



SITE INVESTIGATION LAND AT LEES HALL ROAD DEWSBURY

Prepared for: Tarmac Trading Limited

ASL Report No. 203-22-989-09

October 2022

ASL
Holly Farm Business Park
Honiley
Warwickshire
CV8 1NP

T: +44(0)1926485508
F: +44(0)1926485507
E: info@aslenvironmental.co.uk
W: www.aslenvironmental.co.uk



**SITE INVESTIGATION
LAND AT LEES HALL ROAD
DEWSBURY**

CONTENTS

| | | |
|-----------|--|-----------|
| 1 | INTRODUCTION | 4 |
| 2 | THE SITE | 5 |
| 3 | GEOLOGY | 6 |
| 4 | HYDROGEOLOGY | 7 |
| 5 | HYDROLOGY | 7 |
| 6 | SITE HISTORY | 9 |
| 7 | STATUTORY DATABASE SEARCH | 12 |
| 7.1 | General | 12 |
| 7.2 | Database Search Results..... | 12 |
| 7.3 | Environment Agency Search Results | 12 |
| 7.4 | Geological Hazards..... | 13 |
| 7.5 | Contemporary Trade References..... | 14 |
| 8 | ASSESSMENT OF POTENTIAL CONTAMINATION RISKS | 16 |
| 8.1 | General | 16 |
| 8.2 | On-Site Sources of Contamination | 16 |
| 8.3 | Off-Site Sources of Contamination | 17 |
| 8.4 | Receptors | 17 |
| 8.5 | Pathways | 17 |
| 8.6 | Conceptual Site Model | 18 |
| 8.7 | Summary..... | 18 |
| 9 | GROUND INVESTIGATION AND TESTING | 20 |
| 9.1 | Ground Investigation | 20 |
| 9.2 | Photo Ionisation Detector | 20 |
| 9.3 | Gas and Groundwater Monitoring | 20 |
| 9.4 | Permeability Testing | 21 |
| 9.5 | Chemical Laboratory Testing..... | 21 |
| 9.6 | Geotechnical Laboratory Testing..... | 21 |
| 10 | GROUND, GROUNDWATER AND GAS CONDITIONS | 22 |
| 10.1 | Materials Encountered | 22 |
| 10.2 | Permeability Testing | 23 |
| 10.3 | Photo Ionisation Detector | 23 |
| 10.4 | Visual and Olfactory Evidence of Contamination..... | 24 |
| 10.5 | Groundwater | 24 |
| 10.6 | Gas..... | 24 |
| 11 | GEOTECHNICAL ASSESSMENT | 25 |
| 11.1 | General | 25 |
| 11.2 | Buried Structures..... | 25 |
| 11.3 | Foundation Assessment..... | 25 |
| 11.4 | Floor Slabs | 26 |
| 11.5 | Earthworks..... | 26 |
| 11.6 | Retaining Structures | 27 |



| | | |
|-----------|--|-----------|
| 11.7 | Slope Stability | 27 |
| 11.8 | Road Pavements | 27 |
| 11.9 | Excavations..... | 27 |
| 11.10 | Dewatering | 28 |
| 11.11 | Buried Concrete Classification | 28 |
| 11.12 | Gas Protection Measures | 28 |
| 11.13 | Drainage Design and Surface Water Management | 29 |
| 12 | CONTAMINATION ASSESSMENT – HUMAN HEALTH..... | 30 |
| 12.1 | Introduction | 30 |
| 12.2 | Chemical Test Results - Soils | 30 |
| 12.4 | Discussion..... | 32 |
| 13 | CONTAMINATION ASSESSMENT – CONTROLLED WATERS..... | 34 |
| 13.1 | Introduction | 34 |
| 13.2 | Summary of Results - Soils..... | 34 |
| 13.3 | Discussion..... | 34 |
| 14 | WASTE DISPOSAL..... | 36 |
| 15 | DISCOVERY STRATEGY | 37 |
| 16 | CONCLUSIONS AND RECOMMENDATIONS..... | 38 |
| | REFERENCES | 40 |
| | GENERAL NOTES..... | 41 |

TABLES

| | |
|----------|--|
| 1 | Summary of Site History |
| 2 | Summary of Pollutant Linkages |
| 3 | Summary of Strata Encountered |
| 4 | Summary of Data with Respect to Human Health (Tier 1) |
| 5 | Summary of Soils Data with Respect to Controlled Waters (Tier 1) |

FIGURES

| | |
|----------|----------------------------|
| 1 | Site Location Plan |
| 2 | Site Layout Plan |
| 3 | Conceptual Model |
| 4 | SPT 'N' Value Versus Depth |

APPENDICES

| | |
|------------|---------------------------------------|
| I | Coal Authority Report |
| II | Environmental Database Search Results |
| III | Historical Map Extracts |
| IV | Field Records |
| V | Chemical Laboratory Test Results |
| VI | Geotechnical Laboratory Test Data |
| VII | Qualitative Risk Assessment |



**SITE INVESTIGATION
LAND AT LEES HALL ROAD
DEWSBURY**

1 INTRODUCTION

In August 2022, ASL were instructed by Tarmac Trading Limited to undertake the necessary ground investigation and consultancy services associated with the site known as Land at Lees Hall Road, Dewsbury.

A site investigation is required in order to determine the contaminative and geotechnical properties of the ground conditions at the site ahead of its proposed sale and development. There are currently no development proposals for the site and this assessment is required to support the potential sale and redevelopment of the site.

The scope of works for this project was set out in ASL's proposal reference 203-22-989.elo.4183, dated 21st July 2022 that was formally accepted by Tarmac Trading Limited in their email dated 4th August 2022 together with associated Purchase Order Number 2002453296.

This report presents a desk study for the site, the development of a conceptual site model, the factual results from an intrusive investigation and subsequent laboratory analyses and monitoring and interpretative comment in terms of the geotechnical properties of the ground conditions encountered at the site in relation to the potential development together with an assessment of the contaminative status of the site.

This report has been prepared for the sole benefit of the client, Tarmac Trading Limited and their representatives and agents. The report has been written based on the results of data searches and ground conditions encountered at the time of the investigation and the results of subsequent analyses and monitoring. Future changes in legislation and advances in current best practises or provision of more detailed design proposals will result in this report requiring review and possible further assessment after the date of issue. The general notes section within this report should be noted in relation to the limitations of this investigation and assessment.



2 THE SITE

The site is located directly to the north-east of Lees Hall Road and approximately 2.1km to the south-west of Dewsbury town centre. The site can be located approximately by National Grid Reference SE234198 as presented in Figure 1.

The site comprises an irregularly shaped piece of land with maximum dimensions of approximately 125m by 65m with the long axis aligned approximately north to south. The site is topographically higher in the north-east and generally slopes gently down to the south-west with a maximum change in elevation of approximately 7m across the site.

During the site investigation, the site comprised derelict land. An area centrally is separated from the remainder of the site by concrete walls. The area within these walls is separated into open 'bays'. This area is located topographically higher than the surrounding area to the south-east, south and west with the boundary wall forming a retaining wall in these areas. A soft landscaped slope is present at the base of the retaining wall to the west.

The area to the north of the central compound comprises open space with concrete hardstandings and Made Ground present at the surface. A continuous bund of aggregates is present at the northern boundary of this area.

The land to the south of the central compound, is surfaced with concrete hardstanding and is located at a number of levels. Locally staircases provide pedestrian access between the different site levels.

The south of the site comprises an area of soft landscaping and ancillary buildings comprising lock-up garage type structures and an electrical substation. This portion of the site is separated from the remainder of the site by a metal palisade fence.

It is understood that the site most recently comprised a cement works and that ancillary buildings including silos and tanks were formerly located centrally in the south and east.

Access to the site is gained via 2m high steel gates located at the south-eastern and south-western corners of the site. The access points open to a roadway that runs in a 'horseshoe' shape around the site between the access points.

The north-western boundary is formed by mature trees and vegetation lined by an approximately 1m tall wooden fence and heras fencing. The north-eastern boundary is formed by an approximately 2m tall steel fence. The south-eastern boundary is formed by an out-building of a neighboring vehicle repair garage, mature trees and vegetation. The south-western boundary is formed by soft landscaping, mature trees and vegetation.

The site is bound to the north-east by undeveloped open space, to the east by a large works and vehicle repair garage, to the south by Lees Hall Road and to the west by commercial buildings and a residential dwelling.

The general site layout is presented as Figure 2.

There are currently no development proposals for the site and this assessment is required to support the potential sale and redevelopment of the site.



3 GEOLOGY

The British Geological Survey (BGS) Sheet No. 77 Huddersfield (Solid and Drift) and the BGS GeoIndex indicates the central and northern portions of the site to be directly underlain by Made Ground. The Made Ground is generally described as 'artificially raised ground including embankments, spoil tips and landfills' by the BGS. The thickness of the Made Ground is not defined by the BGS in the vicinity of the site.

The south-western portion of the site is indicated to be directly underlain by drift geology of the River Terrace Deposits. The River Terrace Deposits are generally described as 'undifferentiated: sand and gravel' by the BGS. The thickness of the River Terrace Deposits is not defined by the BGS in the vicinity of the site.

The Made Ground centrally and in the north is indicated to be underlain by drift geology comprising of Alluvium. The Alluvium is generally described as 'silt, clay and sand with gravel and peat lenses' by the BGS. The thickness of the Alluvium is not defined by the BGS in the vicinity of the site.

The drift deposits are indicated to be underlain by the solid geology of the Pennine Lower Coal Measures Formation. The Pennine Lower Coal Measures Formation is generally described as 'Interbedded grey mudstone, siltstone and pale grey sandstone, commonly with mudstones containing marine fossils in the lower part, and more numerous and thicker coal seams in the upper part' by the BGS. The thickness of the Pennine Lower Coal Measures Formation is not defined by the BGS at the site. This stratum is indicated to be of significant thickness in the vicinity of the site.

A coal seam within the Pennine Lower Coal Measures Formation is indicated to subcrop beneath the River Terrace Deposits in the south of the site.

In addition to the published geology, it is anticipated that Made Ground and locally Topsoil will be present at the surface or beneath hardstandings across the site given its current use.

A borehole record held by the BGS located in the south of the site and drilled in 1989 indicates the ground conditions in this area to comprise Made Ground to a depth of approximately 7.5m bgl. The Made Ground is indicated to be underlain by natural soft to firm sandy gravelly clay to the completed depth of the investigation, approximately 9m bgl. A stratum name is not provided for the natural strata. However, it is considered that these materials may comprise Alluvium or River Terrace Deposits.

The site is in an area that may be affected by coal mining and a Consultants Coal Authority report has been obtained for the site and is presented in Appendix I. The site is indicated to an area that may be affected by two past underground workings from the Black Bed coal located at approximately 205m beneath the site and at 215m bgl to the north-west. It is stated that the probability of unrecorded shallow mine workings at the site is 'none'. No other records with regards to past, present or future underground or opencast workings of coal, mine entries, coal mining subsidence, mine gas or mining related investigation or remediation that may impact on the site were identified.

The site is located in an area at no hazard from non-coal mining hazards.

There are four BGS recorded mineral site located within 0.5km of the site. The first listing relates to the opencast extraction of sand and gravel located approximately 345m to the north-west. The remaining listings relate to the opencast extraction of sand and gravel or



sandstone located at distances greater than approximately 405m from the site. Operations at all of these sites are detailed to have ceased.

The environmental database search indicates the site to be in a lower probability radon area and that no radon protective measures are necessary in the construction of new dwellings or extensions.

Further details are presented in Appendix II.

4 HYDROGEOLOGY

The Alluvium, River Terrace Deposits and Pennine Lower Coal Measures Formation are classified by the Environment Agency (EA) as Secondary Aquifers - A defined as 'permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers'.

There are thirteen abstractions from groundwater located within 1.0km of the site. The first three listings relate to the abstraction of groundwater for general washing and process water at a laundry located approximately 690m to the north-west. The remaining listings relate to the abstraction of groundwater for general industrial use or general use within the textile and leather industry located at distances greater than approximately 765m from the site.

The site is not located in a Source Protection Zone (SPZ).

There are four discharge consents to groundwater located within 0.5km of the site. All four listings relate to the discharge of sewage into the land/soakaways located approximately 440m to the south-west or 450m to the west.

The site is not located in a groundwater nitrate vulnerable zone.

The majority of the site is located in an area indicated to be at potential risk from groundwater flooding at the surface. The north of the site is indicated to be at risk from groundwater flooding to properties situated below ground level.

Further details are presented in Appendix II.

5 HYDROLOGY

The nearest surface water feature is an unnamed drain located approximately 180m to the north-west. This surface water feature is not classified chemically or biologically by the EA in the vicinity of the site.

There are fourteen abstractions from surface water within 1.0km of the site. The first four listings relate to the abstraction of surface water for dust suppression and mineral washing located approximately 550m to the north-east. The remaining listings relate to the abstraction of surface water for cooling water, spray irrigation, general industrial use and industrial use within the textile and leather industry located at distances greater than approximately 615m from the site.



There are two discharge consents to surface water within 0.5km of the site. Both listings relate to sewage discharges located approximately 270m to the east and 455m to the south-east respectively.

The site is not indicated to be located within an area at risk of flooding from rivers or seas without defences. An area indicated to be at risk from flooding from rivers and seas is located approximately 60m to the north-west.

The central south-east portion of the site is locally indicated to be at risk from surface water flooding.

The site is not located in a surface water nitrate vulnerable zone.

Further details are presented in Appendix II.



6 SITE HISTORY

The history of the site has been derived from historical OS maps dating back to 1852. The map extracts are presented in Appendix III. Table 1 below presents a summary of the key developments in and around the site shown on the historical map extracts.

Table 1 Summary of Site History

| Date of Map Extract | On site and surrounding Land-use |
|-------------------------------|--|
| 1852-55 (1:1056 & 1:10560) | <p>The site comprises portions of five larger agricultural fields. Tracks transect the northern and eastern portions of the site from east to west and north-east to south-west respectively.</p> <p>A roadway is located directly to the south-west.</p> <p>Cromwell Colliery railway is located approximately 150m to the east leading to a colliery located approximately 700m to the south.</p> <p>A glass works is located approximately 150m to the east.</p> <p>A forge is located approximately 200m to the north-east</p> <p>The Calder and Hebble Navigation canal is located approximately 195m to the north-east. The River Calder is located approximately 535m to the north-east. Various works and wharfs are located surrounding these surface water features at distances in excess of approximately 500m to the north-west and north-east.</p> <p>A railway line is located approximately 200m to the north with a further line located approximately 455m to the north-west. An associated railway station is located approximately 735m to the north-east.</p> <p>A chemical works is located approximately 350m to the east.</p> <p>A malt kiln and glass works are located approximately 700m to the east.</p> |
| 1893-94 (1:2500 & 1:10560) | <p>A small undefined structure is located in the south of the site.</p> <p>Cromwell Colliery railway to the east has undergone development and is now located approximately 10m to the east and is on an embankment.</p> <p>New sidings from the railway to the east and run to Thornhill Iron Works that is located to the north of the glass works. A pit is located approximately 150m to the north-east.</p> <p>Ravensthorpe Road is located approximately 20m to the south.</p> <p>The railway land to the north has undergone development. Numerous works are located to the north of the railway land and surrounding the canal from approximately 700m to the north-west, north and north-east.</p> <p>A brick and tile works is located approximately 750m to the north.</p> <p>The colliery to the south is no longer mapped. A pit is mapped 950m to the south-east.</p> <p>Raven's Lodge Colliery is located approximately 850m to the north.</p> |
| 1907-08 (1:2500 & 1:10560) | <p>The majority of the site comprises a portion of a larger agricultural field. A small area in the north-west is indicated to be part of a larger area of marsh.</p> <p>Minor residential development has occurred approximately 30m to the south and 110m to the south-east.</p> <p>The railway land directly to the east has undergone development. A large area of spoil is located to the west of the railway lines. The pit to the north-east has been filled.</p> <p>The glass works to the east has undergone development including a new gravel pit.</p> <p>Industrial development has occurred in the wider surrounding area with the closest area located approximately 700m to the east.</p> <p>The colliery to the south-east has undergone development.</p> |
| 1922 (1:2500) | <p>The site appears to have been subject to filling with a slope present in the south of the site.</p> <p>The filling at the site extends to the north over the extent of the marsh land.</p> <p>Minor residential development has occurred from approximately 20m to the south-west and 300m to the south-east.</p> <p>The pit at the glass works to the east has been extended.</p> <p>The railway land directly to the east has undergone development.</p> |
| 1930-31 (1:10560) | <p>The site remains generally unchanged.</p> <p>The glass works 150m to the east has been removed.</p> <p>The glass works approximately 700m to the east has been redeveloped with a smaller leather works.</p> <p>Major residential development has occurred from approximately 800m to the north-west.</p> <p>The colliery to the south-east has been expanded and a large opencast pit is present.</p> <p>Industrial development has occurred from 600m to the north-west.</p> |

| Date of Map Extract | On site and surrounding Land-use |
|--------------------------------|---|
| 1937-38 (1:2500 & 1:10560) | <p>The site remains generally unchanged.</p> <p>Residential development has occurred approximately 65m to the south-west, 180m and 625m to the south-east and further to the north.</p> <p>A land surrounding the sidings directly to the east is indicated to be a coal depot.</p> <p>Land 100m to the north and 170m to the north-east has been reprofiled. A new railway siding is located in the reprofiled area to the north.</p> <p>Industrial development has occurred approximately 600m to the north-west.</p> |
| 1948 (1:10560) | <p>A new slope or spoil heap is located in the north of the site.</p> <p>New spoil heaps are located approximately 200m to the north-east.</p> <p>The iron and steel works to the east has undergone development.</p> <p>Industrial development has occurred approximately 550m to the east.</p> <p>Residential development has occurred approximately 700m to the south-east.</p> <p>The pit at the colliery to the south-east has been extended.</p> |
| 1955 (1:2500 & 1:10000) | <p>The site has been subject to further filling and/or reprofiling.</p> <p>A small undefined tank is located approximately 30m to the east.</p> <p>The gravel pit to the east is indicated to be a slurry pit.</p> <p>A new spoil heap is located approximately 170m to the north-west.</p> <p>The steel works to the east has undergone development.</p> <p>A works 700m to the east has been removed.</p> <p>A works 500m to the north-west has undergone development.</p> <p>A large spoil heap is located approximately 800m to the south-west.</p> |
| 1966-67 (1:2500 & 1:10000) | <p>The site may have been subject to minor filling and/or reprofiling.</p> <p>Filled areas to the north are indicated to be refuse tips.</p> <p>The coal yard to the east is indicated to be a depot.</p> <p>Industrial development has occurred in excess of 500m to the north-west.</p> <p>A portion of a pond 450m to the north has been filled.</p> <p>Residential development has occurred in the wider surrounding area to the east and south-east.</p> <p>A works 550m to the east has undergone development.</p> <p>The colliery to the south-east has undergone expansion. Portions of the colliery are indicated to be disused.</p> |
| 1971 (1:1250) | <p>The site is defined as a works. The site has been developed with a structure centrally in the general layout seen today. Ancillary buildings including an undefined tank and an electrical substation are located in the south of the site.</p> <p>The land directly to the north has been reprofiled and comprises undeveloped open space.</p> <p>A spoil heap to the north-west has been removed and assumed industrial development has occurred in this area.</p> <p>A depot is located approximately 60m to the west.</p> <p>Residential development has occurred approximately 250m to the south-east.</p> |
| 1973-75 (1:1250) | <p>The site remains generally unchanged.</p> <p>The railway land directly to the east has been removed with this area comprising further steelworks buildings.</p> |
| 1983 (1:10000) | <p>The site remains generally unchanged.</p> <p>Railway land to the east leading to the colliery to the south-east has been removed. The colliery has been removed with this area indicated to be 'workings'. Spoil heaps are present to the east and west of this area.</p> <p>Industrial development has occurred approximately 350m to the west and further to the east.</p> <p>Industrial land 550m to the north-east has been cleared.</p> |
| 1989-93 (1:1250 & 1:10000)) | <p>The site has undergone development with new ancillary structures in the south and east. The structures in the east include 'sumps'.</p> <p>The land to the north has been reprofiled and comprises a cricket ground and small pavilion.</p> <p>The depot directly to the east has undergone development including new tanks.</p> <p>Railway land to the north has been removed.</p> <p>A school is located approximately 100m to the south-west.</p> <p>The steel works 110m to the east has been cleared. The steel works directly to the east has undergone minor development.</p> <p>The workings to the south-east have been restored to comprise agricultural land.</p> |
| 1999-2000 (1:10000) | <p>The site remains generally unchanged.</p> <p>Commercial or industrial development has occurred approximately 250m to the north-east.</p> |
| 2006 (1:10000) | <p>The site and immediate surrounding area remain generally unchanged.</p> <p>Commercial and residential development has occurred approximately 700m to the north-east.</p> |
| 2021 (1:10000) | <p>The site remains generally unchanged.</p> <p>Industrial development has occurred approximately 180m to the north-east and further to the west, north-west and north.</p> |



The site history dating back to 1852 is indicated to have comprised undeveloped agricultural land including access tracks with a small undefined structure in the south by at least 1893. By 1922 filling works had been completed at the site. During the 1930's, 40's, 50's and 60's the site was subject to numerous phases of filling and or reprofiling works. It is assumed that this was associated with the neighbouring coal yard to the east. The site was redeveloped to comprise a works with the main structure at the site centrally present in the general layout seen today by at least 1971. Ancillary structures including tanks, sumps and a substation have been located in the south and east since this time that have undergone a number of phases of development.

The immediate surrounding area has comprised railway land, steel works, a coal depot and glass works to the east, railway land to the north and residential dwellings to the west and south. More recently a small depot including tanks has been located to the west. Significant filling and/or reprofiling works occurred directly to the north and further to the north-east, typically as part of the works completed at the site. Areas of filling are locally indicated to be refuse tips.

Numerous works and wharfs have been located in the wider surrounding area to the north-west, north and east. Collieries were also formerly located further to the north and south. The largest colliery to the south-east became disused in the 1980's and was restored to form agricultural land by the early 1990's.



7 STATUTORY DATABASE SEARCH

7.1 General

This section details any relevant information from registers maintained by the EA. Information provided by the BGS, The Coal Authority, Health Protection Agency and the National Environment Research Council (NERC) is also considered. The information held by the various bodies is summarised below and presented in detail in Appendix II.

It should be noted that the information provided in the desk study is obtained from independent third party sources. It is provided in good faith, but no guarantee can be provided as to its accuracy. Independent enquiries should be made relating to information provided in the desk study information that may impact on the proposed development. The desk study information is not necessarily exhaustive and further information relevant to the site may be available from other sources.

7.2 Database Search Results

There are no registrations listed within 0.5km of the site under the following:

- Contaminated Land Register Entries and Notices;
- Prosecutions Relating to Controlled Waters;
- Enforcement and Prohibition Notices;
- Local Authority Integrated Pollution Prevention and Control;
- Local Authority Pollution Prevention and Control Enforcements;
- Pollution Incidents to Controlled Waters;
- Registered Radioactive Substances;
- Substantiated Pollution Incident Register;
- Water Industry Act Referrals;
- Integrated Pollution Control Registered Waste Sites;
- Any waste transfer, treatment or disposal sites;
- Any hazardous substance sites;

Further details are presented in Appendix II.

7.3 Environment Agency Search Results

There is one Integrated Pollution Control located within 0.5km of the site. The listing relates to combustion processes within the fuel and power industry located approximately 375m to the west.

There are two Integrated Pollution Prevention and Controls located within 0.5km of the site. Both listings relate to waste landfilling excluding inert waste located approximately 330m to the north-west.

There are four Local Authority Pollution Prevention and Controls located within 0.5km of the site. The first two listings relate to blending, packing, loading and use of bulk cement at the site. The remaining listings relate to blending, packing, loading and use of bulk cement and waste oil burners located approximately 400m to the west.

There is one prosecution relating to authorised processes located within 0.5km of the site. The listing relates to operating an illegal waste site located approximately 175m to the north-east. The verdict in this instance was guilty and it is stated that a prison sentence was served.



There are three historical landfill sites located within 0.5km of the site. The first listing relates to a facility that accepted inert, industrial and commercial waste between December 1947 and June 1989 located approximately 210m to the east. The second listing relates to a facility that accepted inert and commercial waste between October 1985 and December 1986 located approximately 395m to the west. The third listing relates to a facility that accepted inert, industrial and special waste from December 1900 and an undefined closure date located approximately 415m to the west.

There are two licensed waste management facilities (landfill boundaries) located within 0.5km of the site. The first listing relates to waste landfilling excluding inert waste located approximately 200m to the north. The license status of this listing is detailed as effective. The second listing relates to industrial waste landfills located approximately 415m to the west. The license status of this listing is detailed as inactive.

There are two licensed waste management facilities (locations) located within 0.5km of the site. The first listing relates to other landfill sites taking special wastes located approximately 350m to the north. The license associated with this facility is detailed transferred to PPC. The second listing relates to industrial waste landfills located approximately 400m to the west. The license associated with this listing is detailed as surrendered.

There are three areas of potentially infilled land (non-water) located within 0.5km of the site. The listings relate to areas of unknown filled ground (pit, quarry etc) located approximately 130m to the south-east, 205m to the east and 435m to the south-west.

There are four areas of potentially infilled land (water) located within 0.5km of the site. The listings relate to areas of unknown filled ground (pond, marsh, river, stream, dock etc) located approximately 205m to the south-east, 400m to the south-east, 465m to the north and 485m to the south.

There are four registered landfill sites located within 0.5km of the site. The first listing relates to a facility that accepted construction and demolition waste, inert waste and non-hazardous or non-toxic waste located approximately 345m to the east. The license associated with this facility is detailed as lapsed, cancelled, defunct, not applicable, surrendered or cancelled. The second listing relates to a facility that accepts ash, bagged asbestos, foundry sand and uncontaminated soils located approximately 350m to the north. It is stated that this facility is 'operational as far as is known'. The third listing relates to a facility that accepts construction and demolition type wastes and uncontaminated soils located approximately 435m to the west. It is stated that this facility is 'operational as far as is known'. The final listing relates to a facility that accepted construction and demolition wastes and excavated natural soils located approximately 470m to the west.

Further details are presented in Appendix II.

7.4 Geological Hazards

There is very low risk or no hazards from collapsible ground stability, ground dissolution stability, landslide ground stability and shrinking and swelling of the ground stability hazards at the site.

The site is indicated to be at very low risk and moderate hazard from compressible ground stability hazards. It is assumed that the moderate risk is associated with the BGS mapped Made Ground and Alluvium at the site.



The site is indicated to be at very low risk and low risk from running sand stability hazards.

The site is in an area that may be affected by coal mining and a Consultants Coal Authority report has been obtained for the site and is presented in Appendix I. The site is indicated to an area that may be affected by two past underground workings from the Black Bed coal located at approximately 205m beneath the site and at 215m bgl to the north-west. It is stated that the probability of unrecorded shallow mine workings at the site is 'none'. No other records with regards to past, present or future underground or opencast workings of coal, mine entries, coal mining subsidence, mine gas or mining related investigation or remediation that may impact on the site were identified. Due to the like depth to any mine workings beneath the site and the thickness of solid geology above, no further assessment and/or investigation with regards to risks associated with coal mining at the site is considered necessary.

The site is located in an area at no hazard from non-coal mining hazards.

There are four BGS recorded mineral site located within 0.5km of the site. The first listing relates to the opencast extraction of sand and gravel located approximately 345m to the north-west. The remaining listings relate to the opencast extraction of sand and gravel or sandstone located at distances greater than approximately 405m from the site. Operations at all of these sites are detailed to have ceased.

The environmental database search indicates the site to be in a lower probability radon area and that no radon protective measures are necessary in the construction of new dwellings or extensions.

The majority of the site is located in an area indicated to be at potential risk from groundwater flooding at the surface. The north of the site is indicated to be at risk from groundwater flooding to properties situated below ground level.

The site is not indicated to be located within an area at risk of flooding from rivers or seas without defences. An area indicated to be at risk from flooding from rivers and seas is located approximately 60m to the north-west.

The central south-east portion of the site is locally indicated to be at risk from surface water flooding.

Further details are presented in Appendix II.

7.5 Contemporary Trade References

There are thirteen contemporary trade references located within 0.5km of the site. The first and second listings relate to tyre dealers located approximately 30m to the south. The third and fourth listings relate to concrete and mortar ready mixed located approximately 50m to the south and 55m to the north-east. The sixth listing relates to pet foods and animal feeds located approximately 70m to the south-west. The seventh listing relates to concrete products located approximately 70m to the west. The eighth listing relates to a used car dealer located approximately 95m to the south-west. The remaining listings relate to various commercial and industrial activities located at distances greater than approximately 185m from the site.

There are two commercial services points of interest located within 0.5km of the site. The first listing relates to distribution and haulage located approximately 55m to the north-



east. The second listing relates to vehicle repair, testing and servicing located approximately 240m to the north-west.

There are seventeen manufacturing and production points of interest located within 0.5km of the site. The first two listings relate to unspecified works or factories located on site. The third and fourth listings relate to unspecified tanks located approximately 30m and 35m to the north-west. The remaining listings relate to unspecified works or factories located at distances greater than approximately 50m from the site.

There are five public infrastructure points of interest located within 0.5km of the site. The first two listings relate to waste storage, processing and disposal located approximately 55m to the north-east. The third listing relates to railway stations, junctions and halts located approximately 380m to the north-east. The remaining listings relate to waste storage, processing and disposal located approximately 415m and 475m to the west.

There are two recreational and environmental points of interest located within 0.5km of the site. The listings relate to playgrounds located approximately 310m to the south-east and 480m to the east.

Further details are presented in Appendix II.



8 ASSESSMENT OF POTENTIAL CONTAMINATION RISKS

8.1 General

The following sections identify potential sources of contamination at the site and the surrounding area. The receptors to any contamination are also identified together with the pathways by which the contamination may contact the receptors. This section of the report uses the guidance presented in CLR 11 'Model Procedures for the Management of Land Contamination' produced by DEFRA and the EA to develop a conceptual site model as a 'source-pathway-receptor' model in accordance with current best practise.

8.2 On-Site Sources of Contamination

The potential sources of on-site contamination are derived from an assessment of the current and historical site activities. The site history dating back to 1852 is indicated to have comprised undeveloped agricultural land including access tracks with a small undefined structure in the south by at least 1893. By 1922 filling works had been completed at the site. Various phases of filling and reprofiling occurred at the site into the 1960's. It is assumed that this filling was associated with the neighbouring coal yard to the east. The site was redeveloped to comprise a works with the main structure at the site centrally present in the general layout seen today by at least 1971. Ancillary structures including tanks, sumps and a substation have been located in the south and east since this time that have undergone a number of phases of development.

The former uses of the site as undeveloped land is not classified by the Department for Environment, Food and Rural Affairs and the Environment Agency's document CLR8 as being a potentially contaminative land-use.

Made Ground potentially of significant thickness is anticipated to be present at the site. The Made Ground may be associated with the coal yard formerly located directly to the east and may therefore be generally described as 'colliery spoil'. Subject to its source and composition, Made Ground is considered to be a potential source of a general suite of determinants including asbestos. Made Ground is also considered to be a potential source of hazardous ground gas.

The former use of the site for an undefined works and cement manufacture is classified as a potential source of contamination in the form of metals, sulphate, sulphur, asbestos, oil and fuel based hydrocarbons, polycyclic aromatic hydrocarbons, polychlorinated biphenyl (PCB), chlorinated aliphatic and aromatic hydrocarbons and phenol. Higher concentrations of these contaminants of concern may be associated with structures including above ground tanks and sump structures.

The electrical substation in the south is considered to be a potential source of contamination in the form of oil and fuel based hydrocarbons and PCB's.

There is the potential for incidental leaks and spills from vehicles used or stored at the site to cause contamination in the form of oil and fuel-based hydrocarbons. No visual or olfactory evidence of contamination was noted during the site walkover.

Organic material associated with Alluvium is a potential source of hazardous ground gas.

The environmental database search indicates the site to not be located in an area associated with significantly elevated concentrations of arsenic, cadmium, chromium, lead or nickel.



8.3 Off-Site Sources of Contamination

The potential sources of off-site contamination are derived from an assessment of the current and historical activities. The immediate surrounding area has comprised railway land, steel works, a coal depot and glass works to the east, railway land to the north and residential dwellings to the west and south. More recently a small depot including tanks has been located to the west and a vehicle repair garage has been located to the south-east. Significant filling and/or reprofiling works occurred directly to the north and further to the north-east, typically as part of the works completed at the site. Areas of filling are locally indicated to be refuse tips.

Numerous works and wharfs have been located in the wider surrounding area to the north-west, north and east. Collieries were also formerly located further to the north and south. The largest colliery to the south-east became disused in the 1980's and was restored to form agricultural land by the early 1990's. Further to this, the environmental database search indicates that landfill facilities are located in the wider surrounding area.

The industrial land-uses including the railway land in the immediate vicinity of the site are considered to be potential sources of contamination in the form of metals, sulphates, sulphur, asbestos, phenol, oil and fuel based hydrocarbons, polycyclic aromatic hydrocarbons, chlorinated aliphatic and aromatic hydrocarbons, aromatic hydrocarbons and PCB's.

The filled land, particularly to the north and north-east and landfill facilities in the surrounding area are considered to be potential sources of contamination and hazardous ground gas similar to the site.

Due to the distance to the potential sources of contamination in the wider surrounding area and the anticipated predominantly cohesive nature of the underlying ground conditions, the potential risk posed at the site is considered to be very low if not negligible and will not be considered further.

8.4 Receptors

The receptors to any potential contamination and therefore the element actually at risk from the potential sources of contamination have been identified as the following:

- Human Health – Construction and maintenance workers and current and future site users (R1);
- Service Lines constructed as part of any new development (R2);
- Groundwater hydraulically down gradient of the site – Secondary Aquifer - A (R3);
- Surface water features – Unnamed drain located approximately 180m to the north-west (R4);
- Neighbouring properties and residents (R5).

Development proposals are not currently available for the site. Therefore, it is considered appropriate to conservatively assume that the critical receptor for the proposed development is a child at a residential with home grown produce land-use, based on a worst case scenario.

8.5 Pathways

A pathway is the means by which a contamination source contacts the receptor creating a pollutant linkage. The three elements of an identified pollutant linkage (source-pathway-



receptor) need to be present for there to be a perceived risk from any identified contamination present in soils and/or groundwater.

The pathways considered in this assessment are as follows:

- Direct Physical Contact – Dermal contact, ingestion, inhalation (PL1);
- Migration from soils to groundwater via leaching (PL2);
- Migration within groundwater (PL3);
- Migration via service lines (PL4);
- Volatilisation of contaminants from soils and groundwater (PL5);
- Migration of hazardous ground gases (PL6);
- Vegetable Uptake (PL7).

The pathways above assume a residential with home grown produce land-use and may therefore not be relevant should the actual development proposals differ from this land-use.

8.6 Conceptual Site Model

The conceptual site model has been produced in accordance with the guidance presented in DEFRA R&D Publication CLR11 to produce this source-pathway-receptor model.

The desk study assessment of the site's environmental setting has identified potential pollutant linkages that may pose a risk to human health and controlled waters. The potential pollutant linkages are detailed in the conceptual site model, Figure 3.

The conceptual site model assumes the presence of contamination on the site in the Made Ground and/or the near surface soils and should be refined in relation to the results of the investigation as necessary. Refinement should also be made should the nature of the development result in pollutant linkages being broken. Refinements as necessary will be discussed in the qualitative risk assessment section of this report.

Table 2 presents a summary of the identified pollutant linkages.

Table 2 Summary of Pollutant Linkages

| Potential Source of Contamination | Potential Pathway | Description / Comment | Potential Receptors |
|---|-----------------------------------|---|---------------------|
| Former industrial land-uses at the site. | PL1, PL2, PL3, PL4, PL5, PL6, PL7 | Potential for contamination and hazardous ground gas. Presence not proven but expect. | R1, R2, R3, R4, R5 |
| Potential Made Ground at the site. | | No significant visual or olfactory evidence noted at the site. | |
| Incidental leaks and spills from vehicles used or parked at the site. | PL6 | Presence not yet proven. | R1, R5 |
| Organic material associated with Alluvium | | | |
| Filled ground and landfill facilities in the surrounding area. | PL1, PL2, PL3, PL4, PL5, PL6, PL7 | Potential source of contamination and hazardous ground gas. | R1, R2, R3, R4, R5 |
| Industrial land-uses in the surrounding area. | | | |

8.7 Summary

The potential pollutant linkages noted in Table 2 will be discussed in light of the findings of the intrusive investigation from which an assessment of the actual risks posed by any contamination to the identified receptors will be determined.



From the assessment of the potential pollutant linkages the critical receptors are considered to be site end users (assumed to be a female child at a residential development) and groundwater hydraulically down gradient of the site in the Secondary Aquifer – A. Maintenance and construction workers, service lines and neighbouring properties may also require consideration.



9 GROUND INVESTIGATION AND TESTING

9.1 Ground Investigation

The scope of works was defined for the project by ASL and comprised fourteen windowless sample boreholes. The intrusive investigation was designed to target potential sources of contamination and to provide general site coverage in accessible areas to obtain information relating to the contaminative status of the site and the geotechnical properties of the underlying ground conditions. Due to the presence of existing structures, vegetation and buried services, the locations of exploratory locations were limited. The positions of the exploratory holes have been surveyed and plotted approximately on Figure 2.

The ground investigation was carried out in general accordance with BS5930+A1 (2020) 'Code of Practice for Site Investigations' and BS10175+A2 (2017) 'Code of Practice for the Investigation of Potentially Contaminated Sites' and in accordance with current best practice.

The scope of works for the ground investigation was as follows:

- 14 No. windowless sample boreholes (WS) to a maximum depth of approximately 7.45m bgl;
- Insitu standard penetration tests (SPT) at regular intervals within all WS;
- Installation of combined gas and groundwater monitoring standpipes in selected WS;
- Chemical and geotechnical laboratory testing of soils;
- Gas and groundwater monitoring programme.

The ground investigation was undertaken between 23rd and 25th August 2022. The intrusive investigation was supervised by a suitably experienced geo-environmental engineer from ASL. The exploratory holes were logged by the supervising engineer and the logs are presented in Appendix IV.

9.2 Photo Ionisation Detector

On site analysis of samples collected from all exploratory locations was completed using a photo-ionisation detector (PID) with 10.6eV lamp by headspace analysis. The PID results have been used to determine the presence of total volatile organic compounds (VOC) present within a given sample and to identify those samples which required laboratory analysis.

The results are presented on the relevant exploratory hole logs in Appendix IV.

9.3 Gas and Groundwater Monitoring

A single gas and groundwater monitoring event was completed on 27th September 2022. The monitoring event comprised level measurements of methane, oxygen, carbon dioxide, carbon monoxide, hydrogen sulphide, relative and atmospheric pressure, gas flow rate and groundwater level.

The results of the gas and groundwater level monitoring are presented in Appendix IV.

It is noted that it was proposed that groundwater samples would be collected during this monitoring event for chemical laboratory analysis. However, groundwater was not



recorded within the monitoring installations and therefore groundwater samples could not be collected.

9.4 Permeability Testing

Falling head permeability testing was completed at all of the monitoring installations on 27th September 2022. The falling head permeability tests were completed by surcharging the installations with clean water and monitoring the rate at which the water fell.

The results of the permeability testing are presented in Appendix IV.

