393905<br>416334 |
| 144    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 82.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1         | A19SE (NE)                             | 797                          | 5       | 394655<br>415938 |

| Map ID | Details                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 145    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 170.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1   | A14SE (E)                              | 809                          | 5       | 394699<br>415092 |
| 146    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 512.2<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1       | A18NW (N)                              | 813                          | 5       | 393884<br>416351 |
| 147    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Roch<br>Catchment Name: Mersey<br>Primacy: 1      | A18NW (N)                              | 813                          | 5       | 393884<br>416351 |
| 148    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 54.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2   | A19SE (NE)                             | 813                          | 5       | 394618<br>416024 |
| 149    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 96.4<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1        | A8SW (S)                               | 813                          | 5       | 393564<br>414468 |
| 150    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 456.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Roch<br>Catchment Name: Mersey<br>Primacy: 1    | A18NE (N)                              | 814                          | 5       | 393888<br>416352 |
| 151    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 73.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Brearley Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A14SE (E)                              | 815                          | 5       | 394713<br>415123 |
| 152    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 86.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2   | A14SE (E)                              | 815                          | 5       | 394713<br>415123 |
| 153    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 66.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A14SE (E)                              | 832                          | 5       | 394751<br>415254 |



| Map ID | Details                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 154    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 45.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1  | A14SE (E)                              | 832                          | 5       | 394751<br>415254 |
| 155    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 29.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1 | A8SE (S)                               | 833                          | 5       | 394108<br>414450 |
| 156    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 31.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1 | A8SE (S)                               | 833                          | 5       | 394108<br>414450 |
| 157    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Roch<br>Catchment Name: Mersey<br>Primacy: 1    | A17NE (NW)                             | 836                          | 5       | 393346<br>416110 |
| 158    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1         | A14SE (E)                              | 840                          | 5       | 394753<br>415208 |
| 159    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 50.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1  | A14SE (E)                              | 841                          | 5       | 394753<br>415203 |
| 160    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 34.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1 | A19SE (NE)                             | 843                          | 5       | 394759<br>415825 |
| 161    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2  | A19SE (NE)                             | 849                          | 5       | 394668<br>416014 |
| 162    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 177.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1 | A19SE (NE)                             | 856                          | 5       | 394676<br>416015 |

| Map ID | Details                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 163    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 97.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1     | A8SE (S)                               | 859                          | 5       | 394101<br>414421 |
| 164    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 25.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1     | A8SE (S)                               | 859                          | 5       | 394101<br>414421 |
| 165    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 16.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Shore Lane Brook<br>Catchment Name: Mersey<br>Primacy: 2 | A19NE (NE)                             | 862                          | 5       | 394633<br>416083 |
| 166    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 16.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Shore Lane Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A19NE (NE)                             | 862                          | 5       | 394633<br>416083 |
| 167    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1             | A14SE (E)                              | 869                          | 5       | 394775<br>415159 |
| 168    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Longden End Brook<br>Catchment Name: Mersey<br>Primacy: 1       | A9SW (S)                               | 869                          | 5       | 394258<br>414470 |
| 169    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 118.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Brearley Brook<br>Catchment Name: Mersey<br>Primacy: 2  | A14SE (E)                              | 870                          | 5       | 394756<br>415067 |
| 170    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 39.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1     | A14SE (E)                              | 870                          | 5       | 394756<br>415067 |
| 171    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1       | A14SE (E)                              | 871                          | 5       | 394777<br>415158 |

| Map ID | Details                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 172    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1               | A14SE (E)                              | 872                          | 5       | 394777<br>415155 |
| 173    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 166.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1       | A14SE (E)                              | 874                          | 5       | 394779<br>415148 |
| 174    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 15.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1       | A14SE (E)                              | 874                          | 5       | 394779<br>415148 |
| 175    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Canal Drain<br>Catchment Name: Mersey<br>Primacy: 1         | A14SE (E)                              | 874                          | 5       | 394778<br>415150 |
| 176    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 52.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Shore Lane Brook<br>Catchment Name: Mersey<br>Primacy: 1   | A19NE (NE)                             | 876                          | 5       | 394648<br>416087 |
| 177    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 285.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Longden End Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A9SW (S)                               | 876                          | 5       | 394258<br>414463 |
| 178    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 354.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1      | A14SE (E)                              | 890                          | 5       | 394794<br>415145 |
| 179    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 217.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1      | A2NE (S)                               | 909                          | 5       | 393539<br>414375 |
| 180    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 48.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2       | A2NE (S)                               | 909                          | 5       | 393539<br>414375 |



| Map ID | Details                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 181    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 12.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Featherstall Brook<br>Catchment Name: Mersey<br>Primacy: 1        | A17SW (NW)                             | 913                          | 5       | 393171<br>416007 |
| 182    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 169.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Roch<br>Catchment Name: Mersey<br>Primacy: 1         | A17SW (NW)                             | 925                          | 5       | 393034<br>415766 |
| 183    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 31.4<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Shore Lane Brook<br>Catchment Name: Mersey<br>Primacy: 1          | A19NE (NE)                             | 926                          | 5       | 394696<br>416106 |
| 184    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 227.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Featherstall Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A17SW (NW)                             | 926                          | 5       | 393162<br>416016 |
| 185    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 96.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Brearley Brook<br>Catchment Name: Mersey<br>Primacy: 1      | A9NE (SE)                              | 938                          | 5       | 394801<br>414985 |
| 186    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 182.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1       | A3NE (S)                               | 939                          | 5       | 394090<br>414335 |
| 187    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 218.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1       | A3NE (S)                               | 940                          | 5       | 394079<br>414331 |
| 188    | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 8.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2                 | A2NE (S)                               | 943                          | 5       | 393496<br>414354 |
| 189    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 135.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Shore Lane Brook<br>Catchment Name: Mersey<br>Primacy: 1   | A19NE (NE)                             | 954                          | 5       | 394727<br>416112 |

| Map ID | Details                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 190    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 464.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Roch<br>Catchment Name: Mersey<br>Primacy: 1  | A12NW (W)                              | 980                          | 5       | 392939<br>415701 |
| 191    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 19.8<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1       | A12NW (W)                              | 980                          | 5       | 392939<br>415701 |
| 192    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 52.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1 | A11NE (W)                              | 981                          | 5       | 392863<br>415515 |
| 193    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 29.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1 | A12NW (W)                              | 997                          | 5       | 392928<br>415717 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 194    | <b>BGS Recorded Landfill Sites</b><br>Site Name: Hollingworth Lake<br>Location: Rakewood Road, LITTLEBOROUGH, Gt Manchester<br>Authority: British Geological Survey, National Geoscience Information Service<br>Ground Water: Information not available<br>Surface Water: Information not available<br>Geology: N/A<br>Positional Accuracy: Positioned by the supplier<br>Boundary Accuracy: Moderate                                                                                                                                     | A13SE (SE)                             | 63                           | -       | 393994 415322 |
| 195    | <b>BGS Recorded Landfill Sites</b><br>Site Name: Clough Field Works<br>Location: Canal Side, LITTLEBOROUGH, Lancs<br>Authority: British Geological Survey, National Geoscience Information Service<br>Ground Water: Information not available<br>Surface Water: Information not available<br>Geology: N/A<br>Positional Accuracy: Positioned by the supplier<br>Boundary Accuracy: Good                                                                                                                                                   | A17SE (NW)                             | 613                          | -       | 393433 415870 |
| 196    | <b>BGS Recorded Landfill Sites</b><br>Site Name: Eales Mill<br>Location: Eales, LITTLEBOROUGH, Lancs<br>Authority: British Geological Survey, National Geoscience Information Service<br>Ground Water: Information not available<br>Surface Water: Information not available<br>Geology: N/A<br>Positional Accuracy: Positioned by the supplier<br>Boundary Accuracy: Moderate                                                                                                                                                            | A18NE (N)                              | 699                          | -       | 394092 416226 |
| 197    | <b>BGS Recorded Landfill Sites</b><br>Site Name: Para Wales<br>Location: Smithy Bridge, LITTLEBOROUGH, Lancs<br>Authority: British Geological Survey, National Geoscience Information Service<br>Ground Water: Information not available<br>Surface Water: Information not available<br>Geology: N/A<br>Positional Accuracy: Positioned by the supplier<br>Boundary Accuracy: Moderate                                                                                                                                                    | A11NE (W)                              | 960                          | -       | 392875 415483 |
| 198    | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Littleborough, Greater Manchester, Greater Manchester<br>Name: Rakewood Road<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD15682<br>First Input Date: 31st December 1932<br>Last Input Date: Not Supplied<br>Specified Waste: Deposited Waste included Commercial and Household Waste<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: Not Supplied<br>BGS Ref: 498<br>Other Ref: D058 | A13SE (SE)                             | 41                           | 2       | 393989 415332 |
| 199    | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Canal Side, Littleborough, Lancashire<br>Name: Clough Field Works<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD32091<br>First Input Date: 31st December 1835<br>Last Input Date: Not Supplied<br>Specified Waste: Not Supplied<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: Not Supplied<br>BGS Ref: 504<br>Other Ref: Not Supplied                                               | A17SE (NW)                             | 613                          | 2       | 393435 415871 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 200    | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Eales, Littleborough, Lancashire<br>Name: Eales Mill<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD32088<br>First Input Date: 31st December 1945<br>Last Input Date: Not Supplied<br>Specified Waste: Deposited Waste included Industrial Waste<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: Not Supplied<br>BGS Ref: 501<br>Other Ref: Not Supplied                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A18NE (N)                              | 700                          | 2       | 394093 416227 |
| 201    | <b>Historical Landfill Sites</b><br>Licence Holder: MPB Auto Painters<br>Location: Off Brown Lodge Drive, Smithy Bridge, Littleborough, Greater Manchester<br>Name: Paragon Industrial Works<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD15683<br>First Input Date: 1st May 1984<br>Last Input Date: 31st December 1984<br>Specified Waste: Deposited Waste included Inert and Industrial Waste<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 4200/9126<br>BGS Ref: 500<br>Other Ref: RD/LIC/321/83, D052                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A12NW (W)                              | 937                          | 2       | 392907 415506 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Rochdale Metropolitan Borough Council<br>- Has no landfill data to supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        | 0                            | 3       | 393897 415383 |
| 202    | <b>Registered Landfill Sites</b><br>Licence Holder: M.P.B. Auto Painters<br>Licence Reference: 00321/831<br>Site Location: Unit 1 Paragon Industrial Works, Smithy Bridge, Littleborough, Lancashire<br>Licence Easting: 392870<br>Licence Northing: 415460<br>Operator Location: As Site Address<br>Authority: Environment Agency - North West Region, South Area<br>Site Category: Landfill<br>Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year)<br>Waste Source: No known restriction on source of waste<br>Restrictions:<br>Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled<br>Dated: 3rd April 1984<br>Preceded By: Not Given<br>Licence:<br>Superseded By: Not Given<br>Licence:<br>Positional Accuracy: Manually positioned to the address or location<br>Boundary Accuracy: Not Applicable<br>Authorised Waste<br>Ceramic Waste<br>Constr'N/Demol. Inert/Non-Haz/Non-Tox<br>Glass/Cullet<br>Ind. Non-Haz. Inert, Non-Flammable<br>Ind. Non-Haz. Potentially Combustible<br>Metal Scrap<br>Non Leachate Forming Waste<br>Other Resins And Polymeric Materials<br>Plastic/Polythene (Including Sacks)<br>Soil, Clay, Sand<br>Stone, Brick, Concrete, Slate<br>Wood Waste/Timber<br>Carcasses And Flesh<br>Prohibited Waste<br>Chemical Wastes<br>Food Waste<br>Liquid Wastes<br>Paper/Cardboard Waste<br>Plasterboard/Plaster<br>Sawdust/Bark<br>Sludge Wastes<br>Textiles, Rag, Wool, Cloth, Hessian Etc<br>Vegetable/Processing Waste<br>Waste Forming Polluting Leachate | A11NE (W)                              | 961                          | 2       | 392870 415460 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 203    | <b>Registered Waste Treatment or Disposal Sites</b><br>Licence Holder: Green Brothers (Littleborough) Ltd<br>Licence Reference: 00871/92<br>Site Location: Frankfurt Mill Yard, Halifax Road, LITTLEBOROUGH, Lancashire, OL15 0HL<br>Operator Location: As Site Address<br>Authority: Environment Agency - North West Region, South Area<br>Site Category: Scrapyard<br>Max Input Rate: Very Small (Less than 10,000 tonnes per year)<br>Waste Source: No known restriction on source of waste<br>Restrictions:<br>Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled<br>Dated: 1st December 1993<br>Preceded By: Not Given<br>Licence:<br>Superseded By: Not Given<br>Licence:<br>Positional Accuracy: Manually positioned to the address or location<br>Boundary Quality: Not Supplied<br>Authorised Waste: Commercial Vehicles<br>Prohibited Waste: Explosive Waste<br>Liquids/Sludges N.O.S.<br>Pressurized Containers/Waste Therein<br>Special Wastes N.O.S.<br>Violently Reactive Wastes<br>Waste N.O.S. | A23SE (N)                              | 995                          | 2       | 394160<br>416515 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 204    | <b>Control of Major Accident Hazards Sites (COMAH)</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, Rochdale, Lancashire, OL15 0BA<br>Reference: 6552<br>Type: Upper Tier<br><b>Status: Record Ceased To Be Supplied Under COMAH Regulations</b><br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                                                                                                                                                                      | A17SE (NW)                             | 471                          | 6       | 393525 415737 |
| 205    | <b>Notification of Installations Handling Hazardous Substances (NIHHS)</b><br>Name: Akzo Chemie (UK) Limited<br>Location: Hollingworth Road, Littleborough, LITTLEBOROUGH, Lancashire, OL15 0BA<br><b>Status: Not Active</b><br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                                                                                                                                                                                                                              | A17SE (NW)                             | 464                          | 6       | 393530 415732 |
| 206    | <b>Planning Hazardous Substance Consents</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, ROCHDALE, Lancashire, OL15 0BA<br>Authority: Rochdale Metropolitan Borough Council<br>Application Ref: 92/D28806<br>Hazardous: Part A, Toxic Substance, Acrylonitrile, where amount held is greater than or equal to 20 tonnes<br>Substance: equal to 20 tonnes<br>Maximum Quantity: 44<br>Application date: 17th November 1992<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Manually positioned within the geographical locality                                                                     | A17SE (NW)                             | 447                          | 7       | 393549 415730 |
| 206    | <b>Planning Hazardous Substance Consents</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Rochdale Metropolitan Borough Council<br>Application Ref: 99/D37052<br>Hazardous: Nickel compounds in inhalable powder form (nickel monoxide, nickel dioxide, nickel sulphide, trinickel disulphide, dinickel trioxide)<br>Substance: nickel sulphide, trinickel disulphide, dinickel trioxide<br>Maximum Quantity: 3.5<br>Application date: 15th October 1999<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Automatically positioned to the address | A17SE (NW)                             | 471                          | 7       | 393525 415737 |
| 206    | <b>Planning Hazardous Substance Consents</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Rochdale Metropolitan Borough Council<br>Application Ref: 99/D37052<br>Hazardous: Hydrogen<br>Substance: Hydrogen<br>Maximum Quantity: 2.8<br>Application date: 15th October 1999<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                                              | A17SE (NW)                             | 471                          | 7       | 393525 415737 |
| 206    | <b>Planning Hazardous Substance Consents</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Rochdale Metropolitan Borough Council<br>Application Ref: 99/D37052<br>Hazardous: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not)<br>Substance: liquefied or not<br>Maximum Quantity: 2<br>Application date: 15th October 1999<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Automatically positioned to the address                                                                                    | A17SE (NW)                             | 471                          | 7       | 393525 415737 |
| 206    | <b>Planning Hazardous Substance Consents</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Rochdale Metropolitan Borough Council<br>Application Ref: 99/D37052<br>Hazardous: Toxic<br>Substance: Toxic<br>Maximum Quantity: 60<br>Application date: 15th October 1999<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                                                     | A17SE (NW)                             | 471                          | 7       | 393525 415737 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 206    | <b>Planning Hazardous Substance Consents</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Rochdale Metropolitan Borough Council<br>Application Ref: 99/D37052<br>Hazardous Substance: Oxidising<br>Maximum Quantity: 15<br>Application date: 15th October 1999<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Automatically positioned to the address                                                                                                                       | A17SE (NW)                             | 471                          | 7       | 393525 415737 |
| 206    | <b>Planning Hazardous Substance Consents</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Rochdale Metropolitan Borough Council<br>Application Ref: 99/D37052<br>Hazardous Substance: Flammable (flammable liquids with flash point >=21C and <=55C supporting combustion)<br>Maximum Quantity: 200<br>Application date: 15th October 1999<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Automatically positioned to the address                                           | A17SE (NW)                             | 471                          | 7       | 393525 415737 |
| 206    | <b>Planning Hazardous Substance Consents</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Rochdale Metropolitan Borough Council<br>Application Ref: 99/D37052<br>Hazardous Substance: Highly flammable (highly flammable liquids which have a flash point <21C and which are not extremely flammable)<br>Maximum Quantity: 52<br>Application date: 15th October 1999<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Automatically positioned to the address                 | A17SE (NW)                             | 471                          | 7       | 393525 415737 |
| 206    | <b>Planning Hazardous Substance Consents</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, LITTLEBOROUGH, Lancashire, OL15 0BA<br>Authority: Rochdale Metropolitan Borough Council<br>Application Ref: 99/D37052<br>Hazardous Substance: Dangerous for the environment (toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment)<br>Maximum Quantity: 3200<br>Application date: 15th October 1999<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Automatically positioned to the address | A17SE (NW)                             | 471                          | 7       | 393525 415737 |
| 207    | <b>Planning Hazardous Substance Consents</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, Lancashire, OL15 0ba<br>Authority: Rochdale Metropolitan Borough Council<br>Application Ref: 01/D38893<br>Hazardous Substance: Toxic<br>Maximum Quantity: 35<br>Application date: 30th January 2001<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Manually positioned to the address or location                                                                                                                                   | A12NE (NW)                             | 516                          | 7       | 393467 415726 |
| 208    | <b>Planning Hazardous Substance Consents</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, Rochdale, Lancashire, OL15 0ba<br>Authority: Rochdale Metropolitan Borough Council<br>Application Ref: 99/D37052<br>Hazardous Substance: Methanol<br>Maximum Quantity: 5<br>Application date: 15th October 1999<br><b>Decision: Deemed Consent Granted</b><br>Positional Accuracy: Manually positioned to the address or location                                                                                                                       | A12NE (W)                              | 614                          | 7       | 393305 415600 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 208    | <p><b>Planning Hazardous Substance Consents</b></p> <p>Name: Akzo Nobel Chemicals Ltd</p> <p>Location: Hollingworth Road, Littleborough, Rochdale, Lancashire, OL15 0ba</p> <p>Authority: Rochdale Metropolitan Borough Council</p> <p>Application Ref: 99/D37052</p> <p>Hazardous Substance: Extremely flammable (extremely flammable gases and liquids with a flash point &lt;21C and boiling point at normal pressure &lt;=35C, and gaseous substances flammable in contact with air at ambient temperature and pressure excluding extremely flammable gases and natural gas, and flammable liquid substances maintained at a temperature above their boiling point)</p> <p>Maximum Quantity: 52</p> <p>Application date: 15th October 1999</p> <p><b>Decision:</b> Deemed Consent Granted</p> <p>Positional Accuracy: Manually positioned to the address or location</p> | A12NE (W)                              | 617                          | 7       | 393295<br>415590 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS 1:625,000 Solid Geology</b><br>Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)                                                                                                                                                                                                                                                                                                                                                  | A13SE (SE)                             | 0                            | 1       | 393897 415383 |
| 209    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Hollingworth<br>Location: Hollingworth, Littleborough, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96219<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Milnrow Sandstone<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m                            | A12SE (SW)                             | 359                          | 1       | 393459 415159 |
| 210    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Bear Hill House Quarry<br>Location: Rakewood, Littleborough, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 242091<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Milnrow Sandstone<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m                     | A8NE (SE)                              | 423                          | 1       | 394168 414941 |
| 211    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Black Nursery<br>Location: Rakewood, Littleborough, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96220<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m           | A8SW (S)                               | 547                          | 1       | 393809 414693 |
| 212    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Whitaker<br>Location: Littleborough, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96206<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Woodhead Hill Rock<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m                                             | A14NW (E)                              | 556                          | 1       | 394523 415557 |
| 213    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Turnough Hill Quarries<br>Location: Rakewood, Littleborough, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 242092<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Pennine Lower Coal Measures Formation<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m | A8SW (S)                               | 604                          | 1       | 393856 414638 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 214    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Clough Field<br>Location: Littleborough, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96207<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Milnrow Sandstone<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m          | A17SE (NW)                             | 607                          | 1       | 393412 415812 |
| 215    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Whitaker<br>Location: Littleborough, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96205<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Woodhead Hill Rock<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m             | A19SW (NE)                             | 681                          | 1       | 394536 415909 |
| 216    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Brown Brow Hill<br>Location: Littleborough, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96208<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Milnrow Sandstone<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m       | A12NW (W)                              | 785                          | 1       | 393072 415521 |
| 217    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Higher Fold<br>Location: Rakewood, Littleborough, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96221<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Milnrow Sandstone<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m | A9SW (SE)                              | 800                          | 1       | 394425 414664 |
| 218    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Hollingworth Hill<br>Location: Littleborough, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96222<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Carboniferous<br>Geology: Great Arc Sandstone<br>Commodity: Sandstone<br>Positional Accuracy: Located by supplier to within 10m   | A14SE (E)                              | 1000                         | 1       | 394895 415091 |
|        | <b>Coal Mining Affected Areas</b><br>Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.                                                                                                                                                                                                   | A13SE (SE)                             | 0                            | 8       | 393897 415383 |
|        | <b>Mining Instability</b><br>Mining Evidence: Inconclusive Coal Mining<br>Source: Ove Arup & Partners<br>Boundary Quality: As Supplied                                                                                                                                                                                                                                                                                                                                     | A13SE (SE)                             | 0                            | -       | 393897 415383 |
|        | <b>Non Coal Mining Areas of Great Britain</b><br>No Hazard                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |                              |         |               |

| Map ID | Details                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service   | A13SE (SE)                             | 0                            | 1       | 393897 415383 |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service  | A13SE (E)                              | 41                           | 1       | 393965 415374 |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service   | A13SE (SE)                             | 209                          | 1       | 394112 415219 |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service  | A8NE (S)                               | 240                          | 1       | 393897 415000 |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service   | A8NW (S)                               | 243                          | 1       | 393783 415000 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13SE (SE)                             | 0                            | 1       | 393897 415383 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service  | A13SE (SE)                             | 44                           | 1       | 393975 415292 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service  | A13SE (SE)                             | 96                           | 1       | 394021 415260 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service  | A13SE (S)                              | 101                          | 1       | 393930 415166 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13SE (SE)                             | 209                          | 1       | 394112 415219 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service  | A8NE (S)                               | 240                          | 1       | 393897 415000 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A8NW (S)                               | 243                          | 1       | 393783 415000 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service  | A13SE (SE)                             | 0                            | 1       | 393897 415383 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service  | A8NE (S)                               | 240                          | 1       | 393897 415000 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service          | A13SE (E)                              | 0                            | 1       | 393925 415383 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service     | A13SE (SE)                             | 0                            | 1       | 393897 415383 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service     | A13NE (NE)                             | 12                           | 1       | 393997 415479 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: High<br>Source: British Geological Survey, National Geoscience Information Service         | A13SE (E)                              | 37                           | 1       | 393970 415363 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service     | A13SE (E)                              | 41                           | 1       | 393965 415374 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service          | A13SW (SW)                             | 53                           | 1       | 393754 415292 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service     | A13SE (SE)                             | 79                           | 1       | 394008 415312 |

| Map ID | Details                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                            | A13SE (SE)                             | 96                           | 1       | 394021 415260 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                       | A8NE (S)                               | 240                          | 1       | 393897 415000 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                       | A13NW (W)                              | 243                          | 1       | 393655 415443 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                            | A13SE (SE)                             | 250                          | 1       | 394214 415198 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                   | A13SE (SE)                             | 0                            | 1       | 393897 415383 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13SE (SE)                             | 33                           | 1       | 393975 415292 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                         | A13SE (SE)                             | 96                           | 1       | 394021 415260 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                         | A13SE (S)                              | 101                          | 1       | 393930 415166 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                         | A8NE (S)                               | 240                          | 1       | 393897 415000 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A8NW (S)                               | 243                          | 1       | 393783 415000 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                      | A13SE (E)                              | 0                            | 1       | 393920 415383 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                     | A13SE (SE)                             | 0                            | 1       | 393897 415383 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                     | A13SE (E)                              | 106                          | 1       | 394027 415330 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                           | A13SW (W)                              | 192                          | 1       | 393603 415324 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                      | A8NE (S)                               | 240                          | 1       | 393897 415000 |
|        | <b>Radon Potential - Radon Affected Areas</b><br>Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A13SE (SE)                             | 0                            | 1       | 393897 415383 |
|        | <b>Radon Potential - Radon Protection Measures</b><br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service                     | A13SE (SE)                             | 0                            | 1       | 393897 415383 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 219    | <b>Contemporary Trade Directory Entries</b><br>Name: Lake Garage (Smithybridge) Ltd<br>Location: 69, Lake Bank, Littleborough, Lancashire, OL15 0DN<br>Classification: Garage Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                              | A12SE (SW)                             | 401                          | -       | 393421 415140 |
| 220    | <b>Contemporary Trade Directory Entries</b><br>Name: Akzo Nobel Chemicals Ltd<br>Location: Hollingworth Road, Littleborough, Lancashire, OL15 0BA<br>Classification: Chemical Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                         | A17SE (NW)                             | 471                          | -       | 393525 415737 |
| 221    | <b>Contemporary Trade Directory Entries</b><br>Name: Hollingworth Lake Rowing Club<br>Location: Lake Bank, Littleborough, Lancashire, OL15 0DQ<br>Classification: Boatbuilders & Repairers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                            | A7NE (SW)                              | 498                          | -       | 393377 414995 |
| 222    | <b>Contemporary Trade Directory Entries</b><br>Name: M E White<br>Location: 10, Higher Cleggswood Avenue, Littleborough, Lancashire, OL15 0DJ<br>Classification: Boilers - Servicing, Replacements & Repairs<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                        | A12SE (W)                              | 500                          | -       | 393313 415173 |
| 223    | <b>Contemporary Trade Directory Entries</b><br>Name: The Ironing Lady<br>Location: 15, Lake Bank, Littleborough, Lancashire, OL15 0DQ<br>Classification: Ironing & Home Laundry Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                            | A7NE (SW)                              | 591                          | -       | 393281 414978 |
| 224    | <b>Contemporary Trade Directory Entries</b><br>Name: Roses Venetian Blind Centre<br>Location: 14, Highlands, Littleborough, Lancashire, OL15 0DS<br>Classification: Blinds, Awnings & Canopies<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                      | A12SW (W)                              | 654                          | -       | 393158 415331 |
| 225    | <b>Contemporary Trade Directory Entries</b><br>Name: M S B Cladding Ltd<br>Location: 64, Riverstone Bridge, Littleborough, Lancashire, OL15 8JF<br>Classification: Cladding Suppliers & Installers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                  | A18NW (N)                              | 692                          | -       | 393620 416144 |
| 226    | <b>Contemporary Trade Directory Entries</b><br>Name: Canal Street Garage<br>Location: Canal Street, Littleborough, Lancashire, OL15 0HA<br>Classification: Commercial Vehicle Bodybuilders & Repairers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                              | A18NE (N)                              | 733                          | -       | 393938 416273 |
| 227    | <b>Contemporary Trade Directory Entries</b><br>Name: Advance Machine Tool Systems<br>Location: Brookfield, Canal Street, Littleborough, Lancashire, OL15 0HA<br>Classification: Machine Tools - Manufacturers & Distributors<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location | A18NE (N)                              | 750                          | -       | 393997 416290 |
| 227    | <b>Contemporary Trade Directory Entries</b><br>Name: Greenwood Bros<br>Location: Canal Street, Littleborough, Lancashire, OL15 0HA<br>Classification: Car Breakers & Dismantlers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                    | A18NE (N)                              | 750                          | -       | 393997 416290 |
| 228    | <b>Contemporary Trade Directory Entries</b><br>Name: Active Stairlift Ltd<br>Location: 60, Bridge Bank Road, Littleborough, Lancashire, OL15 8QU<br>Classification: Stairlifts - Manufacturers & Installers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                         | A12SW (W)                              | 774                          | -       | 393034 415272 |
| 229    | <b>Contemporary Trade Directory Entries</b><br>Name: Littleborough Sheet Metal Ltd<br>Location: 14, Charles Street, Littleborough, Lancashire, OL15 8HH<br>Classification: Sheet Metal Work<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                         | A17NE (NW)                             | 812                          | -       | 393444 416168 |

| Map ID | Details                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 229    | <b>Contemporary Trade Directory Entries</b><br>Name: D Lorimer<br>Location: 16, Charles Street, Littleborough, Lancashire, OL15 8HH<br>Classification: Engineers - General<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                           | A17NE (NW)                             | 812                          | -       | 393444 416168 |
| 230    | <b>Contemporary Trade Directory Entries</b><br>Name: H K C<br>Location: James Hill Street, Littleborough, Lancashire, OL15 8AE<br>Classification: Electronic Component Manufacturers & Distributors<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned within the geographical locality     | A18NW (N)                              | 832                          | -       | 393690 416328 |
| 230    | <b>Contemporary Trade Directory Entries</b><br>Name: D D L Textile Engineers<br>Location: James Hill Street, Littleborough, Lancashire, OL15 8AE<br>Classification: Textile Manufacturing<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                            | A18NW (N)                              | 832                          | -       | 393690 416328 |
| 230    | <b>Contemporary Trade Directory Entries</b><br>Name: Fit Equip<br>Location: Golden Works, James Hill St, Littleborough, Lancashire, OL15 8AE<br>Classification: Sports Equipment Manufacturers & Distributors<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location | A18NW (N)                              | 832                          | -       | 393690 416328 |
| 230    | <b>Contemporary Trade Directory Entries</b><br>Name: Apex Hardware<br>Location: 2, Queens Road, Littleborough, OL15 8AX<br>Classification: Hardware<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                                  | A18NW (N)                              | 837                          | -       | 393679 416329 |
| 230    | <b>Contemporary Trade Directory Entries</b><br>Name: Littleborough Service Station<br>Location: 71, Church Street, Littleborough, Lancashire, OL15 8AB<br>Classification: Petrol Filling Stations<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                    | A18NW (N)                              | 848                          | -       | 393652 416331 |
| 230    | <b>Contemporary Trade Directory Entries</b><br>Name: A P L Cleaning<br>Location: 69a, Church Street, Littleborough, OL15 8AB<br>Classification: Commercial Cleaning Services<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                           | A18NW (N)                              | 849                          | -       | 393658 416335 |
| 230    | <b>Contemporary Trade Directory Entries</b><br>Name: A P L Cleaning Ltd<br>Location: 69a, Church Street, Littleborough, OL15 8AB<br>Classification: Commercial Cleaning Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                     | A18NW (N)                              | 849                          | -       | 393658 416335 |
| 230    | <b>Contemporary Trade Directory Entries</b><br>Name: Carole'S Clean Shop<br>Location: 59, Church Street, Littleborough, Lancashire, OL15 8AB<br>Classification: Dry Cleaners<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                         | A18NW (N)                              | 851                          | -       | 393675 416343 |
| 231    | <b>Contemporary Trade Directory Entries</b><br>Name: Queens Rd Garage<br>Location: 1, Queens Road, Littleborough, Lancashire, OL15 8AX<br>Classification: Garage Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                            | A18NW (N)                              | 835                          | -       | 393624 416306 |
| 232    | <b>Contemporary Trade Directory Entries</b><br>Name: Texaco<br>Location: Church Street, Littleborough, OL15 8AB<br>Classification: Petrol Filling Stations<br><b>Status:</b> Active<br>Positional Accuracy: Manually positioned to the address or location                                                      | A17NE (NW)                             | 861                          | -       | 393451 416236 |
| 233    | <b>Contemporary Trade Directory Entries</b><br>Name: Lakeside Environmental Waste Water Solutions<br>Location: 19, Milnrow Road, Littleborough, OL15 0BS<br>Classification: Electrical Engineers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                       | A7NW (SW)                              | 877                          | -       | 393040 414823 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 234    | <b>Contemporary Trade Directory Entries</b><br>Name: Ebor Motors<br>Location: Ebor Garage, Ebor Street, Littleborough, Lancashire, OL15 9AS<br>Classification: Car Body Repairs<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                              | A23SE (N)                              | 880                          | -       | 393960 416421 |
| 234    | <b>Contemporary Trade Directory Entries</b><br>Name: Littleborough Joinery Manufacturing Co Ltd<br>Location: Ebor Street, Littleborough, Lancashire, OL15 9AS<br>Classification: Joinery Manufacturers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                       | A23SE (N)                              | 880                          | -       | 393960 416421 |
| 234    | <b>Contemporary Trade Directory Entries</b><br>Name: Solvair<br>Location: Littleborough, Lancashire, OL15 9as<br>Classification: Mechanical Engineers<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned within the geographical locality                                                           | A23SE (N)                              | 881                          | -       | 393960 416421 |
| 234    | <b>Contemporary Trade Directory Entries</b><br>Name: Alan Bush<br>Location: Todmorden Rd, Littleborough, Lancashire, OL15 9EG<br>Classification: Refrigeration Equipment Manufacturers & Distributors<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the road within the address or location | A23SE (N)                              | 915                          | -       | 393936 416455 |
| 235    | <b>Contemporary Trade Directory Entries</b><br>Name: Aaa Pest Control Services<br>Location: Seed Hill Chambers, 38, Church Street, Littleborough, OL15 9AA<br>Classification: Pest & Vermin Control<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                          | A18NW (N)                              | 880                          | -       | 393730 416390 |
| 235    | <b>Contemporary Trade Directory Entries</b><br>Name: Rexco Launderette<br>Location: 37, Victoria Street, Littleborough, Lancashire, OL15 8BA<br>Classification: Dry Cleaners<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                                   | A23SW (N)                              | 902                          | -       | 393738 416415 |
| 236    | <b>Contemporary Trade Directory Entries</b><br>Name: Olivers Blinds<br>Location: Old Lodge Inn, Rakewood Road, Littleborough, Lancashire, OL15 0AL<br>Classification: Blinds, Awnings & Canopies<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                             | A9SW (SE)                              | 901                          | -       | 394307 414459 |
| 237    | <b>Contemporary Trade Directory Entries</b><br>Name: Mikrospin<br>Location: Mikrospin House, William Street, Littleborough, Lancashire, OL15 8JP<br>Classification: Hydraulic Equipment & Accessories - Sales & Service<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address        | A17NE (NW)                             | 914                          | -       | 393276 416149 |
| 237    | <b>Contemporary Trade Directory Entries</b><br>Name: Mikrospin Ltd<br>Location: Mikrospin House, William Street, Littleborough, Lancashire, OL15 8JP<br>Classification: Hydraulic Equipment & Accessories - Sales & Service<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address  | A17NE (NW)                             | 914                          | -       | 393276 416149 |
| 237    | <b>Contemporary Trade Directory Entries</b><br>Name: Cjc<br>Location: Butterworth St, Littleborough, Lancashire, OL15 8JS<br>Classification: PVC-U Products - Manufacturers & Suppliers<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the road within the address or location               | A17NE (NW)                             | 937                          | -       | 393246 416148 |
| 237    | <b>Contemporary Trade Directory Entries</b><br>Name: V-Plas<br>Location: Butterworth St, Littleborough, Lancashire, OL15 8JS<br>Classification: Plastic Products - Manufacturers<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the road within the address or location                      | A17NE (NW)                             | 938                          | -       | 393246 416150 |
| 237    | <b>Contemporary Trade Directory Entries</b><br>Name: Falcon Reclamation Service<br>Location: Butterworth St, Littleborough, Lancashire, OL15 8JS<br>Classification: Reclamation Centres<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned within the geographical locality                         | A17NE (NW)                             | 946                          | -       | 393234 416149 |