9.5 Chemical Laboratory Testing

Selected soil samples were scheduled for chemical testing for a range of contaminants in order to determine the general contaminative status of conditions on the site. The samples were scheduled for chemical laboratory testing for the following determinants:

Arsenic, Boron (water soluble), Beryllium, Cadmium, Chromium (total and VI), Copper, Cyanide (free and total) Lead, Mercury, Nickel, Selenium, Vanadium, Zinc, Poly-cyclic Aromatic Hydrocarbons (PAH), Total Petroleum Hydrocarbons (TPH), pH, Phenols, Sulphate (soluble), Total Sulphur, Total Sulphate, fraction of organic carbon, Asbestos Presence, ID and quantification where identified (Made Ground only).

Further to this, selected samples were scheduled for benzene, toluene, ethylbenzene, xylenes, methyl tert-butyl ether, speciated TPH (CWG) and PCBs based on the findings of the intrusive investigation and desk study.

Selected soil samples were scheduled for the following determinants in leachate:

Arsenic, Boron, Beryllium, Cadmium, Calcium, Chromium (total and hexavalent), Copper, Cyanide (free and total), Dissolved Organic Carbon, Lead, Mercury, Nickel, Selenium, Vanadium, Zinc and pH.

The chemical testing is being undertaken by a UKAS accredited laboratory in accordance with the MCERTS accreditation where available.

The results of the chemical laboratory testing are presented in Appendix V.

9.6 Geotechnical Laboratory Testing

Geotechnical laboratory testing was completed on selected soil samples. The samples have been scheduled for moisture content analysis and Atterberg Limit testing to assess volume change potential, sieve analysis to determine the particle size distribution and pH and sulphate testing to assess the concrete classification for the proposed development.

The results of the geotechnical laboratory testing are presented in Appendix V and VI.



10 GROUND, GROUNDWATER AND GAS CONDITIONS

10.1 Materials Encountered

The published geology provided by the BGS indicates the majority of the site to be directly underlain Made Ground. The south of the site and the Made Ground in the south-west is indicated to be directly underlain by River Terrace Deposits. The Made Ground centrally and in the north is indicated to be underlain by Alluvium. The drift deposits are indicated to be underlain by solid geology comprising the Pennine Lower Coal Measure Formation.

The intrusive investigation generally confirmed the published geology of the Made Ground and Alluvium. However, Made Ground was encountered across the site. Materials interpreted as River Terrace Deposits and the Pennine Lower Coal Measures Formation were not encountered to the maximum completed depth of the investigation, 7.45m bgl.

Table 3 presents a summary of the ground conditions encountered during the intrusive investigation. Full details are presented in Appendix IV.

Table 3 Summary of Strata Encountered

| Description | Top of Unit (m bgl) | | Thickness of Unit (m) | | SPT 'N' Value |
|---|---------------------|------|-----------------------|-------|---------------|
| | Min | Max | Min | Max | |
| <p>Made Ground Soft to firm black, grey brown, brown and yellow brown slightly sandy to sandy slightly gravelly to gravelly CLAY locally with frequent rootlets and occasional roots and rare to occasional angular to subangular cobbles of brick and clinker. Gravel is angular to rounded fine to coarse quartzite, siltstone, concrete, mortar, brick, coal, mudstone, clinker, charcoal, glass and black organic matter. Locally sand is ash;</p> <p>Very loose to very dense black, yellow, grey brown, orange red, light grey, dark grey, light brown and brown slightly sandy to sandy locally slightly clayey to clayey angular to rounded to rounded fine to coarse GRAVEL of sandstone, concrete, brick, slag, coal, clinker and quartzite. Locally rare to occasional angular to subangular cobbles of mudstone and brick. Sand is locally ash;</p> <p>Black, yellow brown and dark grey slightly gravelly to gravelly slightly clayey to clayey SAND. Gravel is angular to subangular fine to coarse clinker, coal, mudstone and slag. Locally sand is ash.</p> | 0.00 | 0.80 | 1.50* | 7.45* | 2->50 |
| <p>Alluvium Firm to very stiff yellow brown, light brown, grey brown and black slightly gravelly to gravelly slightly sandy to sandy CLAY. Gravel is angular to rounded fine to coarse quartzite, mudstone, sandstone and charcoal and black organic matter.</p> | 3.30 | 5.00 | 0.45* | 1.95* | 6->50 |

Notes: * = Base not proven

In addition to the strata summarised in Table 3, concrete hardstanding was encountered at the surface at WS101, WS102, WS104, WS107, WS108, WS109, WS110, WS111, WS113 and WS115 to depths of between approximately 0.2m and 0.80m bgl. The full thickness of the concrete was not proven at WS102 at 0.3m bgl. Further to this, a buried obstruction was encountered at WS108 at 1.8m bgl.

Sixteen SPTs were completed within predominantly cohesive materials interpreted as Made Ground that recorded SPT 'N' values of between 3 and 28 indicating variable very low to high strength cohesive materials.

Forty-two SPTs were completed within typically granular materials interpreted as Made Ground that recorded SPT 'N' values of between 2 and >50 indicating typically very loose



to medium dense granular materials. It is noted that the SPT 'N' value of >50 was coincident with the presence of a buried obstruction at WS108.

Five SPTs were completed within the cohesive materials interpreted as Alluvium that recorded SPT 'N' values of between 6 and >50 indicating variable low to very high strength cohesive materials.

A plot of SPT 'N' value versus depth below ground level is presented as Figure 4.

Two samples of cohesive materials interpreted as Alluvium recovered from depths of 3.60m and 4.60m bgl were scheduled for Atterberg Limit determinations.

The results of the Atterberg Limit testing indicate the sample tested from WS115 at 4.6m bgl comprises clays of low plasticity with a liquid limit of 26%, a plastic limit of 14% and a modified plasticity index of approximately 7.2% indicating the materials tested to be non shrinkable. A natural moisture content of 11% was recorded for the sample tested.

The results of the Atterberg Limit testing indicate the sample tested from WS112 at 3.6m bgl is non plastic.

The results of particle size distribution analyses undertaken on six samples of the granular Made Ground materials recovered from WS101, WS103, WS105, WS107, WS109 and WS111 at depths of between 0.5m and 1.6m bgl, indicate the materials tested to comprise slightly sandy to sandy silty/clayey gravel and very gravelly silty/clayey sand.

The results of the geotechnical laboratory analysis are presented in full in Appendix VI.

10.2 Permeability Testing

Falling head permeability testing was completed at all monitoring installations on 27th September 2022. The falling head permeability tests were completed within variable Made Ground materials and locally cohesive materials interpreted as Alluvium.

The falling head permeability tests recorded infiltration rates between 1.38×10^{-7} m/s and 2.42×10^{-5} m/s at WS115 and WS106 respectively.

Full details are presented in Appendix IV.

10.3 Photo Ionisation Detector

On site analysis of all samples collected from the investigations completed by ASL was completed using a photo-ionisation detector (PID). The results have been used to determine the presence of total volatile organic compounds (VOC) present within the head space of a given sample.

Minor positive PID readings were recorded at all of the exploratory locations. Concentrations in excess of 10ppm were recorded at WS101 (12.4ppm) at 5m bgl, at WS103 (12.9ppm) at 1.0m bgl and at WS106 (10.8ppm) at 4.0m bgl.

Based on the observations made during the intrusive investigation and the findings of the PID analysis, targeted chemical laboratory analysis was completed for speciated TPH (CWG), benzene, toluene, ethylbenzene, xylenes and methyl tert-butyl ether.

The PID results are presented in full on the relevant exploratory logs in Appendix IV.



10.4 Visual and Olfactory Evidence of Contamination

No significant visual or olfactory evidence of contamination was noted during the fieldwork. However, the Made Ground was typically found to contain significant quantities of coal, ash, clinker, slag, charcoal and construction materials. Materials of this type are considered to be sources of contamination in the form of metals, longer chain aromatic TPH, PAH and asbestos.

Based on the observations made during the intrusive investigation and the findings of the desk study, a general suite of determinants was generally considered appropriate to characterise the contaminative ground conditions at the site. Locally targeted chemical laboratory analysis was considered necessary as discussed above.

Full details of the ground conditions encountered are presented in Appendix IV.

10.5 Groundwater

During the intrusive investigation, groundwater was recorded at WS108 only at 0.35m during its formation. The groundwater at this location is considered to be perched in nature.

During the subsequent monitoring programme, groundwater was not recorded within any of the monitoring installations.

It should be noted that the depth to groundwater is likely to fluctuate seasonally.

Full details are presented in Appendix IV.

10.6 Gas

As part of the monitoring programme below ground gas levels within the monitoring standpipes were measured during one monitoring event completed on 27th September 2022. The results are presented in full in Appendix IV.

Methane, carbon monoxide and hydrogen sulphide were not recorded in excess of the relevant analytical detection limits of the apparatus used during the monitoring programme.

Carbon dioxide was recorded in excess of the analytical detection limits of the apparatus used (0.1% v/v) at all monitoring installations during the monitoring event at concentrations of between 2.0% and 12.1% v/v at WS110 and WS111 respectively. Concentrations in excess of 5% were recorded at WS111 and WS115.

Oxygen was recorded above the analytical detection limits of the apparatus used (0.1% v/v) at all monitoring installations during the monitoring event at concentrations of between 1.7% and 17.0% v/v at WS111 and WS110 respectively.

Average downhole pressures and average flow rates were recorded as zero at all monitoring installations during the monitoring event.

The monitoring event was completed during a period of lower atmospheric pressure.



11 GEOTECHNICAL ASSESSMENT

11.1 General

There are currently no development proposals for the site and this assessment is required to support the sale and potential development of the site.

As no development proposals are currently available for the site, the following assessment provides general comment and recommendations on the geotechnical properties of the encountered ground conditions. This assessment should be reviewed once development proposals including proposed site levels are available to provide a site specific geotechnical assessment.

The intrusive investigation in general confirmed the published geology of Made Ground and Alluvium. Materials interpreted as River Terrace Deposits and Pennine Lower Coal Measure Formation were not encountered to the completed depth of the investigation, but these materials are indicated to underlie the site by the BGS. The Made Ground was found to be of significant thickness and typically the full thickness of these materials was not proven as part of this intrusive investigation.

11.2 Buried Structures

A buried obstruction was encountered at WS108. Due to the nature of the structures present at the site and based on the findings of the historical map extracts, there is the potential for significant below ground structures to be present. These structures have the potential to impact on the development of the site.

It is recommended that any buried obstructions are removed as part of the demolition and site clearance works. Further to this, it is recommended that where obstructions remain insitu due to practical constraints to their removal, these structures should be surveyed to record their location and any constraints to the future development by their presence.

It is recommended that any large or deep excavations are backfilled with geotechnically suitable materials in accordance with an engineering specification for the site.

The geotechnical assessment within this report should be reviewed following the completion of the demolition works to confirm that the recommendations remain appropriate.

11.3 Foundation Assessment

Due to their inconsistency and variability the Made Ground is not considered a suitable founding stratum in its current condition.

Due to the encountered thickness of the Made Ground it is not considered that conventional strip or pad type foundations may provide an economic or practical foundation solution for the site.

It is therefore considered that an alternative foundation solution such as piles or ground improvement techniques is likely to be required, with piles or ground improvement extending into the deeper more competent natural strata.

It is recommended that deeper boreholes are completed at the site to determine geotechnical design parameters of the deeper ground conditions to assess the appropriate



foundation solution for the proposed development and to assist with the foundation design.

It should be noted that a bored pile solution is likely to generate significant quantities of spoil for which off-site disposal may be required.

Due to the presence of granular strata, consideration should be given to casing of bored piles during installation.

Where ground improvement techniques or piling is to be adopted it is recommended that the advice of a specialist contractor is sought, and detailed design undertaken.

Plasticity index results indicate the cohesive Alluvium to be non shrinkable or non-plastic.

11.4 Floor Slabs

Due to the presence of Made Ground in excess of 600mm, it is recommended that suspended floor slabs with a suitable floor void are adopted for the proposed development.

If ground improvement is undertaken at the site, ground bearing floor slabs could be adopted within improved ground. The design of any ground improvement and an assessment of the achievable allowable bearing pressure and likely settlements should be undertaken by a specialist ground improvement contractor.

11.5 Earthworks

Due to the topography of the site, reprofiling works may be required to enable the proposed development. The extent of the reprofiling works would be subject to the nature of the proposed development.

Earthworks may also be required to provide suitable temporary haul roads and working platforms.

It is recommended that any significant reprofiling works should be undertaken in accordance with an appropriate earthworks specification.

An initial classification exercise has been completed to classify the materials in accordance with the Specification for Highway Works. Based on the initial classification, the Made Ground materials at the site are considered suitable for re-use as general fill. However, this assessment assumes that any over-size materials or otherwise unsuitable materials are removed from the Made Ground prior to its placement.

Should earthworks be required for the site, further laboratory analysis of the actual materials to be used will be required to confirm their material properties and to ensure that they are suitably placed and compacted in accordance with an appropriate earthworks specification.

Prior to the commencement of any earthworks, it is recommended that all standing water is removed from the working area and all soft, loose, wet or otherwise unsuitable materials are removed from the formation level. The formation level should be proof rolled and any 'soft spots removed and replaced with suitable fill.



11.6 Retaining Structures

Retaining structures may be required as part of the proposed development.

Based on the ground conditions encountered at the site, it is considered that piled retaining walls could be adopted at the site. The actual type of retaining walls adopted may be subject to their location and height.

Once the location of any retaining walls has been finalised, it is recommended that appropriate design parameters are determined as part of the design process and additional location specific ground investigation is undertaken as required.

11.7 Slope Stability

Slopes and changes in elevation are present across the site. A preliminary visual inspection of existing natural slopes was undertaken as part of this investigation with no obvious signs of major instability or failures observed.

However, it is considered that the stability of any existing slopes may be affected by the proposed development, particularly if reprofiling works are to be undertaken.

At this stage, it is considered that any slopes forming part of the proposed development constructed with maximum slope angles of approximately 1(V):3(H) and slope heights not exceeding 2m to 3m should remain stable as part of any permanent works. However, for higher or steeper slopes a detailed slope stability assessment should be carried out.

It is recommended that once the final layout of the proposed development is available, together with the extent of any reprofiling works and the location of any retaining structures, that an assessment is made of any potential stability issues and if required a slope stability assessment undertaken.

11.8 Road Pavements

For the basis of design of any areas of hardstandings or road pavements a design CBR value of 1% could be adopted for the proposed development where formation level lies within the Made Ground materials following the removal of any Topsoil or otherwise unsuitable materials and suitable preparation of the formation layer.

For larger areas of hardstanding, for instance yard areas at a commercial or industrial development, consideration should be given to the potential for differential settlements to occur across these areas. Where differential settlements are to be avoided, consideration to mitigation measures such as geogrid reinforcement may be required.

It should be noted that the formation should be proof rolled and any 'soft' spots removed and replaced with suitable fill. The formation is likely to deteriorate if left uncovered and therefore the road should be constructed within a short time frame after stripping of superficial materials or a protective layer should be left in place.

11.9 Excavations

Excavation of the materials encountered on site is likely to be achieved using conventional plant however, where obstructions remain in the ground at shallow depths the use of pneumatic/hydraulic breakout equipment may be required particularly within confined excavations.



The Made Ground was locally found to be soft or in a very loose to loose state of compaction and may therefore be subject to spalling and collapse within excavations. Deeper excavations are likely to be prone to rapid, unpredictable, large scale collapse, particularly in the presence of groundwater inflows.

Consequently, temporary support should be considered for all excavations where collapse is to be avoided. Heavier duty closed shoring should be provided for any excavation where man entry is necessary, in compliance with statutory requirements to ensure safe working conditions. In addition, care should be taken when personnel enter excavations (or confined spaces), to ensure full ventilation is available and appropriate safety precautions are taken.

Due to the lower oxygen levels recorded as part of the monitoring undertaken at the site, it is advised that monitoring of atmospheric gas concentrations is undertaken for all works within excavations where man entry is required.

11.10 Dewatering

Groundwater was encountered at WS108 at 0.35m only during its formation. This groundwater is considered to be perched in nature. During the subsequent monitoring programme, groundwater was not recorded within any of the monitoring installations.

It is therefore considered that groundwater inflows may occur within excavations forming part of the proposed development. Where minor groundwater inflows do occur within excavations, these may be suitably controlled with the use of conventional sump pumping techniques. However, instability of excavations could occur in conjunction with groundwater inflows, particularly in association with granular deposits.

11.11 Buried Concrete Classification

Based on the results of chemical laboratory testing undertaken on samples recovered from the Made Ground at the site it is considered that a Design Sulphate Class "DS-5" (based on total potential sulphate) and an Aggressive Chemical Environment for Concrete (ACEC) site classification "AC-5" should be adopted for all concrete placed within the ground within excavations.

Based on the results of the chemical laboratory analysis it is considered that a Design Sulphate Class "DS-4" (based on water soluble sulphate) and an ACEC site classification "AC-5z" should be adopted for piles.

11.12 Gas Protection Measures

The site is located within a lower probability radon area. No radon protective measures are necessary in the construction of new dwellings or extensions.

The gas monitoring results indicate gas conditions corresponding to a worst case Hazardous Gas Flow (HGF) of <0.07l/hr indicating Characteristic Situation 1 (CS1) characterised as very low potential hazard.

However, carbon dioxide has been recorded in excess of 5% at WS111 and WS115. It is therefore considered appropriate to classify the site as CS2 (characterised as low potential hazard). Therefore, in accordance with BS 8485, it is recommended that gas protection measures are incorporated into the proposed development. Due to the presence of



potentially volatile hydrocarbons in soils at the site, it is recommended that the gas protection measures include a hydrocarbon resistant membrane.

It is recommended that further ground gas monitoring is completed to confirm the ground gas regime at the site in accordance with BS8485.

The design and installation of the gas protection measures should be carried out in accordance with BS8485. It is recommended that the installation of the gas membrane should be carried out by specialist membrane installers and should be appropriately verified and validated in accordance with CIRIA C735 and current industry standards.

This conclusion should be agreed with the relevant regulatory authorities prior to the commencement of development works to confirm that the assessment completed meets with their requirements and further monitoring to verify these results is not required.

11.13 Drainage Design and Surface Water Management

Falling head permeability testing was completed at all monitoring installations on 27th September 2022. The falling head permeability tests recorded infiltration rates between $1.38 \times 10^{-7} \text{m/s}$ and $2.42 \times 10^{-5} \text{m/s}$ at WS115 and WS106 respectively.

Due to the presence of significant thicknesses of variable granular and cohesive Made Ground together with the presence of underlying cohesive natural strata, it is considered that soakaways or other infiltration drainage systems are unlikely to be feasible for the site.

It is recommended that the advice of a specialist drainage engineer is sought with regards to the design and installation of any drainage systems which may form part of the proposed development.



12 CONTAMINATION ASSESSMENT – HUMAN HEALTH

12.1 Introduction

The results of the chemical laboratory testing undertaken on selected soil samples (see Section 9.5), have been compared where possible to the relevant industry guidance as detailed in the following section.

Defra have published Development of Category 4 Screening Levels (C4SL) for Assessment of Land Affected by Contamination (document reference SP1010, dated 20th December 2013) that may be used as part of the planning process. This document includes proposed C4SL for six contaminants of concern. The chemical laboratory test results have therefore been compared where relevant to the C4SL. The C4SL have been derived based on the proposed end use of the site. In this instance an end use of 'residential without produce' has been considered appropriate. This land-use is considered to provide a conservative assessment of risk at the site and should be reviewed based on the actual development proposals for the site.

It is noted that the C4SL for benzo(a)pyrene has been derived as a surrogate marker for all genotoxic PAH species including this determinant assuming the assessed site investigation data conforms with the Culp et al 2010 assessment. The remaining genotoxic PAH species included in the priority 16 PAH suite of analysis are benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, chrysene, dibenzo(ah)anthracene and indeno(123cd)pyrene. An assessment of the site investigation data has been completed and shown the site investigation data to generally conform with the upper and lower limits from the Culp 2010 assessment and therefore assessment criteria are not considered necessary for these determinants and benzo(a)pyrene may be used as a surrogate marker.

C4SLs have not been provided for the full range of determinants assessed as part of this contamination assessment. However, the Contaminated Land Exposure Assessment (CLEA) guidance to assess the potential risk to human health (Document References SC050021/SR2, SC050021/SR3, SC050021/SR4 and SC050021/SR7) remains available. GAC for the relevant contaminants of concern included in this report have been derived in accordance with this CLEA guidance and spreadsheet Version 1.071. These criteria are considered to remain appropriate as C4SL are proposed to be more pragmatic whilst still highly precautionary when compared to the previously published guidance. The GAC in this report are therefore considered to be more conservative and define a lower level of risk in consideration of the potential risk to human health when compared to the current guidance and C4SL. The derived GAC are presented in Appendix VII.

Laboratory data at the site recorded an average result of approximately 6.49% for soil organic matter calculated using fraction of organic carbon results. The GAC for the site are therefore calculated assuming 6.49% SOM.

12.2 Chemical Test Results - Soils

The results of the chemical laboratory testing undertaken on the selected soil samples are summarised in Table 4. Only those determinants recorded in excess of their relevant laboratory detection limits are assessed here.

Where TPH (C10-C40) is recorded in excess of its relevant chemical laboratory detection limit, this determinant is conservatively assessed using the GAC for the aliphatic TPH fraction >C12-C16. This fraction is selected as the speciated TPH data for the site and the



TPH gas chromatographs for the most elevated TPH results indicate this determinant is characterised by carbon chain lengths of >C12. The GAC for the aliphatic fraction >C12-C16 is selected as it is the most stringent individual TPH fraction GAC representative of the recorded TPH.

The chemical test results on soil are presented in full in Appendix V.

Table 4 Summary of Soils Data with Respect to Human Health (Tier 1)

| Contaminants | Max Conc. (mg/kg) | Defra C4SL mg/kg (Residential with produce) | CLEA Derived GAC mg/kg (Residential with produce) | No. of Tests |
|-------------------|-------------------|---|---|--------------|
| Arsenic | 780 | 37 (20) | - | 25 |
| Beryllium | 5.7 | - | 87.6 (0) | 25 |
| Boron | 2.7 | - | 112 (0) | 25 |
| Cadmium | 2.9 | 22 (0) | - | 25 |
| Chromium | 310 | - | 1111 (0) | 25 |
| Copper | 450 | - | 2360 (0) | 25 |
| Total Cyanide | 1.7 | - | 25.8 (0) | 25 |
| Lead | 620 | 200 (1) | - | 25 |
| Mercury | 1.5 | - | 169 (0) | 25 |
| Nickel | 88 | - | 127 (0) | 25 |
| Vanadium | 120 | - | 279 (0) | 25 |
| Zinc | 580 | - | 3180 (0) | 25 |
| Benzo(a)pyrene | 15 | 5.0 (2) | - | 25 |
| Naphthalene | 8.3 | - | 5.24 (3) | 25 |
| Acenaphthylene | 0.91 | - | 1580 (0) | 25 |
| Acenaphthene | 2.6 | - | 2160 (0) | 25 |
| Fluorene | 2.1 | - | 1970 (0) | 25 |
| Phenanthrene | 30 | - | 2330 (0) | 25 |
| Anthracene | 8.3 | - | 18600 (0) | 25 |
| Fluoranthene | 45 | - | 692 (0) | 25 |
| Pyrene | 42 | - | 1600 (0) | 25 |
| TPH (C10-C40) | 690 | - | 336 (3) | 20 |
| TPH Ali. >C10-C12 | 12 | - | 465* (0) | 5 |
| TPH Ali. >C12-C16 | 350 | - | 336* (1) | 5 |
| TPH Ali. >C16-C21 | 970 | - | 88400 (0) | 5 |
| TPH Ali. >C21-C35 | 780 | - | 88400 (0) | 5 |
| TPH Aro. >C10-C12 | 6.6 | - | 220 (0) | 5 |
| TPH Aro. >C12-C16 | 100 | - | 474 (0) | 5 |
| TPH Aro. >C16-C21 | 400 | - | 697 (0) | 5 |
| TPH Aro. >C21-C35 | 510 | - | 1150 (0) | 5 |

Note: 1. Number in brackets represents the number of results above guideline values.

In addition to the determinants summarised in Table 4, asbestos was analysed for in twenty-four samples of Made Ground. Asbestos as characterised by chrysotile loose fibres was identified at WS112 at 0.8m bgl. Quantification analysis indicates the mass percentage of asbestos present with the sample analysed to be less than the laboratory detection limit of 0.001% by mass.

Arsenic is recorded in excess of its relevant screening criterion in twenty samples of Made Ground analysed from across the site.

Lead is recorded in excess of its relevant screening criterion in a sample of Made Ground from WS106 at 0.2m bgl.

Benzo(a)pyrene is recorded in excess of its relevant screening criterion in two samples of Made Ground from WS112 at 0.2m and 0.8m bgl.



Naphthalene is recorded in excess of its relevant screening criterion in three samples of Made Ground from WS107, WS109 and WS110 at depths of 0.7m, 0.8m and 1.6m bgl respectively.

TPH (C10-C40) is recorded in excess of its relevant screening criterion in three samples of Made Ground from WS101, WS109 and WS112 at depths of 0.8m bgl.

The aliphatic TPH fraction >C12-C16 is marginally recorded in excess of its relevant screening criterion in a sample of Made Ground from WS103 at 0.8m bgl.

It is noted that the screening for TPH (C10-C40) and the aliphatic TPH fraction >C12-C16 comprises the relevant theoretical saturation limit. It is stated within the CLEA guidance that the theoretical saturation limit provides a 'highly conservative' assessment of the potential risk to human health. Given the generally marginal nature of the exceedances and the conservative nature of the applied screening criterion, the potential risk to human health from these contaminants of concern is considered to be low.

Further assessment of the potential risk to human health from the recorded concentrations of arsenic, lead, benzo(a)pyrene, TPH (C10-C40) and the aliphatic TPH fraction >C12-C16 and the presence of asbestos is considered necessary.

12.4 Discussion

The recorded concentrations of arsenic, lead, benzo(a)pyrene, benzo(a)pyrene and TPH and the presence of asbestos has the potential to pose a risk to human health at the proposed development and during the development works.

The assessed pathways for residential dwellings with home grown produce are dermal contact, ingestion, indoor inhalation, outdoor inhalation, particulates and vegetable uptake. It is noted that there are no development proposals for the site at this time and therefore, these pathways may not all be relevant for the actual development of the site.

It is considered that the potential risk to human health via the direct contact pathways of dermal contact, ingestion, particulates and vegetable uptake will be mitigated by the presence of buildings and hardstandings however, a potential risk to human health may be posed where the impacted materials are present at the surface following the completion of the proposed development enabling these pathways to be completed.

To mitigate the potential risk to human health it is recommended that impacted materials are not present at the surface following the completion of the proposed development. It is recommended that in areas not covered by buildings or hardstandings that a suitable cover layer of 'clean' materials is placed in all areas of soft landscaping to reduce the potential risk to human health to an acceptable level.

The requirement for a cover system has been assessed in accordance with Cover Systems for Land Regeneration BRE 465. A cover system comprising a minimum of 600mm of imported 'clean' growing media is required within all rear garden areas. It is recommended that the cover system is placed on an anti-dig barrier such as a geotextile anti dig barrier. A cover system comprising 300mm of imported 'clean' growing media is required in all front garden areas and areas of managed open space. This should also be placed on an anti-dig geotextile barrier.



It is also recommended that the chemical laboratory test results within this report should be forwarded to the mains water service provider to ensure that their requirements for service line construction are satisfied.

The remaining pathways are via the inhalation of vapours. For contamination to pose a risk via the pathways of vapour inhalation they must be volatile. The identified TPH and naphthalene is considered to be potentially volatile and therefore a potential risk to human health may be posed by these contaminants. However, it is noted that the assessment of risk from TPH comprises a highly conservative assessment and the overall risk to the critical receptor is considered to be low. The remaining contaminants of concern are not considered significantly volatile and are therefore not considered to pose a risk to human health via the pathway's incorporation the inhalation of vapours.

However, as a precautionary measure and to allow for higher concentrations of the contaminants of concern to be present between exploratory locations, it is recommended that gas protection measures to CS2 including a hydrocarbon vapour resistant membrane are incorporated into all structures at the proposed development.

Assuming the inclusion of this mitigation measure, the pollutant linkage incorporating the inhalation of vapours in internal areas from contamination present in soil cannot be completed. No further assessment of the potential risk to human health via the pathway of indoor inhalation of vapours is therefore considered necessary.

The pathway of outdoor inhalation of vapours is considered to be potentially viable at the site. As the pathway of outdoor inhalation of vapours is the only viable pathway at the proposed development, it is considered that the potential risk to human health at the proposed development from the identified contamination is very low if not negligible and it is not considered that the pollutant linkage incorporating outdoor inhalation needs to be assessed further.

The identified contamination may also pose a risk to construction and maintenance workers as they may come into contact with contaminated soils during construction and maintenance works. It is recommended that construction and maintenance personnel wear the appropriate personnel protective equipment when in contact or potentially in contact with contaminated soils and the appropriate health and safety protocols are adopted for the redevelopment of the site and for any maintenance works required below ground level. As a precautionary measure, these protocols should include dust suppression techniques and asbestos awareness training.

Assuming the incorporation of the recommended mitigation measures above, no further assessment of the potential risk to human health is considered necessary based on the available investigation data as no viable pollutant linkages will remain at the site. However, it should be noted that the recommended mitigation measures will require validation in accordance with a remediation strategy for the site.

Should the development of the site comprise a commercial or industrial land-use, it is considered that the recommended cover layer could be reduced to 300mm placed on an anti-dig barrier in all areas of soft landscaping. The remaining mitigation measures recommended above should also be adopted for these land-uses.

The cover layers specified above comprise the minimum thickness required to mitigate the potential risk to human health. Where thicker growing media is required to support plant growth, in particular surrounding trees, this should be designed by an appropriately trained and competent person.



13 CONTAMINATION ASSESSMENT – CONTROLLED WATERS

13.1 Introduction

To assess the potential risk to controlled waters from the recorded concentrations in soils, the use of leachability is generally used to determine contaminant mobility within the ground with the results of these tests compared to the determinants respective environmental quality standards (EQS) or other applicable standards such as UK drinking water standards (DWS). As groundwater has been identified as potentially at risk, the DWS is used in this assessment where available. For organic determinants, the use of leachability is not considered reliable. These determinants are assessed using half the inert WAC criteria. Exceedances of these criterion are considered to require further assessment.

13.2 Summary of Results - Soils

Table 5 presents a summary of the screening criteria compared with the recorded concentrations of determinants at the site. Only those determinants recorded in excess of their relevant laboratory detection limits are assessed here.

The chemical test results are presented in full in Appendix V.

Table 5 Summary of Soils Data with Respect to Controlled Waters (Tier 1)

| Determinant | Max Conc. (mg/l) | Tier 1 Value (mg/l) | No. of Exceedances |
|---------------|------------------|---------------------|--------------------|
| Arsenic | 0.0068 | 0.01 | 0 (8) |
| Boron | 0.028 | 1 | 0 (8) |
| Cadmium | 0.00075 | 0.005 | 0 (8) |
| Chromium | 0.0046 | 0.05 | 0 (8) |
| Copper | 0.036 | 2 | 0 (8) |
| Lead | 0.003 | 0.01 | 0 (8) |
| Nickel | 0.019 | 0.02 | 0 (8) |
| Vanadium | 0.0065 | 0.06 | 0 (8) |
| Zinc | 0.058 | 5 | 0 (8) |
| TPH (C10-C40) | 3100 | 250 | 6 (25) |
| PAH total | 229 | 50 | 3 (25) |

Notes 1. Numbers in brackets denote the number of tests undertaken.
2. Organic determinant concentrations in mg/kg.

TPH (C10-C40) is recorded in excess of its relevant screening criterion in six samples of Made Ground from WS101, WS103, WS109, WS110 and WS112 recovered from depths of between 0.15m and 0.8m bgl.

Total PAH is recorded in excess of its relevant screening criterion in three samples of Made Ground from WS112 and WS113.

Further assessment of the potential risk to controlled waters from the recorded concentrations of TPH and PAH is considered necessary.

13.3 Discussion

The intrusive investigation has proven the published geology of Made Ground and Alluvium (Secondary Aquifer – A). The BGS indicates River Terrace Deposits (Secondary Aquifer – A) and the Pennine Lower Coal Measures (Secondary Aquifer) to be present. However, these materials were not encountered during the intrusive investigation.



Whilst the Alluvium is classified as a Secondary Aquifer – A, the intrusive investigation has found this stratum to be cohesive in nature. It is noted that the Pennine Lower Coal Measures Formation is anticipated to typically comprise interbedded mudstones, siltstones, sandstones and coal seams. Therefore, rates of groundwater flow within these strata and therefore contaminant migration, may be low. As a result, it is anticipated that any contaminants of concern within groundwater would likely degrade, attenuate and disperse before migrating a significant distance from the source area.

There are thirteen abstractions from groundwater located within 1.0km of the site. The listings relate to the abstraction of groundwater for industrial processes located at distances greater than approximately 690m from the site.

The site is not located in a SPZ.

The nearest surface water feature is an unnamed drain located approximately 180m to the north-west.

There are fourteen abstractions from surface water within 1.0km of the site. The listings relate to the abstraction of surface water for industrial processes and locally spray irrigation located at distances greater than approximately 550m from the site.

It is therefore considered that the environmental sensitivity of the site is very low as no specific receptors are identified in the vicinity of the site with the exception of the aquifer as a potential reserve.

It is noted that the former uses of the site and surrounding area are historically characterised by similar land-uses. The recorded concentrations of contaminants of concern at the site are therefore likely to be indicative of the regional geochemistry. Therefore, any remedial works completed at the site are unlikely to impact on regional groundwater quality and these works could therefore not be justified by cost benefit analysis.

The findings of the laboratory analysis indicate the recorded TPH and PAH to be characterised by longer chain species associated with ash, coal, clinker and slag. Contamination of this type is not considered to be significantly soluble, leachable or mobile within the environmental setting. The potential risk from contamination of this type is therefore considered to be low.

Due to the nature of the of the identified contaminants of concern and the very low environmental sensitivity of the site, it is considered that the potential risk to controlled waters is negligible and no further assessment of the potential risk to controlled waters is considered necessary. No remediation of soils to be protective of controlled waters is considered necessary based on the findings of this investigation.



14 WASTE DISPOSAL

Based on the results of the chemical laboratory analysis the Made Ground in the vicinity of WS104 may be classified as hazardous waste due to the recorded concentration of arsenic and should be considered as such until further testing is completed to confirm otherwise.

The Made Ground in the vicinity of WS103 and WS110 may be classified as hazardous waste due to the recorded concentrations of TPH.

The Made Ground in the vicinity of WS112 may be classified as non-hazardous waste due to the recorded presence of low concentrations of asbestos.

The remaining Made Ground may be classified as non-hazardous was an should be considered as such until further testing is completed to confirm otherwise.

The Alluvium may be classified as non-hazardous was an should be considered as such until further testing is completed to confirm otherwise. Following suitable classification testing including Waste Acceptance Criteria (WAC) testing, it may be possible to classify these materials as inert.

Prior to disposal, the characteristics of any excavated soils will need final classification in consultation with the relevant waste disposal facility and further testing and analysis may be required on the actual materials requiring off-site disposal.

It is recommended that materials with differing waste classification are segregated for off-site disposal to avoid additional disposal costs.



15 DISCOVERY STRATEGY

There is the potential for more significantly contaminated materials, differing ground conditions and buried structures to be present at the site between exploratory hole locations. Should any of these conditions be identified during the development works, ASL should be contacted immediately to allow further assessment to be completed to ensure the identified critical receptors are not at risk.

This assessment may take the form of additional intrusive investigation, sampling and laboratory analyses subject to the nature of the conditions encountered.



16 CONCLUSIONS AND RECOMMENDATIONS

A ground investigation has been completed at the site, to characterise the ground and groundwater conditions. A geotechnical and contamination assessment has been completed based on the results of these investigations. The conclusions of this assessment are summarised as follows:

There is the potential for significant below ground structures to be present associated with the former development of the site. These structures have the potential to impact on the development of the site. The geotechnical assessment for the site should be reviewed following the completion of the demolition and site clearance works to confirm that the recommendations remain appropriate.

Due to the thickness of the Made Ground, it is considered that the use of conventional foundations is unlikely to be feasible for the proposed development. It is therefore considered that either a piled foundation solution or ground improvement techniques may be feasible, with any piles or ground improvement extending into the deeper more competent Pennine Lower Coal Measures Formation.

It is recommended that deeper boreholes are completed at the site to enable the collection of appropriate geotechnical data of the deeper ground conditions to determine the appropriate foundation design parameters for the proposed redevelopment.

Where ground improvement techniques or piling is to be adopted it is recommended that the advice of a specialist contractor is sought, and detailed design undertaken.

It is recommended that suspended floor slabs with a suitable floor void are adopted for the proposed development.

If ground improvement is undertaken at the site, ground bearing floor slabs could be adopted within improved ground.

It is recommended that any significant reprofiling works should be undertaken in accordance with an appropriate earthworks specification. Should earthworks be required for the site, further laboratory analysis of the actual materials to be used will be required to confirm their geotechnical properties and to ensure that they are suitably placed and compacted in accordance with an appropriate earthworks specification.

Once the location of any retaining walls or slopes has been finalised, it is recommended that appropriate design parameters are estimated as part of the design process and additional specific ground investigation and assessments undertaken if required.

A design CBR value of 1% could be adopted for the proposed development following the removal of any unsuitable materials and suitable preparation of the formation layer. For larger areas of hardstanding, for instance yard areas at a commercial or industrial development, consideration should be given to the potential for differential settlements to occur and therefore the need for mitigation measures to be including into the design.

It is considered that a Design Sulphate Class "DS-5" (based on total potential sulphate) and an ACEC site classification "AC-5" should be adopted for all concrete placed within the ground within excavations.

A Design Sulphate Class "DS-4" (based on water soluble sulphate) and an ACEC site classification "AC-5z" should be adopted for piles.



Soakaways or other infiltration drainage systems are not considered feasible for the site.

The contamination assessment with regards to the potential risk to human health has identified the need for mitigation measures in order to reduce the potential risk to the identified receptors to an acceptable level. The recommended mitigation measures are as follows:

- A cover system of a minimum of 600mm imported 'clean' growing media within all rear garden areas and 300mm in all front garden areas or areas of managed soft landscaping placed on a crushed concrete break layer of 100mm thickness or an anti-dig geotextile;
- The chemical laboratory test results for the site should be forwarded to the mains water service provider to ensure that their requirements for service line construction on brownfield sites are satisfied;
- It is considered appropriate for all development personnel to wear the appropriate personal protective equipment and to adopt appropriate health and safety protocols where works with impacted soil and groundwater are required. These mitigation measures should include dust suppression techniques and asbestos awareness training;
- Gas protection measures should be adopted within the proposed development in general in accordance with CS2 from BS 8485. It is recommended that the gas protection measures include a gas and hydrocarbon vapour resistant membrane.

The recommended mitigation measures should be validated in accordance with a remediation strategy for the site.

Should the development of the site comprise a commercial or industrial land-use, it is considered that the recommended cover layer could be reduced to 300mm placed on an anti-dig barrier in all areas of soft landscaping. The remaining mitigation measures recommended above should also be adopted for these land-uses.

The contamination assessment with regards to the potential risk to controlled waters has not identified a risk to the critical receptor. Based on the findings of this investigation, no further assessment of the potential risk to controlled waters is considered necessary and no remediation of soils is required to be protective of controlled waters.

Arsenic and hydrocarbon impacted soils may locally be classified as hazardous waste. The remaining Made Ground may be classified as non-hazardous and should be considered as such until further testing is completed to confirm otherwise.

Following suitable classification testing, it may be possible to classify the natural strata as inert.

It is recommended that materials with differing waste classification are segregated for off-site disposal to avoid additional disposal costs.



REFERENCES

BGS Map Sheet No. 77 Huddersfield, Solid and Drift 1:50 000 scale

BGS Geoindex

DEFRA R&D Publication CLR 11 "Model Procedures for the Management of Land Contamination" dated September 2004.

DEFRA R&D Publication CLR 12 "A Quality Approach for Contaminated Land Consultancy" dated 1997.

www.environment-agency.gov.uk

Department of the Environment Industry Profiles

BS5930+A1:2020 "Code of Practice for Site Investigation"

BS10175+A2:2017 'Investigation of Potentially Contaminated Sites - Code of Practice'

BS1377-1:2016 "Method of Tests for Soils for Civil Engineering Purposes"

Environment Agency's Publication 'Methodology for the Derivation of Remedial Targets for Soil and Groundwater to Protect Water Resources' R&D Publication 20

Environment Agency's 'Remedial Targets Worksheet, Release 3.1' (October 2007)

Concrete – Complementary British Standards to BS EN 206-1 Part 1: Method of specifying and guidance for the specifier (BS 8500-1:2019)

Concrete – Complementary British Standard to BS EN 206-1 – Part 2: Specification for constituent materials and concrete (BS 8500-2:2019)

Total Petroleum Hydrocarbon Criteria Working Group Series Volume 3 and 4, 1997

Human health toxicological assessment of contaminants in soil (Report Reference SC050021/SR2, dated January 2009);

Updated technical background to the CLEA model (Report Reference SC050021/SR3, dated January 2009);

CLEA Software (Version 1.05) Handbook (Report Reference SC050021/SR4, dated January 2009);

Compilation of Data for Priority Organic Pollutants for Derivation of Soil Guideline Values (Report Reference SC050021/SR7, dated November 2008).

BS8485:2015+A1:2019 "Code of practice for the characterisation and remediation from ground gas in affected developments"

NHBC Standards 2022



GENERAL NOTES

The interpretation made in this report is based on the information obtained during the course of the desk study and ground investigation. It should be appreciated that any desk study information is not necessarily exhaustive and that further information relevant to the site and its proposed usage may be available. There may be conditions present on the site that have not been revealed by the ground investigation which as a result have not been addressed within this report.

The accuracy of any map extracts cannot be guaranteed, and it should be recognised that different conditions on site may have existed between and subsequent to the various map surveys.

The qualitative assessment of risk presented in this report presents an assessment of potential pollutant linkages between sources, pathways and receptors. A level of risk is attributed to these linkages. However, a low or insignificant risk does not imply that elevated concentrations of various determinants are not present on the site when compared to background or 'greenfield' conditions.

The level of risk attributed is based on a number of factors and the interpretation of this risk may be applied in a different manner for a different end use or environmental setting. The presence of contaminants may be assessed in alternative ways by institutional bodies regardless of whether an apparent risk is present based on the identified pollutant linkages in this assessment.

This report may express an opinion on possible configurations of strata underlying the site between or beyond the exploratory holes or on the possible presence of features based on either visual, verbal or published evidence, this is for guidance only and no liability can be accepted for its accuracy.

Comments made on ground conditions are based on the observations made at the time of the investigation works. It should be noted that groundwater levels may vary due to seasonal fluctuation or other factors. Observations made with respect to below ground gas concentrations may also vary due to seasonal factors and atmospheric conditions.

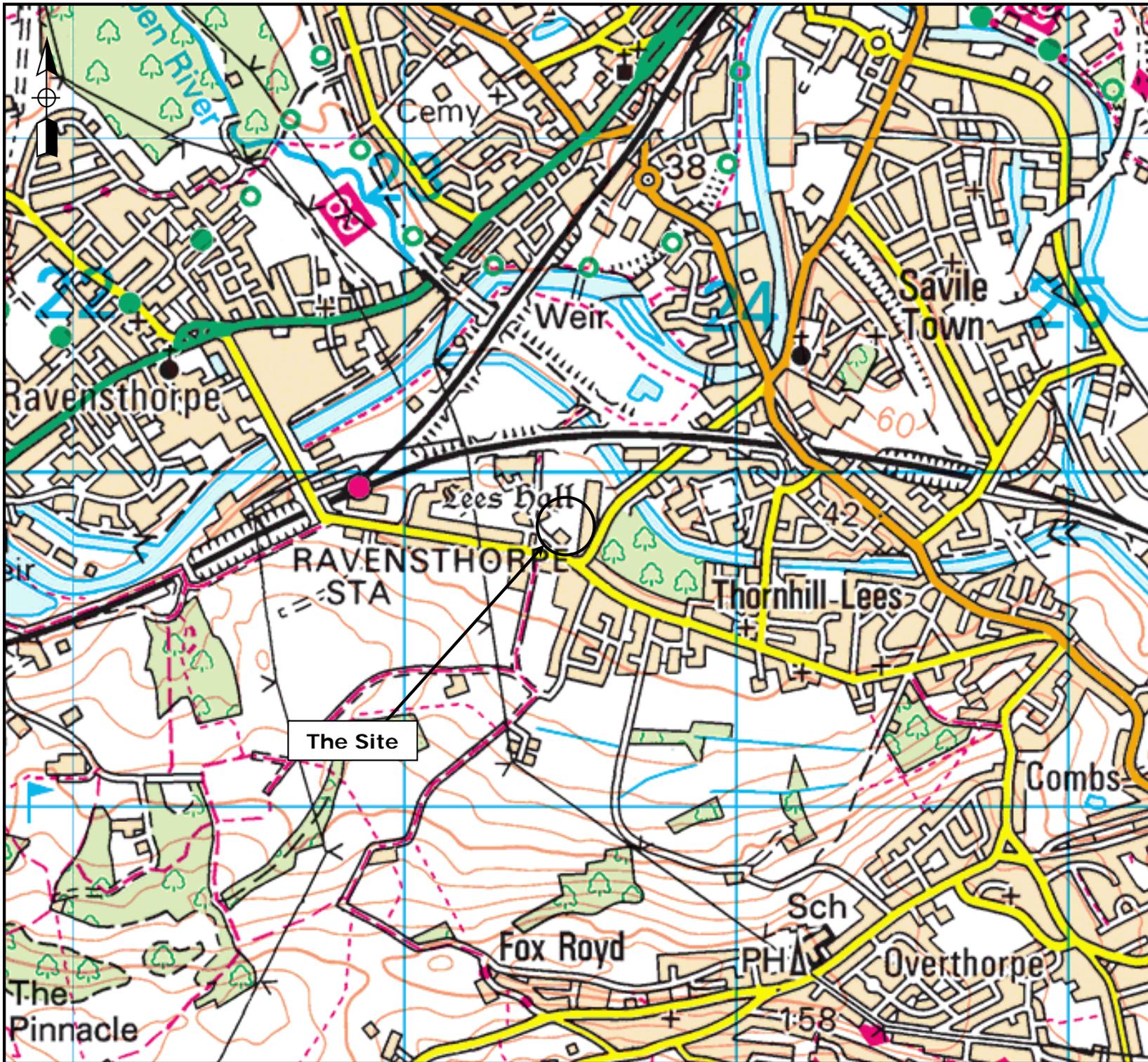
This report has been prepared in relation to the proposed development as detailed herein. Should the nature of the development change following the submission of this report a re-assessment of the conditions recorded on the site may be necessary.

This report may not be used in the assessment of the conditions at any site other than the site described herein.

This report has been prepared for the sole use of the client and the client's agents and advisors in relation to the proposed development as detailed herein. The issue of this report to third parties not involved in the proposed development as described herein is not permitted without the prior permission being received in writing by ASL. Reproduction of this report to include all figures, drawings and appendices is prohibited without the prior written consent of ASL.



FIGURES



Notes: Not to Scale

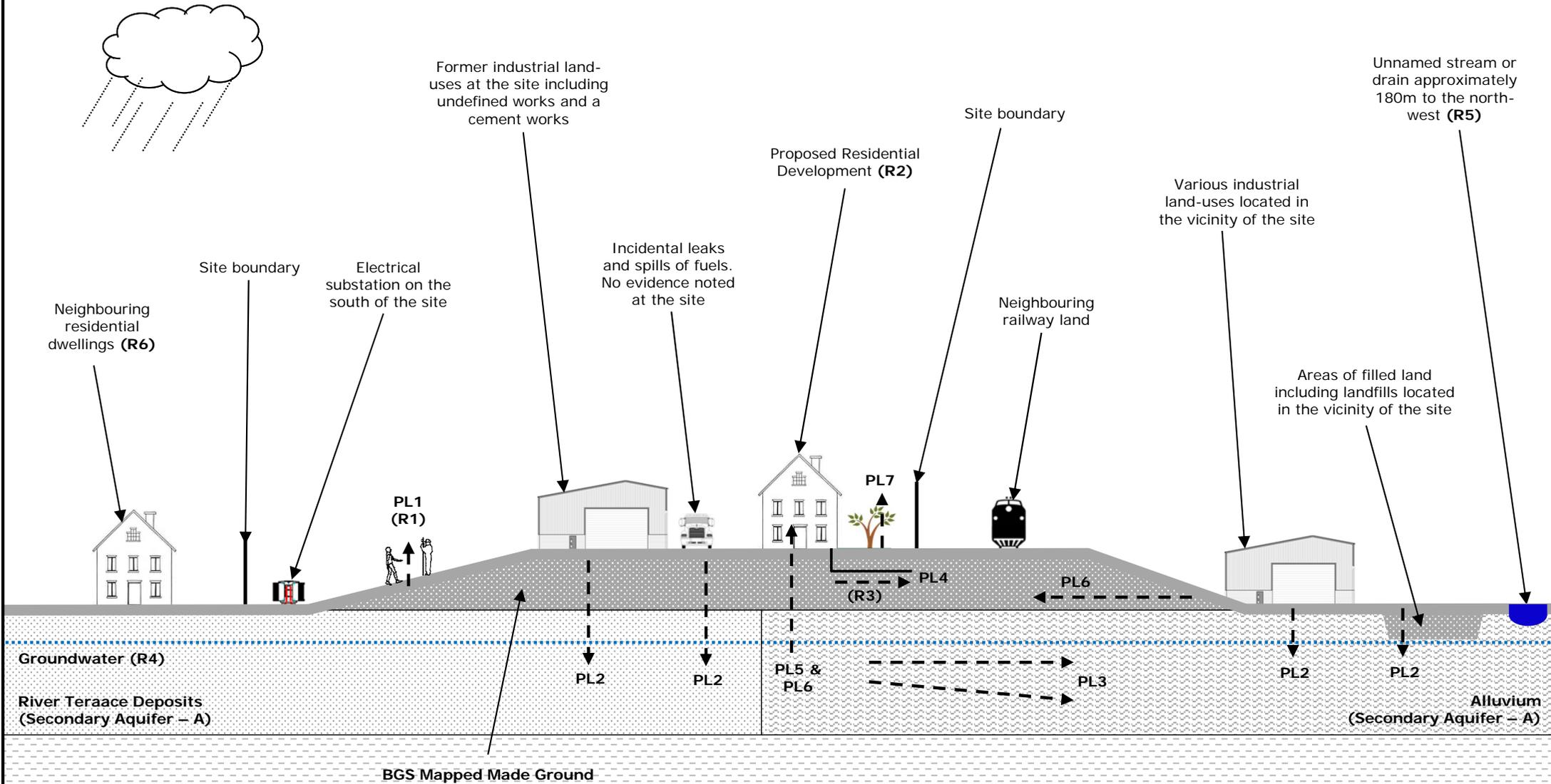
| | |
|--------------|---|
| Drawing No. | Figure 1 |
| Drawing Name | Site Location Plan |
| Project | Land at Lees Hall Road, Dewsbury |
| Client Name | Tarmac Trading Limited |
| Project No. | 203-22-989 |

ASL
Holly Farm Business Park
Honiley
Warwickshire
CV8 1NP
T: +44 (0)1926 485 508
E: info@aslenvironmental.co.uk
W: www.aslenvironmental.co.uk



S

N



Pennine Lower Coal Measures Formation
(Secondary Aquifer - A)

BGS Mapped Made Ground

| | |
|--------------|---|
| Drawing No. | Figure 3 |
| Drawing Name | Conceptual Site Model |
| Project Name | Land at Lees Hall Road, Dewsbury |
| Client Name | Tarmac Trading Limited |
| Project No. | 203-22-989 |

Summary of Pollutant Linkages (for full details see contamination associated report)

Receptors:

R1 - Construction and maintenance workers;
R2 - Current and future site users;
R3 - Service Lines;
R4 - Groundwater;
R5 - Surface watercourses;
R6 - Neighbouring properties and residents.

Pathways:

PL1 - Direct Physical Contact;
PL2 - Migration from soils to groundwater via leaching;
PL3 - Migration within groundwater;
PL4 - Migration via service lines;
PL5 - Volatilisation of contaminants from soils and groundwater;
PL6 - Migration of hazardous ground gases;
PL7 - Vegetable Uptake.

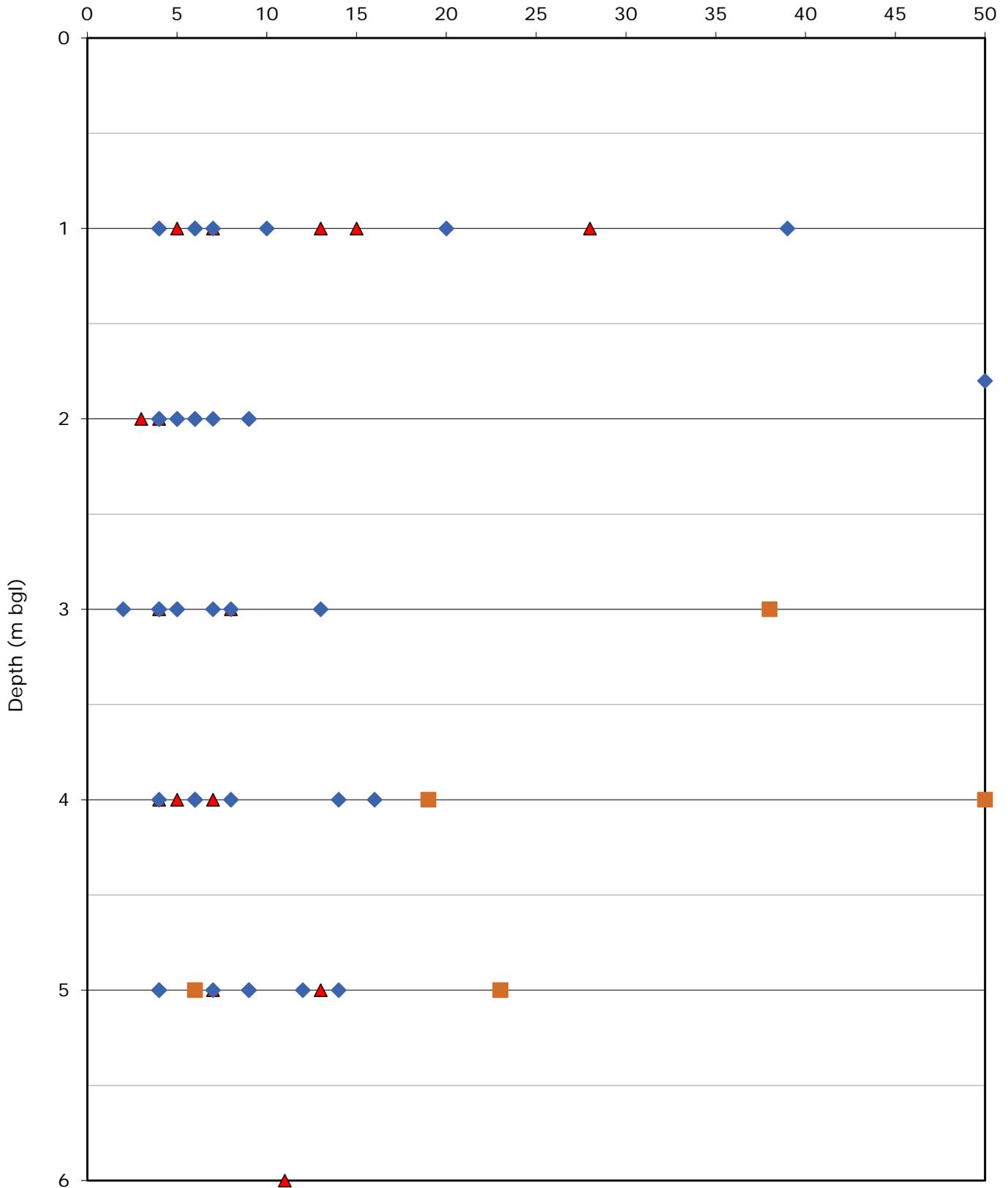
ASL

Holly Farm Business Park
Honiley
Warwickshire
CV8 1NP

T: +44 (0)1926 485 508
E: info@aslenvironmental.co.uk
W: www.aslenvironmental.co.uk

asl

SPT 'N' Value



| | |
|--------------|--|
| Drawing No. | Figure 4 |
| Drawing Name | SPT 'N' Value Versus Depth Below Ground Level |
| Project Name | Land at Lees Hall Road, Dewsbury |
| Client Name | Tarmac Trading Limited |
| Project No. | 203-22-989 |

| Legend | |
|--------|----------------------|
| ▲ | Cohesive Made Ground |
| ◆ | Granular Made Ground |
| ■ | Alluvium |

ASL
 Holly Farm Business Park
 Honiley
 Warwickshire
 CV8 1NP

T: +44 (0)1926 485 508
 E: info@aslenvironmental.co.uk
 W: www.aslenvironmental.co.uk





APPENDIX I
COAL AUTHORITY REPORT



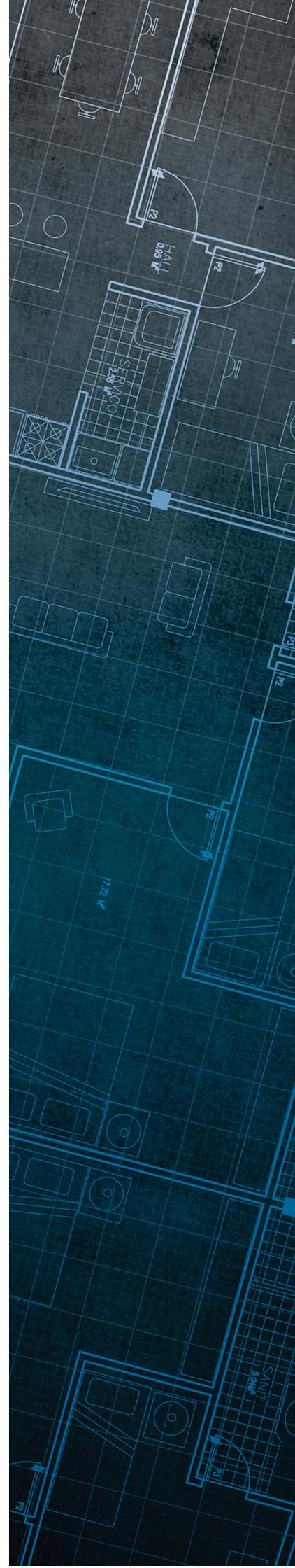
The Coal
Authority

Consultants Coal Mining Report

Land At Lees Hall Road
Dewsbury
West Yorkshire
WF12 9EQ

Date of enquiry: 8 August 2022
Date enquiry received: 8 August 2022
Issue date: 8 August 2022

Our reference: 51003257554001
Your reference: 299503985_2



Consultants Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

NLIS Hub

Enquiry address

Land At Lees Hall Road
Dewsbury
West Yorkshire
WF12 9EQ

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

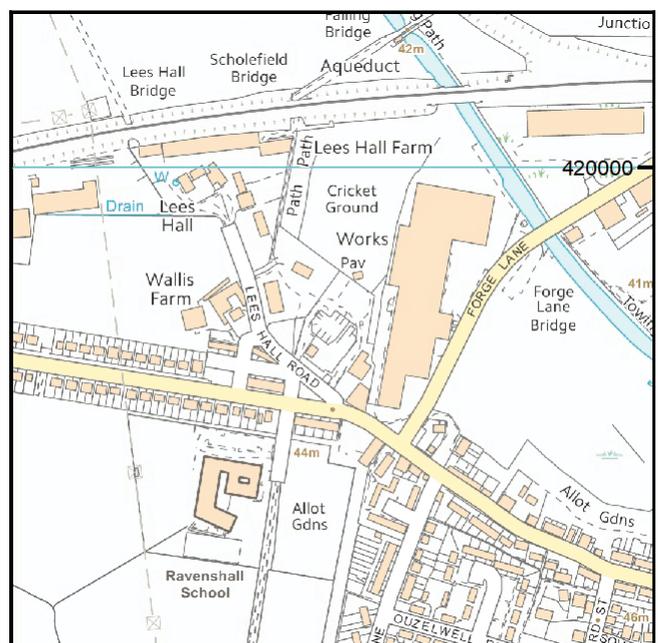
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved.

Ordnance Survey Licence number: 100020315

Section 1 – Mining activity and geology

Past underground mining

| Colliery | Seam | Mineral | Coal Authority reference | Depth (m) | Direction to working | Dipping rate of seam worked (degrees) | Dipped direction of seam worked | Extraction thickness (cm) | Year last mined |
|----------|-----------|---------|--------------------------|-----------|----------------------|---------------------------------------|---------------------------------|---------------------------|-----------------|
| unnamed | BLACK BED | Coal | 6NGA | 206 | Beneath Property | 2.5 | North-East | 76 | 1905 |
| unnamed | BLACK BED | Coal | 6ZL3 | 217 | North-West | 4.8 | North-East | 76 | 1907 |

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

| | | |
|-------|--------|-------|
| 11057 | 10527 | NEST2 |
| NE108 | FGB814 | |

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

No outcrops recorded.

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

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.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

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

Withdrawal of support notices

The property is in an area where a notice to withdraw support was given in 1947.

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.

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.

Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

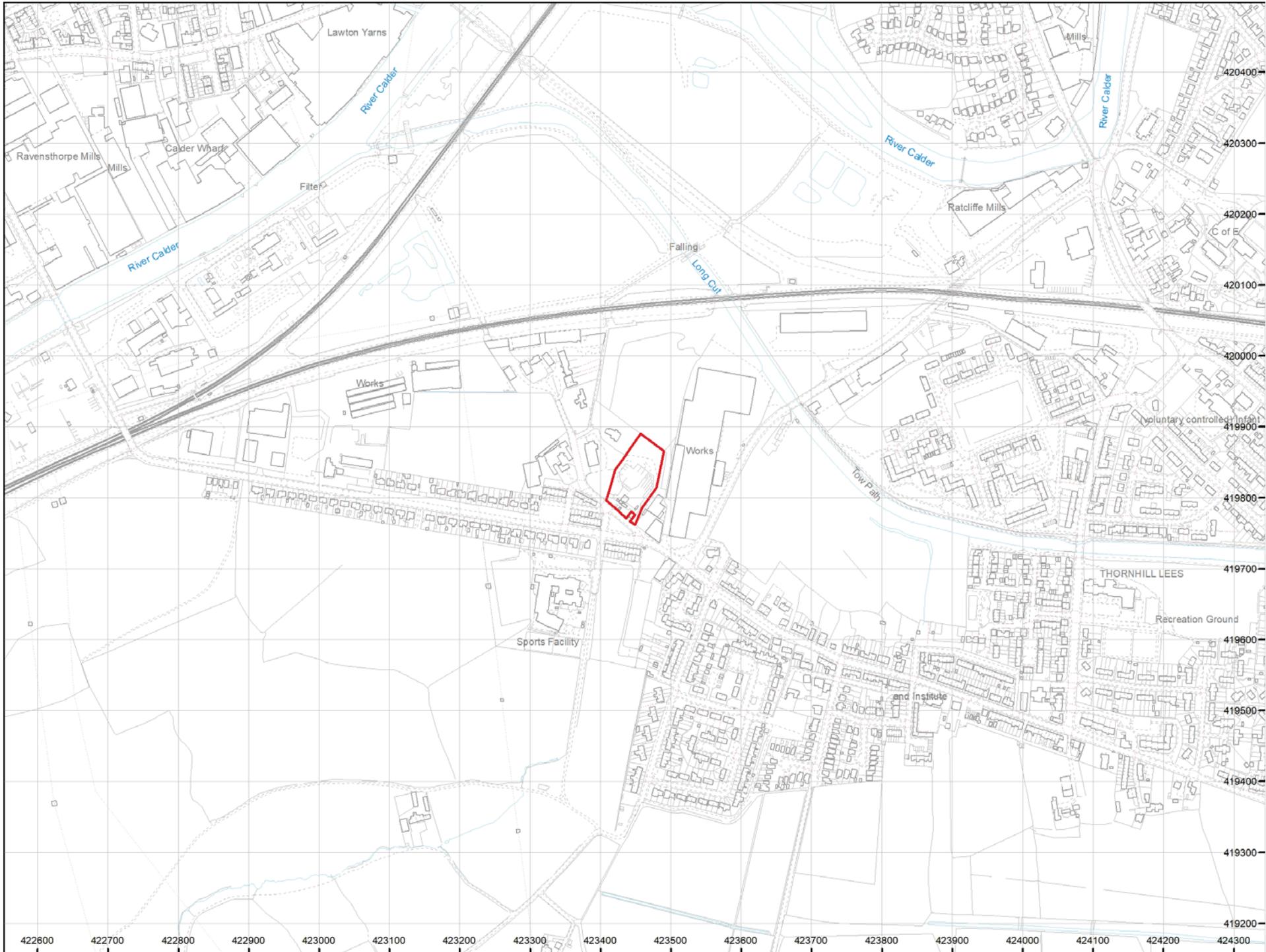
Payment to owners of former copyhold land

Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

Approximate position of the enquiry boundary shown 





APPENDIX II

ENVIRONMENTAL DATABASE SEARCH RESULTS

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

299503985_1_1

Customer Reference:

203-22-989

National Grid Reference:

423450, 419830

Slice:

A

Site Area (Ha):

0.59

Search Buffer (m):

1000

Site Details:

Land at Lees Hall Road

Dewsbury

WF12 9EQ

Client Details:

Mr M Davis

ASL

Holly Farm Business Park

Honiley

Warwickshire

CV8 1NP

| Report Section | Page Number |
|-----------------------|-------------|
| Summary | - |
| Agency & Hydrological | 1 |
| Waste | 54 |
| Hazardous Substances | - |
| Geological | 62 |
| Industrial Land Use | 70 |
| Sensitive Land Use | 96 |
| Data Currency | 97 |
| Data Suppliers | 103 |
| Useful Contacts | 104 |

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.

Copyright Notice

© Landmark Information Group Limited 2022. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report. © Environment Agency & United Kingdom Research and Innovation 2022. © Natural Resources Wales & United Kingdom Research and Innovation 2022.

Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Stantec Copyright Notice

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2022. Land & Property Services © Crown copyright and database right.

Report Version v53.0

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|-------------|---------|-----------|-------------|-----------------------------|
| Agency & Hydrological | | | | | |
| BGS Groundwater Flooding Susceptibility | pg 1 | Yes | Yes | Yes | n/a |
| Contaminated Land Register Entries and Notices | | | | | |
| Discharge Consents | pg 3 | | | 6 | 30 |
| Prosecutions Relating to Controlled Waters | | | n/a | n/a | n/a |
| Enforcement and Prohibition Notices | | | | | |
| Integrated Pollution Controls | pg 12 | | | 1 | 4 |
| Integrated Pollution Prevention And Control | pg 13 | | | 2 | 26 |
| Local Authority Integrated Pollution Prevention And Control | pg 19 | | | | 1 |
| Local Authority Pollution Prevention and Controls | pg 19 | 1 | 1 | 2 | 10 |
| Local Authority Pollution Prevention and Control Enforcements | | | | | |
| Nearest Surface Water Feature | pg 21 | | Yes | | |
| Pollution Incidents to Controlled Waters | pg 21 | | | | 24 |
| Prosecutions Relating to Authorised Processes | pg 25 | | 1 | | 1 |
| Registered Radioactive Substances | | | | | |
| River Quality | pg 25 | | 1 | | 4 |
| River Quality Biology Sampling Points | | | | | |
| River Quality Chemistry Sampling Points | pg 26 | | | | 3 |
| Substantiated Pollution Incident Register | pg 28 | | | | 4 |
| Water Abstractions | pg 29 | | | | 27 (*15) |
| Water Industry Act Referrals | | | | | |
| Groundwater Vulnerability Map | pg 39 | Yes | n/a | n/a | n/a |
| Groundwater Vulnerability - Soluble Rock Risk | | | n/a | n/a | n/a |
| Groundwater Vulnerability - Local Information | | | n/a | n/a | n/a |
| Bedrock Aquifer Designations | pg 39 | Yes | n/a | n/a | n/a |
| Superficial Aquifer Designations | pg 39 | Yes | n/a | n/a | n/a |
| Source Protection Zones | | | | | |
| Extreme Flooding from Rivers or Sea without Defences | pg 40 | | Yes | n/a | n/a |
| Flooding from Rivers or Sea without Defences | pg 46 | | Yes | 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 46 | | 3 | 9 | 46 |

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|-------------|---------|-----------|-------------|--------------------------------|
| Waste | | | | | |
| BGS Recorded Landfill Sites | pg 54 | | | | 1 |
| Historical Landfill Sites | pg 54 | | 1 | 2 | 1 |
| Integrated Pollution Control Registered Waste Sites | | | | | |
| Licensed Waste Management Facilities (Landfill Boundaries) | pg 55 | | 1 | 1 | |
| Licensed Waste Management Facilities (Locations) | pg 55 | | | 2 | 7 |
| Local Authority Landfill Coverage | pg 57 | 1 | n/a | n/a | n/a |
| Local Authority Recorded Landfill Sites | | | | | |
| Potentially Infilled Land (Non-Water) | pg 57 | | 2 | 1 | 10 |
| Potentially Infilled Land (Water) | pg 58 | | 1 | 3 | 2 |
| Registered Landfill Sites | pg 58 | | | 4 | |
| Registered Waste Transfer Sites | pg 60 | | | | 3 |
| Registered Waste Treatment or Disposal Sites | pg 61 | | | | 1 |
| Hazardous Substances | | | | | |
| Control of Major Accident Hazards Sites (COMAH) | | | | | |
| Explosive Sites | | | | | |
| Notification of Installations Handling Hazardous Substances (NIHHS) | | | | | |
| Planning Hazardous Substance Consents | | | | | |
| Planning Hazardous Substance Enforcements | | | | | |

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|-------------|---------|-----------|-------------|--------------------------------|
| Geological | | | | | |
| BGS 1:625,000 Solid Geology | pg 62 | Yes | n/a | n/a | n/a |
| BGS Estimated Soil Chemistry | pg 62 | Yes | Yes | Yes | Yes |
| BGS Recorded Mineral Sites | pg 66 | | | 4 | 6 |
| BGS Urban Soil Chemistry | | | | | |
| BGS Urban Soil Chemistry Averages | | | | | |
| CBSCB Compensation District | | | n/a | n/a | n/a |
| Coal Mining Affected Areas | pg 68 | Yes | n/a | n/a | n/a |
| Mining Instability | pg 68 | 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 68 | Yes | Yes | n/a | n/a |
| Potential for Compressible Ground Stability Hazards | pg 68 | Yes | Yes | n/a | n/a |
| Potential for Ground Dissolution Stability Hazards | | | | n/a | n/a |
| Potential for Landslide Ground Stability Hazards | pg 68 | Yes | Yes | n/a | n/a |
| Potential for Running Sand Ground Stability Hazards | pg 69 | Yes | Yes | n/a | n/a |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 69 | 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 |
| Industrial Land Use | | | | | |
| Contemporary Trade Directory Entries | pg 70 | | 11 | 2 | 152 |
| Fuel Station Entries | pg 84 | | | | 3 |
| Points of Interest - Commercial Services | pg 85 | | 2 | | 48 |
| Points of Interest - Education and Health | | | | | |
| Points of Interest - Manufacturing and Production | pg 89 | 2 | 8 | 7 | 26 |
| Points of Interest - Public Infrastructure | pg 92 | | 2 | 3 | 27 |
| Points of Interest - Recreational and Environmental | pg 95 | | | 2 | 4 |
| Gas Pipelines | | | | | |
| Underground Electrical Cables | | | | | |