| Map ID | Details                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 238    | <b>Contemporary Trade Directory Entries</b><br>Name: Mobilmech<br>Location: 71, Brown Lodge Drive, Littleborough, Lancashire, OL15 0ET<br>Classification: Car Engine Tuning & Diagnostic Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                 | A12SW (W)                              | 926                          | -       | 392885<br>415331 |
| 239    | <b>Contemporary Trade Directory Entries</b><br>Name: Air Fabrications Ltd<br>Location: Ebor Street, Littleborough, Lancashire, OL15 9AS<br>Classification: Sheet Metal Work<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                       | A23SE (N)                              | 927                          | -       | 393990<br>416467 |
| 239    | <b>Contemporary Trade Directory Entries</b><br>Name: G J M Engineering<br>Location: Unit 1 Ebor Street, Littleborough, Lancashire, OL15 9AS<br>Classification: Press Tool Manufacturers & Distributors<br><b>Status:</b> Active<br>Positional Accuracy: Manually positioned within the geographical locality | A23SE (N)                              | 927                          | -       | 393990<br>416467 |
| 240    | <b>Contemporary Trade Directory Entries</b><br>Name: Graham'S<br>Location: Unit 3 Brown St, Littleborough, Lancashire, OL15 8BW<br>Classification: Wrought Ironwork<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location                                        | A18NW (N)                              | 928                          | -       | 393571<br>416384 |
| 241    | <b>Contemporary Trade Directory Entries</b><br>Name: Ranch House Steaks<br>Location: 44, Victoria Street, Littleborough, Lancashire, OL15 9DB<br>Classification: Meat Product Manufacturers & Wholesalers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address         | A23SW (N)                              | 929                          | -       | 393723<br>416439 |
| 241    | <b>Contemporary Trade Directory Entries</b><br>Name: Bamford Dry Cleaners<br>Location: 13, Hare Hill Road, Littleborough, Lancashire, OL15 9AD<br>Classification: Dry Cleaners<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                    | A23SW (N)                              | 933                          | -       | 393671<br>416428 |
| 241    | <b>Contemporary Trade Directory Entries</b><br>Name: Animal & Angling Supplies<br>Location: Rear of 42, Victoria Street, Littleborough, Lancashire, OL15 9DB<br>Classification: Pet Foods & Animal Feeds<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address            | A23SW (N)                              | 944                          | -       | 393733<br>416457 |
| 241    | <b>Contemporary Trade Directory Entries</b><br>Name: D K Motors<br>Location: Rear of 22, Hare Hill Road, Littleborough, OL15 9BA<br>Classification: Garage Services<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                                 | A23SW (N)                              | 953                          | -       | 393699<br>416457 |
| 241    | <b>Contemporary Trade Directory Entries</b><br>Name: A Lockett & Sons<br>Location: 30, Hare Hill Road, Littleborough, Lancashire, OL15 9BA<br>Classification: Coal & Smokeless Fuel Merchants & Distributors<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address        | A23SW (N)                              | 968                          | -       | 393670<br>416464 |
| 242    | <b>Contemporary Trade Directory Entries</b><br>Name: Breda Garage<br>Location: Albert Street, Littleborough, OL15 8BS<br>Classification: Garage Services<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                                            | A17NE (NW)                             | 935                          | -       | 393491<br>416350 |
| 243    | <b>Contemporary Trade Directory Entries</b><br>Name: Victoria Garage<br>Location: Halifax Road, Littleborough, OL15 0HB<br>Classification: Garage Services<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                                          | A23SE (N)                              | 935                          | -       | 394149<br>416456 |
| 243    | <b>Contemporary Trade Directory Entries</b><br>Name: Texaco<br>Location: Halifax Road, Littleborough, Lancashire, OL15 0HL<br>Classification: Petrol Filling Stations<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the road within the address or location                      | A23SE (N)                              | 944                          | -       | 394131<br>416468 |

| Map ID | Details                                                                                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 244    | <b>Contemporary Trade Directory Entries</b><br>Name: Belden<br>Location: Stockton Street, Littleborough, Lancashire, OL15 8YJ<br>Classification: Cable & Wire Equipment Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                    | A17NE (NW)                             | 937                          | -       | 393344 416247 |
| 245    | <b>Contemporary Trade Directory Entries</b><br>Name: Falcon Trunking Systems Ltd<br>Location: Butterworth Street, Littleborough, Lancashire, OL15 8JS<br>Classification: Plastics - Extrusion<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address              | A17NW (NW)                             | 939                          | -       | 393183 416071 |
| 245    | <b>Contemporary Trade Directory Entries</b><br>Name: Mayplas Ltd<br>Location: Butterworth Street, Littleborough, Lancashire, OL15 8JS<br>Classification: Insulation Materials<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                            | A17NW (NW)                             | 939                          | -       | 393183 416071 |
| 245    | <b>Contemporary Trade Directory Entries</b><br>Name: J Priestley & Son<br>Location: William Street, Littleborough, Lancashire, OL15 8JP<br>Classification: Woodworking Machinery<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                           | A17NW (NW)                             | 967                          | -       | 393180 416114 |
| 246    | <b>Contemporary Trade Directory Entries</b><br>Name: Scratchworks<br>Location: 7, Mill Fold Gardens, Littleborough, Lancashire, OL15 8SA<br>Classification: Car Body Repairs<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                             | A17SW (NW)                             | 979                          | -       | 393023 415871 |
| 247    | <b>Contemporary Trade Directory Entries</b><br>Name: Pennine Hardware Ltd<br>Location: Unit 3, Regent Works, Brown Street, Littleborough, OL15 8BW<br>Classification: Reclamation Centres<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                  | A22SE (N)                              | 981                          | -       | 393525 416421 |
| 247    | <b>Contemporary Trade Directory Entries</b><br>Name: C K C Autobodies<br>Location: Unit 4, Regent Works, Regent Street, Littleborough, Lancashire, OL15 8BH<br>Classification: Car Body Repairs<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address          | A22SE (N)                              | 982                          | -       | 393525 416421 |
| 248    | <b>Contemporary Trade Directory Entries</b><br>Name: Pressing Matters<br>Location: 1, Edward Avenue, Littleborough, Lancashire, OL15 8QW<br>Classification: Ironing & Home Laundry Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address              | A11SE (W)                              | 988                          | -       | 392821 415178 |
| 249    | <b>Contemporary Trade Directory Entries</b><br>Name: Harris Associates Ltd<br>Location: 22, Laurels Drive, Littleborough, OL15 0DU<br>Classification: Electrical Engineers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                 | A6NE (W)                               | 990                          | -       | 392843 415024 |
| 250    | <b>Contemporary Trade Directory Entries</b><br>Name: Anderson Presswork<br>Location: Ending Rake Works, Duke Street, Littleborough, Lancashire, OL15 8DL<br>Classification: Metal Workers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                  | A17NW (NW)                             | 996                          | -       | 393210 416197 |
| 251    | <b>Contemporary Trade Directory Entries</b><br>Name: A1 Mobile Industrial Domestic Surface Cleaners<br>Location: 3, Binns Terrace, Littleborough, Lancashire, OL15 9BH<br>Classification: Blast Cleaning<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address | A23SW (N)                              | 997                          | -       | 393763 416518 |
| 251    | <b>Contemporary Trade Directory Entries</b><br>Name: A 1 Mobile Industrial<br>Location: 3, Binns Terrace, Littleborough, OL15 9BH<br>Classification: Blast Cleaning<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                        | A23SW (N)                              | 997                          | -       | 393763 416518 |

| Map ID | Details                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 251    | <b>Contemporary Trade Directory Entries</b><br>Name: Mobile Industrial Domestic Surface Cleaners<br>Location: 3, Binns Terrace, Littleborough, Lancashire, OL15 9BH<br>Classification: Blast Cleaning<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address | A23SW (N)                              | 997                          | -       | 393763 416518 |
| 251    | <b>Contemporary Trade Directory Entries</b><br>Name: Zip Lines For Sale<br>Location: 16, Barehill Street, Littleborough, OL15 9BL<br>Classification: Sports Equipment Manufacturers & Distributors<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address      | A23SW (N)                              | 999                          | -       | 393730 416513 |
| 252    | <b>Contemporary Trade Directory Entries</b><br>Name: Stanton Motor Garage<br>Location: Unit 4-5, Todmorden Road, Littleborough, Lancashire, OL15 9EG<br>Classification: Garage Services<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                 | A23SE (N)                              | 998                          | -       | 394037 416535 |
| 253    | <b>Contemporary Trade Directory Entries</b><br>Name: Stephen Graham Sales Ltd<br>Location: Unit 3a-3b Stockton Street, Littleborough, Lancashire, OL15 8YJ<br>Classification: Hardware<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned within the geographical locality   | A17NE (NW)                             | 1000                         | -       | 393329 416318 |
| 253    | <b>Contemporary Trade Directory Entries</b><br>Name: Carlisle<br>Location: Stockton Street, Littleborough, OL15 8YJ<br>Classification: Cable & Wire Equipment Manufacturers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                             | A17NE (NW)                             | 1000                         | -       | 393329 416318 |
| 254    | <b>Fuel Station Entries</b><br>Name: Mfg Littleborough<br>Location: Church Street , , Littleborough, Greater Manchester, OL15 8JA<br>Brand: Texaco<br>Premises Type: Petrol Station<br><b>Status:</b> Open<br>Positional Accuracy: Manually positioned to the address or location                | A17NE (NW)                             | 862                          | -       | 393449 416236 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 255    | <b>Ancient Woodland</b><br>Name: Ealees Wood<br>Reference: 1121208<br>Area(m²): 27814.16<br>Type: Ancient and Semi-Natural Woodland                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A19SW (NE)                             | 732                          | 9       | 394537<br>415994 |
| 256    | <b>Areas of Adopted Green Belt</b><br>Authority: Rochdale Metropolitan Borough Council<br>Plan Name: Rochdale Unitary Development Plan<br><b>Status:</b> Adopted<br>Plan Date: 30th June 2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A13SE (SE)                             | 0                            | 10      | 393897<br>415383 |
| 257    | <b>Sites of Special Scientific Interest</b><br>Name: Rochdale Canal<br>Multiple Areas: Y<br>Total Area (m2): 263678.3<br>Source: Natural England<br>Reference: 2000430<br>Designation Details: Special Area Of Conservation<br>Designation Date: 16th August 2000<br>Date Type: Notified<br>Designation Details: Site Of Special Scientific Interest<br>Designation Date: 16th August 2000<br>Date Type: Notified<br>Designation Details: Water Framework Directive (WFD)<br>Designation Date: 16th August 2000<br>Date Type: Notified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A17SE (NW)                             | 589                          | 9       | 393454<br>415860 |
| 258    | <b>Sites of Special Scientific Interest</b><br>Name: South Pennine Moors<br>Multiple Areas: Y<br>Total Area (m2): 209444972.58<br>Source: Natural England<br>Reference: 1007196<br>Designation Details: Scheduled Ancient Monument<br>Designation Date: 26th September 1994<br>Date Type: Notified<br>Designation Details: Environmentally Sensitive Area<br>Designation Date: 26th September 1994<br>Date Type: Notified<br>Designation Details: Geological Conservation Review<br>Designation Date: 26th September 1994<br>Date Type: Notified<br>Designation Details: National Trust Reserve<br>Designation Date: 26th September 1994<br>Date Type: Notified<br>Designation Details: Special Area Of Conservation<br>Designation Date: 26th September 1994<br>Date Type: Notified<br>Designation Details: Special Protection Area<br>Designation Date: 26th September 1994<br>Date Type: Notified<br>Designation Details: Site Of Special Scientific Interest<br>Designation Date: 26th September 1994<br>Date Type: Notified<br>Designation Details: Water Framework Directive (WFD)<br>Designation Date: 26th September 1994<br>Date Type: Notified | A14SE (E)                              | 868                          | 9       | 394774<br>415156 |
| 259    | <b>Special Areas of Conservation</b><br>Name: Rochdale Canal<br>Multiple Areas: Y<br>Total Area (m2): 261103.36<br>Source: Natural England<br>Reference: UK0030266<br><b>Status:</b> Designated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A17SE (NW)                             | 589                          | 9       | 393454<br>415860 |
| 260    | <b>Special Areas of Conservation</b><br>Name: South Pennine Moors<br>Multiple Areas: Y<br>Total Area (m2): 650255000.49<br>Source: Natural England<br>Reference: UK0030280<br><b>Status:</b> Designated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | A14SE (E)                              | 868                          | 9       | 394774<br>415156 |
| 261    | <b>Special Protection Areas</b><br>Name: South Pennine Moors Phase 2<br>Multiple Areas: Y<br>Total Area (m2): 209444973.03<br>Source: Natural England<br>Reference: UK9007022<br>Designation Date: Not Supplied                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A14SE (E)                              | 868                          | 9       | 394774<br>415156 |

| Agency & Hydrological                                                                                                                                                                                                                                                                                                                                                                                                                        | Version                                                                                         | Update Cycle                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Contaminated Land Register Entries and Notices</b><br>Environment Agency - Head Office<br>Kirklees Metropolitan Borough Council - Planning Services<br>Rossendale Borough Council - Environmental Health Department<br>Rochdale Metropolitan Borough Council - Environmental Health Department<br>Oldham Metropolitan Borough Council - Environmental Health Department<br>Calderdale Metropolitan Borough Council - Environmental Health | June 2020<br>November 2013<br>November 2015<br>October 2017<br>September 2013<br>September 2014 | Annually<br>Annual Rolling Update<br>Annual Rolling Update<br>Annually<br>Annual Rolling Update<br>Annual Rolling Update  |
| <b>Discharge Consents</b><br>Environment Agency - North East Region<br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                                                | January 2021<br>January 2021                                                                    | Quarterly<br>Quarterly                                                                                                    |
| <b>Enforcement and Prohibition Notices</b><br>Environment Agency - North East Region<br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                               | March 2013<br>March 2013                                                                        | Annual Rolling Update<br>Annual Rolling Update                                                                            |
| <b>Integrated Pollution Controls</b><br>Environment Agency - North East Region<br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                                     | October 2008<br>October 2008                                                                    | Variable<br>Variable                                                                                                      |
| <b>Integrated Pollution Prevention And Control</b><br>Environment Agency - North East Region<br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                       | January 2021<br>January 2021                                                                    | Quarterly<br>Quarterly                                                                                                    |
| <b>Local Authority Integrated Pollution Prevention And Control</b><br>Kirklees Metropolitan Borough Council - Environmental Health Department<br>Rochdale Metropolitan Borough Council - Environmental Health Department<br>Oldham Metropolitan Borough Council - Environmental Health Department<br>Rossendale Borough Council - Environmental Health Department<br>Calderdale Metropolitan Borough Council - Environmental Health          | April 2014<br>July 2014<br>March 2015<br>May 2016<br>October 2014                               | Variable<br>Variable<br>Variable<br>Variable<br>Variable                                                                  |
| <b>Local Authority Pollution Prevention and Controls</b><br>Kirklees Metropolitan Borough Council - Environmental Health Department<br>Rochdale Metropolitan Borough Council - Environmental Health Department<br>Oldham Metropolitan Borough Council - Environmental Health Department<br>Rossendale Borough Council - Environmental Health Department<br>Calderdale Metropolitan Borough Council - Environmental Health                    | April 2014<br>July 2014<br>March 2015<br>May 2016<br>October 2014                               | Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update |
| <b>Local Authority Pollution Prevention and Control Enforcements</b><br>Kirklees Metropolitan Borough Council - Environmental Health Department<br>Rochdale Metropolitan Borough Council - Environmental Health Department<br>Rossendale Borough Council - Environmental Health Department<br>Calderdale Metropolitan Borough Council - Environmental Health<br>Oldham Metropolitan Borough Council - Environmental Health Department        | April 2014<br>July 2014<br>May 2016<br>October 2014<br>September 2013                           | Variable<br>Variable<br>Variable<br>Variable<br>Variable                                                                  |
| <b>Nearest Surface Water Feature</b><br>Ordnance Survey                                                                                                                                                                                                                                                                                                                                                                                      | October 2020                                                                                    |                                                                                                                           |
| <b>Pollution Incidents to Controlled Waters</b><br>Environment Agency - North East Region<br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                          | December 1998<br>January 2000                                                                   | Not Applicable<br>Not Applicable                                                                                          |
| <b>Prosecutions Relating to Authorised Processes</b><br>Environment Agency - North East Region<br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                     | March 2013<br>March 2013                                                                        | Annual Rolling Update<br>Annual Rolling Update                                                                            |
| <b>Prosecutions Relating to Controlled Waters</b><br>Environment Agency - North East Region<br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                        | March 2013<br>March 2013                                                                        | Annual Rolling Update<br>Annual Rolling Update                                                                            |
| <b>Registered Radioactive Substances</b><br>Environment Agency - North East Region<br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                                 | June 2016<br>June 2016                                                                          |                                                                                                                           |
| <b>River Quality</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                                                                                     | November 2001                                                                                   | Not Applicable                                                                                                            |