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|--------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| Sensitive Land Use | | | | | |
| Ancient Woodland | | | | | |
| Areas of Adopted Green Belt | pg 96 | | | 1 | 1 |
| Areas of Unadopted Green Belt | pg 96 | | | | 2 |
| Areas of Outstanding Natural Beauty | | | | | |
| Environmentally Sensitive Areas | | | | | |
| Forest Parks | | | | | |
| Local Nature Reserves | pg 96 | | | | 1 |
| Marine Nature Reserves | | | | | |
| National Nature Reserves | | | | | |
| National Parks | | | | | |
| Nitrate Sensitive Areas | | | | | |
| Nitrate Vulnerable Zones | pg 96 | | | | 1 |
| Ramsar Sites | | | | | |
| Sites of Special Scientific Interest | | | | | |
| Special Areas of Conservation | | | | | |
| Special Protection Areas | | | | | |
| World Heritage Sites | | | | | |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (N) | 0 | 1 | 423451 419850 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A13NE (N) | 0 | 1 | 423451 419827 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (N) | 10 | 1 | 423451 419900 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (N) | 13 | 1 | 423450 419900 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (NE) | 34 | 1 | 423500 419900 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A13NE (N) | 60 | 1 | 423451 419950 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A13SW (W) | 108 | 1 | 423300 419800 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (N) | 110 | 1 | 423451 420000 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A13NE (N) | 111 | 1 | 423450 420000 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (N) | 118 | 1 | 423500 420000 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A13SE (SE) | 195 | 1 | 423550 419600 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A13SW (W) | 213 | 1 | 423200 419750 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (NE) | 214 | 1 | 423600 420050 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A13SE (S) | 215 | 1 | 423451 419550 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (SW) | 229 | 1 | 423200 419700 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A13SW (S) | 235 | 1 | 423350 419550 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (SW) | 252 | 1 | 423250 419600 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SW (SW) | 254 | 1 | 423200 419650 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A13SE (S) | 265 | 1 | 423450 419500 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NW (NW) | 273 | 1 | 423200 420000 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A13SW (SW) | 286 | 1 | 423200 419600 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A13NE (NE) | 292 | 1 | 423750 420000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A14NW (E) | 310 | 1 | 423800 419827 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A14NW (E) | 310 | 1 | 423800 419850 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NE (W) | 313 | 1 | 423100 419850 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A18SE (N) | 313 | 1 | 423500 420200 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A13SW (SW) | 322 | 1 | 423200 419550 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface | A13SE (SE) | 332 | 1 | 423650 419500 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12SE (SW) | 341 | 1 | 423100 419650 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A18SE (N) | 360 | 1 | 423451 420250 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A18SW (N) | 365 | 1 | 423400 420250 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A14SW (E) | 365 | 1 | 423850 419800 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12SE (SW) | 387 | 1 | 423050 419650 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A14SW (SE) | 405 | 1 | 423850 419650 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NE (W) | 409 | 1 | 423000 419827 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NE (W) | 412 | 1 | 423000 419850 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12SE (W) | 420 | 1 | 423000 419700 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A14SW (E) | 424 | 1 | 423900 419750 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A14NW (E) | 431 | 1 | 423900 420000 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12SE (W) | 434 | 1 | 423000 419650 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A18SW (NW) | 437 | 1 | 423150 420200 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A12NE (NW) | 442 | 1 | 423100 420150 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A18SW (NW) | 443 | 1 | 423200 420250 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A14NW (NE) | 449 | 1 | 423900 420050 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A12NE (NW) | 453 | 1 | 423050 420100 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A14NW (E) | 467 | 1 | 423950 419950 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A8NE (S) | 468 | 1 | 423500 419300 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A18SW (N) | 473 | 1 | 423350 420350 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A17SE (NW) | 473 | 1 | 423100 420200 |
| | BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur | A14NW (E) | 479 | 1 | 423950 420000 |
| 1 | Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Yws Unknown Sites Default Do Not Delete/Replace Site, Do Not Delete/Replace Site, Do Not Delete/Replace Site, Do Not Delete/Replace Site Authority: Environment Agency, North East Region Catchment Area: Calder Reference: 878 Permit Version: 1 Effective Date: 24th September 1958 Issued Date: 24th September 1958 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Calder Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m | A13SE (E) | 269 | 2 | 423750 419790 |
| 2 | Discharge Consents Operator: Crowroyd Farm Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Stott Ransome Colin Crowroyd Farm T, Hornhill Lees Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wa5828 Permit Version: 2 Effective Date: 3rd December 2012 Issued Date: 3rd December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Adj To Dwelling Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 100m | A8NW (SW) | 440 | 2 | 423200 419400 |
| 2 | Discharge Consents Operator: Crowroyd Farm Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Stott Ransome Colin Crowroyd Farm T, Hornhill Lees Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wa5828 Permit Version: 1 Effective Date: 4th December 1989 Issued Date: 4th December 1989 Revocation Date: 2nd December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Adj To Dwelling Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 100m | A8NW (SW) | 440 | 2 | 423200 419400 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 3 | <p>Discharge Consents</p> <p>Operator: Yorkshire Electricity Group Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Yeb 132/33 Kv Electric Substation Ex Thornhill Power Station, Ravensthorpe Road, Dewsbury, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: C5206 Permit Version: 2 Effective Date: 26th July 2012 Issued Date: 26th July 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land Adj Electricity Substaton Status: Transferred from COPA 1974 Positional Accuracy: Approximate location provided by supplier</p> | A12NE (W) | 450 | 2 | 423000 420000 |
| 3 | <p>Discharge Consents</p> <p>Operator: Yorkshire Electricity Group Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Yeb 132/33 Kv Electric Substation Ex Thornhill Power Station, Ravensthorpe Road, Dewsbury, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: C5206 Permit Version: 1 Effective Date: 8th August 1988 Issued Date: 8th August 1988 Revocation Date: 25th July 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land Adj Electricity Substaton Status: Transferred from COPA 1974 Positional Accuracy: Approximate location provided by supplier</p> | A12NE (W) | 450 | 2 | 423000 420000 |
| 4 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Fiddlers Hill, Thornhill Lees, Dewsbury, West Yorkshire, Wf12 9hd Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: Eprup3221xk Permit Version: 1 Effective Date: 4th August 2016 Issued Date: 4th August 2016 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of River Calder Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p> | A14SW (SE) | 454 | 2 | 423847 419547 |
| 5 | <p>Discharge Consents</p> <p>Operator: Newlay Concrete Limited Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Forge Lane Quarry, Land Adjacent To Forge Lane, Dewsbury, West Yorkshire, Wf12 9bu Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: Eprab3499ev Permit Version: 1 Effective Date: 5th September 2014 Issued Date: 18th June 2014 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge Environment: Freshwater Stream/River Receiving Water: River Calder Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p> | A18SE (N) | 573 | 2 | 423540 420457 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 5 | <p>Discharge Consents</p> <p>Operator: Newlay Concrete Limited Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Forge Lane Quarry, Land Adjacent To Forge Lane, Dewsbury, West Yorkshire, Wf12 9bu Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: Eprab3499ev Permit Version: 1 Effective Date: 5th September 2014 Issued Date: 18th June 2014 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p> | A18SE (N) | 598 | 2 | 423553 420480 |
| 6 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Brewery Lane Cso, Brewery Lane, Dewsbury, West Yorkshire, Wf12 9hu Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wadc745 Permit Version: 3 Effective Date: 24th March 2017 Issued Date: 24th March 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Culverted Trib Of River Calder Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p> | A14NW (E) | 581 | 2 | 424038 420061 |
| 7 | <p>Discharge Consents</p> <p>Operator: Techfill Ltd Property Type: Undefined Or Other Location: Techfill Ltd, Old Transformer House,, Calder Road, Ravensthorpe, Consent, No Wra7122 Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7122 Permit Version: 1 Effective Date: 6th January 1995 Issued Date: 6th January 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p> | A12NE (NW) | 596 | 2 | 422900 420130 |
| 8 | <p>Discharge Consents</p> <p>Operator: Demex Ltd Property Type: Undefined Or Other Location: Tarmac Roadstone Limited Thornhill, Sand And Gravel Works Ravensthor, Pe Dewsbury Authority: Environment Agency, North East Region Catchment Area: Calder Reference: C5504 Permit Version: 1 Effective Date: 28th April 1989 Issued Date: 28th April 1989 Revocation Date: 1st October 1996 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m</p> | A17SE (NW) | 623 | 2 | 423100 420400 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 9 | <p>Discharge Consents</p> <p>Operator: Demex Ltd Property Type: Undefined Or Other Location: Thornhill Sand And Gravel Clader Road, Ravensthorpe, Dewsbury, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7279 Permit Version: 1 Effective Date: 28th January 1997 Issued Date: 28th January 1997 Revocation Date: 9th March 2000 Discharge Type: Trade Discharges - Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Calder Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 639 | 2 | 423150 420450 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Spenborough Sps Storm Tank Site Smithies Lane, Liversedge, Cleckheaton, West Yorkshire, Wf16 0pn Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Npswqd009808 Permit Version: 1 Effective Date: 15th March 2010 Issued Date: 15th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder And River Spen Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 674 | 2 | 423150 420490 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Spenborough Sps Storm Tank Site Smithies Lane, Liversedge, Cleckheaton, West Yorkshire, Wf16 0pn Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Npswqd009808 Permit Version: 1 Effective Date: 15th March 2010 Issued Date: 15th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder And River Spen Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 674 | 2 | 423150 420490 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spen Valley Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire, Wf13 3rd Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7549 Permit Version: 3 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: R. Calder/R. Spen/Hunsworth Bk Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spen Valley Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire, Wf13 3rd</p> <p>Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7549 Permit Version: 3 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: R. Calder/R. Spen/Hunsworth Bk Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spen Valley Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire, Wf13 3rd</p> <p>Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7549 Permit Version: 2 Effective Date: 31st March 2010 Issued Date: 25th February 2005 Revocation Date: 18th September 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: R. Calder/R. Spen/Hunsworth Bk Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spen Valley Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire, Wf13 3rd</p> <p>Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7549 Permit Version: 2 Effective Date: 31st March 2010 Issued Date: 25th February 2005 Revocation Date: 18th September 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: R. Calder/R. Spen/Hunsworth Bk Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spen Valley Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire, Wf13 3rd</p> <p>Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7549 Permit Version: 1 Effective Date: 1st April 2000 Issued Date: 25th October 1999 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: R. Calder/R. Spen/Hunsworth Bk Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spen Valley Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire, Wf13 3rd Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7549 Permit Version: 1 Effective Date: 1st April 2000 Issued Date: 25th October 1999 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: R. Calder/R. Spen/Hunsworth Bk Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: North Bierley Wwtw, Cliffe Hollins Lane, Bradford, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E14 Permit Version: 12 Effective Date: 25th October 1999 Issued Date: 25th October 1999 Revocation Date: 31st March 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder & Hunsworth Beck Status: Consent expired Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spenborough Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E56 Permit Version: 6 Effective Date: 1st July 1999 Issued Date: 1st July 1999 Revocation Date: 31st March 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder And Spen River Status: Consent expired Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spenborough Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E56 Permit Version: 6 Effective Date: 1st July 1999 Issued Date: 1st July 1999 Revocation Date: 31st March 2000 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder And Spen River Status: Consent expired Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: North Bierley Wwtw, Cliffe Hollins Lane, Bradford, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E14 Permit Version: 11 Effective Date: 30th March 1999 Issued Date: 16th March 1999 Revocation Date: 24th October 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder & Hunsworth Beck Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: North Bierley Wwtw, Cliffe Hollins Lane, Bradford, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E14 Permit Version: 10 Effective Date: 16th March 1999 Issued Date: 16th March 1999 Revocation Date: 29th March 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder & Hunsworth Beck Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spenborough Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E56 Permit Version: 7 Effective Date: 16th November 1998 Issued Date: 22nd October 1998 Revocation Date: 30th June 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder And Spen River Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Spenborough Wwtw The Bottoms, Smithies Lane, Heckmondwike, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E56 Permit Version: 7 Effective Date: 16th November 1998 Issued Date: 22nd October 1998 Revocation Date: 30th June 1999 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder And Spen River Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Undefined Or Other Location: North Bierley Wpc Works Storm Tanks Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E14 Permit Version: 7 Effective Date: 5th August 1997 Issued Date: 31st May 1997 Revocation Date: 24th August 1998 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |
| 9 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Undefined Or Other Location: North Bierley Wpc Works Storm Tanks Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E14 Permit Version: 9 Effective Date: 22nd December 1998 Issued Date: 31st May 1997 Revocation Date: 15th March 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |
| 10 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Brewery Lane Cso, Brewery Lane, Dewsbury, West Yorkshire, Wf12 9hu Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wadc745 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 23rd March 2017 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 10m</p> | A14NE (E) | 647 | 2 | 424130 419960 |
| 10 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Brewery Lane Cso, Brewery Lane, Dewsbury, West Yorkshire, Wf12 9hu Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wadc745 Permit Version: 1 Effective Date: 18th September 1989 Issued Date: 18th September 1989 Revocation Date: 13th April 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 100m</p> | A14NE (E) | 647 | 2 | 424130 419960 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 11 | <p>Discharge Consents</p> <p>Operator: Spenborough Commercials Ltd Property Type: Undefined Or Other Location: Spenborough Commercials Ltd, Ravens, Thorpe Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra7223 Permit Version: 1 Effective Date: 23rd July 1996 Issued Date: 23rd July 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Calder Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p> | A12NW (W) | 706 | 2 | 422720 419950 |
| 12 | <p>Discharge Consents</p> <p>Operator: Newlay Tiles Ltd Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North East Region Catchment Area: Calder Reference: 44291285 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 10th January 1980 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A12NW (W) | 833 | 2 | 422601 420001 |
| 13 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Scouthill Cso, Dewsbury, West Yorkshire, Wf13 3ej Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wadc1314 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 23rd March 2017 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Spen Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 10m</p> | A17NE (NW) | 978 | 2 | 422940 420720 |
| 13 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Scouthill Cso, Dewsbury, West Yorkshire, Wf13 3ej Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wadc1314 Permit Version: 1 Effective Date: 18th September 1989 Issued Date: 18th September 1989 Revocation Date: 13th April 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Spen Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 100m</p> | A17NE (NW) | 978 | 2 | 422940 420720 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 13 | <p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Scouthill Cso, Dewsbury, West Yorkshire, Wf13 3ej Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wadc1314 Permit Version: 3 Effective Date: 24th March 2017 Issued Date: 24th March 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Spen River Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p> | A17NE (NW) | 979 | 2 | 422946 420725 |
| 14 | <p>Integrated Pollution Controls</p> <p>Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station, Ravensthorpe Road, Thornhill, Dewsbury, West Yorkshire, Wf12 9ex Authority: Environment Agency, North East Region Permit Reference: By4521 Dated: 24th November 2004 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the road within the address or location</p> | A12SE (W) | 373 | 2 | 423036 419810 |
| 15 | <p>Integrated Pollution Controls</p> <p>Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station, Ravensthorpe Road, DEWSBURY, West Yorkshire, WF12 9EX Authority: Environment Agency, North East Region Permit Reference: BC0979 Dated: 23rd September 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p> | A12NW (W) | 755 | 2 | 422678 419985 |
| 15 | <p>Integrated Pollution Controls</p> <p>Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station, Ravensthorpe Road, Thornhill, DEWSBURY, West Yorkshire, WF12 9EF Authority: Environment Agency, North East Region Permit Reference: BG8858 Dated: 1st October 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p> | A12NW (W) | 756 | 2 | 422678 419990 |
| 15 | <p>Integrated Pollution Controls</p> <p>Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station, Ravensthorpe Road, DEWSBURY, West Yorkshire, WF12 9EX Authority: Environment Agency, North East Region Permit Reference: BE6315 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p> | A12NW (W) | 759 | 2 | 422673 419985 |
| 15 | <p>Integrated Pollution Controls</p> <p>Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station, Ravensthorpe Road, Thornhill, DEWSBURY, West Yorkshire, WF12 9EF Authority: Environment Agency, North East Region Permit Reference: AU2131 Dated: 16th February 1996 Process Type: IPC new application Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p> | A12NW (W) | 761 | 2 | 422673 419990 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 16 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Demex Limited Location: Thornhill Quarry Landfill Epr/Lp3330xp, Thornhill Quarry Landfill Site, Calder Road,Ravensthorpe,, Dewsbury, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: QP3536RE Original Permit Ref: Lp3330xp Effective Date: 20th January 2016 Status: Effective Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Located by supplier to within 10m Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y</p> | A18SW (NW) | 332 | 2 | 423280 420170 |
| 16 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Demex Limited Location: Thornhill Quarry Landfill Epr/Lp3330xp, Thornhill Quarry Landfill Site, Calder Road,Ravensthorpe,, Dewsbury, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: LP3330XP Original Permit Ref: Lp3330xp Effective Date: 5th March 2010 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y</p> | A18SW (NW) | 332 | 2 | 423280 420170 |
| 17 | <p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station Epr/Jp3430lc, Thornhill Power Station, Calder Road,Ravensthorpe,, DEWSBURY, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: DP3932ZH Original Permit Ref: Jp3430lc Effective Date: 11th March 2013 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p> | A12NE (NW) | 583 | 2 | 422935 420161 |
| 17 | <p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station Epr/Jp3430lc, Thornhill Power Station, Calder Road,Ravensthorpe,, DEWSBURY, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: LP3935NC Original Permit Ref: Jp3430lc Effective Date: Not Supplied Status: Valid Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p> | A12NE (NW) | 583 | 2 | 422935 420161 |
| 18 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Whitetower Energy Limited Location: Thornhill Power Station - Epr/Rp3607sa, Thornhill Power Station, Calder Road,Ravensthorpe,, DEWSBURY, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: AP3903MW Original Permit Ref: Jp3430lc Effective Date: 14th December 2021 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 100m Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N</p> | A12NE (NW) | 614 | 2 | 422860 420090 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 18 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Whitetower Energy Limited Location: Thornhill Power Station Epr/Jp3430lc, Thornhill Power Station, Calder Road,Ravensthorpe,, DEWSBURY, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: RP3607SA Original Permit Ref: Rp3607sa Effective Date: 4th January 2021 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Located by supplier to within 100m Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p> | A12NE (NW) | 614 | 2 | 422860 420090 |
| 18 | <p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station Epr/Jp3430lc, Thornhill Power Station, Calder Road,Ravensthorpe,, DEWSBURY, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: MP3804PK Original Permit Ref: Jp3430lc Effective Date: 19th June 2019 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p> | A12NE (NW) | 614 | 2 | 422860 420090 |
| 18 | <p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station Epr/Jp3430lc, Thornhill Power Station, Calder Road,Ravensthorpe,, DEWSBURY, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: TP3738AT Original Permit Ref: Jp3430lc Effective Date: 1st January 2016 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p> | A12NE (NW) | 614 | 2 | 422860 420090 |
| 19 | <p>Integrated Pollution Prevention And Control</p> <p>Name: William S Graham & Sons (Dewsbury) Limited Location: Ravens Ing Mills Epr/Br4942iy, Ravens Ing Mills, Ravensthorpe,, DEWSBURY, West Yorkshire, WF13 3JE Authority: Environment Agency, North East Region Permit Reference: Bu9394iu Original Permit Ref: Br4942iy Effective Date: 20th June 2003 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A17SE (NW) | 727 | 2 | 422977 420436 |
| 19 | <p>Integrated Pollution Prevention And Control</p> <p>Name: William S Graham And Sons (Dewsbury) Ltd Location: Ravens Ing Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JF Authority: Environment Agency, North East Region Permit Reference: Br4942 Original Permit Ref: Br4942 Effective Date: 31st March 2003 Status: Superseded By Variation Application Type: PPC APPLICATION App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Not Supplied</p> | A17SE (NW) | 727 | 2 | 422977 420436 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 19 | <p>Integrated Pollution Prevention And Control</p> <p>Name: William S Graham & Sons (Dewsbury) Limited Location: Ravens Ing Mills Epr/Br4942iy, Ravens Ing Mills, Ravensthorpe,, DEWSBURY, West Yorkshire, WF13 3JE Authority: Environment Agency, North East Region Permit Reference: Br4942iy Original Permit Ref: Br4942iy Effective Date: 31st March 2003 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A17SE (NW) | 727 | 2 | 422977 420436 |
| 19 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Lawton Yarns Limited Location: Lawton Yarns Limited Bp3731zs, Ravens Ing Mills, Ravensthorpe,, DEWSBURY, West Yorkshire, WF13 3JE Authority: Environment Agency, North East Region Permit Reference: TP3206PG Original Permit Ref: Tp3206pg Effective Date: 22nd August 2019 Status: Effective Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Located by supplier to within 10m Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A17SE (NW) | 749 | 2 | 422960 420450 |
| 19 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Lawton Yarns Limited Location: Ravens Ing Mills Epr/Bp3731zs, Ravens Ing Mills, Ravensthorpe,, DEWSBURY, West Yorkshire, WF13 3JE Authority: Environment Agency, North East Region Permit Reference: BP3731ZS Original Permit Ref: Bp3731zs Effective Date: 1st March 2013 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Located by supplier to within 10m Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A17SE (NW) | 749 | 2 | 422960 420450 |
| 20 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Demex Ltd Location: Calder Road, Ravensthorpe, Dewsbury, West Yorkshire, Wf12 6ea Authority: Environment Agency, North East Region Permit Reference: Bv1658 Original Permit Ref: Bv1658 Effective Date: Not Supplied Status: Application refused Application Type: PPC APPLICATION App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Not Supplied</p> | A12NW (W) | 786 | 2 | 422654 420018 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 21 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Calder Textiles Limited Location: Dewsbury Mills - Epr/Br5035it, Anchor House, Dewsbury Mills, Thornhill Road,, DEWSBURY, West Yorkshire, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: CP3836GD Original Permit Ref: Br5035it Effective Date: 24th February 2009 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 100m Activity Code: 6.4 Part A (1) a) 2017 Activity Description: Pre-treating or dyeing fibres or textiles >10 tpd Primary Activity: N Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A19SW (NE) | 814 | 2 | 424000 420500 |
| 21 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Calder Textiles Limited Location: CALDER TEXTILES LTD, ANCHOR HOUSE,DEWSBURY MILLS, THORNHILL ROAD,, DEWSBURY, WEST YORKSHIRE, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: JP3139GR Original Permit Ref: Br5035it Effective Date: 3rd November 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A19SW (NE) | 828 | 2 | 424021 420501 |
| 21 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Calder Textiles Limited Location: CALDER TEXTILES LTD, ANCHOR HOUSE,DEWSBURY MILLS, THORNHILL ROAD,, DEWSBURY, WEST YORKSHIRE, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: SP3836XU Original Permit Ref: Br5035it Effective Date: 14th April 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A19SW (NE) | 828 | 2 | 424021 420501 |
| 21 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Calder Textiles Limited Location: CALDER TEXTILES LTD, ANCHOR HOUSE,DEWSBURY MILLS, THORNHILL ROAD,, DEWSBURY, WEST YORKSHIRE, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: HP3532UB Original Permit Ref: Br5035it Effective Date: 4th October 2007 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A19SW (NE) | 828 | 2 | 424021 420501 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 21 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Calder Textiles Limited Location: CALDER TEXTILES LTD, ANCHOR HOUSE,DEWSBURY MILLS, THORNHILL ROAD,, DEWSBURY, WEST YORKSHIRE, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: Bu9181ia Original Permit Ref: Br5035it Effective Date: 27th June 2003 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A19SW (NE) | 828 | 2 | 424021 420501 |
| 21 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Calder Textiles Limited Location: CALDER TEXTILES LTD, ANCHOR HOUSE,DEWSBURY MILLS, THORNHILL ROAD,, DEWSBURY, WEST YORKSHIRE, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: Br5035it Original Permit Ref: Br5035it Effective Date: 24th March 2003 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A19SW (NE) | 828 | 2 | 424021 420501 |
| 21 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Calder Textiles Ltd Location: ANCHOR HOUSE,DEWSBURY MILLS,TH, DEWSBURY, DEWSBURY, West Yorkshire, WF12 9QE Authority: Environment Agency, North East Region Permit Reference: Br5035 Original Permit Ref: Br5035 Effective Date: 24th March 2003 Status: Superseded By Variation Application Type: PPC APPLICATION App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (C) Activity Description: Coating, Printing And Textiles; Treating Textiles Releasing Any Scheduled Substance Into Water Primary Activity: Not Supplied</p> | A19NW (NE) | 834 | 2 | 424014 420515 |
| 22 | <p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Cogeneration Ltd Location: Thornhill Power Station Epr/Jp3430lc, Thornhill Power Station, Calder Road,Ravensthorpe,, DEWSBURY, West Yorkshire, WF12 9EA Authority: Environment Agency, North East Region Permit Reference: JP3430LC Original Permit Ref: Jp3430lc Effective Date: 30th November 2006 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p> | A12NW (W) | 852 | 2 | 422611 420106 |
| 23 | <p>Integrated Pollution Prevention And Control</p> <p>Name: S. Lyles, Sons & Co Ltd Location: Calder Bank Textile Mill, Calder Bank Mills, Calder Bank Road, Dewsbury, West Yorkshire, WF12 9QW Authority: Environment Agency, North East Region Permit Reference: QP3739LR Original Permit Ref: Qp3739lr Effective Date: 23rd August 2006 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A18NE (N) | 864 | 2 | 423681 420724 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 24 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Ulster Yarn Ltd Location: Riverstone Spinning, Ravensthorpe Mills, Huddersfield Road,, DEWSBURY, West Yorkshire, WF13 3NA Authority: Environment Agency, North East Region Permit Reference: KP3931EA Original Permit Ref: Br5051il Effective Date: 27th February 2014 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: N</p> | A17SW (NW) | 916 | 2 | 422615 420274 |
| 24 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Ulster Yarn Ltd Location: Ravensthorpe Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3NA Authority: Environment Agency, North East Region Permit Reference: LP3634UF Original Permit Ref: Br5051il Effective Date: 30th July 2007 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A17SW (NW) | 916 | 2 | 422615 420274 |
| 24 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Riverstone Spinning Ltd Location: Ravensthorpe Mills, Huddersfield Road, DEWSBURY, West Yorkshire, WF13 3NA Authority: Environment Agency, North East Region Permit Reference: Np3239lx Original Permit Ref: Br5051il Effective Date: 5th January 2006 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A17SW (NW) | 916 | 2 | 422615 420274 |
| 24 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Riverstone Spinning Ltd Location: Riverstone Spinning, Ravensthorpe Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3NA Authority: Environment Agency, North East Region Permit Reference: Bu9360ia Original Permit Ref: Br5051il Effective Date: 1st July 2003 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A17SW (NW) | 916 | 2 | 422615 420274 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 24 | <p>Integrated Pollution Prevention And Control</p> <p>Name: Riverstone Spinning Ltd Location: Riverstone Spinning, Ravensthorpe Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3NA Authority: Environment Agency, North East Region Permit Reference: Br5051il Original Permit Ref: Br5051il Effective Date: 2nd April 2003 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y</p> | A17SW (NW) | 916 | 2 | 422615 420274 |
| 25 | <p>Local Authority Integrated Pollution Prevention And Control</p> <p>Name: British Millerrain Co Ltd Location: Calder Works, Thornhill Road, Dewsbury, WF12 9QQ Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: IPPC E 135 Dated: Not Supplied Process Type: Other Activities Description: Fabric Coating Status: Permit Issued Positional Accuracy: Manually positioned to the address or location</p> | A18NE (N) | 863 | 3 | 423683 420722 |
| 26 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: Lafarge Aggregates Ltd Location: Lees Hall Road, Dewsbury, WF12 9EQ Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Ppc E 22 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned to the address or location</p> | A13SW (S) | 0 | 3 | 423443 419802 |
| 26 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: Redland Readymix Ltdnow Lafarge Location: Steetley Quarry Products Ltd, Lees Hall Road, DEWSBURY, WEST YORKSHIRE, WF12 9EQ Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location</p> | A13SW (S) | 5 | 3 | 423431 419770 |
| 27 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: C R Longley & Co Location: Ravensthorpe Road, Thornhill Lees, Dewsbury, WF12 9EF Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC E 157 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Manually positioned to the address or location</p> | A12NE (W) | 400 | 3 | 423011 419839 |
| 27 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: C R Longley & Co Location: Ravensthorpe Road, Thornhill Lees, Dewsbury, Wf12 9ef Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Ppc E 9(1) Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned to the address or location</p> | A12NE (W) | 400 | 3 | 423011 419839 |
| 28 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: Austin Trueman Steel Location: Thornhill Steelworks, Forge Lane, DEWSBURY, West Yorkshire, WF12 9EH Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/33 Wood coating Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location</p> | A14NW (NE) | 589 | 3 | 424023 420116 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 29 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: Ravensthorpe Service Station Location: Huddersfield Road, Ravensthorpe, Dewsbury, West Yorkshire, WF13 3JE Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC E 126 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 775 | 3 | 422891 420419 |
| 30 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: Newlay Concrete Location: Thornhill Works, Calder Road, DEWSBURY, WF12 9HY Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Ppc E 16 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/1 Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned to the address or location</p> | A12NW (W) | 777 | 3 | 422649 419960 |
| 31 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: The Autocentre (Dewsbury) Ltd Location: 299 Huddersfield Road, Scout Hill, Dewsbury, Wf13 3rw Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC E 158 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/1 Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Manually positioned to the address or location</p> | A18NW (N) | 806 | 3 | 423180 420646 |
| 32 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: Johnson Cleaners Uk Ltd Location: 487 Huddersfield Road, Ravensthorpe, Dewsbury, WF13 3JJ Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC E 145 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location</p> | A17SE (NW) | 846 | 3 | 422784 420402 |
| 33 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: British Millerrain Co Ltd Location: Calder Works, Thornhill Road, Dewsbury, Wf12 9qq Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: lppc E 135 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/8 Textile and fabric coating of finishing processes Status: Transferred to LAIPPC Positional Accuracy: Manually positioned to the address or location</p> | A18NE (N) | 863 | 3 | 423683 420722 |
| 33 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: Carrington Performance Fabrics Ltd Location: Calder Works, Thornhill Road, DEWSBURY, West Yorkshire, WF12 9QQ Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Epa E 52 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/8 Textile and fabric coating of finishing processes Status: Not Supplied Positional Accuracy: Manually positioned to the address or location</p> | A18NE (N) | 877 | 3 | 423692 420735 |
| 34 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: Paintshop Northern Location: Unit 7 Netherfield Mills, Calder Road, RAVENSTHORPE, WF13 3JS Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location</p> | A17SW (W) | 945 | 3 | 422546 420196 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 35 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: Stevro LimitedT/A Jay-Be Location: Dewsbury Mills, Thornhill Road, DEWSBURY, West Yorkshire, WF12 9QE Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Ppc E 119 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/31 Powder coating processes (including sheradizing) Status: Permitted Positional Accuracy: Automatically positioned to the address</p> | A19NW (NE) | 970 | 3 | 424047 420660 |
| 36 | <p>Local Authority Pollution Prevention and Controls</p> <p>Name: Hutchinson Demolition & Dismantling Ltd Location: Netherfield Works, Calder Road, Ravensthorpe, Dewsbury, Wf13 3js Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC E 161 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Permitted Positional Accuracy: Manually positioned to the road within the address or location</p> | A17SW (NW) | 979 | 3 | 422534 420254 |
| | <p>Nearest Surface Water Feature</p> | A13NW (NW) | 178 | - | 423281 419949 |
| 37 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Miscellaneous Premises: Unknown Location: Calder & Hebble Canal Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 28th February 1993 Incident Reference: 141352 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p> | A14NW (E) | 528 | 2 | 424001 420001 |
| 38 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Miscellaneous Premises: Unknown Location: /bridge Saville Town Calder 27, HORBURY BRIDGE Authority: Environment Agency, North East Region Pollutant: Rubbish Note: Not Supplied Incident Date: 30th August 1990 Incident Reference: 114099 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p> | A14SW (E) | 532 | 2 | 424000 419700 |
| 39 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial Premises Location: Road Bridge B6117, /Battayeford Bridge Calder 04C Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Not Supplied Incident Date: 24th June 1991 Incident Reference: 123728 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p> | A17SE (NW) | 540 | 2 | 423100 420295 |
| 39 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial Premises Location: Mouth/Todmorden Calder AfI Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 18th December 1990 Incident Reference: 118174 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p> | A17SE (NW) | 544 | 2 | 423100 420300 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 40 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Textile industry Location: Ravens Ing Mills, DEWSBURY Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Watercourse :River Calder; From Thornhill Flood Lock To Spen Beck Incident Date: 23rd April 1998 Incident Reference: SL980301 Catchment Area: Calder Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p> | A18SW (NW) | 567 | 2 | 423200 420395 |
| 40 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Construction/Demolition Location: /road Bridge B6117 Calder 03c, HORBURY BRIDGE Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 28th November 1994 Incident Reference: 153583 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p> | A18SW (NW) | 572 | 2 | 423200 420400 |
| 41 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial Premises Location: Rail Bridge/Bridge And Weir Calder 34 Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Not Supplied Incident Date: 20th April 1992 Incident Reference: 132287 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p> | A17SE (NW) | 616 | 2 | 423105 420395 |
| 42 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: DEWSBURY Authority: Environment Agency, North East Region Pollutant: Oils - Waste Oil Note: Pollution Found; Fish Killed: No Information Incident Date: 23rd August 1996 Incident Reference: SL960961 Catchment Area: Calder Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p> | A18SE (N) | 627 | 2 | 423600 420500 |
| 43 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Gomersal Spen Afl Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 4th February 1991 Incident Reference: 119501 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p> | A18SW (N) | 656 | 2 | 423205 420495 |
| 43 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Gomersal Spen Afl Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 31st January 1991 Incident Reference: 119502 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p> | A18SW (N) | 658 | 2 | 423200 420495 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 43 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial Premises Location: Mouth/Gomersal Spen Afl Authority: Environment Agency, North East Region Pollutant: Industrial Effluent Note: Not Supplied Incident Date: 16th June 1994 Incident Reference: 152285 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p> | A18SW (N) | 662 | 2 | 423200 420500 |
| 44 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Island View Weir, River Calder, DEWSBURY Authority: Environment Agency, North East Region Pollutant: Rubbish Note: Pollution Found; No Fish Killed Incident Date: Not Supplied Incident Reference: SL961145 Catchment Area: Calder Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p> | A18SE (N) | 657 | 2 | 423700 420500 |
| 45 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Fire Water Location: River Spen At , RAVENSTHORPE Authority: Environment Agency, North East Region Pollutant: Unknown Note: Spen Beck/Dean Beck; Fish Killed: No Information Incident Date: Not Supplied Incident Reference: SL981069 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p> | A17SE (NW) | 707 | 2 | 423100 420500 |
| 46 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial Premises Location: Road Bridge B6117, /Battieford Bridge Calder 04C Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Fire water / Foam Note: Not Supplied Incident Date: 15th June 1994 Incident Reference: 152264 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p> | A18NW (N) | 708 | 2 | 423400 420595 |
| 46 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial Premises Location: Road Bridge B6117, /Battieford Bridge Calder 04C Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Fire water / Foam Note: Not Supplied Incident Date: 15th June 1994 Incident Reference: 152263 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p> | A18NW (N) | 713 | 2 | 423400 420600 |
| 47 | <p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Other General Premises Location: Rd Brdg B6117/Old Metal Brdg Calder 30 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 27th July 1990 Incident Reference: 113160 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p> | A19SW (NE) | 746 | 2 | 424100 420295 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 47 | Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Road Bridge B6117, /BattyeFord Bridge Calder 04C Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 8th March 1994 Incident Reference: 150164 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m | A19SW (NE) | 749 | 2 | 424100 420300 |
| 48 | Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Mouth/Gomersal Spen Afl Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Fire water / Foam Note: Not Supplied Incident Date: 22nd July 1992 Incident Reference: 135029 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m | A17SE (NW) | 763 | 2 | 423000 420500 |
| 49 | Pollution Incidents to Controlled Waters Property Type: Highway/Car Park Location: Calder & Hebble Canal Authority: Environment Agency, North East Region Pollutant: Oils - Other Fuel Oil Note: Not Supplied Incident Date: 4th April 1993 Incident Reference: 142047 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A17SW (NW) | 806 | 2 | 422700 420200 |
| 50 | Pollution Incidents to Controlled Waters Property Type: Textile industry Location: Spen Beck, RAVENSTHORPE Authority: Environment Agency, North East Region Pollutant: Other Chemicals Note: No Fish Killed Incident Date: 18th September 1997 Incident Reference: SL970916 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A17NE (NW) | 819 | 2 | 423050 420600 |
| 51 | Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Foul Sewer Location: Huddersfield Road, DEWSBURY Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: Spen Beck/Dean Beck; No Fish Killed Incident Date: Not Supplied Incident Reference: SL980776 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m | A18NW (N) | 820 | 2 | 423150 420650 |
| 52 | Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Mouth/Todmorden Calder Afl Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 11th August 1989 Incident Reference: 102360 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A12NW (W) | 861 | 2 | 422600 420100 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 53 | Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Ravensthorpe & Mirfield Authority: Environment Agency, North East Region Pollutant: Rubbish Note: River Calder; Fish Killed: No Information Incident Date: Not Supplied Incident Reference: SL990007 Catchment Area: Calder Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A12NW (W) | 929 | 2 | 422501 419996 |
| 53 | Pollution Incidents to Controlled Waters Property Type: Textile industry Location: Calder & Hebble Navigation, Down Stream Greenwood Lock Authority: Environment Agency, North East Region Pollutant: Rubbish Note: River Calder; No Fish Killed Incident Date: Not Supplied Incident Reference: SL980740 Catchment Area: Calder Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m | A12NW (W) | 930 | 2 | 422501 420001 |
| 54 | Prosecutions Relating to Authorised Processes Location: Forge Lane, Dewsbury Prosecution Text: Operating an illegal waste site - Prison sentences served Prosecution Act: Epr07 Hearing Date: 13th March 2012 Verdict: Guilty Fine: 0 Costs: 0 Positional Accuracy: Manually positioned to the road within the address or location | A13NE (NE) | 176 | 2 | 423657 419922 |
| 55 | Prosecutions Relating to Authorised Processes Location: Ravenswharfe Road, Scout Hill, Dewsbury Prosecution Text: Operating an illegal waste site - Prison sentences served Prosecution Act: Epr07 Hearing Date: 13th March 2012 Verdict: Guilty Fine: 0 Costs: 0 Positional Accuracy: Manually positioned to the road within the address or location | A18NW (N) | 741 | 2 | 423202 420585 |
| | River Quality Name: Calder_&_Hebble_Navigatio GQA Grade: River Quality C Reach: River_Calder_At_Thor_River_Calder_At_Hor Estimated Distance (km): 3.9 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000 | A13NE (N) | 84 | 2 | 423499 419964 |
| | River Quality Name: River_Calder GQA Grade: River Quality C Reach: Thornhill_Flood_Lock_Spen_Bec Estimated Distance (km): .2 Flow Rate: Flow less than 10 cumecs Flow Type: River Year: 2000 | A17SE (NW) | 543 | 2 | 423077 420278 |
| | River Quality Name: Spen_Beck/Dean_Beck GQA Grade: River Quality E Reach: U/S_Spenborough_River_Calde Estimated Distance (km): 3.3 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000 | A17SE (NW) | 553 | 2 | 423097 420309 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | River Quality Name: River_Calder GQA Grade: River Quality D Reach: Spen_Beck_Batley_Bec Estimated Distance (km): 2.9 Flow Rate: Flow less than 10 cumecs Flow Type: River Year: 2000 | A17SE (NW) | 553 | 2 | 423097 420309 |
| | River Quality Name: River_Calder GQA Grade: River Quality C Reach: Greenwood_Lock_Thornhill_Flood_Loc Estimated Distance (km): 1 Flow Rate: Flow less than 10 cumecs Flow Type: River Year: 2000 | A17SE (NW) | 562 | 2 | 423009 420228 |
| 56 | River Quality Chemistry Sampling Points Name: River Calder Reach: Chickenley Beck Mitchell Laitnes Estimated Distance: 1.10 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied | A19SW (NE) | 744 | 2 | 424092 420303 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 56 | <p>River Quality Chemistry Sampling Points</p> <p>Name: River Calder Reach: Batley Beck To Chickenley Beck Estimated Distance: 2.10 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied</p> | A19SW (NE) | 744 | 2 | 424092 420303 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 56 | <p>River Quality Chemistry Sampling Points</p> <p>Name: River Calder Reach: Spen Beck To Batley Beck Estimated Distance: 2.90 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied</p> | A19SW (NE) | 744 | 2 | 424092 420303 |
| 57 | <p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 7th February 2010 Incident Reference: 751593 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Smoke</p> | A18NW (N) | 712 | 2 | 423290 420582 |
| 58 | <p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 19th December 2002 Incident Reference: 126746 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Smoke</p> | A17SE (NW) | 757 | 2 | 422777 420237 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 59 | Substantiated Pollution Incident Register Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 21st January 2002 Incident Reference: 53563 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Chemically Contaminated Run-Off | A19SW (NE) | 888 | 2 | 424113 420498 |
| 60 | Substantiated Pollution Incident Register Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 1st August 2018 Incident Reference: 1639455 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert Materials And Wastes: Soils And Clay | A14SE (E) | 959 | 2 | 424437 419709 |
| 61 | Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 2/27/13/230 Permit Version: 2 Location: River Calder - Dewsbury Authority: Environment Agency, North East Region Abstraction: Extractive: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Forge Mill Quarry, Forge Lane, Dewsbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | A19SW (NE) | 548 | 2 | 423890 420240 |
| 61 | Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 2/27/13/230 Permit Version: 2 Location: River Calder - Dewsbury Authority: Environment Agency, North East Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Forge Mill Quarry, Forge Lane, Dewsbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | A19SW (NE) | 548 | 2 | 423890 420240 |
| 61 | Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 2/27/13/230 Permit Version: 1 Location: River Calder - Dewsbury Authority: Environment Agency, North East Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Forge Mill Quarry, Forge Lane, Dewsbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 7th July 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | A19SW (NE) | 548 | 2 | 423890 420240 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 61 | <p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Ltd Licence Number: 2/27/13/230 Permit Version: 1 Location: River Calder - Dewsbury Authority: Environment Agency, North East Region Abstraction: Extractive: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Forge Mill Quarry, Forge Lane, Dewsbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 7th July 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A19SW (NE) | 548 | 2 | 423890 420240 |
| 62 | <p>Water Abstractions</p> <p>Operator: British Waterways Board Licence Number: 2/27/13/119 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 73 Yearly Rate (m3): 18329 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A17SE (NW) | 614 | 2 | 423030 420330 |
| 63 | <p>Water Abstractions</p> <p>Operator: Canal And River Trust Licence Number: 2/27/13/179 Permit Version: 101 Location: River Calder - Thornhill Power Station - Dewsbury Authority: Environment Agency, North East Region Abstraction: Amenity: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Thornhill Power Station, Thornhill, Raventhorpe, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st January 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A12NE (NW) | 663 | 2 | 422830 420140 |
| 63 | <p>Water Abstractions</p> <p>Operator: British Waterways Licence Number: 2/27/13/179 Permit Version: 100 Location: River Calder - Thornhill Power Station - Dewsbury Authority: Environment Agency, North East Region Abstraction: Amenity: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 70800 Yearly Rate (m3): 25842000 Details: Thornhill Power Station, Thornhill, Raventhorpe, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th August 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A12NE (NW) | 663 | 2 | 422830 420140 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 63 | <p>Water Abstractions</p> <p>Operator: Central Electricity Generating Board Licence Number: 2/27/13/101 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Cooling/Gen Ind. Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 9092000 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A12NE (NW) | 673 | 2 | 422800 420100 |
| 64 | <p>Water Abstractions</p> <p>Operator: Wormalds & Walker Ltd Licence Number: 2/27/13/035 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Licence Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A19SW (NE) | 670 | 2 | 424000 420300 |
| 65 | <p>Water Abstractions</p> <p>Operator: Lawton Yarns Ltd Licence Number: 2/27/13/211 Permit Version: 2 Location: River Calder-Ravensing Mills-Ravensthorpe Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensing Mills, Ravensthorpe, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th August 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |
| 65 | <p>Water Abstractions</p> <p>Operator: William S Graham Ltd Licence Number: 2/27/13/211 Permit Version: 1 Location: River Calder-Ravensing Mills-Ravensthorpe Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensing Mills, Ravensthorpe, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st November 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 679 | 2 | 423140 420490 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 65 | <p>Water Abstractions</p> <p>Operator: Lawton Yarns Ltd Licence Number: 2/27/13/211/R01 Permit Version: 1 Location: River Calder-Ravensing Mills-Ravensthorpe Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A18SW (NW) | 682 | 2 | 423140 420493 |
| 66 | <p>Water Abstractions</p> <p>Operator: Lawton Yarns Ltd Licence Number: 2/27/13/200 Permit Version: 102 Location: Borehole - Coal Measures - Ravensthorpe - Dewsbury Authority: Environment Agency, North East Region Abstraction: Laundry: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensing Mills, Ravensthorpe, Dewsbury. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th August 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A17SE (NW) | 692 | 2 | 423080 420470 |
| 66 | <p>Water Abstractions</p> <p>Operator: William S Graham Ltd Licence Number: 2/27/13/200 Permit Version: 101 Location: Borehole - Coal Measures - Ravensthorpe - Dewsbury Authority: Environment Agency, North East Region Abstraction: Laundry: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensing Mills, Ravensthorpe, Dewsbury. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th August 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A17SE (NW) | 692 | 2 | 423080 420470 |
| 66 | <p>Water Abstractions</p> <p>Operator: William S Graham Limited Licence Number: 2/27/13/200 Permit Version: 100 Location: Borehole - Coal Measures - Ravensthorpe - Dewsbury Authority: Environment Agency, North East Region Abstraction: Laundry: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 960 Yearly Rate (m3): 300000 Details: Ravensing Mills, Ravensthorpe, Dewsbury. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd June 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A17SE (NW) | 692 | 2 | 423080 420470 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 67 | <p>Water Abstractions</p> <p>Operator: British Waterways Board Licence Number: 2/27/13/122 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 455 Yearly Rate (m3): 163656 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A12NW (W) | 762 | 2 | 422680 420020 |
| 68 | <p>Water Abstractions</p> <p>Operator: Croslee Yarns Limited Licence Number: 2/27/13/136 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 682 Yearly Rate (m3): 227300 Details: Coal Measures Licence Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A12NW (W) | 766 | 2 | 422700 420100 |
| 68 | <p>Water Abstractions</p> <p>Operator: Act Manufacturing Limited; T/a Walter Walker & Sons Licence Number: 2/27/13/171 Permit Version: Not Supplied Location: Ravensthorpe Mills, Ravensthorpe, DEWSBURY Authority: Environment Agency, North East Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 600 Yearly Rate (m3): 219000 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A12NW (W) | 789 | 2 | 422680 420110 |
| 69 | <p>Water Abstractions</p> <p>Operator: Wormalds & Walker Limited Licence Number: 2/27/13/124 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 73 Yearly Rate (m3): 21372 Details: Alluvium Including Sand & Gravel Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A19SW (NE) | 802 | 2 | 424070 420420 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 69 | <p>Water Abstractions</p> <p>Operator: Calder Dyeing Ltd Licence Number: 2/27/13/226/R01 Permit Version: 2 Location: Borehole - Coal Measures - Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dewsbury Mills, Thornhill Road, Dewsbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 15th May 2020 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A19SW (NE) | 840 | 2 | 424093 420451 |
| 69 | <p>Water Abstractions</p> <p>Operator: Calder Dyeing Ltd Licence Number: 2/27/13/226/R01 Permit Version: 1 Location: Borehole - Coal Measures - Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dewsbury Mills, Thornhill Road, Dewsbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A19SW (NE) | 845 | 2 | 424090 420460 |
| 69 | <p>Water Abstractions</p> <p>Operator: Calder Dyeing Ltd Licence Number: 2/27/13/226 Permit Version: 1 Location: Borehole - Coal Measures - Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dewsbury Mills, Thornhill Road, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A19SW (NE) | 845 | 2 | 424090 420460 |
| 70 | <p>Water Abstractions</p> <p>Operator: Ulster Yarns Ltd Licence Number: Ne/027/0013/005 Permit Version: 1 Location: Borehole - Coal Measures - Ravensthorpe Mills, Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A12NW (W) | 855 | 2 | 422620 420140 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 70 | <p>Water Abstractions</p> <p>Operator: Ulster Yarns Ltd Licence Number: 2/27/13/218 Permit Version: 2 Location: Borehole - Dewsbury - Coal Measures Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensthorpe Mills, Huddersfield Road, Ravensthorpe, Dewsbury. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd March 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A12NW (W) | 855 | 2 | 422620 420140 |
| 70 | <p>Water Abstractions</p> <p>Operator: Riverstone Spinning Ltd Licence Number: 2/27/13/218 Permit Version: 1 Location: Borehole - Dewsbury - Coal Measures Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensthorpe Mills, Huddersfield Road, Ravensthorpe, Dewsbury. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A12NW (W) | 855 | 2 | 422620 420140 |
| 70 | <p>Water Abstractions</p> <p>Operator: Riverstone Spinning Ltd Licence Number: 2/27/13/202 Permit Version: 2 Location: Borehole - Dewsbury - Coal Measures Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensthorpe Mills, Huddersfield Road, Ravensthorpe. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd April 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A12NW (W) | 855 | 2 | 422620 420140 |
| 70 | <p>Water Abstractions</p> <p>Operator: Atc Manufacturing Limited Licence Number: 2/27/13/202 Permit Version: 1 Location: Borehole - Dewsbury - Coal Measures Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ravensthorpe Mills, Huddersfield Road, Ravensthorpe. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A12NW (W) | 855 | 2 | 422620 420140 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | <p>Water Abstractions</p> <p>Operator: Forticrete Ltd Licence Number: 2/27/13/229 Permit Version: 1 Location: River Calder - Ravensthorpe Authority: Environment Agency, North East Region Abstraction: Mineral Products: General Use(High Loss) Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Thornhill Works, Calder Road, Ravensthorpe, Dewsbury Wf12 9hy Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A11NE (W) | 1011 | 2 | 422400 419870 |
| | <p>Water Abstractions</p> <p>Operator: Forticrete Ltd Licence Number: 2/27/13/229 Permit Version: 1 Location: River Calder - Ravensthorpe Authority: Environment Agency, North East Region Abstraction: Mineral Products: Dust Suppression Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Thornhill Works, Calder Road, Ravensthorpe, Dewsbury Wf12 9hy Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A11NE (W) | 1011 | 2 | 422400 419870 |
| | <p>Water Abstractions</p> <p>Operator: A W Hainsworth & Sons Ltd Licence Number: 2/27/13/139 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 205 Yearly Rate (m3): 33186 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A19NW (NE) | 1040 | 2 | 424070 420730 |
| | <p>Water Abstractions</p> <p>Operator: Dewsbury Dyeing Co Ltd Licence Number: 2/27/13/215 Permit Version: 1 Location: Borehole - Coal Measures - Ravensthorpe - Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Oaklands Mill, Netherfield Road, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A11NE (W) | 1076 | 2 | 422390 420150 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | <p>Water Abstractions</p> <p>Operator: Jaamia Talimaul Islam Licence Number: 2/27/13/183 Permit Version: Not Supplied Location: South Street, Savile Town, DEWSBURY Authority: Environment Agency, North East Region Abstraction: Domestic Use Only Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 45 Yearly Rate (m3): 11363 Details: Coal Measures; Licence Status: Active Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A20NW (NE) | 1310 | 2 | 424500 420700 |
| | <p>Water Abstractions</p> <p>Operator: S Lyles & Son & Company Ltd Licence Number: 2/27/13/026 Permit Version: Not Supplied Location: Calder Bank Mills, DEWSBURY Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 295 Yearly Rate (m3): 54550 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A24SW (NE) | 1327 | 2 | 424000 421100 |
| | <p>Water Abstractions</p> <p>Operator: Henry Day & Sons Ltd Licence Number: 2/27/13/163 Permit Version: 100 Location: River Calder - Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 15000 Details: Savile Bridge Mills, Dewsbury, West Yorkshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A25NW (NE) | 1782 | 2 | 424560 421290 |
| | <p>Water Abstractions</p> <p>Operator: Calder Masonary Licence Number: 2/27/13/191 Permit Version: 101 Location: River Calder - Dewsbury X 2 Abstraction Points Authority: Environment Agency, North East Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Saville Bridge Mills, Mill Street East, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A25NW (NE) | 1801 | 2 | 424700 421200 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | <p>Water Abstractions</p> <p>Operator: Calder Masonary Licence Number: 2/27/13/191 Permit Version: 100 Location: River Calder Authority: Environment Agency, North East Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 36 Yearly Rate (m3): 9720 Details: Saville Bridge Mills, Mill Street East, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd May 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A25NW (NE) | 1801 | 2 | 424700 421200 |
| | <p>Water Abstractions</p> <p>Operator: Aronstead Limited Licence Number: 2/27/13/129 Permit Version: 100 Location: River Calder Authority: Environment Agency, North East Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 18200 Details: Britannia Mills, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th March 1978 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p> | A25NW (NE) | 1809 | 2 | 424510 421360 |
| | <p>Water Abstractions</p> <p>Operator: Aronstead Limited Licence Number: 2/27/13/129 Permit Version: 100 Location: River Calder - Britannia Mills Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles & Leather: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Britannia Mills, Dewsbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th March 1978 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A25NW (NE) | 1809 | 2 | 424510 421360 |
| | <p>Water Abstractions</p> <p>Operator: L Brook Licence Number: 2/27/13/063 Permit Version: 100 Location: Well - Coal Measures - Mirfield Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 45 Details: Fir Cottage, Mirfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th January 1972 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | (W) | 1820 | 2 | 421600 420000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | Water Abstractions Operator: Yorkshire Water Authority Licence Number: 2/27/13/128 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Water Undertaking Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 6819 Yearly Rate (m3): 1659290 Details: Coal Measures Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m | A16NW (NW) | 1826 | 2 | 421790 420660 |
| | Water Abstractions Operator: Thomas Chadwick & Sons Ltd Licence Number: 2/27/13/169 Permit Version: 100 Location: Borehole - Coal Measures - Dewsbury Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: East Mills, Dewsbury, Wets Yorkshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th April 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m | A25NE (NE) | 1941 | 2 | 424900 421200 |
| | Water Abstractions Operator: Yorkshire Water Authority Licence Number: 2/27/13/132 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Water Undertaking Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 7 Yearly Rate (m3): 1660000 Details: Coal Measures Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m | (E) | 1978 | 2 | 425340 419140 |
| | Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: No Data | A13NE (N) | 0 | 4 | 423451 419827 |
| | Groundwater Vulnerability - Soluble Rock Risk None | | | | |
| | Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A | A13NE (N) | 0 | 4 | 423451 419827 |
| | Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A | A13NE (N) | 0 | 4 | 423451 419827 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NW (NW) | 59 | 2 | 423385 419892 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13SE (SE) | 106 | 2 | 423573 419763 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied | A13NW (N) | 108 | 2 | 423402 419983 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied | A13SE (E) | 118 | 2 | 423602 419819 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 177 | 2 | 423648 419947 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 178 | 2 | 423652 419940 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 178 | 2 | 423638 419966 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 178 | 2 | 423636 419968 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 178 | 2 | 423636 419967 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 178 | 2 | 423632 419973 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 178 | 2 | 423654 419939 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 179 | 2 | 423632 419974 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 179 | 2 | 423628 419979 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 180 | 2 | 423655 419938 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 181 | 2 | 423626 419985 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 182 | 2 | 423618 419995 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 185 | 2 | 423663 419933 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 185 | 2 | 423618 419999 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NW (N) | 185 | 2 | 423415 420070 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 185 | 2 | 423618 419999 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 186 | 2 | 423616 420003 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NW (N) | 186 | 2 | 423415 420071 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 186 | 2 | 423669 419920 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 187 | 2 | 423615 420004 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (E) | 187 | 2 | 423673 419908 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 188 | 2 | 423614 420006 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (E) | 189 | 2 | 423674 419909 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NW (N) | 189 | 2 | 423421 420075 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (E) | 190 | 2 | 423676 419905 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NW (N) | 190 | 2 | 423424 420077 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 190 | 2 | 423605 420017 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NW (N) | 191 | 2 | 423421 420077 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NW (N) | 191 | 2 | 423425 420078 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (E) | 191 | 2 | 423679 419900 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 192 | 2 | 423606 420019 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (E) | 192 | 2 | 423679 419899 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NW (N) | 192 | 2 | 423443 420081 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (N) | 192 | 2 | 423451 420082 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NW (N) | 192 | 2 | 423443 420081 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (N) | 192 | 2 | 423450 420081 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (E) | 192 | 2 | 423680 419891 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (N) | 193 | 2 | 423461 420083 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 193 | 2 | 423604 420022 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 194 | 2 | 423602 420024 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (N) | 194 | 2 | 423461 420083 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (N) | 196 | 2 | 423479 420085 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (N) | 197 | 2 | 423479 420085 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (N) | 198 | 2 | 423491 420085 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 199 | 2 | 423591 420039 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (N) | 200 | 2 | 423491 420086 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 201 | 2 | 423592 420040 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (N) | 201 | 2 | 423497 420087 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 201 | 2 | 423589 420043 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 202 | 2 | 423657 419979 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (N) | 202 | 2 | 423465 420092 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 202 | 2 | 423667 419963 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (N) | 203 | 2 | 423502 420088 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 203 | 2 | 423667 419966 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 204 | 2 | 423649 419993 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 204 | 2 | 423588 420046 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (N) | 204 | 2 | 423508 420087 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 204 | 2 | 423649 419994 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 204 | 2 | 423651 419990 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 205 | 2 | 423645 419999 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 205 | 2 | 423586 420049 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (N) | 205 | 2 | 423509 420088 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 205 | 2 | 423586 420049 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 205 | 2 | 423681 419943 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 206 | 2 | 423577 420057 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 206 | 2 | 423645 420000 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 207 | 2 | 423641 420007 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 207 | 2 | 423579 420057 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 207 | 2 | 423686 419932 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (N) | 207 | 2 | 423520 420087 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 207 | 2 | 423583 420054 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 207 | 2 | 423641 420007 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 208 | 2 | 423578 420059 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (E) | 210 | 2 | 423692 419927 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (N) | 210 | 2 | 423522 420089 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 212 | 2 | 423632 420022 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (N) | 212 | 2 | 423534 420087 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 212 | 2 | 423631 420024 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 214 | 2 | 423694 419931 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 214 | 2 | 423628 420029 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 214 | 2 | 423694 419929 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (E) | 214 | 2 | 423696 419924 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 214 | 2 | 423627 420029 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (E) | 215 | 2 | 423696 419926 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (N) | 215 | 2 | 423536 420090 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (N) | 216 | 2 | 423540 420089 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (N) | 218 | 2 | 423543 420090 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 220 | 2 | 423563 420082 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 223 | 2 | 423701 419939 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 224 | 2 | 423702 419940 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (N) | 227 | 2 | 423489 420115 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (N) | 228 | 2 | 423489 420115 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 236 | 2 | 423713 419943 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 236 | 2 | 423713 419946 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (N) | 237 | 2 | 423477 420126 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 237 | 2 | 423713 419946 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 237 | 2 | 423716 419939 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 237 | 2 | 423714 419944 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 241 | 2 | 423590 420091 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (N) | 241 | 2 | 423511 420125 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 246 | 2 | 423578 420104 |
| | Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied | A13NE (NE) | 247 | 2 | 423595 420094 |
| | Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 179 | 2 | 423642 419962 |
| | Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 188 | 2 | 423670 419921 |
| | Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied | A13NE (NE) | 223 | 2 | 423564 420086 |
| | Areas Benefiting from Flood Defences None | | | | |
| | Flood Water Storage Areas None | | | | |
| | Flood Defences None | | | | |
| 71 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A13NW (NW) | 178 | 5 | 423281 419949 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 72 | OS Water Network Lines Watercourse Form: Canal Watercourse Length: 2157.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Calder and Hebble Navigation Catchment Name: Aire and Calder Primacy: 2 | A13NE (NE) | 190 | 5 | 423657 419957 |
| 73 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A13NW (NW) | 191 | 5 | 423264 419949 |
| 74 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 552.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A13SE (S) | 277 | 5 | 423564 419513 |
| 75 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 534.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A13SE (E) | 297 | 5 | 423785 419812 |
| 76 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A13SE (E) | 305 | 5 | 423783 419771 |
| 77 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (S) | 350 | 5 | 423339 419432 |
| 78 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (S) | 356 | 5 | 423327 419429 |
| 79 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (S) | 389 | 5 | 423289 419408 |
| 80 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (S) | 398 | 5 | 423288 419399 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 81 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A14SW (E) | 402 | 5 | 423869 419711 |
| 82 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 142.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (S) | 403 | 5 | 423288 419394 |
| 83 | OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (SW) | 520 | 5 | 423184 419316 |
| 84 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 240.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (S) | 524 | 5 | 423404 419242 |
| 85 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (SW) | 525 | 5 | 423179 419313 |
| 86 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (SW) | 528 | 5 | 423175 419311 |
| 87 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 308.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 2 | A18SE (NE) | 531 | 5 | 423768 420320 |
| 88 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (SW) | 532 | 5 | 423172 419308 |
| 89 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (SW) | 532 | 5 | 423172 419308 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 90 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (SW) | 536 | 5 | 423169 419306 |
| 91 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (SW) | 537 | 5 | 423166 419306 |
| 92 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (SW) | 539 | 5 | 423187 419292 |
| 93 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1 | A19SW (NE) | 543 | 5 | 423799 420312 |
| 94 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 315.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1 | A19SW (NE) | 543 | 5 | 423799 420312 |
| 95 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (SW) | 543 | 5 | 423192 419285 |
| 96 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 287.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1 | A19SW (NE) | 544 | 5 | 423811 420305 |
| 97 | OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 22.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Calder and Hebble Navigation Catchment Name: Aire and Calder Primacy: 2 | A17SE (NW) | 546 | 5 | 423095 420298 |
| 98 | OS Water Network Lines Watercourse Form: Canal Watercourse Length: 41.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Calder and Hebble Navigation Catchment Name: Aire and Calder Primacy: 2 | A17SE (NW) | 557 | 5 | 423074 420293 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 99 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (SW) | 558 | 5 | 423212 419259 |
| 100 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A7NE (SW) | 588 | 5 | 423082 419302 |
| 101 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 960.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1 | A17SE (NW) | 593 | 5 | 423037 420308 |
| 102 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 210.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1 | A17SE (NW) | 594 | 5 | 423041 420313 |
| 103 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 426.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A7NE (SW) | 604 | 5 | 423071 419290 |
| 104 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 324.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1 | A18NW (N) | 640 | 5 | 423424 420529 |
| 105 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1 | A18NE (N) | 641 | 5 | 423477 420531 |
| 106 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A18NE (N) | 642 | 5 | 423475 420531 |
| 107 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.0 Watercourse Level: On ground surface Permanent: False Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 2 | A18NE (N) | 647 | 5 | 423591 420523 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 108 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8NW (S) | 648 | 5 | 423215 419159 |
| 109 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 577.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Spen River Catchment Name: Aire and Calder Primacy: 1 | A18SW (NW) | 655 | 5 | 423170 420478 |
| 110 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A18NE (N) | 688 | 5 | 423594 420564 |
| 111 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A18NE (N) | 695 | 5 | 423677 420549 |
| 112 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A18NE (N) | 695 | 5 | 423476 420585 |
| 113 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A18NE (N) | 700 | 5 | 423653 420562 |
| 114 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 579.0 Watercourse Level: On ground surface Permanent: False Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 2 | A18NE (N) | 700 | 5 | 423653 420562 |
| 115 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A18NE (N) | 700 | 5 | 423653 420562 |
| 116 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 517.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A9NW (SE) | 703 | 5 | 423865 419200 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 117 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A18NE (N) | 705 | 5 | 423673 420561 |
| 118 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A18NE (N) | 714 | 5 | 423686 420566 |
| 119 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A18NE (N) | 714 | 5 | 423684 420566 |
| 120 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A19SW (NE) | 729 | 5 | 424092 420277 |
| 121 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 705.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Calder Catchment Name: Aire and Calder Primacy: 1 | A19SW (NE) | 730 | 5 | 424082 420293 |
| 122 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 255.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8SE (S) | 739 | 5 | 423713 419076 |
| 123 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A8SE (S) | 750 | 5 | 423642 419041 |
| 124 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 163.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A9SW (SE) | 860 | 5 | 423935 419057 |
| 125 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A7SE (SW) | 935 | 5 | 422784 419101 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 126 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A7SE (SW) | 943 | 5 | 422779 419093 |
| 127 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 216.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A7SE (SW) | 952 | 5 | 422776 419084 |
| 128 | OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 259.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1 | A9SW (SE) | 970 | 5 | 424103 419051 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 129 | BGS Recorded Landfill Sites Site Name: Thornhill Power Stn Location: Calder Rd, RAVENSTHORPE, West Yorkshire Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate | A12SE (W) | 518 | - | 422891 419825 |
| 130 | Historical Landfill Sites Licence Holder: James Austin and Sons Limited Location: Thornhill Steel Works, Dewsbury Name: Forge Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04230 First Input Date: 31st December 1947 Last Input Date: 30th June 1989 Specified Waste Type: Deposited Waste included Inert, Industrial and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4700/0763 BGS Ref: Not Supplied Other Ref: 4700/0030 | A13SE (E) | 208 | 2 | 423683 419768 |
| 131 | Historical Landfill Sites Licence Holder: C R Longley and Company Limited Location: Thornhill Lees, Dewsbury Name: Land ar Ravensthorpe Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04177 First Input Date: 31st October 1985 Last Input Date: 31st December 1986 Specified Waste Type: Deposited Waste included Inert and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4700/0840 BGS Ref: Not Supplied Other Ref: 500, 4700/0756 | A12NE (W) | 397 | 2 | 423034 419931 |
| 132 | Historical Landfill Sites Licence Holder: C R Longley Ltd Location: Ravensthorpe Road, Dewsbury, Thornhill Lees, West Yorkshire Name: C R Longley Ltd Operator Location: Ravensthorpe Road, Dewsbury, Thornhill Lees, West Yorkshire Boundary Accuracy: As Supplied Provider Reference: EAHLD35738 First Input Date: 31st December 1900 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert, Industrial and Special Waste EA Waste Ref: 61017 Regis Ref: YQ1/L/JOH001 WRC Ref: 4700/0741 BGS Ref: Not Supplied Other Ref: 48, NE4654 | A12NE (W) | 413 | 2 | 423009 419906 |
| 133 | Historical Landfill Sites Licence Holder: Not Supplied Location: Calder Road, Ravensthorpe, West Yorkshire Name: Thornhill Power Station Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD31749 First Input Date: 31st December 1923 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 2799 Other Ref: Not Supplied | A12SE (W) | 517 | 2 | 422892 419825 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 134 | <p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: Thornhill Quarry Landfill Epr/Lp3330xp Licence Number: 0 Location: Thornhill Quarry Landfill Site, Calder Road, Ravensthorpe, West Yorkshire, WF12 9EA Licence Holder: Demex Limited Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Waste Landfilling; >10 T/D with Capacity >25,000T Excluding Inert Waste Max Input Rate: Not Supplied Licence Status: Effective Issued: 20th January 2016 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p> | A13NW (N) | 200 | 2 | 423414 420085 |
| 135 | <p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: C R Longley Ltd Licence Number: 61017 Location: Land/premises At, Ravensthorpe Road, Thornhill Lees, Dewsbury, West Yorkshire, WF12 9EF Licence Holder: C R Longley And Company Limited Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Inactive Issued: 13th April 1992 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p> | A12NE (W) | 414 | 2 | 423008 419906 |
| 136 | <p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 61044 Location: Thornhill Quarry, Ravensthorpe Road, Ravensthorpe, Dewsbury, West Yorkshire, WF12 9EA Operator Name: Demex Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Other Landfill Sites Taking Special Waste Licence Status: To PPC Issued: 10th January 1994 Last Modified: 30th June 2004 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: LP3330XP Positional Accuracy: Located by supplier to within 100m</p> | A18SW (N) | 348 | 2 | 423300 420200 |
| 137 | <p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 61017 Location: Ravensthorpe Road, Thornhill Lees, Dewsbury, West Yorkshire, WF12 9EF Operator Name: C R Longley And Company Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Industrial Waste Landfills Licence Status: Surrendered Issued: 13th April 1992 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 8th July 2010 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A12NE (W) | 401 | 2 | 423010 419838 |
| 138 | <p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 402501 Location: Forge Lane Quarry, Forge Lane, Thornhill, Dewsbury, West Yorkshire, WF12 9BU Operator Name: Forge Lane Quarry Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Use of waste in a deposit for recovery op Licence Status: Issued Issued: 6th May 2016 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A19SW (NE) | 606 | 2 | 423970 420235 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 139 | <p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 61022 Location: Land/premises At, Ravenswharfe Road, Scout Hill, Dewsbury, West Yorkshire, WF13 3RD Operator Name: Hinchcliffe Roy Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Transferred Issued: 26th February 1993 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A18NW (N) | 706 | 2 | 423342 420586 |
| 140 | <p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 103451 Location: Thornhill Works, Calder Road, Dewsbury, West Yorkshire, WF12 9HY Operator Name: Newlay Concrete Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Treatment of waste to produce soil <75,000 tpy Licence Status: Issued Issued: 20th January 2012 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A12NW (W) | 777 | 2 | 422649 419959 |
| 141 | <p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 65180 Location: Thornhill Transfer Station, Weaving Lane, Dewsbury, West Yorkshire, WF12 9QR Operator Name: Suez Recycling And Recovery Kirklees Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Modified Issued: 25th April 2001 Last Modified: 30th June 2016 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A18NE (N) | 835 | 2 | 423592 420714 |
| 142 | <p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 120172 Location: Unit 3, 101 Thornhill Rd, Dewsbury, WF12 9PY Operator Name: RS AUTOS Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Vehicle depollution facility Licence Status: Issued Issued: 14th February 2020 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p> | A19NW (NE) | 938 | 2 | 423935 420697 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 142 | Licensed Waste Management Facilities (Locations) Licence Number: 120087 Location: 01/04/2022 WATER LANE, Dewsbury, WF12 9PY Operator Name: AJ MOTORS (DEWSBURY) LTD Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Vehicle depollution facility Licence Status: Issued Issued: 28th August 2019 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m | A19NW (NE) | 969 | 2 | 423935 420733 |
| 143 | Licensed Waste Management Facilities (Locations) Licence Number: 403337 Location: Unit 1, Netherfield Mills, Calder Road, Dewsbury, West Yorkshire, WF13 3JS Operator Name: Parts Emporium Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Vehicle depollution facility Licence Status: Issued Issued: 25th July 2016 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m | A17SW (W) | 985 | 2 | 422510 420214 |
| | Local Authority Landfill Coverage Name: Kirklees Metropolitan Borough Council - Has not been able to supply Landfill data | | 0 | 6 | 423451 419827 |
| 144 | Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993 | A13SE (SE) | 130 | - | 423599 419763 |
| 145 | Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993 | A13SE (E) | 204 | - | 423671 419743 |
| 146 | Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993 | A12SE (SW) | 435 | - | 423060 419535 |
| 147 | Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993 | A8NW (S) | 529 | - | 423386 419239 |
| 148 | Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993 | A8SW (S) | 663 | - | 423345 419110 |
| 149 | Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989 | A18NW (N) | 701 | - | 423339 420581 |
| 150 | Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993 | A8SE (S) | 753 | - | 423676 419048 |
| 151 | Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993 | A14SE (E) | 785 | - | 424247 419646 |
| 152 | Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993 | A12NW (W) | 787 | - | 422624 419861 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 153 | Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993 | A8SE (S) | 858 | - | 423654 418932 |
| 154 | Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993 | A12SW (W) | 946 | - | 422470 419678 |
| 155 | Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989 | A19NE (NE) | 991 | - | 424212 420544 |
| 156 | Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989 | A14NE (E) | 998 | - | 424454 420125 |
| 157 | Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955 | A13SE (SE) | 204 | - | 423591 419622 |
| 158 | Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955 | A14SW (SE) | 402 | - | 423835 419625 |
| 159 | Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955 | A18SE (N) | 467 | - | 423557 420346 |
| 160 | Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1855 | A8NE (S) | 486 | - | 423635 419317 |
| 161 | Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955 | A18SE (NE) | 654 | - | 423765 420466 |
| 162 | Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955 | A19NW (NE) | 942 | - | 423873 420735 |
| 163 | Registered Landfill Sites Licence Holder: James Austin & Sons Ltd Licence Reference: 30 Site Location: Thornhill Steelworks, Dewsbury, West Yorkshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Undefined Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 23rd June 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Constr'N/Demol. Inert/Non-Haz/Non-Tox Ind. Non-Haz. Inert, Non-Flammable Prohibited Waste: Poisonous, Noxious, Polluting Wastes | A14SW (E) | 344 | 2 | 423802 419694 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 164 | <p>Registered Landfill Sites</p> <p>Licence Holder: Demex Ltd Licence Reference: 1348 Site Location: Thornhill Quarry, Ravensthorpe Road, Dewsbury, West Yorkshire Licence Easting: 423300 Licence Northing: 420200 Operator Location: Bernera Works, Holmes Industrial Estate, Psalter Lane, ROTHERHAM, South Yorkshire, S61 1DQ</p> <p>Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Operational as far as is known Dated: 1st January 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Ash Bagged Asbestos Insulation Material Foundry Sand Max.Waste Permitted By Licence Uncontam. Bricks,Stone,Solid Concrete& Uncontam. Earth, Excavation Waste Prohibited Waste: Poisonous, Noxious And Polluting N.O.S Waste N.O.S.</p> | A18SW (N) | 348 | 2 | 423300 420200 |
| 165 | <p>Registered Landfill Sites</p> <p>Licence Holder: C R Longley & Co Ltd Licence Reference: 980 Site Location: Ravensthorpe Road, Thornhill Lees, DEWSBURY, West Yorkshire, WF12 9EF Licence Easting: 422980 Licence Northing: 419860 Operator Location: Ravensthorpe Road, Thornhill Lees, DEWSBURY, West Yorkshire, WF12 9EF</p> <p>Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: Only waste produced on site Restrictions: Status: Operational as far as is known Dated: 1st April 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Breeze Blocks, Building Sand, Gravel, Tiles, Other Ceramic Mats, Slate Concrete/Cement Slurry Max.Waste Permitted By Licence Uncontam. Earth/Excav'N Waste Uncontam.Brick,Stone,Solid Concrete, Liable To Cause Environmental Hazards Prohibited Waste: Poisonous, Noxious, Polluting Wastes Special Wastes (As In '96 Regs) Waste N.O.S.</p> | A12NE (W) | 433 | 2 | 422980 419860 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 165 | <p>Registered Landfill Sites</p> <p>Licence Holder: C R Longley & Co Ltd Licence Reference: 500 Site Location: Ravensthorpe Road, Thornhill Lees, DEWSBURY, West Yorkshire, WF12 9EF Licence Easting: 422950 Licence Northing: 419900 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st October 1985 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Excavated Natural Materials \$ Prohibited Waste: Liable To Cause Enviromental Hazards Poisonous, Noxious, Polluting Wastes</p> | A12NE (W) | 470 | 2 | 422950 419900 |
| 166 | <p>Registered Waste Transfer Sites</p> <p>Licence Holder: R Hinchcliffe Licence Reference: 1000 Site Location: Ravensthorpe Road, Scout Hill, Dewsbury, West Yorkshire Operator Location: Hinbros House, Ravenswharfe road, Scout Hill, DEWSBURY, West Yorkshire, WF13 3RE Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st March 1999 Preceded By: 1000 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Bulky Household Waste Max.Storage In Licence Max.Waste Permitted By Licence Uncontam. Com./Ind. Waste Prohibited Waste: Animal And Food Wastes W. Likely To Pollute Environment N.O.S W. With Pot'L Harm Human Health N.O.S Waste N.O.S.</p> | A18NW (N) | 721 | 2 | 423250 420580 |
| 166 | <p>Registered Waste Transfer Sites</p> <p>Licence Holder: Hinchcliffe Bros. (Skip Hire) 1985 Ltd Licence Reference: 1000 Site Location: Ravensthorpe Road, Scout Hill, Dewsbury, West Yorkshire Operator Location: Hinbros House, Ravensknowle Road, Dewsbury, West Yorkshire Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 1st November 1996 Preceded By: 1000 Licence: Superseded By: 1000 Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Breeze Blocks, Building Sand, Gravel, Tiles, Other Ceramic Mats, Slate Concrete/Cement Slurry Max.Waste Permitted By Licence Uncontam. Earth/Excav'N Waste Uncontam.Brick,Stone,Solid Concrete, Prohibited Waste: Liable To Cause Environmental Hazards Poisonous, Noxious, Polluting Wastes Special Wastes (As In '96 Regs) Waste N.O.S.</p> | A18NW (N) | 721 | 2 | 423250 420580 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 166 | <p>Registered Waste Transfer Sites</p> <p>Licence Holder: Hinchcliffe Bros. (Skip Hire) 1985 Ltd Licence Reference: 1000 Site Location: Hinbros House, Ravensthorpe Terrace, Scout Hill, Dewsbury, West Yorkshire Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 26th February 1993 Preceded By: Not Given Licence: Superseded By: 1000 Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Bulky Household Waste Max.Storage In Licence Max.Waste Permitted By Licence Uncontam. Com. & Ind. Waste Prohibited Waste: Animal And Food Wastes Liable To Cause Environmental Hazards Poisonous, Noxious, Polluting Wastes</p> | A18NW (N) | 721 | 2 | 423250 420580 |
| 167 | <p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: Kirklees Waste Services Ltd Licence Reference: Eawml65180 Site Location: Thornhill Integrated Waste Man. Facility, Dewsbury, West Yorkshire Operator Location: Lancashire House, 24 Winckley Square, Preston, Lancashire, Pr1 3jj Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer - with treatment Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 25th April 2001 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Household/Commercial/Industrial Waste (Inferred From Regis Listing) New Licence, Wastes Not To Hand</p> | A18NE (N) | 823 | 2 | 423600 420700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated) | A13NE (N) | 0 | 1 | 423451 419827 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg | A13NE (N) | 0 | 1 | 423451 419827 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg | A13SE (SW) | 0 | 1 | 423450 419826 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg | A13NW (NW) | 152 | 1 | 423352 420000 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg | A14SW (E) | 315 | 1 | 423801 419810 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg | A14NW (E) | 367 | 1 | 423843 419966 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg | A8NW (S) | 387 | 1 | 423436 419378 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | <p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 120 - 180 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p> | A14SW (E) | 443 | 1 | 423921 419761 |
| | <p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p> | A12NE (W) | 464 | 1 | 422986 420000 |
| | <p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p> | A12SE (SW) | 484 | 1 | 423000 419536 |
| | <p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 120 - 180 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p> | A14NW (E) | 522 | 1 | 423985 420032 |
| | <p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p> | A8NW (SW) | 550 | 1 | 423179 419284 |
| | <p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p> | A7NE (SW) | 582 | 1 | 423000 419381 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | <p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p> | A18NW (N) | 671 | 1 | 423402 420558 |
| | <p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p> | A8SE (S) | 765 | 1 | 423451 419000 |
| | <p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p> | A19SE (NE) | 834 | 1 | 424251 420208 |
| | <p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p> | A7NE (SW) | 870 | 1 | 422803 419171 |
| | <p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p> | A17NE (NW) | 874 | 1 | 422926 420584 |
| | <p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p> | A9NE (SE) | 924 | 1 | 424285 419360 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration: | A12NW (W) | 933 | 1 | 422499 420002 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration: | A12NW (W) | 933 | 1 | 422498 420000 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration: | A19SE (NE) | 939 | 1 | 424359 420223 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration: | A14SE (E) | 960 | 1 | 424444 419758 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration: | A7SE (SW) | 961 | 1 | 423036 418896 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration: | A12SW (W) | 963 | 1 | 422469 419586 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration: | A11SE (W) | 995 | 1 | 422425 419644 |
| | BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration: | A9NE (E) | 999 | 1 | 424410 419451 |
| 168 | BGS Recorded Mineral Sites Site Name: Thornhill Gravel Pit Location: Thornhill Lees, Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 2575 Type: Opencast Status: Ceased Operator: Tarmac - Eastern Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Calder Gravel Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m | A18SW (NW) | 345 | 1 | 423270 420180 |
| 169 | BGS Recorded Mineral Sites Site Name: Thornhill Gravel Pit Location: Thornhill Lees, Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 226670 Type: Opencast Status: Ceased Operator: Tarmac - Eastern Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m | A12NE (NW) | 405 | 1 | 423099 420085 |
| 170 | BGS Recorded Mineral Sites Site Name: Forge Lane Quarry Location: Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 226070 Type: Opencast Status: Active Operator: Dewsbury Sand & Gravel Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m | A18SE (NE) | 413 | 1 | 423655 420252 |
| 171 | BGS Recorded Mineral Sites Site Name: Croy Royd Location: Thornhill Lees, Thornhill Edge, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137966 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Lepton Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m | A12SE (SW) | 443 | 1 | 423051 419534 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 172 | <p>BGS Recorded Mineral Sites</p> <p>Site Name: Cromwell Colliery Brick Field Location: Thornhill Lees, Thornhill Edge, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137965 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p> | A8NW (S) | 565 | 1 | 423382 419203 |
| 173 | <p>BGS Recorded Mineral Sites</p> <p>Site Name: Cromwell Colliery Location: Thornhill Lees, Thornhill Edge, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 137961 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p> | A8SW (S) | 671 | 1 | 423313 419107 |
| 174 | <p>BGS Recorded Mineral Sites</p> <p>Site Name: Ingham'S Occs Location: Thornhill, Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13359 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Opencast Positional Accuracy: Located by supplier to within 10m</p> | A9SW (SE) | 814 | 1 | 423870 419070 |
| 175 | <p>BGS Recorded Mineral Sites</p> <p>Site Name: Ingham'S Pit Location: Thornhill, Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13360 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p> | A9SW (SE) | 966 | 1 | 423980 418960 |
| 176 | <p>BGS Recorded Mineral Sites</p> <p>Site Name: Headfield Quarry Location: Savile Town, Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109843 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p> | A19SE (NE) | 968 | 1 | 424353 420304 |
| 177 | <p>BGS Recorded Mineral Sites</p> <p>Site Name: Headfield Location: Savile Town, Dewsbury, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109842 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p> | A14NE (E) | 998 | 1 | 424459 420106 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| | BGS Measured Urban Soil Chemistry No data available | | | | |
| | BGS Urban Soil Chemistry Averages No data available | | | | |
| | Coal Mining Affected Areas 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. | A13NE (N) | 0 | 7 | 423451 419827 |
| | Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied | A13NE (N) | 0 | - | 423451 419827 |
| | Non Coal Mining Areas of Great Britain No Hazard | | | | |
| | Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13SE (SW) | 0 | 1 | 423450 419826 |
| | Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 1 | 423451 419827 |
| | Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 110 | 1 | 423451 420000 |
| | Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 152 | 1 | 423352 420000 |
| | Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 1 | 423451 419827 |
| | Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 0 | 1 | 423432 419845 |
| | Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13SW (SW) | 0 | 1 | 423439 419814 |
| | Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service | A13SE (SE) | 87 | 1 | 423541 419750 |
| | Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 110 | 1 | 423451 420000 |
| | Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 116 | 1 | 423420 420000 |
| | Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 152 | 1 | 423352 420000 |
| | Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 223 | 1 | 423411 420108 |
| | Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 245 | 1 | 423343 420106 |
| | Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 1 | 423451 419827 |
| | Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 110 | 1 | 423451 420000 |
| | Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 1 | 423451 419827 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| | Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 68 | 1 | 423410 419939 |
| | Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 110 | 1 | 423451 420000 |
| | Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 116 | 1 | 423420 420000 |
| | Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 223 | 1 | 423411 420108 |
| | Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 0 | 1 | 423432 419845 |
| | Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 1 | 423451 419827 |
| | Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service | A13SE (SE) | 87 | 1 | 423541 419750 |
| | Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 110 | 1 | 423451 420000 |
| | Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 116 | 1 | 423420 420000 |
| | Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service | A13NW (N) | 223 | 1 | 423411 420108 |
| | Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 241 | 1 | 423174 419737 |
| | Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13SE (SW) | 0 | 1 | 423450 419826 |
| | Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 1 | 423451 419827 |
| | Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 110 | 1 | 423451 420000 |
| | Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service | A13SW (W) | 145 | 1 | 423267 419761 |
| | Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service | A13NW (NW) | 152 | 1 | 423352 420000 |
| | Radon Potential - Radon Affected Areas 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). Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 1 | 423451 419827 |
| | Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 1 | 423451 419827 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 178 | Contemporary Trade Directory Entries Name: N Tyres Yorkshire Ltd Location: Unit 3, 420, Lees Hall Road, Dewsbury, WF12 9EQ Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address | A13SE (S) | 31 | - | 423474 419752 |
| 178 | Contemporary Trade Directory Entries Name: Faster Fit Tyres Location: 420, Lees Hall Road, Dewsbury, WF12 9EQ Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address | A13SE (S) | 31 | - | 423474 419752 |
| 178 | Contemporary Trade Directory Entries Name: Lafarge Aggregates Ltd Location: Lees Hall Rd, Dewsbury, West Yorkshire, WF12 9EQ Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location | A13SE (S) | 50 | - | 423481 419730 |
| 179 | Contemporary Trade Directory Entries Name: Lafarge Readymix Location: Lees Hall Road, Dewsbury, West Yorkshire, WF12 9EQ Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 54 | - | 423544 419872 |
| 180 | Contemporary Trade Directory Entries Name: Leonard Broadhead & Sons Location: 25, Ravensthorpe Road, Dewsbury, West Yorkshire, WF12 9EE Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address | A13SW (SW) | 68 | - | 423380 419732 |
| 180 | Contemporary Trade Directory Entries Name: Geek Cars Location: 33, Ravensthorpe Road, Dewsbury, WF12 9EE Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address | A13SW (SW) | 93 | - | 423334 419741 |
| 181 | Contemporary Trade Directory Entries Name: Tarmac Location: Lees Hall Road, Dewsbury, West Yorkshire, WF12 9EQ Classification: Concrete Products Status: Active Positional Accuracy: Manually positioned within the geographical locality | A13NW (W) | 71 | - | 423348 419843 |
| 182 | Contemporary Trade Directory Entries Name: Universal Press Services Location: Lees Hall Road, Dewsbury, West Yorkshire, WF12 9EQ Classification: Machine Tool Accessories & Services Status: Inactive Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 184 | - | 423332 420024 |
| 182 | Contemporary Trade Directory Entries Name: Lafarge Readymix Location: Lees Hall Road, Dewsbury, West Yorkshire, WF12 9EQ Classification: Concrete Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 184 | - | 423332 420024 |
| 182 | Contemporary Trade Directory Entries Name: Glenway Coaches Ltd Location: Lees Hall Road, Dewsbury, West Yorkshire, WF12 9EQ Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 184 | - | 423332 420024 |
| 183 | Contemporary Trade Directory Entries Name: A J S Motor Engineers Location: Unit 2, Lees Hall, Lees Hall Road, Dewsbury, West Yorkshire, WF12 9EQ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 239 | - | 423254 420016 |
| 184 | Contemporary Trade Directory Entries Name: Longley Concrete Group Location: Ravensthorpe Road, Dewsbury, West Yorkshire, WF12 9EF Classification: Concrete Products Status: Inactive Positional Accuracy: Manually positioned to the address or location | A12NE (W) | 398 | - | 423013 419842 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 184 | <p>Contemporary Trade Directory Entries</p> <p>Name: Heatseam Ltd Location: Ravensthorpe Road, Dewsbury, West Yorkshire, WF12 9EG Classification: Floorcoverings - Manufacturers & Wholesalers Status: Active Positional Accuracy: Manually positioned within the geographical locality</p> | A12SE (W) | 401 | - | 423008 419795 |
| 185 | <p>Contemporary Trade Directory Entries</p> <p>Name: Printaz Location: Unit 2, Ravensthorpe Road, Dewsbury, West Yorkshire, WF12 9EF Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address</p> | A12NE (W) | 511 | - | 422902 419866 |
| 186 | <p>Contemporary Trade Directory Entries</p> <p>Name: Process Combustion Control Ltd Location: St. Annes House, 399, Lees Hall Road, Dewsbury, West Yorkshire, WF12 9HB Classification: Furnaces Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A14SW (SE) | 527 | - | 423906 419504 |
| 187 | <p>Contemporary Trade Directory Entries</p> <p>Name: Progress Plant Location: Progress Group, Dale Works, Brewery Lane, Dewsbury, WF12 9HU Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A14NW (E) | 539 | - | 424004 420030 |
| 187 | <p>Contemporary Trade Directory Entries</p> <p>Name: Progress Plant Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A14NW (E) | 540 | - | 424004 420030 |
| 188 | <p>Contemporary Trade Directory Entries</p> <p>Name: Northern Coating Contractors Ltd Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A19SW (NE) | 561 | - | 423932 420212 |
| 188 | <p>Contemporary Trade Directory Entries</p> <p>Name: Slok Uk Textile Ltd Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A19SW (NE) | 561 | - | 423932 420212 |
| 188 | <p>Contemporary Trade Directory Entries</p> <p>Name: Layzee-Night Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A19SW (NE) | 561 | - | 423932 420212 |
| 188 | <p>Contemporary Trade Directory Entries</p> <p>Name: Sands Location: Ratcliffe Mills, Forge La, Dewsbury, West Yorkshire, WF12 9BU Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A19SW (NE) | 561 | - | 423932 420212 |
| 188 | <p>Contemporary Trade Directory Entries</p> <p>Name: Emerald Print Finishers Ltd Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Print Finishers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A19SW (NE) | 562 | - | 423932 420212 |
| 188 | <p>Contemporary Trade Directory Entries</p> <p>Name: Chapel Products Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Car Accessories Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A19SW (NE) | 562 | - | 423932 420212 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 188 | <p>Contemporary Trade Directory Entries</p> <p>Name: M & L Coatings Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Powder Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A19SW (NE) | 562 | - | 423932 420212 |
| 188 | <p>Contemporary Trade Directory Entries</p> <p>Name: Jay-B Ltd Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A19SW (NE) | 562 | - | 423932 420212 |
| 188 | <p>Contemporary Trade Directory Entries</p> <p>Name: Cempak Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Sand, Gravel & Other Aggregates Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A19SW (NE) | 562 | - | 423932 420212 |
| 189 | <p>Contemporary Trade Directory Entries</p> <p>Name: Cempak Location: Forge La, Dewsbury, West Yorkshire, WF12 9BU Classification: Sand, Gravel & Other Aggregates Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p> | A14NW (NE) | 563 | - | 423972 420156 |
| 190 | <p>Contemporary Trade Directory Entries</p> <p>Name: Hirst Electrical Ltd Location: Unit 9 Empire Works, Brewery La, Dewsbury, West Yorkshire, WF12 9HQ Classification: Electrical Engineers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A14SW (E) | 573 | - | 424036 419674 |
| 191 | <p>Contemporary Trade Directory Entries</p> <p>Name: K D Wigglesworth Location: Ravensthorpe Road, Dewsbury, West Yorkshire, WF12 9ED Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A12NE (W) | 582 | - | 422846 419946 |
| 192 | <p>Contemporary Trade Directory Entries</p> <p>Name: Cleanaway Ltd Location: Calder Garage, Ravensthorpe Rd, Dewsbury, West Yorkshire, WF12 9EG Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A12NE (W) | 583 | - | 422833 419886 |
| 192 | <p>Contemporary Trade Directory Entries</p> <p>Name: Veolia Environmental Services Ltd Location: Ravensthorpe Road, Dewsbury, WF12 9EG Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address</p> | A12NE (W) | 584 | - | 422831 419881 |
| 193 | <p>Contemporary Trade Directory Entries</p> <p>Name: Raza Laundry Service Location: 43, Brewery Lane, Dewsbury, WF12 9DZ Classification: Laundries & Launderettes Status: Active Positional Accuracy: Automatically positioned to the address</p> | A14SW (E) | 612 | - | 424097 419781 |
| 193 | <p>Contemporary Trade Directory Entries</p> <p>Name: Raza Laundry Service Location: 43, Brewery Lane, Dewsbury, West Yorkshire, WF12 9DZ Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A14SW (E) | 613 | - | 424097 419781 |
| 194 | <p>Contemporary Trade Directory Entries</p> <p>Name: Progress Group Ltd Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: Generators - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A14NW (E) | 635 | - | 424118 419962 |
| 194 | <p>Contemporary Trade Directory Entries</p> <p>Name: J Kilkenny Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: French Polishing Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A14NW (E) | 635 | - | 424118 419962 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 194 | <p>Contemporary Trade Directory Entries</p> <p>Name: Progress Group Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: Generators - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A14NW (E) | 635 | - | 424118 419962 |
| 194 | <p>Contemporary Trade Directory Entries</p> <p>Name: Dewsbury Building Plastics Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A14NW (E) | 636 | - | 424112 420002 |
| 194 | <p>Contemporary Trade Directory Entries</p> <p>Name: Freestyle Music Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A14NW (E) | 636 | - | 424112 420002 |
| 194 | <p>Contemporary Trade Directory Entries</p> <p>Name: D B P Location: Dale Works, Brewery Lane, Dewsbury, West Yorkshire, WF12 9HU Classification: Polythene & Plastic Sheeting Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A14NW (E) | 641 | - | 424119 419989 |
| 195 | <p>Contemporary Trade Directory Entries</p> <p>Name: Sweetheat Location: 16, Millwater Avenue, DEWSBURY, West Yorkshire, WF12 9QN Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A19SW (NE) | 658 | - | 423937 420348 |
| 196 | <p>Contemporary Trade Directory Entries</p> <p>Name: Euro Fence Coatings Location: Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Powder Coatings Status: Active Positional Accuracy: Automatically positioned to the address</p> | A19SW (NE) | 659 | - | 424024 420251 |
| 196 | <p>Contemporary Trade Directory Entries</p> <p>Name: F1 Tyres Location: Ratcliffe Mills, Forge Lane, Dewsbury, West Yorkshire, WF12 9BU Classification: Tyre Dealers Status: Active Positional Accuracy: Manually positioned to the address or location</p> | A19SW (NE) | 690 | - | 424064 420250 |
| 196 | <p>Contemporary Trade Directory Entries</p> <p>Name: Colour-Pro Powder Coatings Ltd Location: Unit 10, Ratcliffe Mills, Forge Lane, Dewsbury, WF12 9BU Classification: Powder Coatings Status: Active Positional Accuracy: Automatically positioned to the address</p> | A19SW (NE) | 690 | - | 424064 420250 |
| 197 | <p>Contemporary Trade Directory Entries</p> <p>Name: Taylor Smith Location: Calder Road, Dewsbury, WF13 3JT Classification: Steel Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A12NE (W) | 673 | - | 422788 420069 |
| 198 | <p>Contemporary Trade Directory Entries</p> <p>Name: Balfour Beatty Power Networks Location: Calder Wharf, Ravensthorpe, Dewsbury, West Yorkshire, WF13 3JG Classification: Electrical Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p> | A17SE (NW) | 677 | - | 422911 420289 |
| 199 | <p>Contemporary Trade Directory Entries</p> <p>Name: Spenborough Engineering Ltd Location: Calder Road, Dewsbury, West Yorkshire, WF12 9EA Classification: Commercial Vehicle Bodybuilders & Repairers Status: Active Positional Accuracy: Automatically positioned to the address</p> | A12NW (W) | 702 | - | 422724 419955 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 200 | <p>Contemporary Trade Directory Entries</p> <p>Name: Classic Beds Location: Unit 31, Calder Wharf Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 707 | - | 422822 420216 |
| 200 | <p>Contemporary Trade Directory Entries</p> <p>Name: Sourceman Ltd Location: Unit 26c & 27, Calder Wharf Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Metal Finishing Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 707 | - | 422822 420216 |
| 200 | <p>Contemporary Trade Directory Entries</p> <p>Name: D C Plastics Location: Unit 26c & 27, Calder Wharf Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Plastics - Vacuum Forming Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A17SE (NW) | 707 | - | 422822 420216 |
| 201 | <p>Contemporary Trade Directory Entries</p> <p>Name: A M T Ltd Location: Calder Road, Dewsbury, West Yorkshire, WF13 3JT Classification: Blast Cleaning Status: Active Positional Accuracy: Manually positioned within the geographical locality</p> | A12NW (W) | 713 | - | 422737 420041 |
| 201 | <p>Contemporary Trade Directory Entries</p> <p>Name: X P O Coating Location: RAVENSTHORPE, DEWSBURY, WF12 9EA Classification: Powder Coatings Status: Active Positional Accuracy: Automatically positioned to the address</p> | A12NW (W) | 713 | - | 422737 420041 |
| 201 | <p>Contemporary Trade Directory Entries</p> <p>Name: Techfill Ltd Location: The Switch House, Calder Road, Dewsbury, West Yorkshire, WF12 9EA Classification: Chemicals & Allied Products Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A12NW (W) | 714 | - | 422737 420044 |
| 201 | <p>Contemporary Trade Directory Entries</p> <p>Name: Specialised Aluminium Coatings Ltd Location: The Switch House, Calder Road, Dewsbury, West Yorkshire, WF12 9EA Classification: Powder Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A12NW (W) | 714 | - | 422737 420044 |
| 202 | <p>Contemporary Trade Directory Entries</p> <p>Name: Yorkshire Distribution Services Location: Ravenswharfe Rd, Dewsbury, West Yorkshire, WF13 3RD Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p> | A18NW (N) | 725 | - | 423193 420565 |
| 203 | <p>Contemporary Trade Directory Entries</p> <p>Name: Lawton Yarns Ltd Location: Ravens ING Mills, Huddersfield Road, Dewsbury, WF13 3JF Classification: Knitting Yarn Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 727 | - | 422977 420435 |
| 203 | <p>Contemporary Trade Directory Entries</p> <p>Name: William S Graham Ltd Location: Ravens Ing Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JF Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 727 | - | 422977 420436 |
| 204 | <p>Contemporary Trade Directory Entries</p> <p>Name: Heritage Jaguar Parts Location: Unit 7, Calder Wharf Mills, Huddersfield Road, Dewsbury, WF13 3JW Classification: Classic Car Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 731 | - | 422862 420314 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 204 | <p>Contemporary Trade Directory Entries</p> <p>Name: P & K Motorcycles Location: Unit 7a, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 734 | - | 422853 420307 |
| 204 | <p>Contemporary Trade Directory Entries</p> <p>Name: Croft Autos Location: Unit 7, Calder Wharf Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 734 | - | 422853 420307 |
| 204 | <p>Contemporary Trade Directory Entries</p> <p>Name: Q M Architectural Systems Location: Unit 7, Calder Wharf Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Aluminium Fabricators Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 748 | - | 422846 420321 |
| 204 | <p>Contemporary Trade Directory Entries</p> <p>Name: Speed Metal Fabrications Location: Unit 2, Calder Wharf Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Aluminium Fabricators Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 748 | - | 422846 420321 |
| 204 | <p>Contemporary Trade Directory Entries</p> <p>Name: Ultrasonic Cleaning Location: Unit 14 Riverside Way, Dewsbury, WF13 3JG Classification: Industrial Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p> | A17SE (NW) | 753 | - | 422822 420296 |
| 205 | <p>Contemporary Trade Directory Entries</p> <p>Name: Hudson'S Office Furniture Ltd Location: 1, Ravenswharfe Road, Dewsbury, West Yorkshire, WF13 3RD Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NW (N) | 759 | - | 423156 420586 |
| 205 | <p>Contemporary Trade Directory Entries</p> <p>Name: Wilsons Underlays Location: Ravenswharfe Mills, Ravenswharfe Road, Dewsbury, WF13 3RD Classification: Carpets & Rugs - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p> | A18NW (N) | 770 | - | 423145 420594 |
| 205 | <p>Contemporary Trade Directory Entries</p> <p>Name: Hudsons Office Furniture Location: 1, Ravenswharfe Road, Dewsbury, West Yorkshire, WF13 3RD Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address</p> | A18NW (N) | 778 | - | 423156 420607 |
| 205 | <p>Contemporary Trade Directory Entries</p> <p>Name: Kgn Motor Trade Co Ltd Location: 299, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3RW Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NW (N) | 800 | - | 423179 420639 |
| 205 | <p>Contemporary Trade Directory Entries</p> <p>Name: Kirklees Motor Co Ltd Location: Jay Car Sales, 299, Huddersfield Road, Dewsbury, WF13 3RW Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address</p> | A18NW (N) | 803 | - | 423182 420644 |
| 205 | <p>Contemporary Trade Directory Entries</p> <p>Name: The Autocentre Dewsbury Ltd Location: 299, Huddersfield Road, Dewsbury, WF13 3RW Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p> | A18NW (N) | 803 | - | 423182 420644 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 206 | <p>Contemporary Trade Directory Entries</p> <p>Name: G Wilson Fibres Location: Scout Hill Road, Dewsbury, West Yorkshire, WF13 3RQ Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NW (N) | 760 | - | 423290 420631 |
| 207 | <p>Contemporary Trade Directory Entries</p> <p>Name: Victoria Motor Location: Slaithwaite Road, DEWSBURY, West Yorkshire, WF12 9DJ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A14NE (E) | 771 | - | 424252 419986 |
| 208 | <p>Contemporary Trade Directory Entries</p> <p>Name: Gulf Service Station Location: Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JE Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 775 | - | 422891 420419 |
| 208 | <p>Contemporary Trade Directory Entries</p> <p>Name: Gm Car Sales Location: Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JE Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 775 | - | 422891 420419 |
| 208 | <p>Contemporary Trade Directory Entries</p> <p>Name: D K R Ltd Location: Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JE Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 775 | - | 422891 420419 |
| 209 | <p>Contemporary Trade Directory Entries</p> <p>Name: Newlay Concrete Ltd Location: Thornhill Works, Calder Road, Dewsbury, West Yorkshire, WF12 9HY Classification: Concrete Products Status: Active Positional Accuracy: Automatically positioned to the address</p> | A12NW (W) | 777 | - | 422649 419960 |
| 209 | <p>Contemporary Trade Directory Entries</p> <p>Name: Geoff Ricketts Location: Thornhill Works, Calder Road, Dewsbury, West Yorkshire, WF12 9HY Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A12NW (W) | 777 | - | 422649 419960 |
| 209 | <p>Contemporary Trade Directory Entries</p> <p>Name: Newlay Asphalt Ltd Location: Thornhill Works, Calder Road, Dewsbury, WF12 9HY Classification: Asphalt & Macadam Suppliers Status: Active Positional Accuracy: Automatically positioned to the address</p> | A12NW (W) | 779 | - | 422647 419960 |
| 210 | <p>Contemporary Trade Directory Entries</p> <p>Name: Scrap Yard In Dewsbury Htt Location: Unit 36, Dewsbury, West Yorkshire, wf13 3rq Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p> | A18NW (N) | 777 | - | 423316 420654 |
| 210 | <p>Contemporary Trade Directory Entries</p> <p>Name: Ackurite Location: Unit 7, Riverbank Enterprise Centre, Scout Hill Road, Dewsbury, West Yorkshire, WF13 3RQ Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NW (N) | 777 | - | 423316 420654 |
| 210 | <p>Contemporary Trade Directory Entries</p> <p>Name: S M S Machine Tools Location: Unit 3, Riverbank Enterprise Centre, Scout Hill Road, Dewsbury, West Yorkshire, WF13 3RQ Classification: Machine Tools - Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NW (N) | 777 | - | 423316 420654 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 210 | <p>Contemporary Trade Directory Entries</p> <p>Name: Cedric Roberts Location: Unit 28,Riverbank Enterprise Centre,Scout Hill Rd, Dewsbury, West Yorkshire, WF13 3RQ Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A18NW (N) | 777 | - | 423316 420654 |
| 210 | <p>Contemporary Trade Directory Entries</p> <p>Name: Sonter Engineering Location: Unit 13, Riverbank Enterprise Centre, Scout Hill Road, Dewsbury, WF13 3RQ Classification: Pumps - Sales, Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address</p> | A18NW (N) | 793 | - | 423331 420672 |
| 210 | <p>Contemporary Trade Directory Entries</p> <p>Name: Sonter Engineering Location: Unit 13 Riverbank Enterprise Centre,Scout Hill Road, Dewsbury, West Yorkshire, WF13 3RQ Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NW (N) | 793 | - | 423331 420672 |
| 211 | <p>Contemporary Trade Directory Entries</p> <p>Name: A & S Printing Services Location: Unit 8,Dewsbury Mills,Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A19SW (NE) | 780 | - | 424082 420374 |
| 211 | <p>Contemporary Trade Directory Entries</p> <p>Name: A & S Transferprints Ltd Location: Unit 4b, Thornhill Road, DEWSBURY, West Yorkshire, WF12 9QE Classification: Lithographic Plate Makers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A19SW (NE) | 797 | - | 424071 420412 |
| 212 | <p>Contemporary Trade Directory Entries</p> <p>Name: Hallmark Garage Location: Unit 6, Ravensbridge Industrial Estate, Bridge Street, Dewsbury, West Yorkshire, WF13 3EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17NE (NW) | 792 | - | 422961 420507 |
| 212 | <p>Contemporary Trade Directory Entries</p> <p>Name: Hallmark Garage Location: Unit 6, Ravensbridge Industrial Estate, Bridge Street, Dewsbury, West Yorkshire, WF13 3EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17NE (NW) | 795 | - | 422953 420504 |
| 212 | <p>Contemporary Trade Directory Entries</p> <p>Name: Electro Coatings Location: Ravensbridge Ind Est,Bridge St, Dewsbury, West Yorkshire, WF13 3EN Classification: Powder Coatings Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p> | A17NE (NW) | 802 | - | 422969 420526 |
| 212 | <p>Contemporary Trade Directory Entries</p> <p>Name: Adam Fire Surrounds Location: Ravensbridge Ind Est Bridge St, Dewsbury, West Yorkshire, WF13 3EN Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p> | A17NE (NW) | 809 | - | 422938 420510 |
| 212 | <p>Contemporary Trade Directory Entries</p> <p>Name: D M R Commercials Location: Unit 4, Ravensbridge Industrial Estate, Bridge Street, DEWSBURY, West Yorkshire, WF13 3EN Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17NE (NW) | 815 | - | 422943 420522 |
| 212 | <p>Contemporary Trade Directory Entries</p> <p>Name: Spot On Recovery & Tyres Location: Unit 3, Ravensbridge Industrial Estate, Bridge Street, Dewsbury, WF13 3EN Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17NE (NW) | 822 | - | 422945 420533 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 212 | <p>Contemporary Trade Directory Entries</p> <p>Name: Gti Unit Location: Unit 1-2, Ravensbridge Industrial Estate, Bridge Street, Dewsbury, West Yorkshire, WF13 3EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17NE (NW) | 827 | - | 422934 420530 |
| 212 | <p>Contemporary Trade Directory Entries</p> <p>Name: Vr Vdubs Location: Unit 1-2, Ravensbridge Industrial Estate, Bridge Street, Dewsbury, West Yorkshire, WF13 3EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17NE (NW) | 827 | - | 422934 420530 |
| 212 | <p>Contemporary Trade Directory Entries</p> <p>Name: Total Conveyor Services Location: Unit 1/2, Ravensbridge Industrial Estate, Bridge Street, Dewsbury, West Yorkshire, WF13 3EN Classification: Conveyors & Conveyor Belts Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A17NE (NW) | 827 | - | 422934 420530 |
| 212 | <p>Contemporary Trade Directory Entries</p> <p>Name: Gti Unit Location: Unit 1-2, Ravensbridge Industrial Estate, Bridge Street, Dewsbury, West Yorkshire, WF13 3EN Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17NE (NW) | 827 | - | 422934 420530 |
| 212 | <p>Contemporary Trade Directory Entries</p> <p>Name: Gti Garage & Recovery Services Location: Unit 1-2, Ravensbridge Industrial Estate, Bridge Street, Dewsbury, West Yorkshire, WF13 3EN Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17NE (NW) | 827 | - | 422934 420530 |
| 213 | <p>Contemporary Trade Directory Entries</p> <p>Name: J R S Location: Unit 2, Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A19SW (NE) | 800 | - | 424042 420444 |
| 214 | <p>Contemporary Trade Directory Entries</p> <p>Name: Composite Windows Direct Ltd Location: Unit 20, Calder Wharf Mills, Huddersfield Road, Dewsbury, WF13 3JW Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SW (NW) | 802 | - | 422704 420199 |
| 215 | <p>Contemporary Trade Directory Entries</p> <p>Name: Rustyvespa Location: Unit 8 Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A19SW (NE) | 828 | - | 424021 420501 |
| 215 | <p>Contemporary Trade Directory Entries</p> <p>Name: Rustyvespa Location: Unit 81c Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the address or location</p> | A19SW (NE) | 828 | - | 424021 420501 |
| 215 | <p>Contemporary Trade Directory Entries</p> <p>Name: J & G Archers Ltd Location: DEWSBURY MILLS, THORNHILL ROAD, DEWSBURY, WF12 9QE Classification: Window Frames - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address</p> | A19SW (NE) | 828 | - | 424021 420501 |
| 215 | <p>Contemporary Trade Directory Entries</p> <p>Name: Calder Textiles Location: Anchor House, Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A19NW (NE) | 834 | - | 424014 420515 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 215 | <p>Contemporary Trade Directory Entries</p> <p>Name: Calder Group Location: Anchor House Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p> | A19NW (NE) | 834 | - | 424014 420514 |
| 215 | <p>Contemporary Trade Directory Entries</p> <p>Name: Anchor Carpets Ltd Location: Anchor House, Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Carpets & Rugs - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A19NW (NE) | 834 | - | 424014 420515 |
| 215 | <p>Contemporary Trade Directory Entries</p> <p>Name: V F M Products Ltd Location: Anchor House, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Paint Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A19NW (NE) | 834 | - | 424014 420514 |
| 215 | <p>Contemporary Trade Directory Entries</p> <p>Name: Kingfisher Printing & Products Location: Anchor House, Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A19NW (NE) | 834 | - | 424014 420515 |
| 215 | <p>Contemporary Trade Directory Entries</p> <p>Name: General Haulage Co Ltd Location: Anchor House, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Road Haulage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality</p> | A19NW (NE) | 834 | - | 424014 420514 |
| 215 | <p>Contemporary Trade Directory Entries</p> <p>Name: Burdekin Combustion Location: Anchor House, Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A19NW (NE) | 835 | - | 424014 420515 |
| 215 | <p>Contemporary Trade Directory Entries</p> <p>Name: Mark Brooke (Textile Waste) Ltd Location: Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Waste Merchants Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A19NW (NE) | 865 | - | 424054 420522 |
| 216 | <p>Contemporary Trade Directory Entries</p> <p>Name: Traffic Light Rentals Location: Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p> | A19SW (NE) | 829 | - | 424072 420456 |
| 216 | <p>Contemporary Trade Directory Entries</p> <p>Name: Holding Co Tristar Sports Ltd Location: Unit 5d Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Screen Process Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A19SW (NE) | 832 | - | 424102 420430 |
| 216 | <p>Contemporary Trade Directory Entries</p> <p>Name: Joinery Spray Finishers Location: Unit 5c, Dewsbury Mills, Thornhill Road, Dewsbury, WF12 9QE Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A19SW (NE) | 841 | - | 424102 420442 |
| 217 | <p>Contemporary Trade Directory Entries</p> <p>Name: R K Motors Dewsbury Ltd Location: 459, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JE Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 834 | - | 422806 420411 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 217 | <p>Contemporary Trade Directory Entries</p> <p>Name: A1 Motor Group Ltd Location: 459 Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JE Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 835 | - | 422806 420411 |
| 217 | <p>Contemporary Trade Directory Entries</p> <p>Name: Johnson Cleaners (Uk) Ltd Location: 487, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 847 | - | 422784 420403 |
| 217 | <p>Contemporary Trade Directory Entries</p> <p>Name: Johnsons The Cleaners Location: 487 Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 847 | - | 422784 420403 |
| 217 | <p>Contemporary Trade Directory Entries</p> <p>Name: Tansu Coatings Location: 487, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Powder Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SE (NW) | 847 | - | 422784 420403 |
| 218 | <p>Contemporary Trade Directory Entries</p> <p>Name: Amtex Fibres Ltd Location: Calder Vale Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JL Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SW (NW) | 838 | - | 422706 420276 |
| 218 | <p>Contemporary Trade Directory Entries</p> <p>Name: Yorkshire Beds Ltd Location: Caldervale Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JL Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SW (NW) | 838 | - | 422706 420276 |
| 218 | <p>Contemporary Trade Directory Entries</p> <p>Name: Fourty Winks (Uk) Ltd Location: Caldervale Mills, Huddersfield Rd, Dewsbury, West Yorkshire, WF13 3JL Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A17SW (NW) | 838 | - | 422706 420276 |
| 218 | <p>Contemporary Trade Directory Entries</p> <p>Name: Global Components (Uk) Ltd Location: Caldervale Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JL Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SW (NW) | 838 | - | 422706 420276 |
| 219 | <p>Contemporary Trade Directory Entries</p> <p>Name: Warren Johnson Location: Unit 8-9, Ravensbridge Industrial Estate, Bridge Street, Dewsbury, West Yorkshire, WF13 3EN Classification: Waste Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17NE (NW) | 840 | - | 422895 420513 |
| 219 | <p>Contemporary Trade Directory Entries</p> <p>Name: Ultimate Imports Ltd Location: Unit 10, Ravensbridge Industrial Estate, Bridge Street, Dewsbury, West Yorkshire, WF13 3EN Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17NE (NW) | 840 | - | 422895 420513 |
| 220 | <p>Contemporary Trade Directory Entries</p> <p>Name: Sita Uk Ltd Location: Weaving Lane, Dewsbury, West Yorkshire, WF12 9QR Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NE (N) | 842 | - | 423603 420719 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 220 | <p>Contemporary Trade Directory Entries</p> <p>Name: Sita Kirklees Waste Services Location: Weaving Lane, Dewsbury, WF12 9QR Classification: Reclaiming - Waste Products Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NE (N) | 842 | - | 423596 420720 |
| 221 | <p>Contemporary Trade Directory Entries</p> <p>Name: Mabey Hire Ltd Location: 1-5, RAILWAY STREET, SCOUT HILL, DEWSBURY, WF13 3EJ Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17NE (NW) | 843 | - | 423086 420646 |
| 222 | <p>Contemporary Trade Directory Entries</p> <p>Name: Just Tyres Location: 299, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3RW Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address</p> | A18NW (N) | 846 | - | 423223 420702 |
| 222 | <p>Contemporary Trade Directory Entries</p> <p>Name: Tassels Partnership Location: Stoney Bank St, Dewsbury, West Yorkshire, WF13 3RJ Classification: Carpets & Rugs - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p> | A18NW (N) | 852 | - | 423268 420720 |
| 222 | <p>Contemporary Trade Directory Entries</p> <p>Name: Arronjames.Co.Uk Location: Huddersfield Rd, Dewsbury, West Yorkshire, WF13 2RP Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p> | A18NW (N) | 874 | - | 423230 420734 |
| 223 | <p>Contemporary Trade Directory Entries</p> <p>Name: British Milerain Location: Calder Works, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QQ Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NE (N) | 862 | - | 423683 420722 |
| 224 | <p>Contemporary Trade Directory Entries</p> <p>Name: Hi-Q Location: 499, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SW (NW) | 890 | - | 422725 420396 |
| 224 | <p>Contemporary Trade Directory Entries</p> <p>Name: Hiq Tyre Services Location: 499, Huddersfield Road, Dewsbury, WF13 3JW Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p> | A17SW (NW) | 891 | - | 422724 420396 |
| 225 | <p>Contemporary Trade Directory Entries</p> <p>Name: Calderdale Carpets Location: Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Classification: Carpets & Rugs - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p> | A19NW (NE) | 892 | - | 423982 420611 |
| 226 | <p>Contemporary Trade Directory Entries</p> <p>Name: A M T Ltd Location: Calder Road, Dewsbury, West Yorkshire, WF13 3JS Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A12NW (W) | 898 | - | 422556 420082 |
| 227 | <p>Contemporary Trade Directory Entries</p> <p>Name: Senior Packaging & Engineering Location: Unit 5, Scout Hill Mills, Broad Street, Dewsbury, West Yorkshire, WF13 3SA Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NE (N) | 906 | - | 423489 420795 |
| 227 | <p>Contemporary Trade Directory Entries</p> <p>Name: Allied Freight Systems Ltd Location: Unit 7, Scout Hill Mills, Broad Street, Dewsbury, West Yorkshire, WF13 3SA Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NE (N) | 906 | - | 423489 420795 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 227 | <p>Contemporary Trade Directory Entries</p> <p>Name: Textronix Ltd Location: Scout Hill Mills, Broad Street, Dewsbury, West Yorkshire, WF13 3SA Classification: Electric Motor Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NE (N) | 906 | - | 423489 420795 |
| 227 | <p>Contemporary Trade Directory Entries</p> <p>Name: XI Auto Centre Location: Unit 5-6, Scout Hill Mills, Broad Street, Dewsbury, West Yorkshire, WF13 3SA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A18NE (N) | 906 | - | 423489 420795 |
| 227 | <p>Contemporary Trade Directory Entries</p> <p>Name: Pioneer Brush Location: Stross House, Broad Street, DEWSBURY, West Yorkshire, WF13 3SA Classification: Brush Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p> | A18NE (N) | 906 | - | 423489 420795 |
| 227 | <p>Contemporary Trade Directory Entries</p> <p>Name: M J & G Stross Ltd Location: Scout Hill Mills, Broad St, Dewsbury, West Yorkshire, WF13 3SA Classification: Waste Merchants Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A18NE (N) | 926 | - | 423504 420814 |
| 228 | <p>Contemporary Trade Directory Entries</p> <p>Name: Kirklees Recycling Location: Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Recycling Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p> | A19NW (NE) | 909 | - | 424089 420549 |
| 229 | <p>Contemporary Trade Directory Entries</p> <p>Name: White Rose Pine & Beds Location: White Rose Pine UK Ltd Unit 6, Ravensthorpe Mills, Huddersfield Road, Dewsbury, WF13 3NA Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SW (NW) | 916 | - | 422614 420273 |
| 229 | <p>Contemporary Trade Directory Entries</p> <p>Name: Alpha Foam Location: Unit 1-3, Ravensthorpe Mills, Huddersfield Road, Dewsbury, WF13 3NA Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SW (NW) | 916 | - | 422614 420273 |
| 229 | <p>Contemporary Trade Directory Entries</p> <p>Name: Ulster Yarns Ltd Location: Ravensthorpe Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3NA Classification: Textile Manufacturing Status: Active Positional Accuracy: Automatically positioned to the address</p> | A17SW (NW) | 916 | - | 422615 420274 |
| 229 | <p>Contemporary Trade Directory Entries</p> <p>Name: Kayflex Location: Ravensthorpe Mills, Huddersfield Rd, Dewsbury, West Yorkshire, WF13 3NA Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p> | A17SW (NW) | 916 | - | 422615 420274 |
| 230 | <p>Contemporary Trade Directory Entries</p> <p>Name: R L Distribution Location: Unit 14, Calder Wharf Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address</p> | A17SW (NW) | 922 | - | 422658 420357 |
| 230 | <p>Contemporary Trade Directory Entries</p> <p>Name: Elders Trading Ltd Location: Calder Wharf Mills, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3JW Classification: Waste Merchants Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address</p> | A17SW (NW) | 922 | - | 422658 420357 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 231 | Contemporary Trade Directory Entries Name: Hunter Grab Hire Location: Weaving Lane, Dewsbury, West Yorkshire, WF12 9QR Classification: Concrete Manufacturers & Distributors Status: Active Positional Accuracy: Manually positioned within the geographical locality | A18NE (N) | 929 | - | 423623 420804 |
| 231 | Contemporary Trade Directory Entries Name: Armley Chairworks Ltd Location: Unit 1, Thornhill Industrial Estate, Weaving Lane, Dewsbury, West Yorkshire, WF12 9QR Classification: Homefurnishings - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address | A18NE (N) | 930 | - | 423619 420806 |
| 231 | Contemporary Trade Directory Entries Name: Suez Location: Weaving Lane, Dewsbury, West Yorkshire, WF12 9QR Classification: Waste Disposal Services Status: Active Positional Accuracy: Manually positioned within the geographical locality | A18NE (N) | 931 | - | 423619 420806 |
| 232 | Contemporary Trade Directory Entries Name: Gamma Illumination Location: Conway House, Thornhill Road, Dewsbury, WF12 9QT Classification: Lighting Manufacturers Status: Active Positional Accuracy: Manually positioned to the road within the address or location | A19NW (N) | 941 | - | 423824 420756 |
| 233 | Contemporary Trade Directory Entries Name: Euro Textiles Location: Unit 32, Huddersfield Rd, Dewsbury, West Yorkshire, WF13 3JL Classification: Recycling Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location | A17SW (NW) | 947 | - | 422680 420430 |
| 233 | Contemporary Trade Directory Entries Name: Dixon Hall & Co Ltd Location: 490, Huddersfield Road, Dewsbury, West Yorkshire, WF13 3ET Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address | A17SW (NW) | 972 | - | 422659 420444 |
| 234 | Contemporary Trade Directory Entries Name: Brian Cook Location: Calder Rd, Dewsbury, West Yorkshire, WF13 3JT Classification: Blast Cleaning Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location | A17SW (NW) | 952 | - | 422550 420224 |
| 235 | Contemporary Trade Directory Entries Name: Fred Smithson Location: Anchor Mills Foundry, Water La, Dewsbury, West Yorkshire, WF12 9PY Classification: Foundries Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location | A19NW (NE) | 954 | - | 423901 420734 |
| 235 | Contemporary Trade Directory Entries Name: A J Motorspares Location: 1-4, WATER LANE, THORNHILL LEES, DEWSBURY, WF12 9PY Classification: Car Breakers & Dismantlers Status: Active Positional Accuracy: Automatically positioned to the address | A19NW (NE) | 975 | - | 423923 420746 |
| 236 | Contemporary Trade Directory Entries Name: Eclipse Beds Ltd Location: 9 Broad St, Dewsbury, West Yorkshire, WF13 3SA Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality | A23SE (N) | 956 | - | 423496 420845 |
| 236 | Contemporary Trade Directory Entries Name: Gb Projects Ltd Location: GB Projects Ltd Unit 11a, Scout Hill Mills, Broad Street, Dewsbury, WF13 3SA Classification: Office Furniture & Equipment Status: Active Positional Accuracy: Automatically positioned to the address | A23SE (N) | 956 | - | 423535 420843 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 236 | <p>Contemporary Trade Directory Entries</p> <p>Name: Jvs Automobiles Location: Stross House, Broad Street, Dewsbury, West Yorkshire, WF13 3SA Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A23SE (N) | 956 | - | 423496 420845 |
| 236 | <p>Contemporary Trade Directory Entries</p> <p>Name: Calder Coaches Location: Baric Storage Broad Street, Dewsbury, West Yorkshire, WF13 3SA Classification: Bus & Coach Operators & Stations Status: Active Positional Accuracy: Manually positioned within the geographical locality</p> | A23SE (N) | 957 | - | 423535 420843 |
| 237 | <p>Contemporary Trade Directory Entries</p> <p>Name: Steelapeal Designs Location: Unit 23 Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Classification: Wrought Ironwork Status: Inactive Positional Accuracy: Manually positioned to the address or location</p> | A19NW (NE) | 962 | - | 424084 420622 |
| 238 | <p>Contemporary Trade Directory Entries</p> <p>Name: A & G Scaffolding Services Ltd Location: Back Slaithwaite Road, Dewsbury, West Yorkshire, WF12 9DS Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A14NE (E) | 970 | - | 424453 419988 |
| 239 | <p>Contemporary Trade Directory Entries</p> <p>Name: Calder Vale Dryers Ltd Location: Branch Mills, Netherfield Road, Dewsbury, West Yorkshire, WF13 3JU Classification: Dyers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A12NW (W) | 971 | - | 422492 420124 |
| 239 | <p>Contemporary Trade Directory Entries</p> <p>Name: The Original Big Old Doors Ltd Location: Unit 3, Netherfield Works, Bradford Road, Cleckheaton, BD19 3JP Classification: Door Manufacturers - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SW (W) | 990 | - | 422489 420173 |
| 239 | <p>Contemporary Trade Directory Entries</p> <p>Name: Wood & Laycock Location: Unit 3, Netherfield Mills, Calder Road, Dewsbury, West Yorkshire, WF13 3JS Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p> | A17SW (W) | 992 | - | 422484 420166 |
| 240 | <p>Contemporary Trade Directory Entries</p> <p>Name: Yorkshire Car Sales Location: Huddersfield Rd, Dewsbury, West Yorkshire, WF13 3SF Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p> | A23SW (N) | 991 | - | 423416 420880 |
| 241 | <p>Fuel Station Entries</p> <p>Name: Wakefield Service Station Location: Slaithwaite Road , Thornhill Lees , Dewsbury, West Yorkshire, WF12 9DJ Brand: Murco Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address</p> | A14NE (E) | 770 | - | 424251 419985 |
| 242 | <p>Fuel Station Entries</p> <p>Name: Ravensthorpe Service Station Location: Huddersfield Road , Ravensthorpe , Dewsbury, West Yorkshire, WF13 3JE Brand: Shell Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location</p> | A17SE (NW) | 785 | - | 422881 420423 |
| 243 | <p>Fuel Station Entries</p> <p>Name: Spen Service Station Location: Huddersfield Road , Ravensthorpe , Dewsbury, West Yorkshire, WF13 3HH Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Located by supplier to within 10m</p> | A17SW (NW) | 908 | - | 422676 420358 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 244 | Points of Interest - Commercial Services Name: Premium Timber Products Ltd Location: Forge Lane, Dewsbury, WF12 9EJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A13NE (NE) | 54 | 8 | 423544 419872 |
| 245 | Points of Interest - Commercial Services Name: A J S Motor Engineers Location: Unit 2 Lees Hall Farm, Lees Hall Road, Dewsbury, WF12 9EQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A13NW (NW) | 239 | 8 | 423254 420016 |
| 246 | Points of Interest - Commercial Services Name: C H Davis Foods Ltd Location: Unit 5 Ratcliffe Mills, Forge Lane, Dewsbury, WF12 9BU Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A19SW (NE) | 561 | 8 | 423932 420212 |
| 246 | Points of Interest - Commercial Services Name: Chapel Products Ltd Location: Ratcliffe Mills, Forge Lane, Thornhill Lees, Dewsbury, WF12 9BU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A19SW (NE) | 561 | 8 | 423932 420212 |
| 246 | Points of Interest - Commercial Services Name: Waterside Soft Drinks Location: Unit 5 Ratcliffe Mills, Forge Lane, Dewsbury, WF12 9BU Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A19SW (NE) | 561 | 8 | 423932 420212 |
| 246 | Points of Interest - Commercial Services Name: Chapel Products Location: Ratcliffe Mills, Forge Lane, Dewsbury, WF12 9BU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A19SW (NE) | 562 | 8 | 423932 420212 |
| 247 | Points of Interest - Commercial Services Name: K D Wigglesworth Ltd Location: Ravensthorpe Road, Dewsbury, WF12 9ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A12NE (W) | 582 | 8 | 422846 419946 |
| 247 | Points of Interest - Commercial Services Name: K D Wigglesworth Location: Ravensthorpe Road, Dewsbury, WF12 9ED Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A12NE (W) | 582 | 8 | 422846 419945 |
| 248 | Points of Interest - Commercial Services Name: Progress Group Ltd Location: Dale Works, Brewery Lane, Dewsbury, WF12 9HU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A14NW (E) | 635 | 8 | 424118 419962 |
| 248 | Points of Interest - Commercial Services Name: Auto Electrics Dewsbury Ltd Location: Dale Works, Brewery Lane, Dewsbury, WF12 9HU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A14NW (E) | 635 | 8 | 424118 419962 |
| 249 | Points of Interest - Commercial Services Name: Scrap Metal Yard Location: WF13 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location | A18NW (N) | 709 | 8 | 423330 420587 |
| 249 | Points of Interest - Commercial Services Name: Scrap Metal Yard Location: Not Supplied Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location | A18NW (N) | 710 | 8 | 423336 420589 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 250 | Points of Interest - Commercial Services Name: R W Edwards & Sons Ltd Location: Ravenswharfe Road, Dewsbury, WF13 3RD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A18NW (N) | 725 | 8 | 423193 420565 |
| 250 | Points of Interest - Commercial Services Name: R W Edwards & Sons Haulage Contractors Ltd Location: Ravenswharfe Road, Dewsbury, WF13 3RD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A18NW (N) | 725 | 8 | 423193 420565 |
| 250 | Points of Interest - Commercial Services Name: Scrap Metal Yard Location: WF13 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location | A18NW (N) | 733 | 8 | 423252 420593 |
| 250 | Points of Interest - Commercial Services Name: Y D S UK Ltd Location: 1 Ravenswharfe Road, Dewsbury, WF13 3RD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A18NW (N) | 759 | 8 | 423156 420586 |
| 250 | Points of Interest - Commercial Services Name: The Autocentre Dewsbury Ltd Location: 299 Huddersfield Road, Scout Hill, Dewsbury, WF13 3RW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A18NW (N) | 802 | 8 | 423181 420643 |
| 251 | Points of Interest - Commercial Services Name: Croft Autos Location: Unit 7 Calder Wharf Mills, Huddersfield Road, Dewsbury, WF13 3JW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A17SE (NW) | 734 | 8 | 422853 420307 |
| 251 | Points of Interest - Commercial Services Name: Croft Autos Location: Unit 7 Calder Wharf Mills, Huddersfield Road, Dewsbury, WF13 3JW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A17SE (NW) | 734 | 8 | 422853 420307 |
| 251 | Points of Interest - Commercial Services Name: P & K Motorcycles Location: Calder Wharf Mills, Huddersfield Road, Ravensthorpe, Dewsbury, WF13 3JW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A17SE (NW) | 734 | 8 | 422853 420306 |
| 251 | Points of Interest - Commercial Services Name: P & K Motorcycles Location: Unit 7A, Huddersfield Road, Dewsbury, WF13 3JW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A17SE (NW) | 748 | 8 | 422846 420321 |
| 251 | Points of Interest - Commercial Services Name: Speed Metal Fabrications Ltd Location: Unit 2 Calder Wharf Mills, Huddersfield Road, Dewsbury, WF13 3JW Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location | A17SE (NW) | 748 | 8 | 422846 420321 |
| 252 | Points of Interest - Commercial Services Name: Victoria Motors Location: Slaithwaite Road, Dewsbury, WF12 9DJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A14NE (E) | 771 | 8 | 424252 419986 |
| 253 | Points of Interest - Commercial Services Name: Car Wash Location: Huddersfield Road, Dewsbury, WF13 3JE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location | A17SE (NW) | 775 | 8 | 422891 420419 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 253 | Points of Interest - Commercial Services Name: Ravensthorpe Service Station Location: Huddersfield Road, Dewsbury, WF13 3JE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location | A17SE (NW) | 785 | 8 | 422881 420423 |
| 253 | Points of Interest - Commercial Services Name: Wax On Wax Off Mobile Valeting Specialist Location: 7 Commercial Street, Ravensthorpe, Dewsbury, WF13 3EW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location | A17SE (NW) | 856 | 8 | 422825 420466 |
| 254 | Points of Interest - Commercial Services Name: Warren Johnson Waste Processors Ltd Location: 400 Huddersfield Road, Dewsbury, WF13 3EL Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location | A17SE (NW) | 784 | 8 | 422947 420485 |
| 254 | Points of Interest - Commercial Services Name: Hallmark Garage Location: Unit 6 Ravensbridge Industrial Estate, Bridge Street, Dewsbury, WF13 3EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A17NE (NW) | 792 | 8 | 422961 420507 |
| 254 | Points of Interest - Commercial Services Name: Autobahn Garage Location: Unit 6 Ravensbridge Industrial Estate, Bridge Street, Dewsbury, WF13 3EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A17NE (NW) | 792 | 8 | 422961 420507 |
| 254 | Points of Interest - Commercial Services Name: Hallmark Garage Location: Unit 6 Ravensbridge Industrial Estate, Bridge Street, Dewsbury, WF13 3EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A17NE (NW) | 795 | 8 | 422953 420504 |
| 254 | Points of Interest - Commercial Services Name: D M R Commercials Location: Unit 4 Ravensbridge Industrial Estate, Bridge Street, Dewsbury, WF13 3EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A17NE (NW) | 815 | 8 | 422943 420522 |
| 254 | Points of Interest - Commercial Services Name: U F L Logistics Location: Unit 1-2 Ravensbridge Industrial Estate, Bridge Street, Dewsbury, WF13 3EN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A17NE (NW) | 827 | 8 | 422933 420529 |
| 254 | Points of Interest - Commercial Services Name: Warren Johnson Location: Unit 8-9 Ravensbridge Industrial Estate, Bridge Street, Dewsbury, WF13 3EN Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location | A17NE (NW) | 840 | 8 | 422895 420513 |
| 255 | Points of Interest - Commercial Services Name: Rustyvespa Location: Unit 8 1c Dewsbury Mills, Thornhill Road, Dewsbury, WF12 9QE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A19SW (NE) | 827 | 8 | 424021 420500 |
| 255 | Points of Interest - Commercial Services Name: General Haulage Location: 151 Thornhill Road, Dewsbury, WF12 9QE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A19NW (NE) | 834 | 8 | 424014 420515 |
| 255 | Points of Interest - Commercial Services Name: General Haulage Co Ltd Location: Dewsbury Mills, Thornhill Road, Dewsbury, WF12 9QE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A19NW (NE) | 834 | 8 | 424014 420514 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 256 | Points of Interest - Commercial Services Name: Dewsbury Dasher Location: 12 West Vale, Dewsbury, WF12 9QH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A18NE (N) | 834 | 8 | 423748 420671 |
| 256 | Points of Interest - Commercial Services Name: Dewsbury Dasher Location: 12 West Vale, Dewsbury, WF12 9QH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A18NE (N) | 834 | 8 | 423748 420671 |
| 257 | Points of Interest - Commercial Services Name: Sita GB Ltd Location: Weaving Lane, Dewsbury, WF12 9QR Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location | A18NE (N) | 842 | 8 | 423603 420719 |
| 257 | Points of Interest - Commercial Services Name: Sita Kirklees Waste Services Location: Thornhill Road Weaving Lane, Dewsbury, West Yorkshire, WF12 9QR Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location | A18NE (N) | 842 | 8 | 423603 420719 |
| 258 | Points of Interest - Commercial Services Name: HiQ Centre Location: 499 Huddersfield Road, Dewsbury, WF13 3JW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A17SW (NW) | 890 | 8 | 422725 420396 |
| 258 | Points of Interest - Commercial Services Name: Hiq Tyre Services Location: 499 Huddersfield Road, Dewsbury, WF13 3JW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A17SW (NW) | 890 | 8 | 422725 420396 |
| 258 | Points of Interest - Commercial Services Name: HiQ Centre Location: 499 Huddersfield Road, Ravensthorpe, Dewsbury, WF13 3JW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A17SW (NW) | 891 | 8 | 422724 420396 |
| 259 | Points of Interest - Commercial Services Name: Xi Auto Centre Location: Unit 5-6 Scout Hill Mills, Broad Street, Dewsbury, WF13 3SA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A18NE (N) | 906 | 8 | 423489 420795 |
| 259 | Points of Interest - Commercial Services Name: Xi Auto Centre Location: Unit 5-6 Scout Hill Mills, Broad Street, Dewsbury, WF13 3SA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A18NE (N) | 906 | 8 | 423489 420795 |
| 260 | Points of Interest - Commercial Services Name: Steelapeal Designs Location: Unit 23 Dewsbury Mills, Thornhill Rd, Dewsbury, West Yorkshire, WF12 9QE Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location | A19NW (NE) | 962 | 8 | 424084 420622 |
| 260 | Points of Interest - Commercial Services Name: Steelapeal Designs Location: Unit 23 Dewsbury Mills, Thornhill Road, Dewsbury, West Yorkshire, WF12 9QE Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location | A19NW (NE) | 962 | 8 | 424084 420622 |
| 260 | Points of Interest - Commercial Services Name: Traffic Light Rentals Location: Dewsbury Mills, Thornhill Road, Dewsbury, WF12 9QE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location | A19NW (NE) | 972 | 8 | 424090 420630 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 261 | Points of Interest - Commercial Services Name: A J Motorspars Location: Unit 1 to 4 Water Lane Units, Water Lane, Thornhill Lees, Dewsbury, WF12 9PY Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location | A19NW (NE) | 974 | 8 | 423923 420745 |
| 262 | Points of Interest - Commercial Services Name: Spen Body Repairs Location: 2 Netherfield Road, Dewsbury, WF13 3JY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location | A17SW (NW) | 995 | 8 | 422518 420257 |
| 263 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A13SW (S) | 0 | 8 | 423445 419797 |
| 263 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A13SE (SE) | 54 | 8 | 423495 419743 |
| 264 | Points of Interest - Manufacturing and Production Name: Works Location: WF12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location | A13SW (SW) | 0 | 8 | 423428 419804 |
| 264 | Points of Interest - Manufacturing and Production Name: Tanks Location: WF12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location | A13NW (NW) | 32 | 8 | 423402 419867 |
| 264 | Points of Interest - Manufacturing and Production Name: Tank Location: WF12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location | A13NW (NW) | 33 | 8 | 423397 419863 |
| 265 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A13NE (NE) | 52 | 8 | 423542 419867 |
| 265 | Points of Interest - Manufacturing and Production Name: Works Location: WF12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location | A13NE (E) | 54 | 8 | 423544 419861 |
| 265 | Points of Interest - Manufacturing and Production Name: Works Location: WF12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location | A13NE (NE) | 56 | 8 | 423545 419877 |
| 266 | Points of Interest - Manufacturing and Production Name: Works Location: WF12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A13NW (NW) | 226 | 8 | 423264 420008 |
| 266 | Points of Interest - Manufacturing and Production Name: Works Location: WF12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location | A13NW (NW) | 238 | 8 | 423257 420019 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 266 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A13NW (NW) | 253 | 8 | 423226 420002 |
| 266 | Points of Interest - Manufacturing and Production Name: Works Location: WF12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A13NW (NW) | 256 | 8 | 423222 420001 |
| 267 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A13NE (NE) | 282 | 8 | 423721 420028 |
| 267 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A14NW (NE) | 326 | 8 | 423794 419983 |
| 267 | Points of Interest - Manufacturing and Production Name: Works Location: WF12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location | A14NW (NE) | 333 | 8 | 423800 419988 |
| 268 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A12NE (W) | 328 | 8 | 423101 419913 |
| 268 | Points of Interest - Manufacturing and Production Name: Works Location: WF12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location | A12NE (W) | 352 | 8 | 423082 419935 |
| 269 | Points of Interest - Manufacturing and Production Name: Tanks Location: WF12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location | A14SW (E) | 508 | 8 | 423976 419705 |
| 269 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A14SW (E) | 518 | 8 | 423979 419673 |
| 269 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A14SW (E) | 576 | 8 | 424034 419656 |
| 270 | Points of Interest - Manufacturing and Production Name: Power Station Location: WF12 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location | A12NE (NW) | 565 | 8 | 422926 420112 |
| 271 | Points of Interest - Manufacturing and Production Name: Works Location: WF12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location | A12NE (W) | 637 | 8 | 422791 419953 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 271 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A12NE (W) | 640 | 8 | 422788 419951 |
| 272 | Points of Interest - Manufacturing and Production Name: Works Location: WF12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location | A14NW (E) | 642 | 8 | 424120 419990 |
| 272 | Points of Interest - Manufacturing and Production Name: Works Location: WF12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location | A14NE (E) | 644 | 8 | 424127 419963 |
| 273 | Points of Interest - Manufacturing and Production Name: Tank Location: WF13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location | A17SE (NW) | 654 | 8 | 423062 420411 |
| 274 | Points of Interest - Manufacturing and Production Name: Tank Location: WF13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location | A17SE (NW) | 749 | 8 | 422832 420303 |
| 275 | Points of Interest - Manufacturing and Production Name: Tank Location: WF13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location | A17SW (NW) | 762 | 8 | 422747 420196 |
| 276 | Points of Interest - Manufacturing and Production Name: Ravensbridge Industrial Estate Location: WF13 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location | A17SE (NW) | 767 | 8 | 422987 420496 |
| 276 | Points of Interest - Manufacturing and Production Name: Ravensbridge Industrial Estate Location: WF13 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location | A17NE (NW) | 799 | 8 | 422969 420522 |
| 277 | Points of Interest - Manufacturing and Production Name: Tanks Location: WF12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location | A18NE (N) | 768 | 8 | 423674 420626 |
| 277 | Points of Interest - Manufacturing and Production Name: Tanks Location: WF12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location | A18NE (N) | 855 | 8 | 423695 420711 |
| 278 | Points of Interest - Manufacturing and Production Name: River Bank Enterprise Centre Location: WF13 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location | A18NW (N) | 792 | 8 | 423325 420671 |
| 278 | Points of Interest - Manufacturing and Production Name: River Bank Enterprise Centre Location: WF13 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location | A18NW (N) | 797 | 8 | 423289 420669 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 279 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A12NW (W) | 846 | 8 | 422574 419933 |
| 280 | Points of Interest - Manufacturing and Production Name: Calder Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A18NE (N) | 858 | 8 | 423652 420725 |
| 281 | Points of Interest - Manufacturing and Production Name: Tank Location: WF13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location | A12NW (W) | 884 | 8 | 422566 420064 |
| 282 | Points of Interest - Manufacturing and Production Name: Calder Works Location: WF12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A18NE (N) | 914 | 8 | 423738 420759 |
| 283 | Points of Interest - Manufacturing and Production Name: Tank Location: WF12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location | A19NW (NE) | 941 | 8 | 423944 420695 |
| 283 | Points of Interest - Manufacturing and Production Name: Tank Location: WF12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location | A19NW (NE) | 973 | 8 | 424025 420679 |
| 284 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A17NE (NW) | 942 | 8 | 423032 420730 |
| 285 | Points of Interest - Manufacturing and Production Name: Works Location: WF14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location | A12SW (W) | 952 | 8 | 422457 419827 |
| 285 | Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location | A12SW (W) | 962 | 8 | 422447 419821 |
| 286 | Points of Interest - Public Infrastructure Name: Veolia Environnement Location: Ravensthorpe Road, Dewsbury, WF12 9EG Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location | A13NE (NE) | 54 | 8 | 423544 419872 |
| 286 | Points of Interest - Public Infrastructure Name: Veolia Ltd Location: Ravensthorpe Road, Dewsbury, WF12 9EG Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location | A13NE (NE) | 54 | 8 | 423544 419872 |
| 287 | Points of Interest - Public Infrastructure Name: Thornhill Junction Location: WF12 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to an adjacent address or location | A14NW (NE) | 381 | 8 | 423800 420087 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 288 | Points of Interest - Public Infrastructure Name: Spoil Tip Location: WF12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location | A12NE (W) | 414 | 8 | 423006 419894 |
| 288 | Points of Interest - Public Infrastructure Name: Spoil Tip Location: WF12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location | A12NE (W) | 477 | 8 | 422942 419894 |
| 289 | Points of Interest - Public Infrastructure Name: Sluice Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A14SW (E) | 541 | 8 | 424015 419728 |
| 289 | Points of Interest - Public Infrastructure Name: Sluice Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A14SW (E) | 549 | 8 | 424023 419730 |
| 290 | Points of Interest - Public Infrastructure Name: Filter Location: WF12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location | A17SE (NW) | 580 | 8 | 422993 420238 |
| 291 | Points of Interest - Public Infrastructure Name: Ravensthorpe Rail Station Location: WF12 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location | A12NE (W) | 583 | 8 | 422845 419945 |
| 291 | Points of Interest - Public Infrastructure Name: Ravensthorpe Station Location: Nr Ravensthorpe Road, WF12 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location | A12NE (W) | 583 | 8 | 422845 419945 |
| 292 | Points of Interest - Public Infrastructure Name: Weir Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A18SE (N) | 612 | 8 | 423552 420494 |
| 292 | Points of Interest - Public Infrastructure Name: Weir Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A18NE (N) | 640 | 8 | 423614 420510 |
| 292 | Points of Interest - Public Infrastructure Name: Weir Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A18NE (N) | 641 | 8 | 423615 420511 |
| 292 | Points of Interest - Public Infrastructure Name: Broad Dam Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A18NE (N) | 649 | 8 | 423599 420523 |
| 293 | Points of Interest - Public Infrastructure Name: Sluice Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A17SE (NW) | 643 | 8 | 422868 420167 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 293 | Points of Interest - Public Infrastructure Name: Sluice Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A17SE (NW) | 643 | 8 | 422868 420168 |
| 293 | Points of Interest - Public Infrastructure Name: Sluice Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A12NE (NW) | 655 | 8 | 422845 420151 |
| 293 | Points of Interest - Public Infrastructure Name: Sluice Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A12NE (NW) | 668 | 8 | 422826 420144 |
| 293 | Points of Interest - Public Infrastructure Name: Sluice Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A12NE (NW) | 690 | 8 | 422794 420128 |
| 294 | Points of Interest - Public Infrastructure Name: Weir Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A18SE (N) | 644 | 8 | 423687 420491 |
| 295 | Points of Interest - Public Infrastructure Name: Sluices Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A19SW (NE) | 720 | 8 | 424080 420278 |
| 295 | Points of Interest - Public Infrastructure Name: Sluices Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A19SW (NE) | 725 | 8 | 424086 420279 |
| 295 | Points of Interest - Public Infrastructure Name: Weir Location: WF12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location | A19SW (NE) | 745 | 8 | 424088 420310 |
| 296 | Points of Interest - Public Infrastructure Name: Waste Recycling Centre Location: Nr Mavis Street, WF12 Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location | A18NE (N) | 747 | 8 | 423540 420632 |
| 297 | Points of Interest - Public Infrastructure Name: Ravensthorpe Service Station Location: Huddersfield Road, Dewsbury, WF13 3JE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location | A17SE (NW) | 775 | 8 | 422891 420419 |
| 297 | Points of Interest - Public Infrastructure Name: Shell Location: Huddersfield Road, Dewsbury, WF13 3JE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location | A17SE (NW) | 783 | 8 | 422882 420421 |
| 297 | Points of Interest - Public Infrastructure Name: Gulf Service Station Location: Huddersfield Road, Dewsbury, WF13 3JE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location | A17SE (NW) | 785 | 8 | 422881 420423 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|--|--|------------------------------|---------|------------------|
| 297 | Points of Interest - Public Infrastructure Name: Ravensthorpe Service Station Location: Huddersfield Road, Dewsbury, WF13 3JE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location | A17SE (NW) | 785 | 8 | 422881 420423 |
| 298 | Points of Interest - Public Infrastructure Name: SITA UK Ltd Location: Weaving Lane, Dewsbury, WF12 9QR Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location | A18NE (N) | 842 | 8 | 423603 420719 |
| 298 | Points of Interest - Public Infrastructure Name: Sita GB Ltd Location: Weaving Lane, Dewsbury, WF12 9QR Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location | A18NE (N) | 842 | 8 | 423603 420719 |
| 299 | Points of Interest - Public Infrastructure Name: Dewsbury Fire Station Location: Fire Station, Huddersfield Road, Dewsbury, WF13 3RN Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location | A18NW (N) | 883 | 8 | 423338 420765 |
| 299 | Points of Interest - Public Infrastructure Name: Dewsbury Fire Station Location: Fire Station, Huddersfield Road, Dewsbury, WF13 3RN Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location | A18NW (N) | 883 | 8 | 423338 420765 |
| 300 | Points of Interest - Recreational and Environmental Name: Play Area Location: WF12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location | A13SE (SE) | 311 | 8 | 423618 419506 |
| 301 | Points of Interest - Recreational and Environmental Name: Play Area Location: WF12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location | A14SW (E) | 478 | 8 | 423928 419648 |
| 302 | Points of Interest - Recreational and Environmental Name: Playground Location: Lees Holm, WF12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location | A14SE (E) | 769 | 8 | 424216 419590 |
| 302 | Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location | A14SE (E) | 770 | 8 | 424216 419589 |
| 303 | Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location | A17NE (NW) | 923 | 8 | 422779 420515 |
| 303 | Points of Interest - Recreational and Environmental Name: Play Area Location: Ravens Street, WF13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location | A17NE (NW) | 924 | 8 | 422779 420517 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|--------|---|--|------------------------------|---------|------------------|
| 304 | Areas of Adopted Green Belt Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Unitary Development Plan Status: Adopted Plan Date: 1st March 1999 | A13SW (SW) | 366 | 10 | 423152 419536 |
| 305 | Areas of Adopted Green Belt Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Unitary Development Plan Status: Adopted Plan Date: 1st March 1999 | A17NE (NW) | 802 | 10 | 423031 420569 |
| 306 | Areas of Unadopted Green Belt Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Local Plan Status: Submission Draft Plan Date: 25th April 2017 | A8NE (S) | 598 | 10 | 423658 419206 |
| 307 | Areas of Unadopted Green Belt Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Local Plan Status: Submission Draft Plan Date: 25th April 2017 | A17NE (NW) | 853 | 10 | 422911 420545 |
| 308 | Local Nature Reserves Name: Sparrow Wood Multiple Area: N Area (m2): 29682.01 Source: Natural England Designation Date: 31st March 2000 | A19SE (NE) | 862 | 9 | 424271 420230 |
| 309 | Nitrate Vulnerable Zones Name: Spen Beck From Source To River Calder Nvz Description: Surface Water Source: Environment Agency, Head Office | A17SE (NW) | 707 | 4 | 423100 420500 |