| Agency & Hydrological                                                                                                                                                                                                                                                                                                                       | Version                                                                      | Update Cycle                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------|
| <b>River Quality Biology Sampling Points</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                            | July 2012                                                                    | Annually                                                      |
| <b>River Quality Chemistry Sampling Points</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                          | July 2012                                                                    | Annually                                                      |
| <b>Substantiated Pollution Incident Register</b><br>Environment Agency - North East Region - Ridings Area<br>Environment Agency - North East Region - Yorkshire Area<br>Environment Agency - North West Region - Central Area<br>Environment Agency - North West Region - North Area<br>Environment Agency - North West Region - South Area | January 2021<br>January 2021<br>January 2021<br>January 2021<br>January 2021 | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly |
| <b>Water Abstractions</b><br>Environment Agency - North East Region<br>Environment Agency - North West Region                                                                                                                                                                                                                               | January 2021<br>January 2021                                                 | Quarterly<br>Quarterly                                        |
| <b>Water Industry Act Referrals</b><br>Environment Agency - North East Region<br>Environment Agency - North West Region                                                                                                                                                                                                                     | October 2017<br>October 2017                                                 | Quarterly<br>Quarterly                                        |
| <b>Groundwater Vulnerability Map</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                    | June 2018                                                                    | As notified                                                   |
| <b>Bedrock Aquifer Designations</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                     | January 2018                                                                 | Annually                                                      |
| <b>Superficial Aquifer Designations</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                 | January 2018                                                                 | Annually                                                      |
| <b>Source Protection Zones</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                          | October 2019                                                                 | Quarterly                                                     |
| <b>Extreme Flooding from Rivers or Sea without Defences</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                             | September 2020                                                               | Quarterly                                                     |
| <b>Flooding from Rivers or Sea without Defences</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                     | September 2020                                                               | Quarterly                                                     |
| <b>Areas Benefiting from Flood Defences</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                             | September 2020                                                               | Quarterly                                                     |
| <b>Flood Water Storage Areas</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                        | September 2020                                                               | Quarterly                                                     |
| <b>Flood Defences</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                   | September 2020                                                               | Quarterly                                                     |
| <b>OS Water Network Lines</b><br>Ordnance Survey                                                                                                                                                                                                                                                                                            | September 2020                                                               | Quarterly                                                     |
| <b>BGS Groundwater Flooding Susceptibility</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                                       | May 2013                                                                     | Annually                                                      |



| Waste                                                                                                                                                                                                                                                                                                                                                                                                                 | Version                                                                      | Update Cycle                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>BGS Recorded Landfill Sites</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                                                                                                                             | June 1996                                                                    | Not Applicable                                                                                           |
| <b>Historical Landfill Sites</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                                                  | October 2019                                                                 | Quarterly                                                                                                |
| <b>Integrated Pollution Control Registered Waste Sites</b><br>Environment Agency - North East Region<br>Environment Agency - North West Region                                                                                                                                                                                                                                                                        | October 2008<br>October 2008                                                 | Not Applicable<br>Not Applicable                                                                         |
| <b>Licensed Waste Management Facilities (Landfill Boundaries)</b><br>Environment Agency - North East Region - Ridings Area<br>Environment Agency - North East Region - Yorkshire Area<br>Environment Agency - North West Region - Central Area<br>Environment Agency - North West Region - North Area<br>Environment Agency - North West Region - South Area                                                          | January 2021<br>January 2021<br>January 2021<br>January 2021<br>January 2021 | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly                                            |
| <b>Licensed Waste Management Facilities (Locations)</b><br>Environment Agency - North East Region - Ridings Area<br>Environment Agency - North East Region - Yorkshire Area<br>Environment Agency - North West Region - Central Area<br>Environment Agency - North West Region - North Area<br>Environment Agency - North West Region - South Area                                                                    | January 2021<br>January 2021<br>January 2021<br>January 2021<br>January 2021 | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly<br>Quarterly                                            |
| <b>Local Authority Landfill Coverage</b><br>Calderdale Metropolitan Borough Council - Environmental Health<br>Kirklees Metropolitan Borough Council - Planning Services<br>Lancashire County Council - Waste Management Group<br>Oldham Metropolitan Borough Council<br>Rochdale Metropolitan Borough Council - Environmental Health Department<br>Rossendale Borough Council - Environmental Health Department       | May 2000<br>May 2000<br>May 2000<br>May 2000<br>May 2000<br>May 2000         | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable |
| <b>Local Authority Recorded Landfill Sites</b><br>Calderdale Metropolitan Borough Council - Environmental Health<br>Kirklees Metropolitan Borough Council - Planning Services<br>Lancashire County Council - Waste Management Group<br>Oldham Metropolitan Borough Council<br>Rochdale Metropolitan Borough Council - Environmental Health Department<br>Rossendale Borough Council - Environmental Health Department | May 2000<br>May 2000<br>May 2000<br>May 2000<br>May 2000<br>May 2000         | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable |
| <b>Registered Landfill Sites</b><br>Environment Agency - North East Region - Ridings Area<br>Environment Agency - North East Region - Yorkshire Area<br>Environment Agency - North West Region - Central Area<br>Environment Agency - North West Region - North Area<br>Environment Agency - North West Region - South Area                                                                                           | March 2003<br>March 2003<br>March 2003<br>March 2003<br>March 2003           | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable                   |
| <b>Registered Waste Transfer Sites</b><br>Environment Agency - North East Region - Ridings Area<br>Environment Agency - North East Region - Yorkshire Area<br>Environment Agency - North West Region - Central Area<br>Environment Agency - North West Region - North Area<br>Environment Agency - North West Region - South Area                                                                                     | March 2003<br>March 2003<br>March 2003<br>March 2003<br>March 2003           | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable                   |
| <b>Registered Waste Treatment or Disposal Sites</b><br>Environment Agency - North East Region - Ridings Area<br>Environment Agency - North East Region - Yorkshire Area<br>Environment Agency - North West Region - Central Area<br>Environment Agency - North West Region - North Area<br>Environment Agency - North West Region - South Area                                                                        | March 2003<br>March 2003<br>March 2003<br>March 2003<br>March 2003           | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable                   |

| Hazardous Substances                                                                                                                                                                                                                                                                                                      | Version                                                                                          | Update Cycle                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>Control of Major Accident Hazards Sites (COMAH)</b><br>Health and Safety Executive                                                                                                                                                                                                                                     | April 2018                                                                                       | Bi-Annually                                                          |
| <b>Explosive Sites</b><br>Health and Safety Executive                                                                                                                                                                                                                                                                     | March 2017                                                                                       | Annually                                                             |
| <b>Notification of Installations Handling Hazardous Substances (NIHHS)</b><br>Health and Safety Executive                                                                                                                                                                                                                 | November 2000                                                                                    | Not Applicable                                                       |
| <b>Planning Hazardous Substance Enforcements</b><br>Kirklees Metropolitan Borough Council - Planning Services<br>Calderdale Metropolitan Borough Council<br>Lancashire County Council<br>Oldham Metropolitan Borough Council<br>Rochdale Metropolitan Borough Council<br>Rossendale Borough Council - Planning Department | August 2015<br>February 2016<br>February 2016<br>February 2016<br>February 2016<br>February 2016 | Variable<br>Variable<br>Variable<br>Variable<br>Variable<br>Variable |
| <b>Planning Hazardous Substance Consents</b><br>Kirklees Metropolitan Borough Council - Planning Services<br>Calderdale Metropolitan Borough Council<br>Lancashire County Council<br>Oldham Metropolitan Borough Council<br>Rochdale Metropolitan Borough Council<br>Rossendale Borough Council - Planning Department     | August 2015<br>February 2016<br>February 2016<br>February 2016<br>February 2016<br>February 2016 | Variable<br>Variable<br>Variable<br>Variable<br>Variable<br>Variable |
| Geological                                                                                                                                                                                                                                                                                                                | Version                                                                                          | Update Cycle                                                         |
| <b>BGS 1:625,000 Solid Geology</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                                 | January 2009                                                                                     | Not Applicable                                                       |
| <b>BGS Recorded Mineral Sites</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                                  | November 2020                                                                                    | Bi-Annually                                                          |
| <b>CBSCB Compensation District</b><br>Cheshire Brine Subsidence Compensation Board (CBSCB)                                                                                                                                                                                                                                | August 2011                                                                                      | Not Applicable                                                       |
| <b>Coal Mining Affected Areas</b><br>The Coal Authority - Property Searches                                                                                                                                                                                                                                               | March 2014                                                                                       | Annual Rolling Update                                                |
| <b>Mining Instability</b><br>Ove Arup & Partners                                                                                                                                                                                                                                                                          | October 2000                                                                                     | Not Applicable                                                       |
| <b>Non Coal Mining Areas of Great Britain</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                      | May 2015                                                                                         | Not Applicable                                                       |
| <b>Potential for Collapsible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                          | April 2020                                                                                       | Annually                                                             |
| <b>Potential for Compressible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                         | January 2019                                                                                     | Annually                                                             |
| <b>Potential for Ground Dissolution Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                          | January 2019                                                                                     | Annually                                                             |
| <b>Potential for Landslide Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                            | January 2019                                                                                     | Annually                                                             |
| <b>Potential for Running Sand Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                         | January 2019                                                                                     | Annually                                                             |
| <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                           | January 2019                                                                                     | Annually                                                             |
| <b>Radon Potential - Radon Affected Areas</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                      | July 2011                                                                                        | Annually                                                             |
| <b>Radon Potential - Radon Protection Measures</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                 | July 2011                                                                                        | Annually                                                             |

| Industrial Land Use                                                                                                                                                                                                                                          | Version                                                       | Update Cycle                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Contemporary Trade Directory Entries</b><br>Thomson Directories                                                                                                                                                                                           | January 2021                                                  | Quarterly                                                               |
| <b>Fuel Station Entries</b><br>Catalist Ltd - Experian                                                                                                                                                                                                       | February 2021                                                 | Quarterly                                                               |
| <b>Gas Pipelines</b><br>National Grid                                                                                                                                                                                                                        | January 2021                                                  |                                                                         |
| <b>Underground Electrical Cables</b><br>National Grid                                                                                                                                                                                                        | December 2020                                                 |                                                                         |
| Sensitive Land Use                                                                                                                                                                                                                                           | Version                                                       | Update Cycle                                                            |
| <b>Ancient Woodland</b><br>Natural England                                                                                                                                                                                                                   | February 2021                                                 | Bi-Annually                                                             |
| <b>Areas of Adopted Green Belt</b><br>Calderdale Metropolitan Borough Council<br>Kirklees Metropolitan Borough Council<br>Oldham Metropolitan Borough Council<br>Rochdale Metropolitan Borough Council<br>Rossendale Borough Council - Planning Department   | June 2020<br>June 2020<br>June 2020<br>June 2020<br>June 2020 | As notified<br>As notified<br>As notified<br>As notified<br>As notified |
| <b>Areas of Unadopted Green Belt</b><br>Calderdale Metropolitan Borough Council<br>Kirklees Metropolitan Borough Council<br>Oldham Metropolitan Borough Council<br>Rochdale Metropolitan Borough Council<br>Rossendale Borough Council - Planning Department | June 2020<br>June 2020<br>June 2020<br>June 2020<br>June 2020 | As notified<br>As notified<br>As notified<br>As notified<br>As notified |
| <b>Areas of Outstanding Natural Beauty</b><br>Natural England                                                                                                                                                                                                | January 2021                                                  | Bi-Annually                                                             |
| <b>Environmentally Sensitive Areas</b><br>Natural England                                                                                                                                                                                                    | January 2017                                                  |                                                                         |
| <b>Forest Parks</b><br>Forestry Commission                                                                                                                                                                                                                   | April 1997                                                    | Not Applicable                                                          |
| <b>Local Nature Reserves</b><br>Natural England                                                                                                                                                                                                              | February 2021                                                 | Bi-Annually                                                             |
| <b>Marine Nature Reserves</b><br>Natural England                                                                                                                                                                                                             | July 2019                                                     | Bi-Annually                                                             |
| <b>National Nature Reserves</b><br>Natural England                                                                                                                                                                                                           | January 2021                                                  | Bi-Annually                                                             |
| <b>National Parks</b><br>Natural England                                                                                                                                                                                                                     | April 2017                                                    | Bi-Annually                                                             |
| <b>Nitrate Sensitive Areas</b><br>Natural England                                                                                                                                                                                                            | April 2016                                                    | Not Applicable                                                          |
| <b>Nitrate Vulnerable Zones</b><br>Environment Agency - Head Office<br>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)                                                                                                            | December 2017<br>October 2015                                 | Bi-Annually                                                             |
| <b>Ramsar Sites</b><br>Natural England                                                                                                                                                                                                                       | August 2020                                                   | Bi-Annually                                                             |
| <b>Sites of Special Scientific Interest</b><br>Natural England                                                                                                                                                                                               | February 2021                                                 | Bi-Annually                                                             |
| <b>Special Areas of Conservation</b><br>Natural England                                                                                                                                                                                                      | July 2020                                                     | Bi-Annually                                                             |
| <b>Special Protection Areas</b><br>Natural England                                                                                                                                                                                                           | February 2021                                                 | Bi-Annually                                                             |