| Agency & Hydrological | Version | Update Cycle |
|--|---|--|
| Contaminated Land Register Entries and Notices Environment Agency - Head Office Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Leeds City Council - Planning and Development Wakefield City Metropolitan District Council - Environmental Health | June 2020 October 2017 October 2017 October 2017 October 2017 | Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update |
| Discharge Consents Environment Agency - North East Region | April 2022 | Quarterly |
| Enforcement and Prohibition Notices Environment Agency - North East Region | March 2013 | |
| Integrated Pollution Controls Environment Agency - North East Region | January 2009 | |
| Integrated Pollution Prevention And Control Environment Agency - North East Region | April 2022 | Quarterly |
| Local Authority Integrated Pollution Prevention And Control Kirklees Metropolitan Borough Council - Environmental Health Department Wakefield City Metropolitan District Council - Environmental Health Leeds City Council - Neighbourhoods Department Calderdale Metropolitan Borough Council - Environmental Health | April 2014 June 2014 November 2012 October 2014 | Variable Variable Variable Variable |
| Local Authority Pollution Prevention and Controls Kirklees Metropolitan Borough Council - Environmental Health Department Wakefield City Metropolitan District Council - Environmental Health Leeds City Council - Neighbourhoods Department Calderdale Metropolitan Borough Council - Environmental Health | April 2014 June 2014 November 2012 October 2014 | Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update |
| Local Authority Pollution Prevention and Control Enforcements Kirklees Metropolitan Borough Council - Environmental Health Department Wakefield City Metropolitan District Council - Environmental Health Leeds City Council - Neighbourhoods Department Calderdale Metropolitan Borough Council - Environmental Health | April 2014 June 2014 November 2012 October 2014 | Variable Variable Variable Variable |
| Nearest Surface Water Feature Ordnance Survey | June 2022 | |
| Pollution Incidents to Controlled Waters Environment Agency - North East Region | December 1998 | |
| Prosecutions Relating to Authorised Processes Environment Agency - North East Region Environment Agency - North West Region | July 2015 July 2015 | |
| Prosecutions Relating to Controlled Waters Environment Agency - North East Region | March 2013 | |
| Registered Radioactive Substances Environment Agency - North East Region | June 2016 | As notified |
| River Quality Environment Agency - Head Office | November 2001 | Not Applicable |
| River Quality Biology Sampling Points Environment Agency - Head Office | April 2012 | |
| River Quality Chemistry Sampling Points Environment Agency - Head Office | April 2012 | |
| Substantiated Pollution Incident Register Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area | April 2022 April 2022 | Quarterly Quarterly |
| Water Abstractions Environment Agency - North East Region | July 2022 | Quarterly |