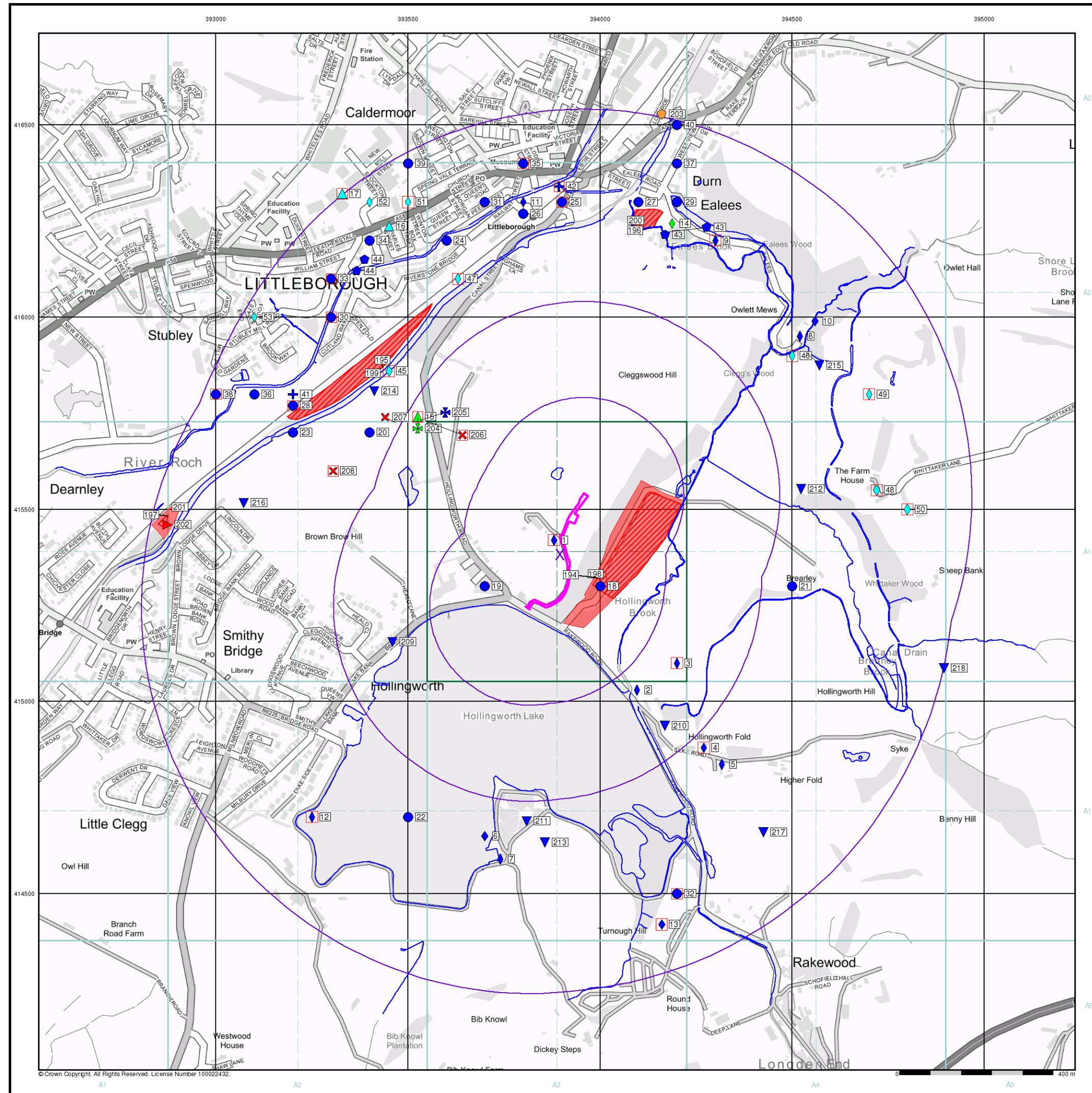
A selection of organisations who provide data within this report

| Data Supplier                          | Data Supplier Logo                                                                                                                                                    |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ordnance Survey                        |                                                                                    |
| Environment Agency                     |                                                                                    |
| Scottish Environment Protection Agency |                                                                                    |
| The Coal Authority                     |                                                                                    |
| British Geological Survey              |  <b>British Geological Survey</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL          |
| Centre for Ecology and Hydrology       |  <b>Centre for Ecology &amp; Hydrology</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL |
| Natural Resources Wales                |                                                                                   |
| Scottish Natural Heritage              |                                                                                  |
| Natural England                        |                                                                                  |
| Public Health England                  |                                                                                  |
| Ove Arup                               |                                                                                  |
| Stantec UK Ltd                         |                                                                                  |

| Contact | Name and Address                                                                                                                                                     | Contact Details                                                                                                                 |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1       | <b>British Geological Survey - Enquiry Service</b><br>British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG       | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk                          |
| 2       | <b>Environment Agency - National Customer Contact Centre (NCCC)</b><br>PO Box 544, Templeborough, Rotherham, S60 1BY                                                 | Telephone: 03708 506 506<br>Email: enquiries@environment-agency.gov.uk                                                          |
| 3       | <b>Rochdale Metropolitan Borough Council - Environmental Health Department</b><br>P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH | Telephone: 01706 864139<br>Fax: 01706 864185<br>Website: www.rochdale.gov.uk                                                    |
| 4       | <b>Environment Agency - Head Office</b><br>Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD                                              | Telephone: 01454 624400<br>Fax: 01454 624409                                                                                    |
| 5       | <b>Ordnance Survey</b><br>Adanac Drive, Southampton, Hampshire, SO16 0AS                                                                                             | Telephone: 03456 05 05 05<br>Email: customerservices@ordnancesurvey.co.uk<br>Website: www.ordnancesurvey.gov.uk                 |
| 6       | <b>Health and Safety Executive</b><br>5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS                                                                              | Website: www.hse.gov.uk                                                                                                         |
| 7       | <b>Rochdale Metropolitan Borough Council</b><br>Municipal Offices, Smith Street, Rochdale, Greater Manchester, OL16 1XG                                              | Telephone: 01706 647474<br>Fax: 01706 59475<br>Website: www.rochdale.gov.uk                                                     |
| 8       | <b>The Coal Authority - Property Searches</b><br>200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG                                                            | Telephone: 0345 762 6848<br>Fax: 01623 637 338<br>Email: groundstability@coal.gov.uk<br>Website: www2.groundstability.com       |
| 9       | <b>Natural England</b><br>County Hall, Spetchley Road, Worcester, WR5 2NP                                                                                            | Telephone: 0300 060 3900<br>Email: enquiries@naturalengland.org.uk<br>Website: www.naturalengland.org.uk                        |
| 10      | <b>Rochdale Metropolitan Borough Council</b><br>PO Box 15, Town Hall, Rochdale, Greater Manchester, OL16 1AB                                                         | Telephone: 01706 647474<br>Fax: 01706 59475<br>Website: www.rochdale.gov.uk                                                     |
| -       | <b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b><br>Chilton, Didcot, Oxfordshire, OX11 0RQ                      | Telephone: 01235 822622<br>Fax: 01235 833891<br>Email: radon@phe.gov.uk<br>Website: www.ukradon.org                             |
| -       | <b>Landmark Information Group Limited</b><br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD                                                                     | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk |

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.





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- ### General

  - Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
- ### Agency and Hydrological

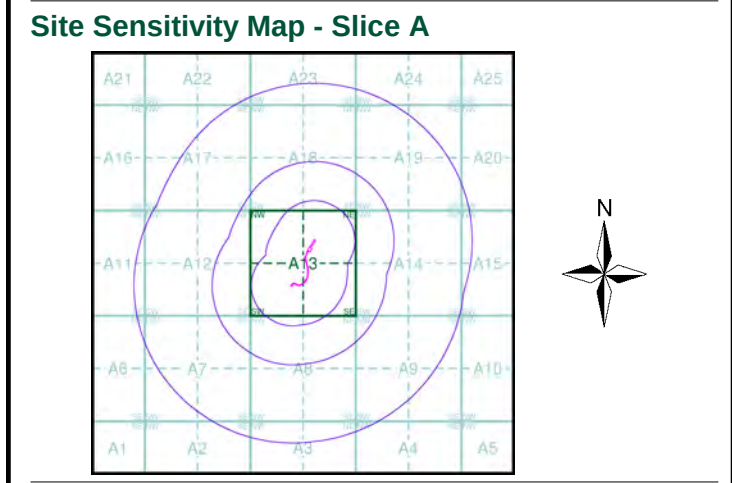
  - Contaminated Land Register Entry or Notice (Location)
  - Contaminated Land Register Entry or Notice
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Integrated Pollution Prevention Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control Enforcement
  - Pollution Incident to Controlled Waters
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - River Quality Sampling Point
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- ### Waste

  - BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - EA Historic Landfill (Buffered Point)
  - EA Historic Landfill (Polygon)
  - Integrated Pollution Control Registered Waste Site
  - Licensed Waste Management Facility (Landfill Boundary)
  - Licensed Waste Management Facility (Location)
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - Registered Landfill Site
  - Registered Landfill Site (Location)
  - Registered Landfill Site (Point Buffered to 100m)
  - Registered Landfill Site (Point Buffered to 250m)
  - Registered Waste Transfer Site (Location)
  - Registered Waste Transfer Site
  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site
- ### Hazardous Substances

  - COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- ### Geological

  - BGS Recorded Mineral Site
- ### Industrial Land Use

  - Contemporary Trade Directory Entry
  - Fuel Station Entry



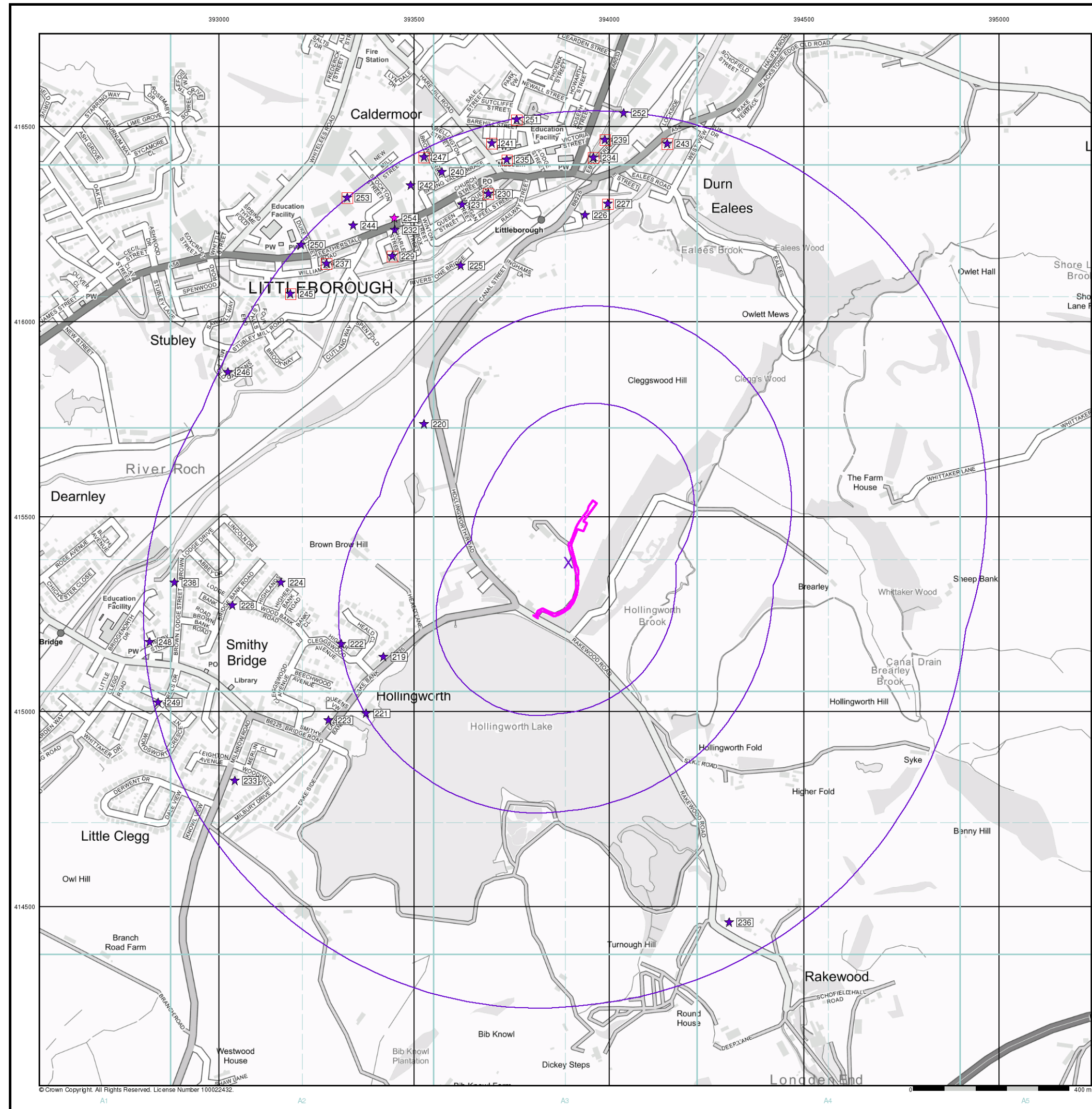
### Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

### Site Details

Land at, LITTLEBOROUGH, OL15 0AZ





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## Industrial Land Use Map

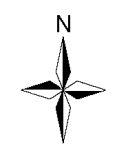
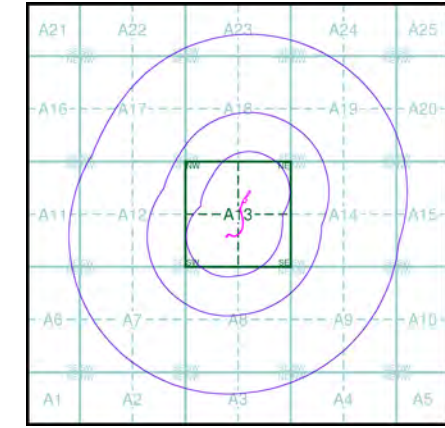
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

## Industrial Land Use Map - Slice A



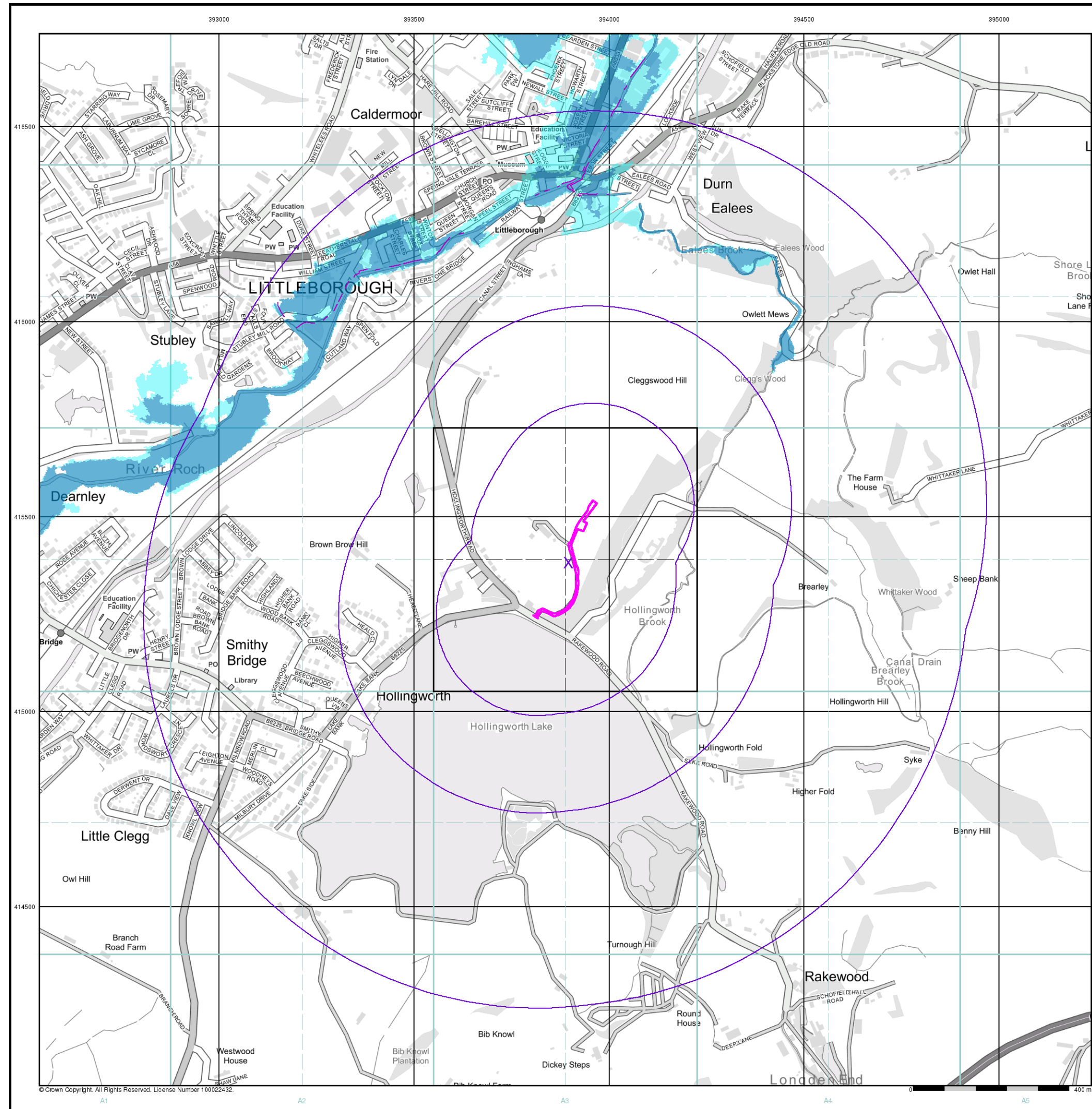
### Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

### Site Details

Land at, LITTLEBOROUGH, OL15 0AZ





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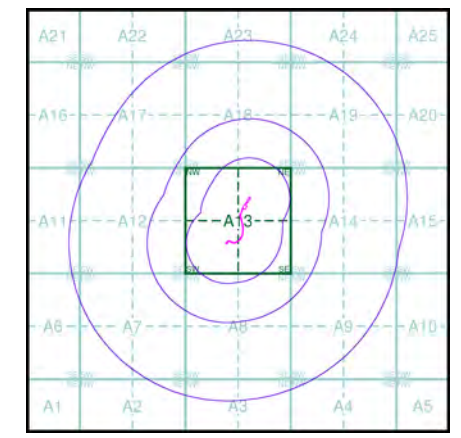
## General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

## Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

## Flood Map - Slice A



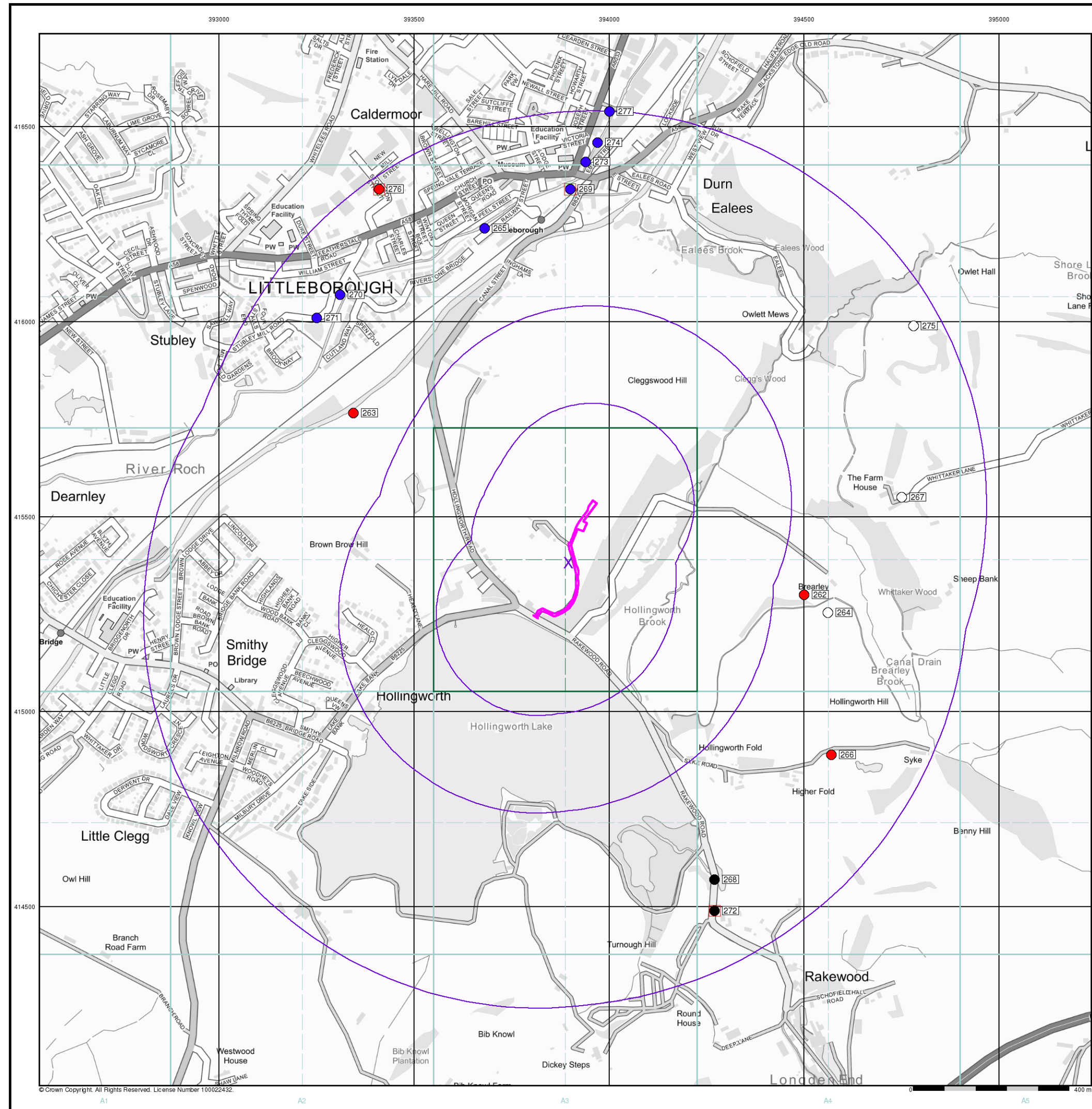
## Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

## Site Details

Land at, LITTLEBOROUGH, OL15 0AZ





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## General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

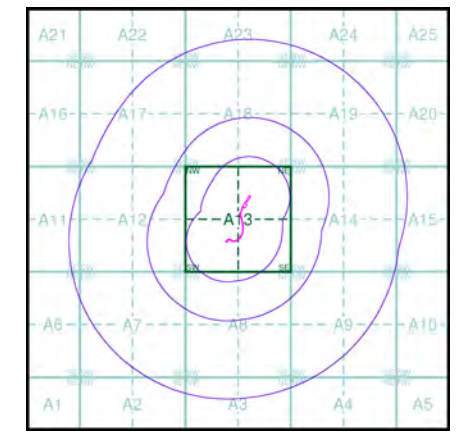
## Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

## Borehole Map - Slice A



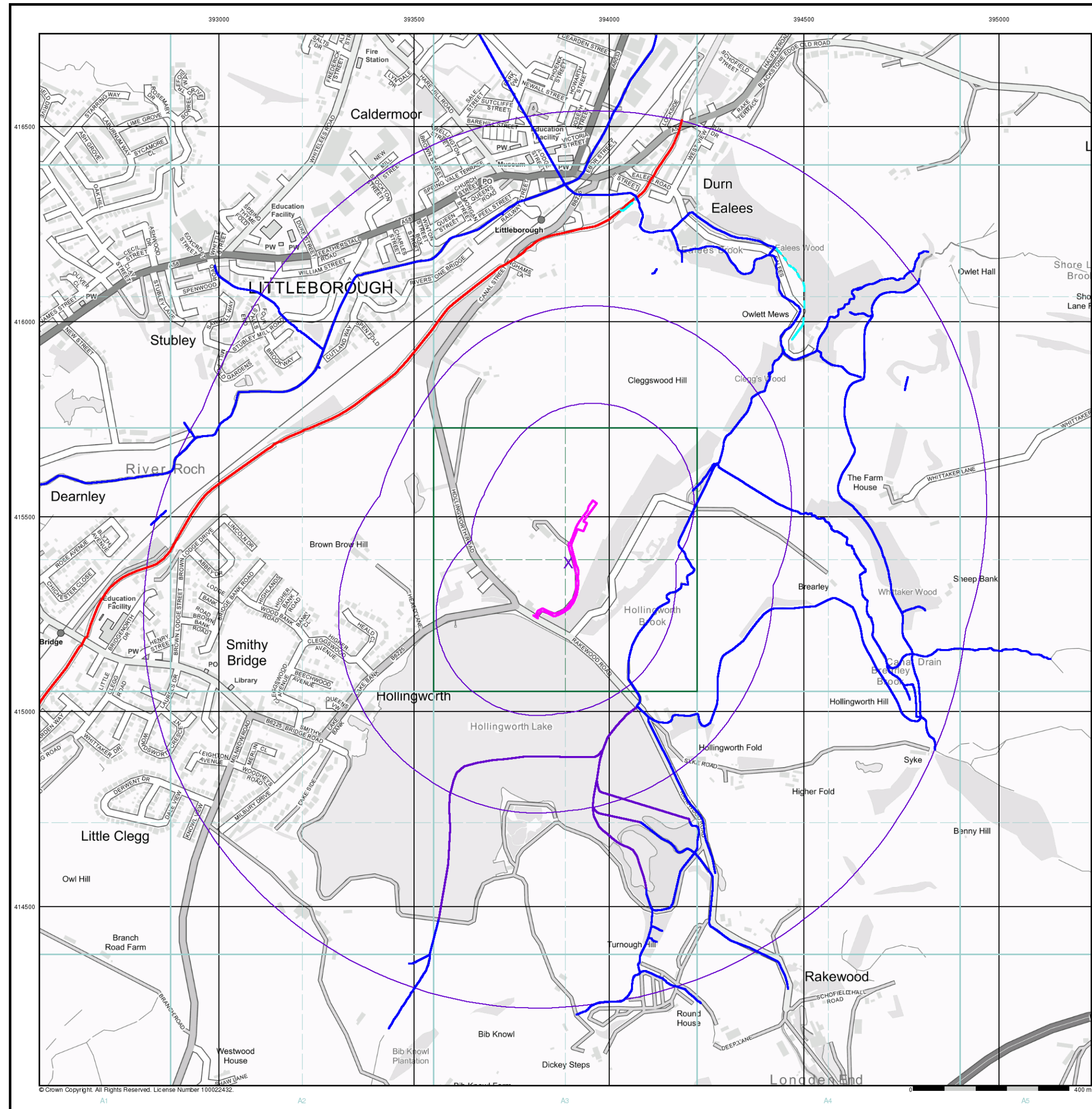
## Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

## Site Details

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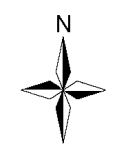
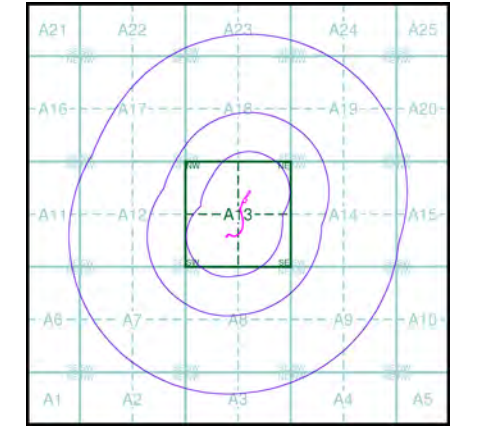
## General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

## OS Water Network Data

- |              |                         |
|--------------|-------------------------|
| Canal        | Drain                   |
| Reservoir    | Other                   |
| Foreshore    | Lake                    |
| Marsh        | Transfer                |
| Tidal River  | Lock Or Flight Of Locks |
| Inland River | Sea                     |

## OS Water Network Map - Slice A



## Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

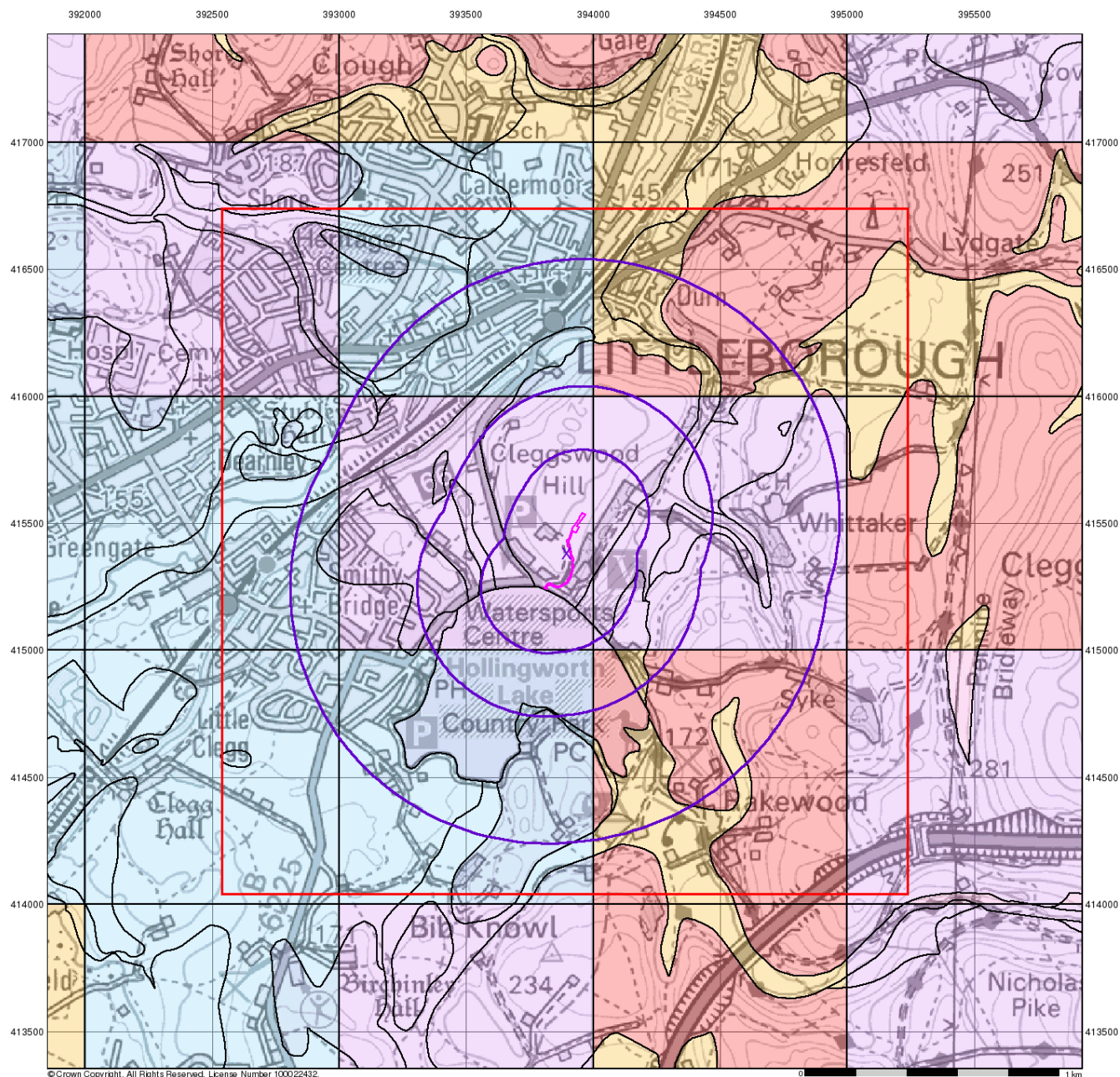
## Site Details

Land at, LITTLEBOROUGH, OL15 0AZ

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INFORMATION GROUP

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Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





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0 1 km

## Groundwater Vulnerability

### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Bedrock Aquifers

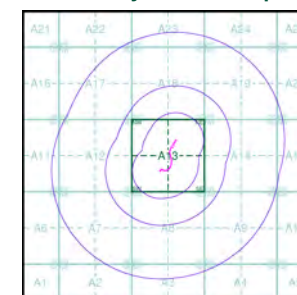
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

#### Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

- Unproductive Aquifer
- Soluble Rock

### Site Sensitivity Context Map - Slice A



### Order Details

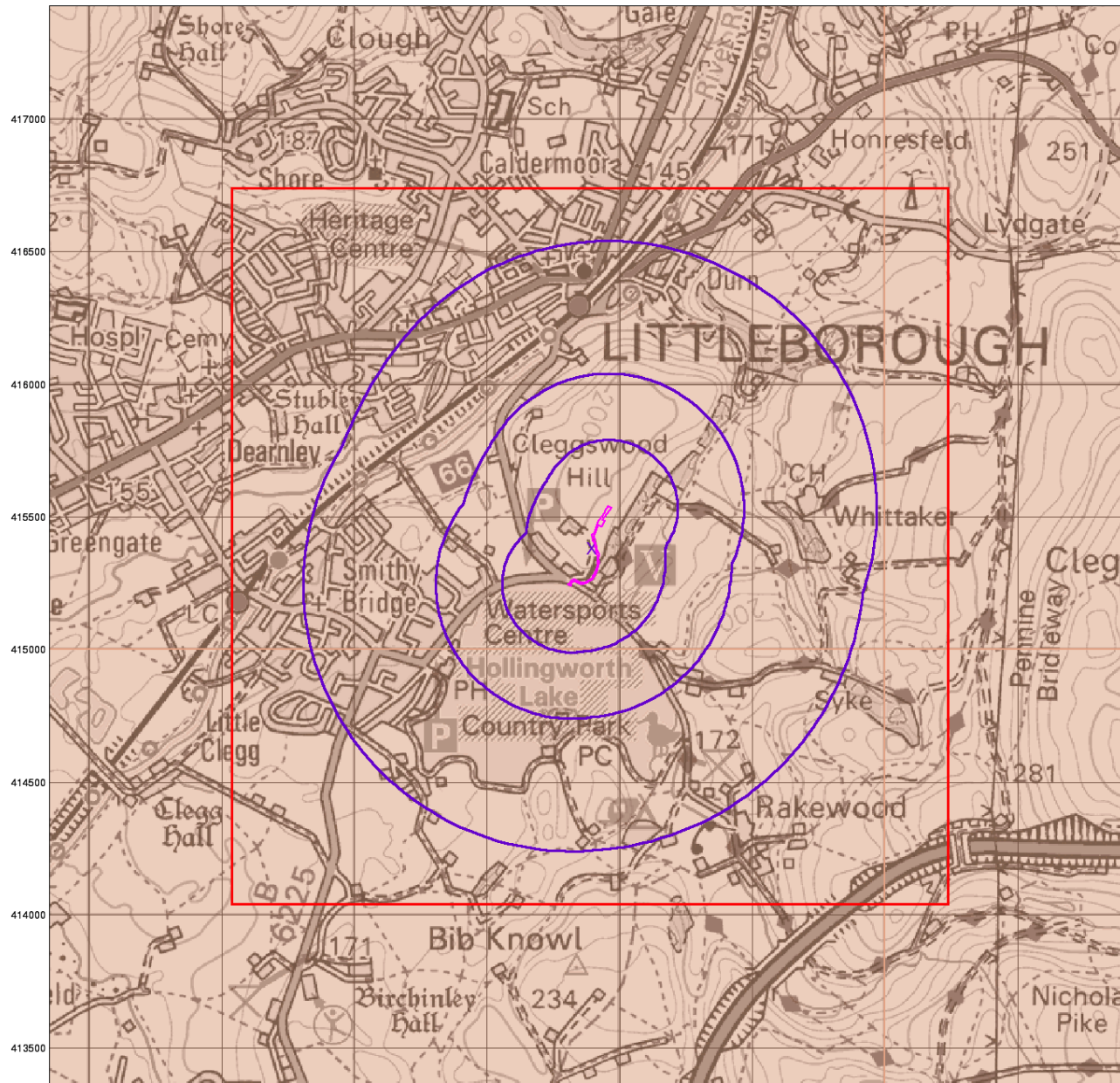
Order Number: 275128498\_1\_1  
 Customer Ref: 3958  
 National Grid Reference: 393900, 415380  
 Slice: A  
 Site Area (Ha): 0.28  
 Search Buffer (m): 1000

### Site Details

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## Bedrock Aquifer Designation