| Agency & Hydrological | Version | Update Cycle |
|---|---------------|--------------|
| Water Industry Act Referrals Environment Agency - North East Region | October 2017 | |
| Groundwater Vulnerability Map Environment Agency - Head Office | June 2018 | As notified |
| Bedrock Aquifer Designations Environment Agency - Head Office | January 2018 | Annually |
| Superficial Aquifer Designations Environment Agency - Head Office | January 2018 | Annually |
| Source Protection Zones Environment Agency - Head Office | July 2022 | Bi-Annually |
| Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office | May 2022 | Quarterly |
| Flooding from Rivers or Sea without Defences Environment Agency - Head Office | May 2022 | Quarterly |
| Areas Benefiting from Flood Defences Environment Agency - Head Office | May 2022 | Quarterly |
| Flood Water Storage Areas Environment Agency - Head Office | May 2022 | Quarterly |
| Flood Defences Environment Agency - Head Office | May 2022 | Quarterly |
| OS Water Network Lines Ordnance Survey | July 2022 | Quarterly |
| Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office | May 2018 | Annually |
| Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office | May 2018 | Annually |
| Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office | May 2018 | Annually |
| Surface Water Suitability Environment Agency - Head Office | February 2016 | Annually |
| BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service | May 2013 | As notified |

| Waste | Version | Update Cycle |
|---|--|--|
| BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service | November 2002 | As notified |
| Historical Landfill Sites Environment Agency - Head Office | April 2022 | Quarterly |
| Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region | January 2009 | Not Applicable |
| Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area | April 2022 April 2022 | Quarterly Quarterly |
| Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area | April 2022 April 2022 | Quarterly Quarterly |
| Local Authority Landfill Coverage Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Leeds City Council - Planning and Development Wakefield City Metropolitan District Council - Environmental Health | February 2003 February 2003 February 2003 February 2003 | Not Applicable Not Applicable Not Applicable Not Applicable |
| Local Authority Recorded Landfill Sites Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Leeds City Council - Planning and Development Wakefield City Metropolitan District Council - Environmental Health | October 2018 October 2018 October 2018 October 2018 | |
| Potentially Infilled Land (Non-Water) Landmark Information Group Limited | December 1999 | Not Applicable |
| Potentially Infilled Land (Water) Landmark Information Group Limited | December 1999 | |
| Registered Landfill Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area | March 2006 March 2006 | Not Applicable Not Applicable |
| Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area | April 2018 April 2018 | |
| Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area | June 2015 June 2015 | |

| Hazardous Substances | Version | Update Cycle |
|---|--|--|
| Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive | January 2022 | Bi-Annually |
| Explosive Sites Health and Safety Executive | March 2017 | Annually |
| Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive | August 2001 | |
| Planning Hazardous Substance Enforcements Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council Leeds City Council - Planning and Development Wakefield City Metropolitan District Council | August 2015 February 2016 February 2016 February 2016 | Variable Variable Variable Variable |
| Planning Hazardous Substance Consents Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council Leeds City Council - Planning and Development Wakefield City Metropolitan District Council | August 2015 February 2016 February 2016 February 2016 | Variable Variable Variable Variable |
| Geological | Version | Update Cycle |
| BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service | January 2009 | As notified |
| BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service | December 2015 | As notified |
| BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service | May 2022 | Bi-Annually |
| CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB) | August 2011 November 2020 | As notified |
| Coal Mining Affected Areas The Coal Authority - Property Searches | March 2014 | Annual Rolling Update |
| Mining Instability Ove Arup & Partners | June 1998 | Not Applicable |
| Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service | May 2015 | Not Applicable |
| Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service | April 2020 | As notified |
| Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service | January 2019 | As notified |
| Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service | July 2011 | Annually |
| Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service | July 2011 | Annually |

| Industrial Land Use | Version | Update Cycle |
|--|--------------|--------------|
| Contemporary Trade Directory Entries Thomson Directories | July 2022 | Quarterly |
| Fuel Station Entries Catalist Ltd - Experian | June 2022 | Quarterly |
| Gas Pipelines National Grid | October 2021 | Bi-Annually |
| Points of Interest - Commercial Services PointX | June 2022 | Quarterly |
| Points of Interest - Education and Health PointX | June 2022 | Quarterly |
| Points of Interest - Manufacturing and Production PointX | June 2022 | Quarterly |
| Points of Interest - Public Infrastructure PointX | June 2022 | Quarterly |
| Points of Interest - Recreational and Environmental PointX | June 2022 | Quarterly |
| Underground Electrical Cables National Grid | May 2021 | Bi-Annually |

| Sensitive Land Use | Version | Update Cycle |
|--|--|--|
| Ancient Woodland Natural England | February 2021 | Bi-Annually |
| Areas of Adopted Green Belt Calderdale Metropolitan Borough Council Kirklees Metropolitan Borough Council Leeds City Council Wakefield City Metropolitan District Council | October 2020 October 2020 October 2020 October 2020 | Quarterly Quarterly Quarterly Quarterly |
| Areas of Unadopted Green Belt Calderdale Metropolitan Borough Council Kirklees Metropolitan Borough Council Leeds City Council Wakefield City Metropolitan District Council | October 2020 October 2020 October 2020 October 2020 | Quarterly Quarterly Quarterly Quarterly |
| Areas of Outstanding Natural Beauty Natural England | January 2021 | Bi-Annually |
| Environmentally Sensitive Areas Natural England | January 2017 | |
| Forest Parks Forestry Commission | April 1997 | Not Applicable |
| Local Nature Reserves Natural England | February 2021 | Bi-Annually |
| Marine Nature Reserves Natural England | July 2019 | Bi-Annually |
| National Nature Reserves Natural England | January 2021 | Bi-Annually |
| National Parks Natural England | February 2018 | Bi-Annually |
| Nitrate Sensitive Areas Natural England | April 2016 | Not Applicable |
| Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office | April 2016 June 2017 | Bi-Annually |
| Ramsar Sites Natural England | August 2020 | Bi-Annually |
| Sites of Special Scientific Interest Natural England | February 2021 | Bi-Annually |
| Special Areas of Conservation Natural England | July 2020 | Bi-Annually |
| Special Protection Areas Natural England | February 2021 | Bi-Annually |

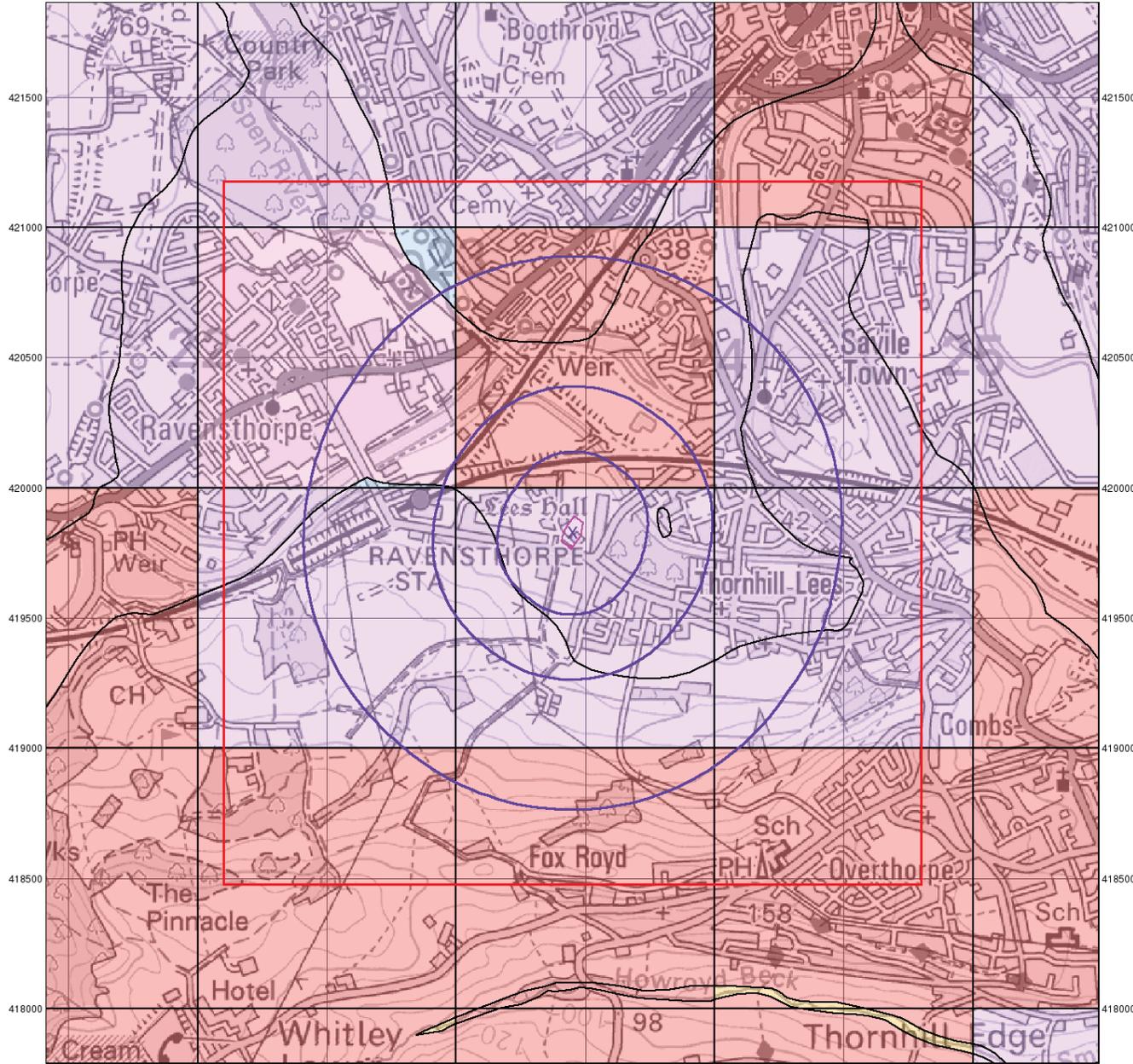
A selection of organisations who provide data within this report

| Data Supplier | Data Supplier Logo |
|--|---|
| Ordnance Survey |  |
| Environment Agency |  |
| Scottish Environment Protection Agency |  |
| The Coal Authority |  |
| British Geological Survey |  British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL |
| Centre for Ecology and Hydrology |  Centre for Ecology & Hydrology 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 | British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG | Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk |
| 2 | Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY | Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk |
| 3 | Kirklees Metropolitan Borough Council - Environmental Health Department West Riding House, 9 Manchester Road, Huddersfield, West Yorkshire, HD1 3HH | Telephone: 01484 221000 Email: customer.relations@kirklees.gov.uk Website: www.kirklees.gov.uk |
| 4 | Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD | Telephone: 01454 624400 Fax: 01454 624409 |
| 5 | Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS | Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk |
| 6 | Kirklees Metropolitan Borough Council - Planning Services PO BOX B93, Civic Centre III, Off Market Street, Huddersfield, West Yorkshire, HD1 2JR | Telephone: 01484 221000 Fax: 01484 221613 Website: www.kirklees.gov.uk |
| 7 | The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG | Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com |
| 8 | PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY | Website: www.pointx.co.uk |
| 9 | Natural England County Hall, Spetchley Road, Worcester, WR5 2NP | Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk |
| 10 | Kirklees Metropolitan Borough Council Town Hall, Civic Centre, Huddersfield, West Yorkshire, HD1 2TA | Telephone: 01484 221000 Fax: 01484 442768 Website: www.kirklees.gov.uk |
| - | Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ | Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org |
| - | Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD | Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk |

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

421500 422000 422500 423000 423500 424000 424500 425000



© Crown Copyright. All Rights Reserved. License Number 100022432

0 1 km

Groundwater Vulnerability

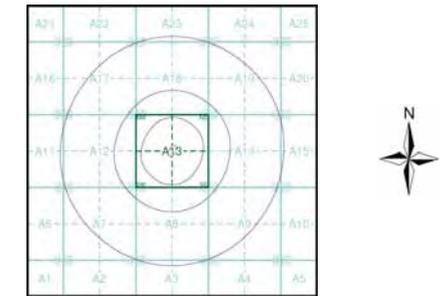
General

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

Geology and Hydrological

- | Bedrock Aquifers | Superficial Aquifers |
|---|---|
| High Vulnerability, Principal Aquifer | High Vulnerability, Principal Aquifer |
| High Vulnerability, Secondary Aquifer | High Vulnerability, Secondary Aquifer |
| Medium Vulnerability, Principal Aquifer | Medium Vulnerability, Principal Aquifer |
| Medium Vulnerability, Secondary Aquifer | Medium Vulnerability, Secondary Aquifer |
| Low Vulnerability, Principal Aquifer | Low Vulnerability, Principal Aquifer |
| Low Vulnerability, Secondary Aquifer | Low Vulnerability, Secondary Aquifer |
| Unproductive Aquifer | |
| Soluble Rock | |