### General

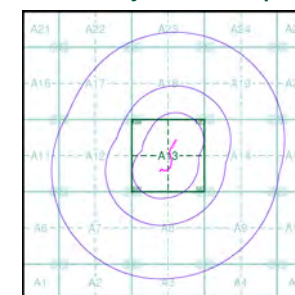
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 275128498\_1\_1  
 Customer Ref: 3958  
 National Grid Reference: 393900, 415380  
 Slice: A  
 Site Area (Ha): 0.28  
 Search Buffer (m): 1000

### Site Details

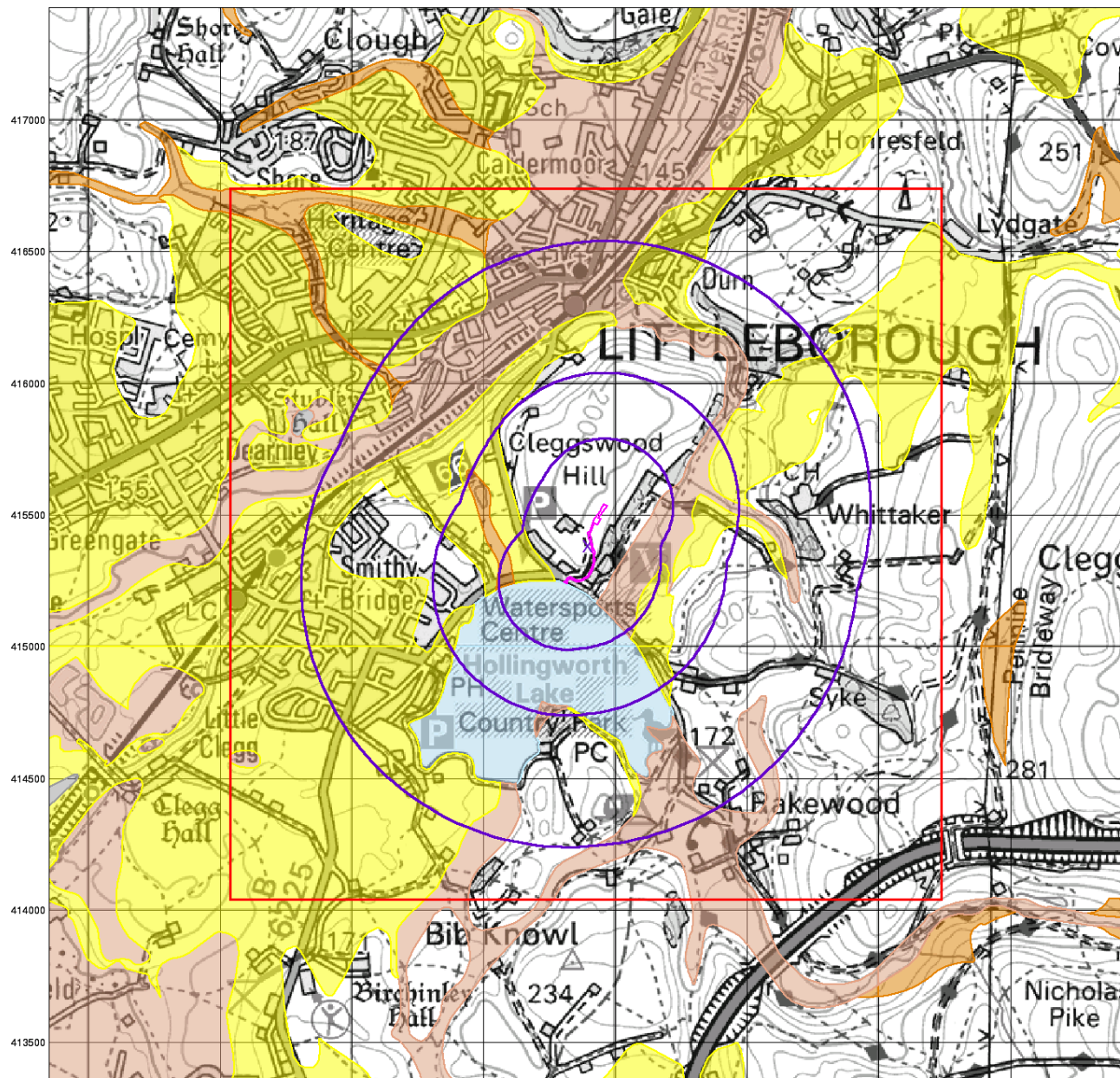
Land at, LITTLEBOROUGH, OL15 0AZ

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## Superficial Aquifer Designation

### General

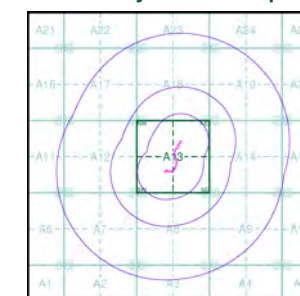
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 275128498\_1\_1  
Customer Ref: 3958  
National Grid Reference: 393900, 415380  
Slice: A  
Site Area (Ha): 0.28  
Search Buffer (m): 1000

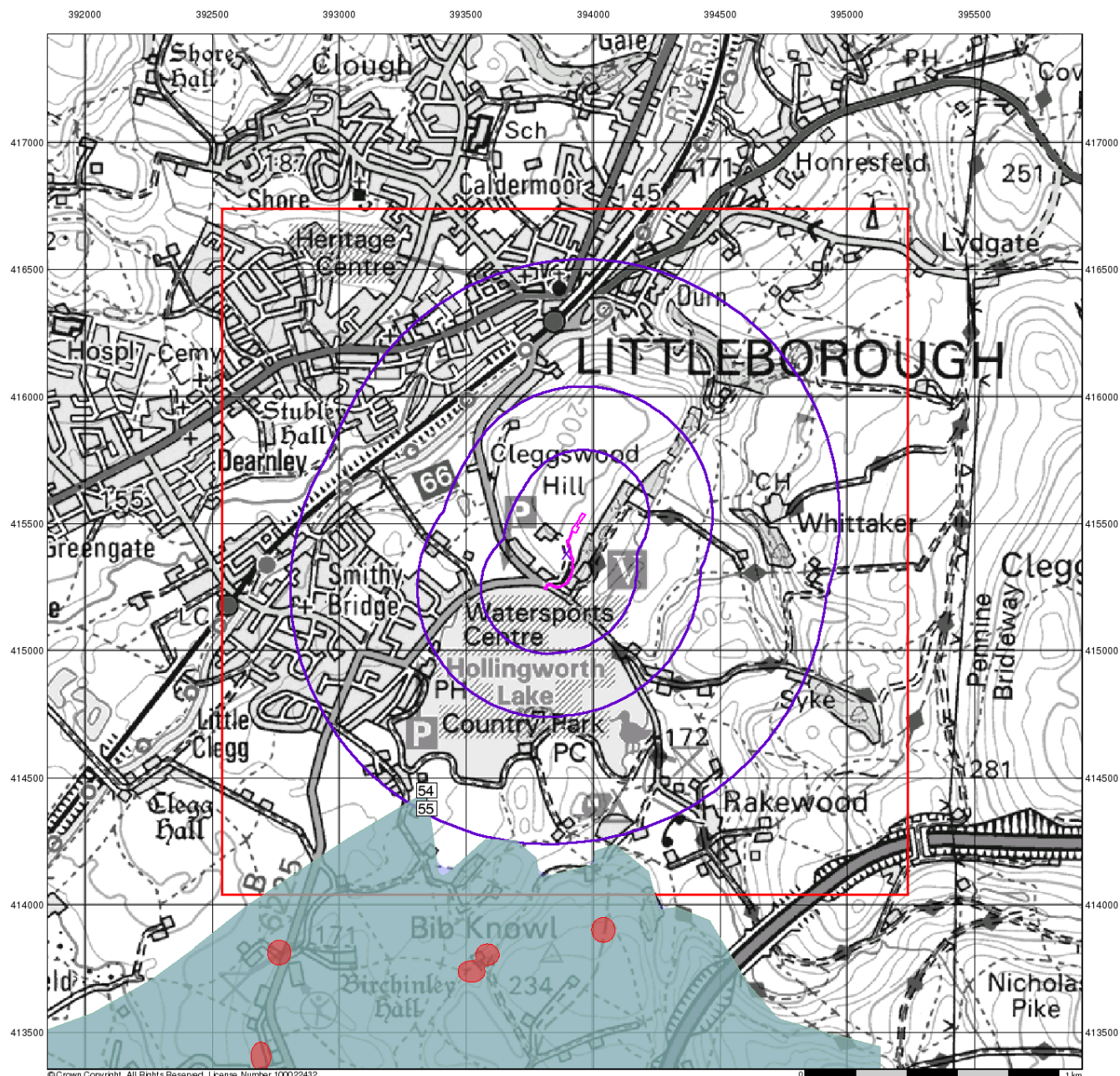
### Site Details

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## Source Protection Zones

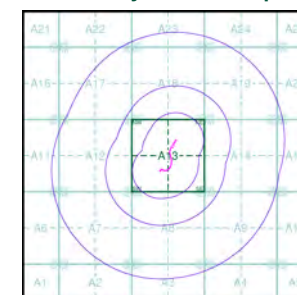
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

## Site Sensitivity Context Map - Slice A



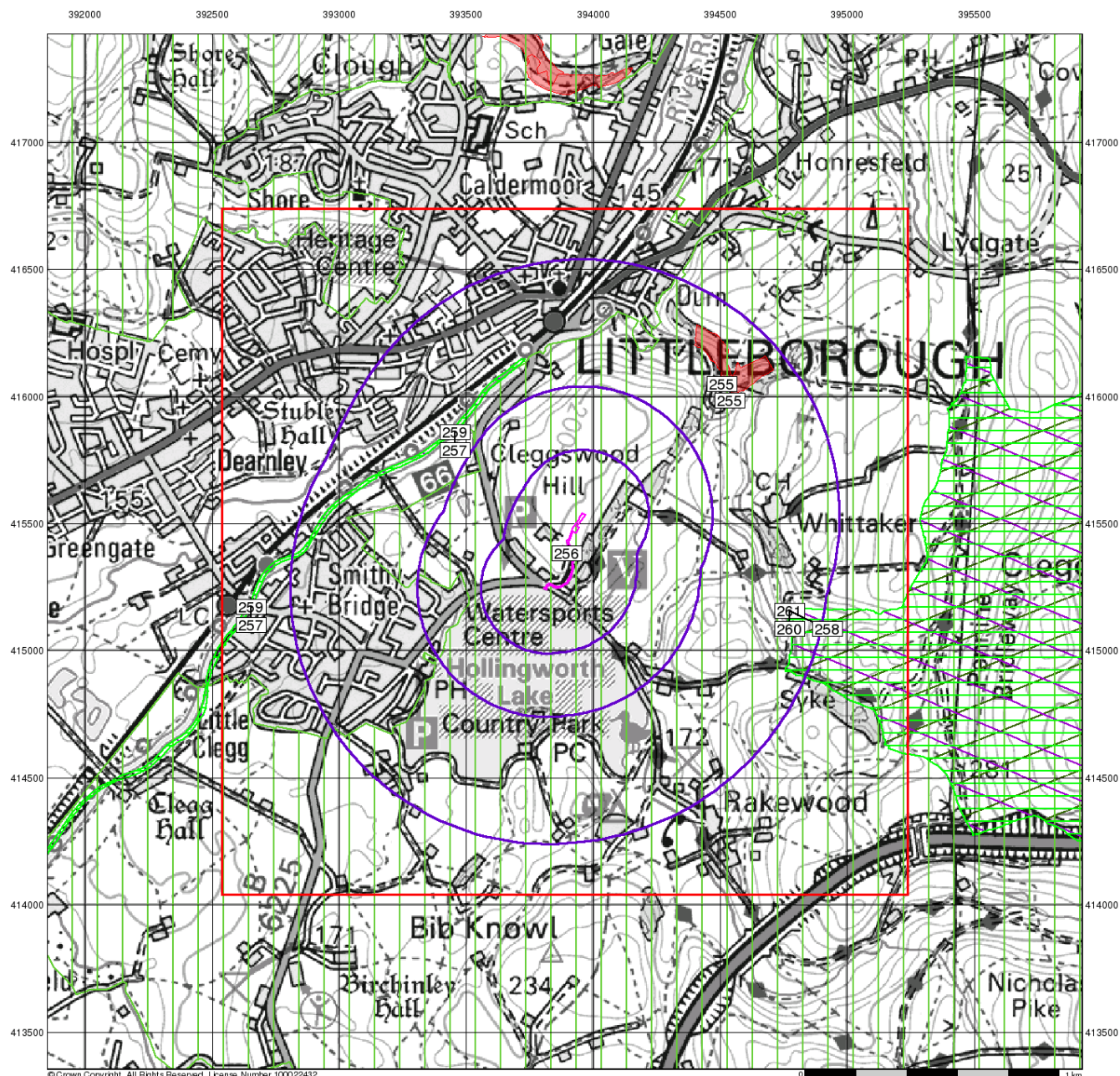
## Order Details

Order Number: 275128498\_1\_1  
 Customer Ref: 3958  
 National Grid Reference: 393900, 415380  
 Slice: A  
 Site Area (Ha): 0.28  
 Search Buffer (m): 1000

## Site Details

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## Sensitive Land Uses

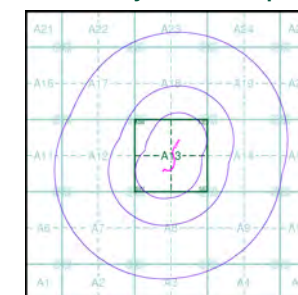
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

## Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 275128498\_1\_1  
 Customer Ref: 3958  
 National Grid Reference: 393900, 415380  
 Slice: A  
 Site Area (Ha): 0.28  
 Search Buffer (m): 1000

### Site Details

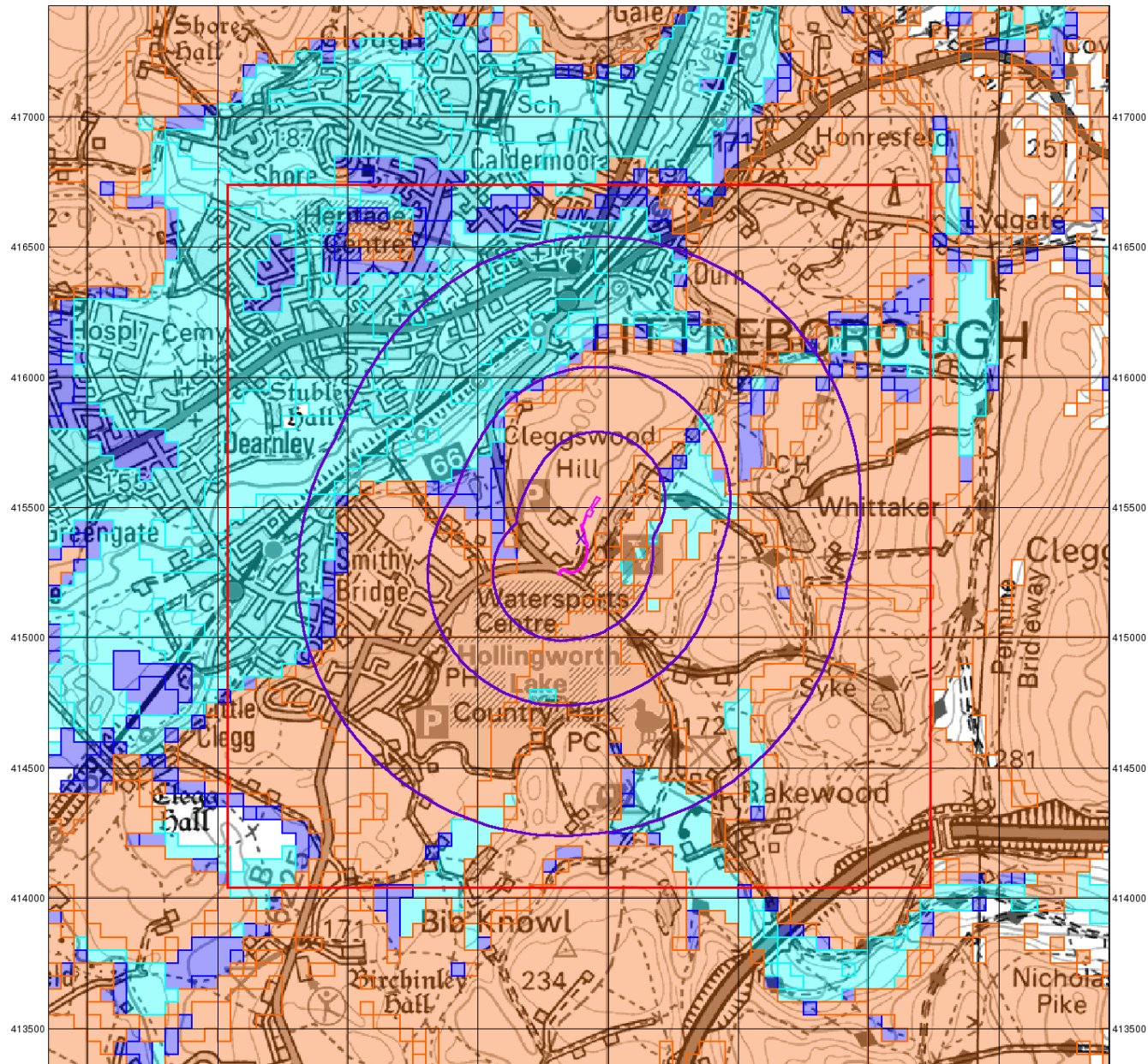
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## BGS Flood GFS Data

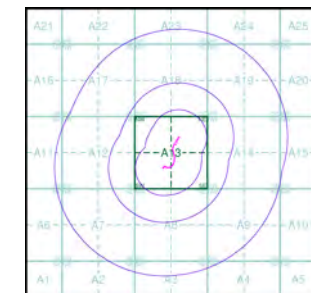
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

### Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

## Site Sensitivity Context Map - Slice A



## Order Details

Order Number: 275128498\_1\_1  
 Customer Ref: 3958  
 National Grid Reference: 393900, 415380  
 Slice: A  
 Site Area (Ha): 0.28  
 Search Buffer (m): 1000

## Site Details

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 Fax: 0844 844 9951  
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## **APPENDIX 4**

### **COAL AUTHORITY REPORT**



The Coal  
Authority

# CON29M

## coal mining report

LAND AT, HOLLINGWORTH ROAD, LITTLEBOROUGH, ROCHDALE, OL15 0AZ



### Known or potential coal mining risks

|                                |        |
|--------------------------------|--------|
| Past underground coal mining   | Page 4 |
| Future underground coal mining | Page 4 |
| Mine entries                   | Page 4 |



### Further action

No further reports from the Coal Authority are required. Further information on any next steps can be found in our Professional opinion.

For more information on our reports please visit  
[www.groundstability.com](http://www.groundstability.com)



### Professional opinion

According to the official mining information records held by the Coal Authority at the time of this search, evidence of, or the potential for, coal mining related features have been identified. In view of the coal mining circumstances we would recommend that any planned or future development should follow detailed technical advice before beginning work on site. Please see **page 3** for further details on **Future development**.

Your reference: **3958**  
Our reference: **51002424389001**  
Date: **17 March 2021**

Client name:  
**Laura Ellis**

If you require any further assistance please  
contact our experts on:  
**0345 762 6848**  
[groundstability@coal.gov.uk](mailto:groundstability@coal.gov.uk)

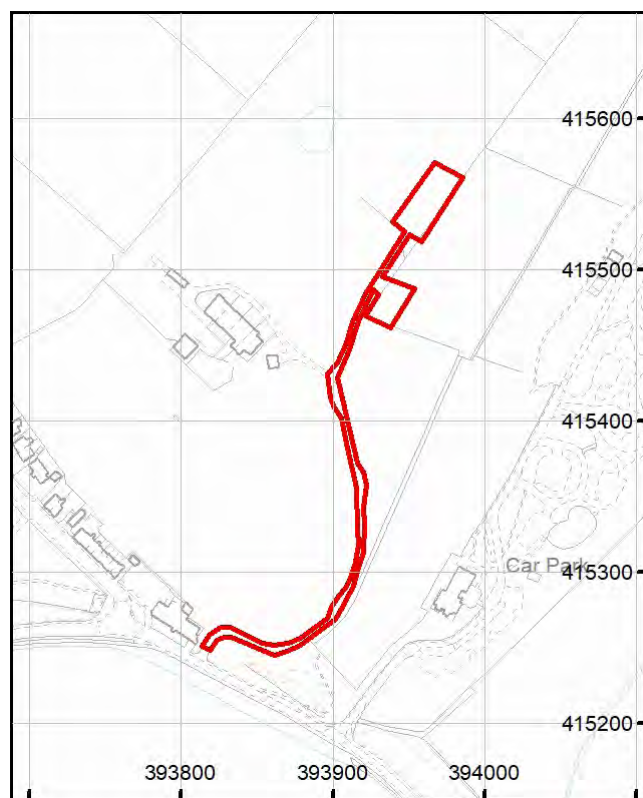


The Law  
Society

# Enquiry boundary

## Key

Approximate position of enquiry boundary shown



We can confirm that the location is  
**on the coalfield**



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This report is prepared in accordance with the latest Law Society's Guidance Notes 2018, the User Guide 2018 and the Coal Authority's Terms and Conditions applicable at the time the report was produced.



## Accessibility

If you would like this information in an alternative format, please contact our communications team on 0345 762 6848 or email [communications@coal.gov.uk](mailto:communications@coal.gov.uk).



# Professional opinion



## Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed.

If you are looking to develop, or undertake works, within a coal mining development high risk area your Local Authority planning department may require a Coal Mining Risk Assessment to be undertaken by a qualified mining geologist or engineer. Should you require any additional information then please contact the Coal Authority on **0345 762 6848** or email **[cmra@coal.gov.uk](mailto:cmra@coal.gov.uk)**.

# Detailed findings

Information provided by the Coal Authority in this report is compiled in response to the Law Society's CON29M Coal Mining enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL.

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## 1 Past underground coal mining

The property is in a surface area that could be affected by underground mining in 2 seams of coal at shallow to 150m depth, and last worked in 1914.

## 2 Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

## 3 Future underground coal mining

The property is not in an area where the Coal Authority has received an application for, and is currently considering whether to grant a licence to remove or work coal by underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

## 4 Mine entries

There are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property.

This information is based on the information that the Coal Authority has at the time of this enquiry.

Based on the Coal Authority's knowledge of the mining circumstances at the time of this enquiry, there may be unrecorded mine entries in the local area that do not appear on Coal Authority records.

## 5 Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

## 6 Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

## 7 Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

## 8 Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

## 9 Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.



## 10 Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

## 11 Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Coal Authority, under its Emergency Surface Hazard Call Out procedures.

## 12 Withdrawal of support

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

## 13 Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

## 14 Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

# Statutory cover



## Coal mining subsidence

In the unlikely event of any coal mining related subsidence damage, the Coal Authority or the mine operator has a duty to take remedial action in respect of subsidence caused by the withdrawal of support from land or property in connection with lawful coal mining operations.

When the works are the responsibility of the Coal Authority, our dedicated public safety and subsidence team will manage the claim. The house or land owner ("the owner") is covered for these works under the terms of the Coal Mining Subsidence Act 1991 (as amended by the Coal Industry Act 1994). Please note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

If you believe your land or property is suffering from coal mining subsidence damage and you need more information on what to do next, please use the following link to our website which sets out what your rights are and what you need to consider before making a claim.

[www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form](http://www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form)



## Coal mining hazards

Our public safety and subsidence team provide a 24 hour a day, 7 days a week hazard reporting service, to help protect the public from hazards caused by past coal workings, such as a mine shaft or shallow working collapse. To report any hazards please call **01623 646 333**. Further information can be found on our website: [www.gov.uk/coalauthority](http://www.gov.uk/coalauthority).

# Glossary



## Key terms

**adit** - horizontal or sloped entrance to a mine

**coal mining subsidence** - ground movement caused by the removal of coal by underground mining

**Coal Mining Subsidence Act 1991** - the Act setting out the duties of the Coal Authority to repair damage caused by coal mining subsidence

**coal mining subsidence damage** - damage to land, buildings or structures caused by the removal of coal by underground mining

**coal seams** - bed of coal of varying thickness

**future opencast coal mining** - a licence granted, or licence application received, by the Coal Authority to excavate coal from the surface

**future underground coal mining** - a licence granted, or licence application received, by the Coal Authority to excavate coal underground. Although it is unlikely, remaining coal reserves could create a possibility for future mining, which would be licensed by the Coal Authority

**mine entries** - collective name for shafts and adits

**payments to owners of former copyhold land** - historically, copyhold land gave rights to coal to the copyholder. Legislation was set up to allow others to work this coal, but they had to issue a notice and pay compensation if a copyholder came forward

**shaft** - vertical entry into a mine

**site investigation** - investigations of coal mining risks carried out with the Coal Authority's permission

**stop notice** - a delay to repairs because further coal mining subsidence damage may occur and it would be unwise to carry out permanent repairs

**subsidence claim** - a formal notice of subsidence damage to the Coal Authority since it was established on 31 October 1994

**withdrawal of support** - a historic notice informing landowners that the coal beneath their property was going to be worked

**working facilities orders** - a court order which gave permission, restricted or prevented coal mine workings



## **APPENDIX 5**

### **SITE WALKOVER PHOTOGRAPHS**



Photograph 1



Photograph 2

NOTES / KEY

Refer to Drawing 3958OD02, Appendix 1 for location and orientation of photographs

DRAWING TITLE

PHOTOGRAPHIC RECORD

PROJECT TITLE

PRELIMINARY CONTAMINATION RISK ASSESSMENT  
ON LAND AT HOLLINGWORTH, LITTLEBOROUGH

CLIENT

MR. PETER WILLIAMS

STATUS

FINAL

DRAWN BY

MB

SCALE

NOT TO SCALE

PROJECT NUMBER

3958

DATE

March 2021

DRG. No.

3058 PLATE 1

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Photograph 3



Photograph 4

#### NOTES / KEY

Refer to Drawing 3958OD02, Appendix 1 for location and orientation of photographs

#### DRAWING TITLE

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#### PROJECT NUMBER

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#### DRG. No.

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Photograph 5



Photograph 6

#### NOTES / KEY

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Photograph 7



Photograph 8



Photograph 9

NOTES / KEY

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3958 PLATE 4

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## **APPENDIX 6**

### **PRINCIPLES OF CONTAMINATION RISK ASSESSMENT**



## PRINCIPLES OF CONTAMINATION RISK ASSESSMENT

The Environmental Protection Act 1990, Part II A Contaminated Land (Section 57 of the Environment Act 1995) and the Contaminated Land Regulations 1999 provide a basis on which to determine the unacceptable risks and liabilities presented by a contaminated site. Contaminated Land is defined within Section 78A(2) and in all those Sections mentioned as:-

“Any land which appears to the local authority in whose area it is situated to be in such a condition, by reason of substances in, on or under the land that-

- a) **SIGNIFICANT HARM** is being caused, or there is significant possibility of such harm being caused; or
- b) **SIGNIFICANT POLLUTION OF CONTROLLED WATERS** is being caused, or there is a significant possibility of such pollution being caused.”

Section 57 of the Environment Act 1995 requires that any site identified as being “contaminated” by the Local Authority will be registered by them and remediation will be required to render the site fit for use.

The presence of contamination is not the sole factor for deciding whether a site is contaminated. Relevant parties should identify site-specific unacceptable risks and provide objective, cost-effective methods to manage the contamination in a manner which satisfies the proposed end-use.

The Environment Agency “Land contamination and Risk Management” guidance defines “risk” as the combination of:-

**PROBABILITY OF RISK:** or frequency, of occurrence of a defined hazard; and

**MAGNITUDE/POTENTIAL SEVERITY:** (including the seriousness) of the consequences.

A risk-based approach, which takes both technical and non-technical aspects into consideration when making decisions on contamination resulting from past, present or future human activities, is advocated.

The assessment of unacceptable risks generally relies on the identification of three principal elements forming a ‘contaminant linkage’:-

**SOURCE:** is a contaminant or pollutant that is in, on or under the land and that has the potential to cause harm or pollution

**RECEPTOR:** something that could be adversely affected by a contaminant eg. a person, controlled waters, an organism, an ecosystem, or Part 2A receptors such as buildings, crops or animals

**PATHWAY:** a route by which a receptor is, or could be, affected by a contaminant

In the absence of any one of these elements, on any given site, there is no risk. Where all three elements are present, a risk assessment is required to determine the significance of the harm or pollution that is being or may be caused. During the risk assessment phase, ‘potential contaminant linkages’ are used, until they are confirmed. Once confirmed, they are referred to as ‘relevant contaminant linkages’. As outlined above, the terms of the Contaminated Land regime specify that remediation need only be implemented where a site is causing, or there is a significant possibility that it will cause, significant harm, or that pollution of controlled waters is being, or is likely to be caused.

Development of contaminated land is usually addressed through the application of planning and development legislation and guidance (i.e. Planning Guidance Note PPS23 Planning and Pollution Control in England). The suitable for use approach is seen as the most appropriate basis to deal with contaminated land, taking account of

environmental, social and economic objectives. The assessment is made in the context of the proposed land use (e.g. residential, commercial, industrial and public open-space).

### Definition of Severity of Consequence

The risk assessment has been undertaken by assessing the severity of the potential consequence, taking into account both the potential severity of the hazard and the sensitivity of the target, based on the categories given below.

| Category | Definition                                                                                                                                                                    |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Severe   | Acute risks to human health, catastrophic damage to buildings/property, major pollution of controlled waters                                                                  |
| Medium   | Chronic risk to human health, pollution of sensitive controlled waters, significant effects on sensitive ecosystems or species, significant damage to buildings or structures |
| Mild     | Pollution of non-sensitive waters, minor damage to buildings or structures                                                                                                    |
| Minor    | Requirements for protective equipment during site works to mitigate health effects, damage to non-sensitive ecosystems or species                                             |

### Definition of Probability of Occurrence

The likelihood of an event (probability) takes into account the linkage between a hazard and target and the integrity of this pathway, and has been assessed based on the categories given below.

| Category        | Definition                                                                                                                            |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------|
| High Likelihood | Pollutant linkage may be present, and risk is almost certain to occur in long term, or there is evidence of harm to the receptor      |
| Likely          | Pollutant linkage may be present, and it is probable that the risk will occur over the long term                                      |
| Low Likelihood  | Pollutant linkage may be present, and there is a possibility of the risk occurring, although there is no certainty that it will do so |
| Unlikely        | Pollutant linkage may be present, but the circumstances under which harm would occur are improbable                                   |

### Risk Matrix

The potential severity of the consequence and the probability of the occurrence have been combined in accordance with the following matrix in order to give a level of risk for each potential hazard.

|                           |                 | Severity of Consequence |          |            |            |
|---------------------------|-----------------|-------------------------|----------|------------|------------|
|                           |                 | Severe                  | Medium   | Mild       | Minor      |
| Probability of Occurrence | High Likelihood | Very high               | High     | Moderate   | Low        |
|                           | Likely          | High                    | Moderate | Low        | Very Low   |
|                           | Low Likelihood  | Moderate                | Low      | Very Low   | Negligible |
|                           | Unlikely        | Low                     | Very Low | Negligible | Negligible |

## **APPENDIX 7**

### **NOTES ON LIMITATIONS**



## NOTES ON LIMITATIONS

- 1 FWS Consultants Ltd (“FWS”) has prepared this report solely for the use of the client and/or his agent (the “Client”) on the basis of exchange(s) of written proposals and instructions, and FWS accepts no responsibility or liability:-
  - a) for use of this report by any party other than the person for whom it was commissioned, or;
  - b) for the consequences of the report being used for any purpose other than that for which FWS was instructed to prepare it.

Should any third party wish to use or rely upon the contents of the report, written approval from FWS must be sought.

- 2 All information supplied by the Client, the Client’s staff and professional advisers, local authorities, other statutory bodies, investigation agencies and publicly accessible databases, shall be provided to FWS in writing, and is accepted as being correct unless otherwise specified in writing by the discloser of the information.
- 3 The conclusions and recommendations in this report represent the professional opinions of FWS derived from currently accepted industry practices, and through the exercising of reasonable skill and care to be expected of a professional geosciences and environmental consultancy of similar size and experience. The assessments and judgments given in this report are directed by and limited to both the finite data on which they are based and the proposed works to which they are addressed.
- 4 Environmental and geotechnical desk studies comprise a study of available information obtained from various identified sources, authorities and parties. The information reviewed cannot be exhaustive and has been accepted in good faith as providing representative and true data pertaining to site conditions. For clarity, no independent verification of this data is carried out by FWS and it is accepted at face value. Any identified risks in desk study reports are perceived risks based on the information available at the time. Actual risks can only be assessed after carrying out a thorough physical investigation of the site that serves to validate such identified risks.
- 5 Data acquisition during site investigations is subject to the limitations of the methods of investigation used, site conditions and access constraints. Exploratory holes undertaken during fieldwork, particularly boreholes and/or trial pits, investigate a small volume of ground in relation to the size of the site and thus can only provide an indication of site conditions. The opinions provided and recommendations given in this report are based on the desk study information and ground conditions apparent at the site of each of the exploratory holes. There may be ground conditions elsewhere onsite that have not been disclosed by the investigation and which therefore have not been taken into account in this report. FWS will take all due care and make commentary on the adequacy of data collection and therefore the ability to highlight the presence or otherwise of exceptional conditions.
- 6 Owing to the natural variation of the systems that are being investigated, and the anthropological impact similarly changing through time, the findings and opinions in this report are relevant to the dates of the site works and should not be relied upon to represent conditions after a reasonable passing of time. Site conditions will change over time due to natural variations and human activities. The comments made on groundwater, surface water and soil gas conditions are based on observations made at the time that the site work was carried out. It should be noted that these conditions will vary owing to seasonal, tidal and meteorological effects. Variation in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, or subsequent developments or activities on the site or adjacent area.
- 7 The scope of the investigation, as agreed between FWS and the Client, was undertaken based on the specific development proposals of the Client and may be inappropriate to another form of development or scheme.
- 8 The opinions expressed in this report regarding contamination, geotechnical and/or waste assessments are based on simple statistical analysis and comparison with available guidance values. No liability can be accepted for the retrospective effects of any changes or amendments to these values.