Site Sensitivity Context Map - Slice A



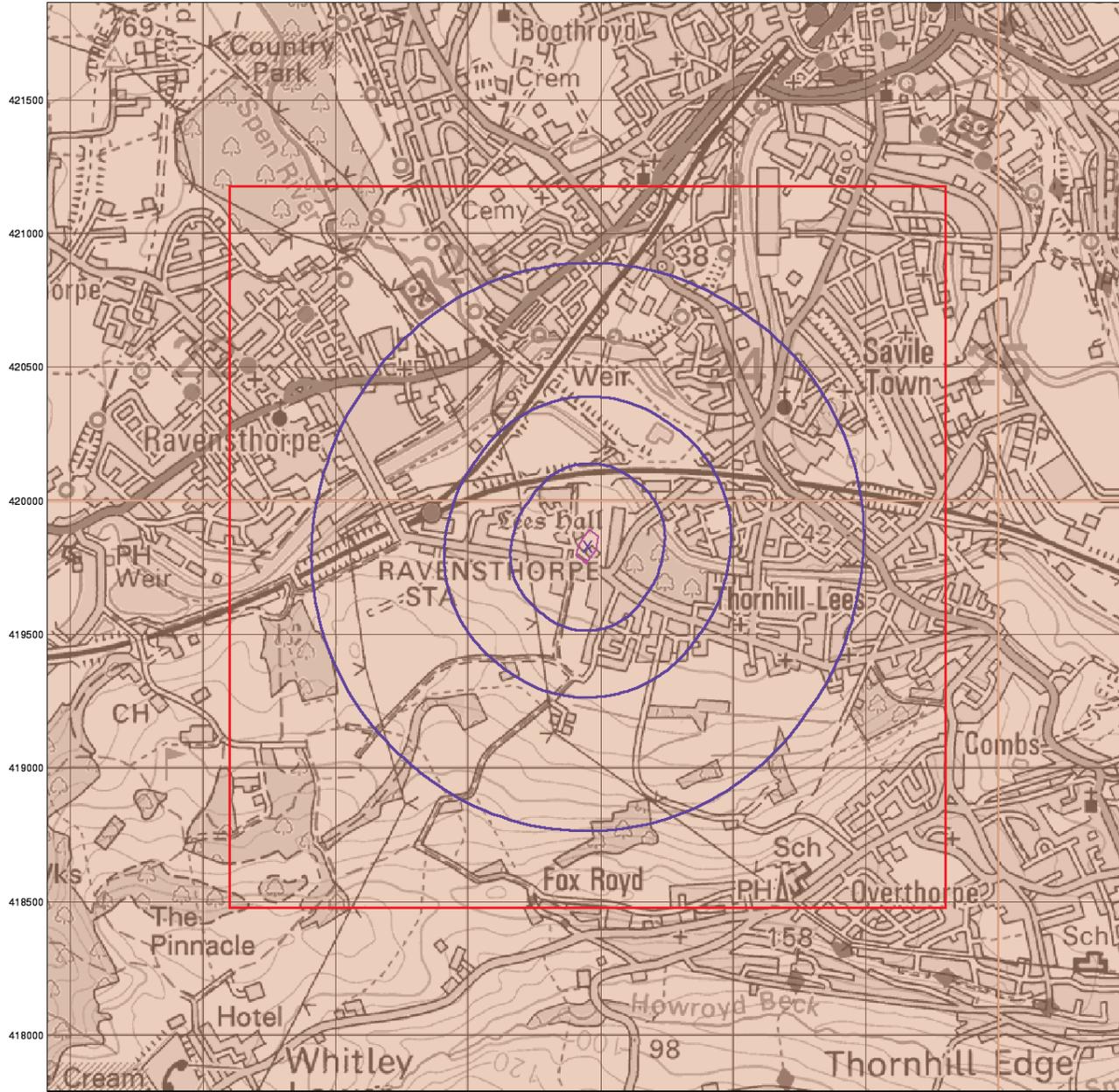
Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

421500 422000 422500 423000 423500 424000 424500 425000



© Crown Copyright. All Rights Reserved. License Number 100022432

0 1 km

Bedrock Aquifer Designation

General

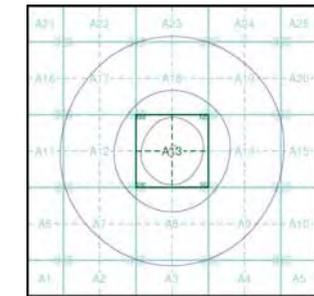
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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



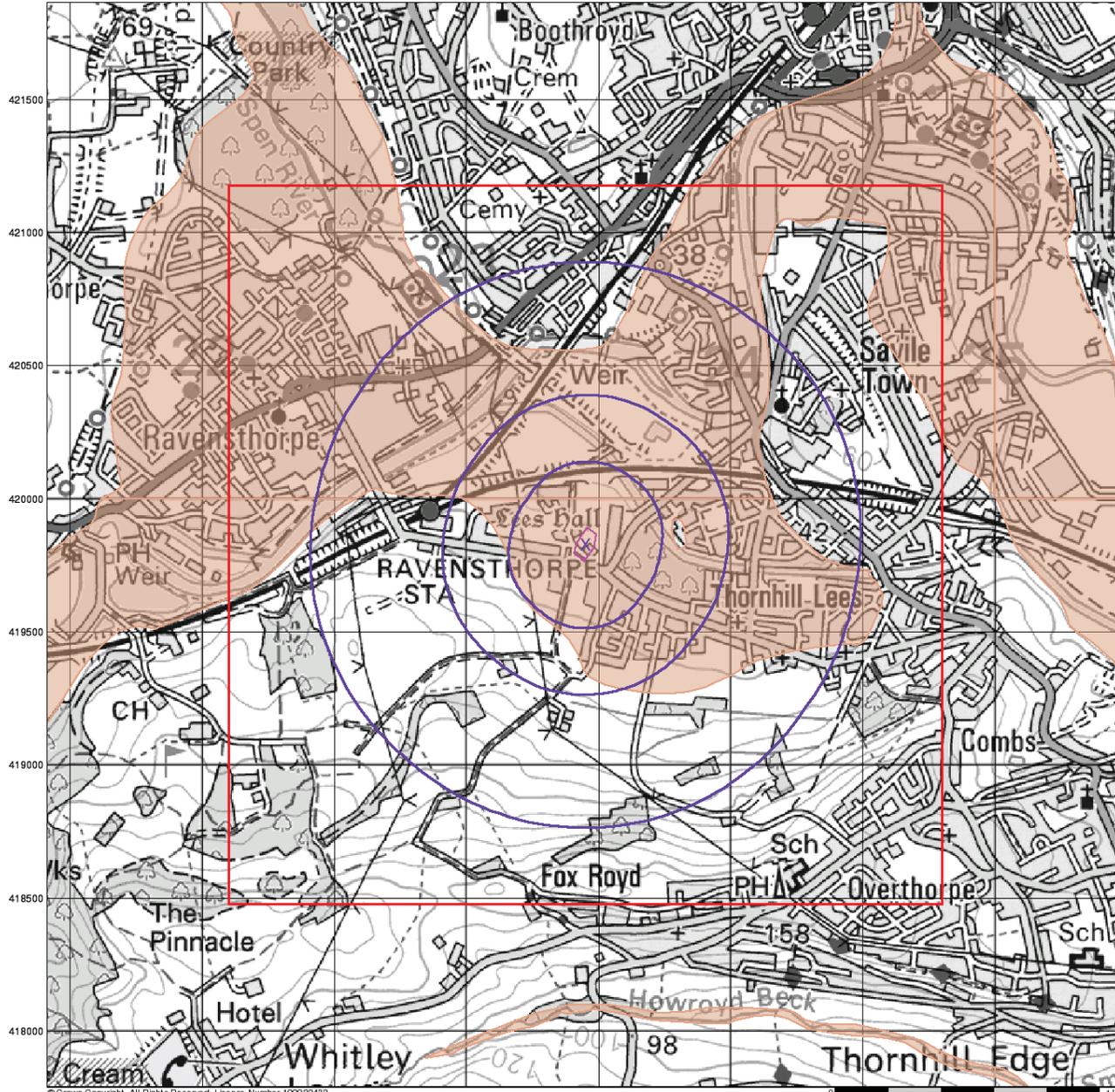
Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

421500 422000 422500 423000 423500 424000 424500 425000



© Crown Copyright. All Rights Reserved. License Number 100022432

0 1 km

Envirocheck[®]

LANDMARK INFORMATION GROUP[™]

Superficial Aquifer Designation

General

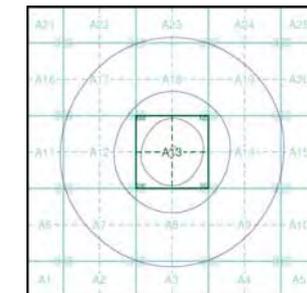
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

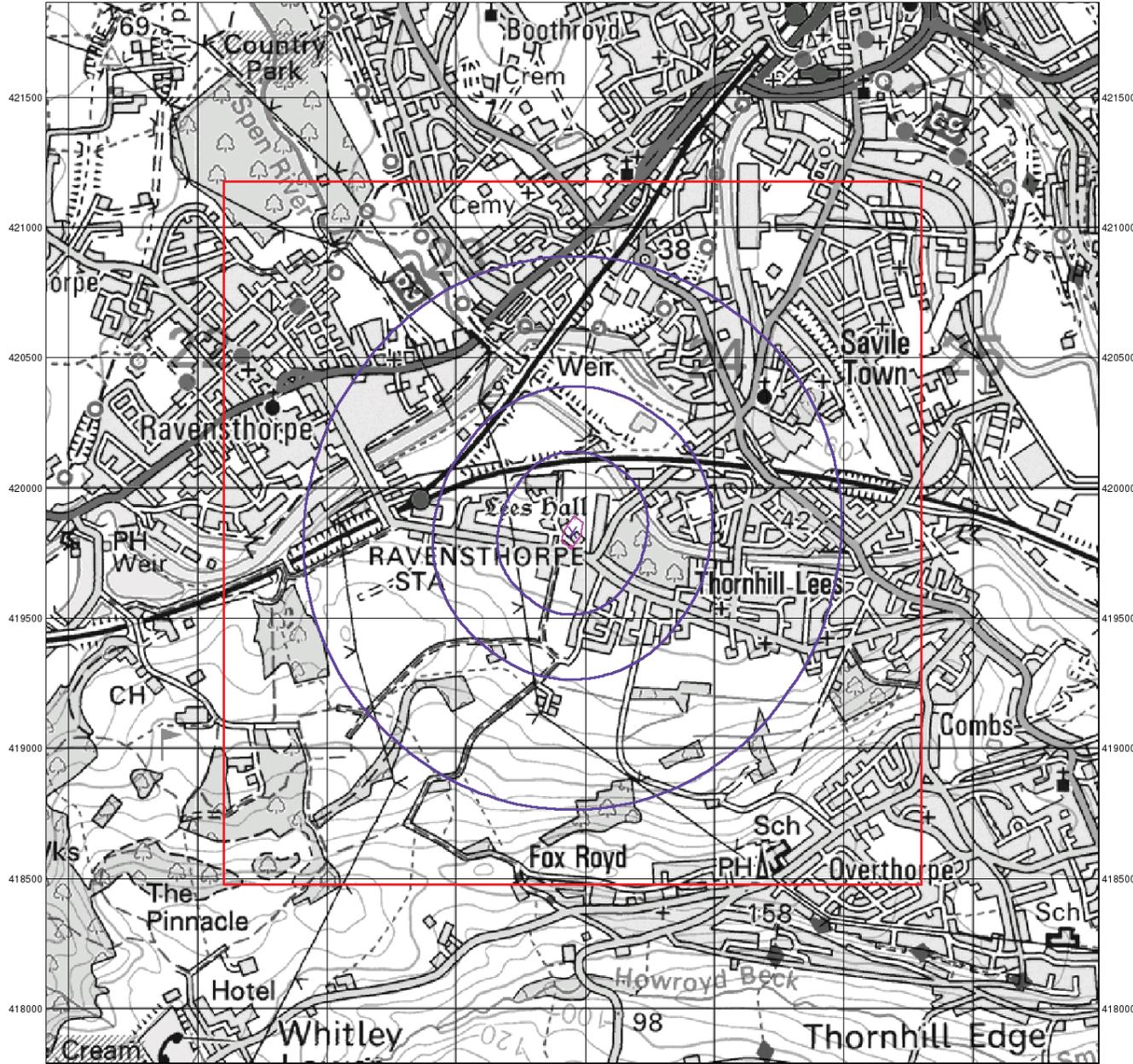
Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

Landmark
 INFORMATION GROUP

Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

421500 422000 422500 423000 423500 424000 424500 425000

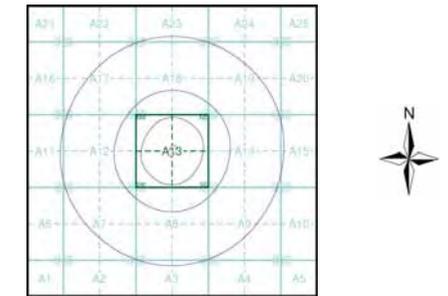


© Crown Copyright. All Rights Reserved. License Number 100022432

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

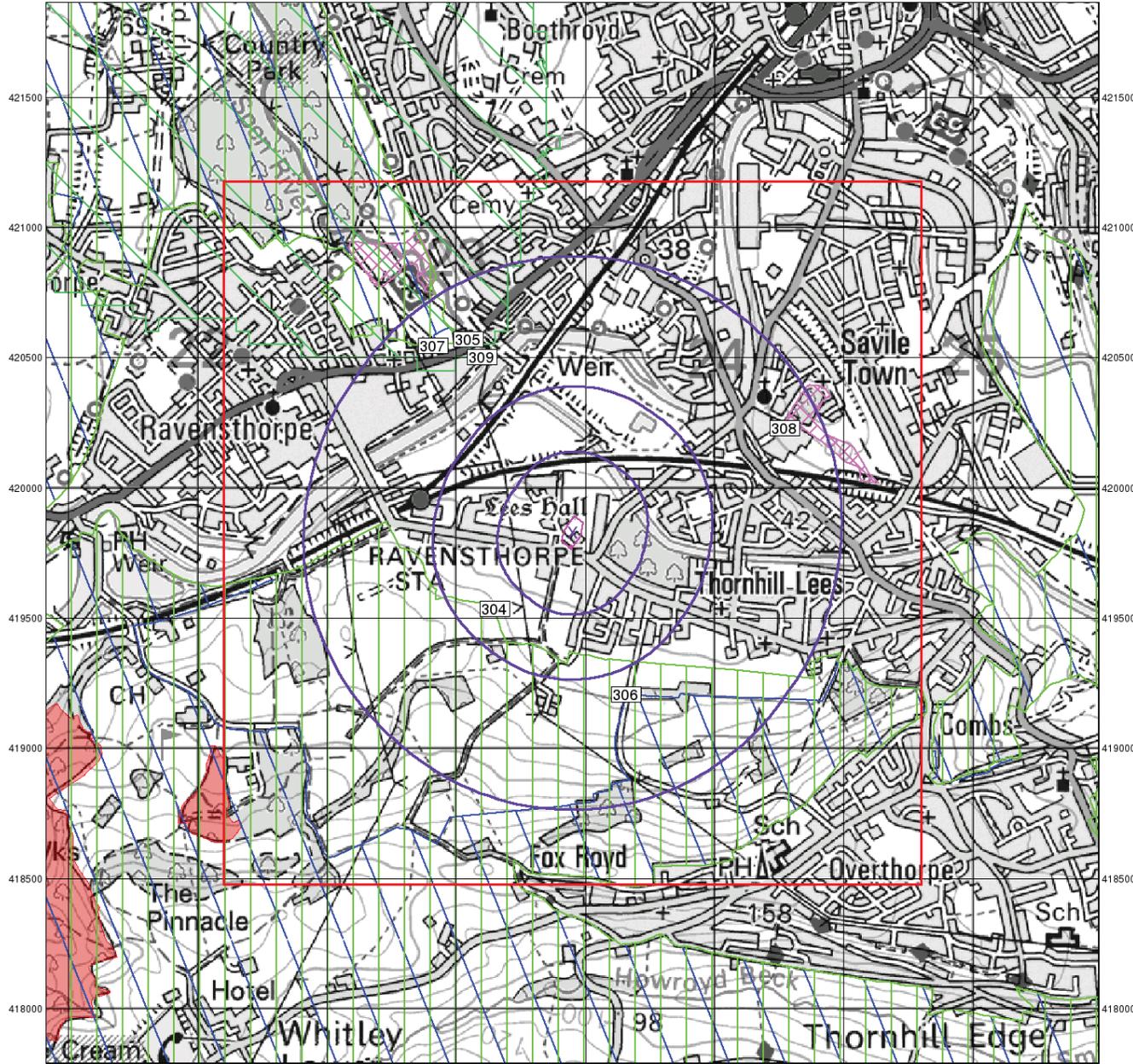


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details
 Land at Lees Hall Road, Dewsbury, WF12 9EQ

421500 422000 422500 423000 423500 424000 424500 425000

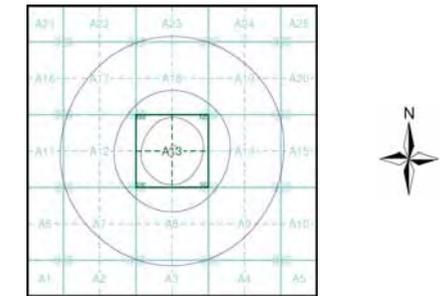


© Crown Copyright. All Rights Reserved. License Number 100022432

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



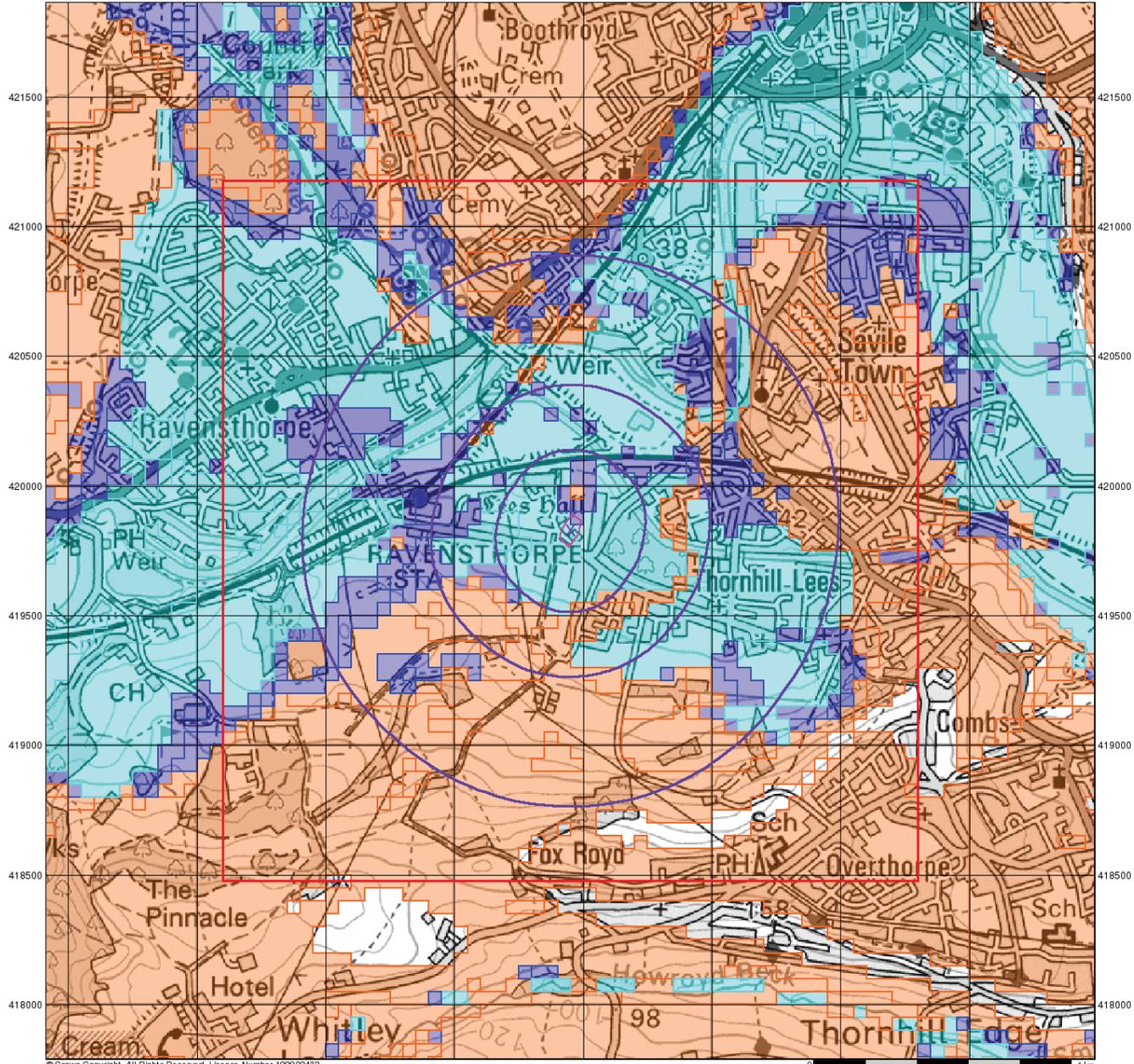
Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

421500 422000 422500 423000 423500 424000 424500 425000



© Crown Copyright. All Rights Reserved. License Number 100022432

0 1 km

Envirocheck[®]

LANDMARK INFORMATION GROUP[™]

BGS Flood GFS Data

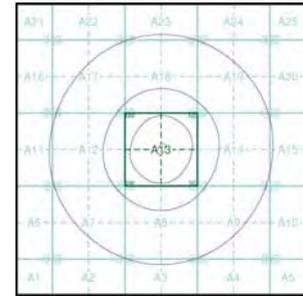
General

- 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: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

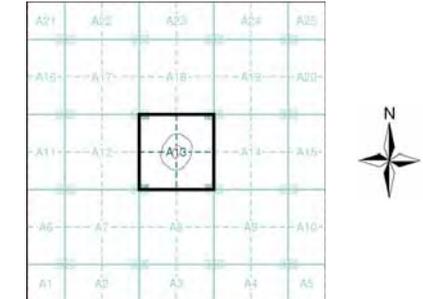
Land at Lees Hall Road, Dewsbury, WF12 9EQ



Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Severalty of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Local Authority Integrated 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
- Hazardous Substances**
- COMAH Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Waste**
- BOS Recorded Landfill Site (Location)
 - BOS 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
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - 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

Site Sensitivity Map - Segment A13



Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Plot Buffer (m): 100

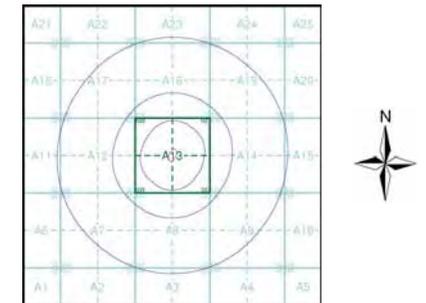
Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



- 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)
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention and 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
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- 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
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - 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

Site Sensitivity Map - Slice A

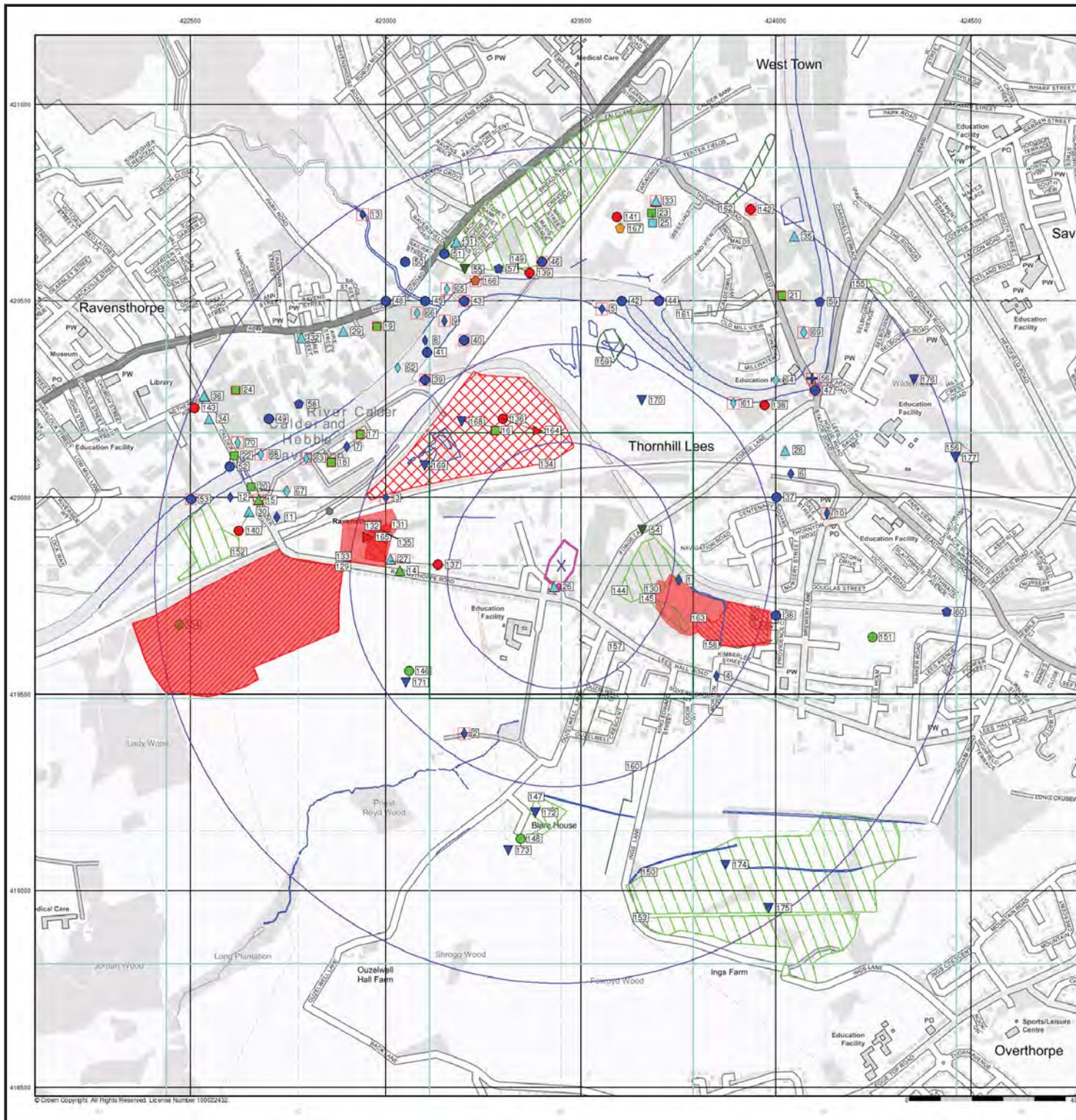


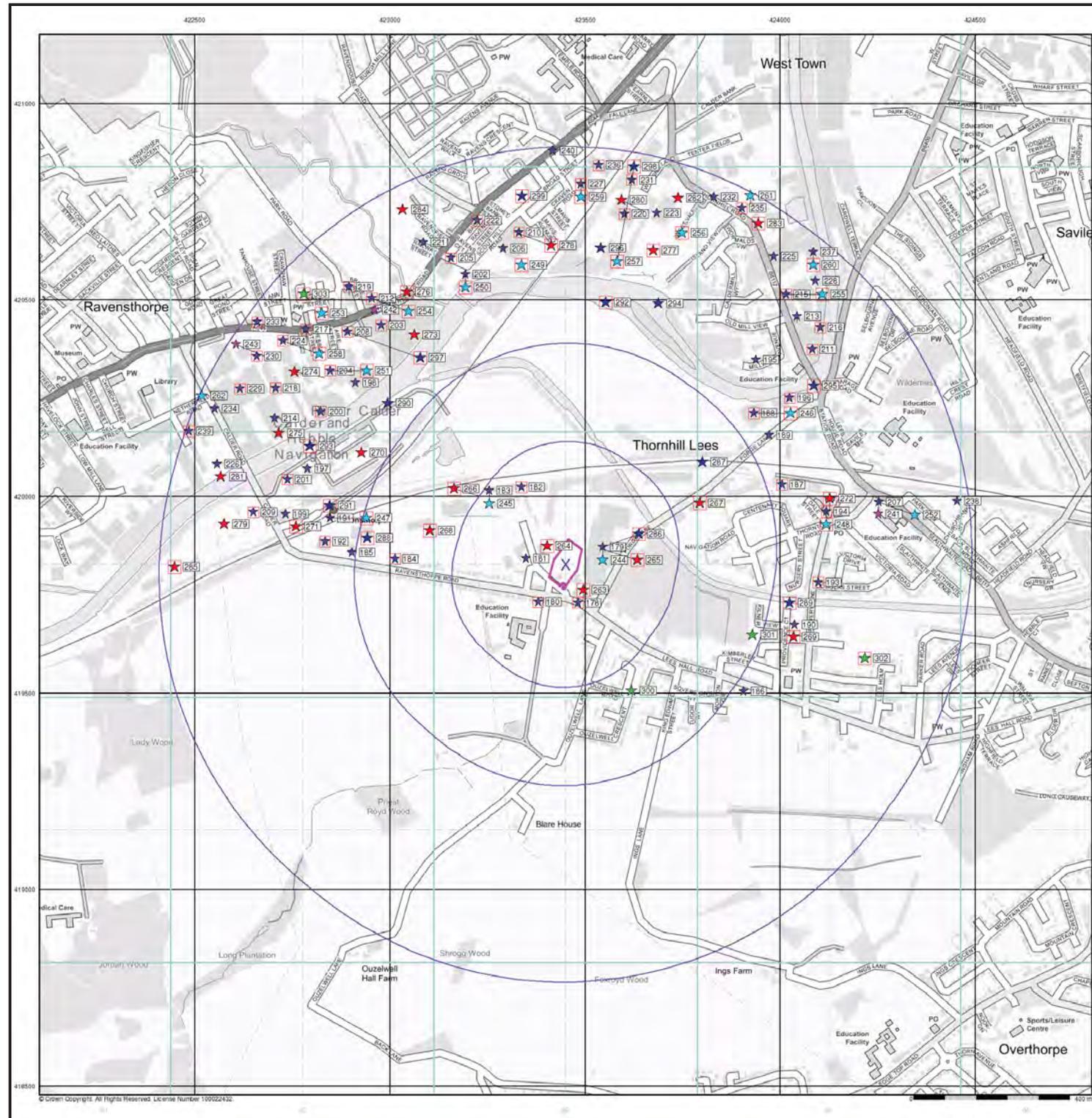
Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ





© Crown Copyright. All Rights Reserved. License Number: 100022432.

Industrial Land Use Map

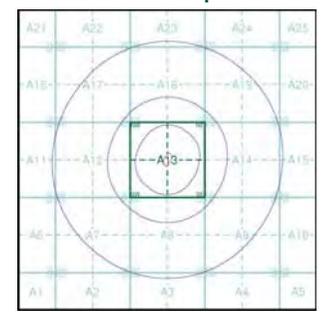
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

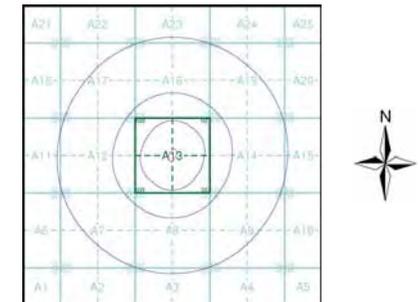
General

- 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

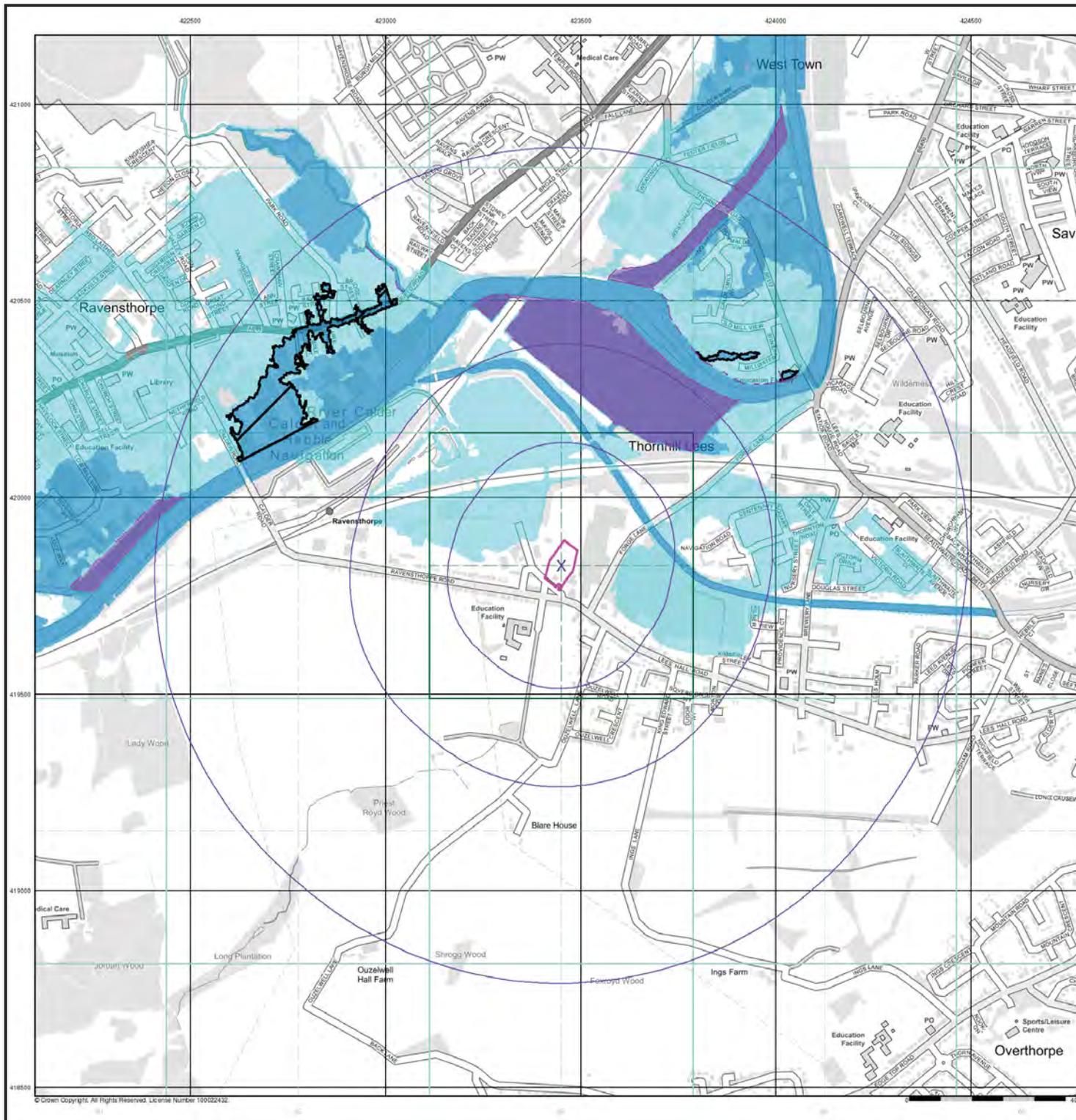


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



General

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

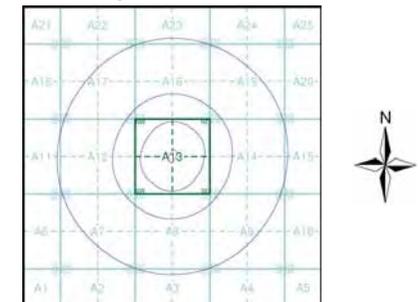
Agency and Hydrological (Boreholes)

- 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.

Borehole Map - Slice A

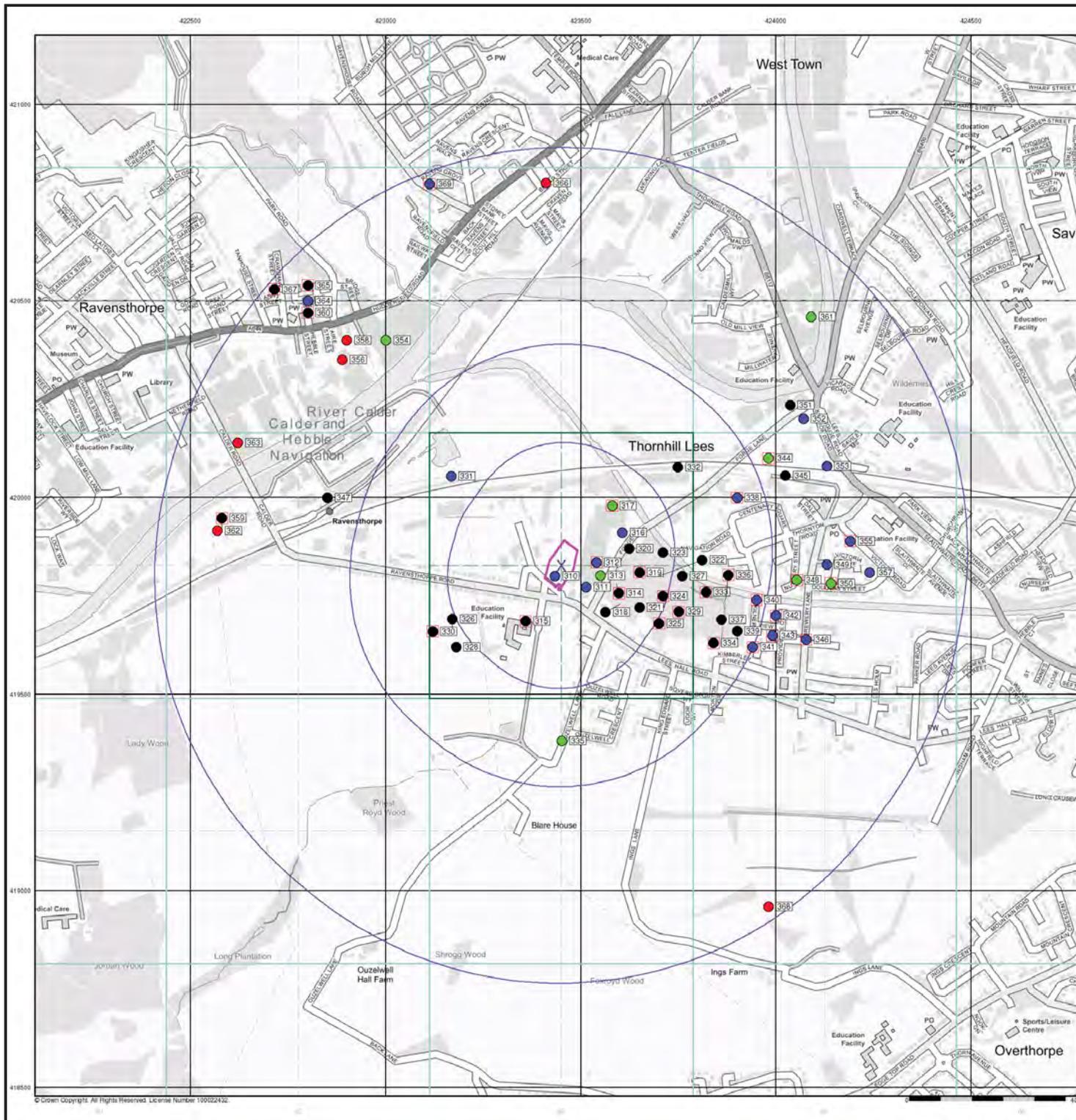


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



General

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

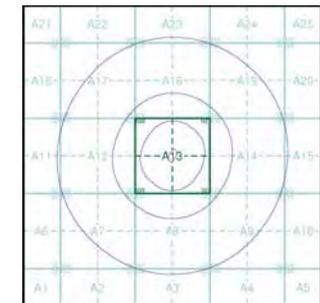
OS Water Network Data

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

Contours (height in meters)

- Standard Contour 105 Mean Low Water
- Master Contour 100 Mean High Water
- Spot Height 167.3

OS Water Network Map - Slice A

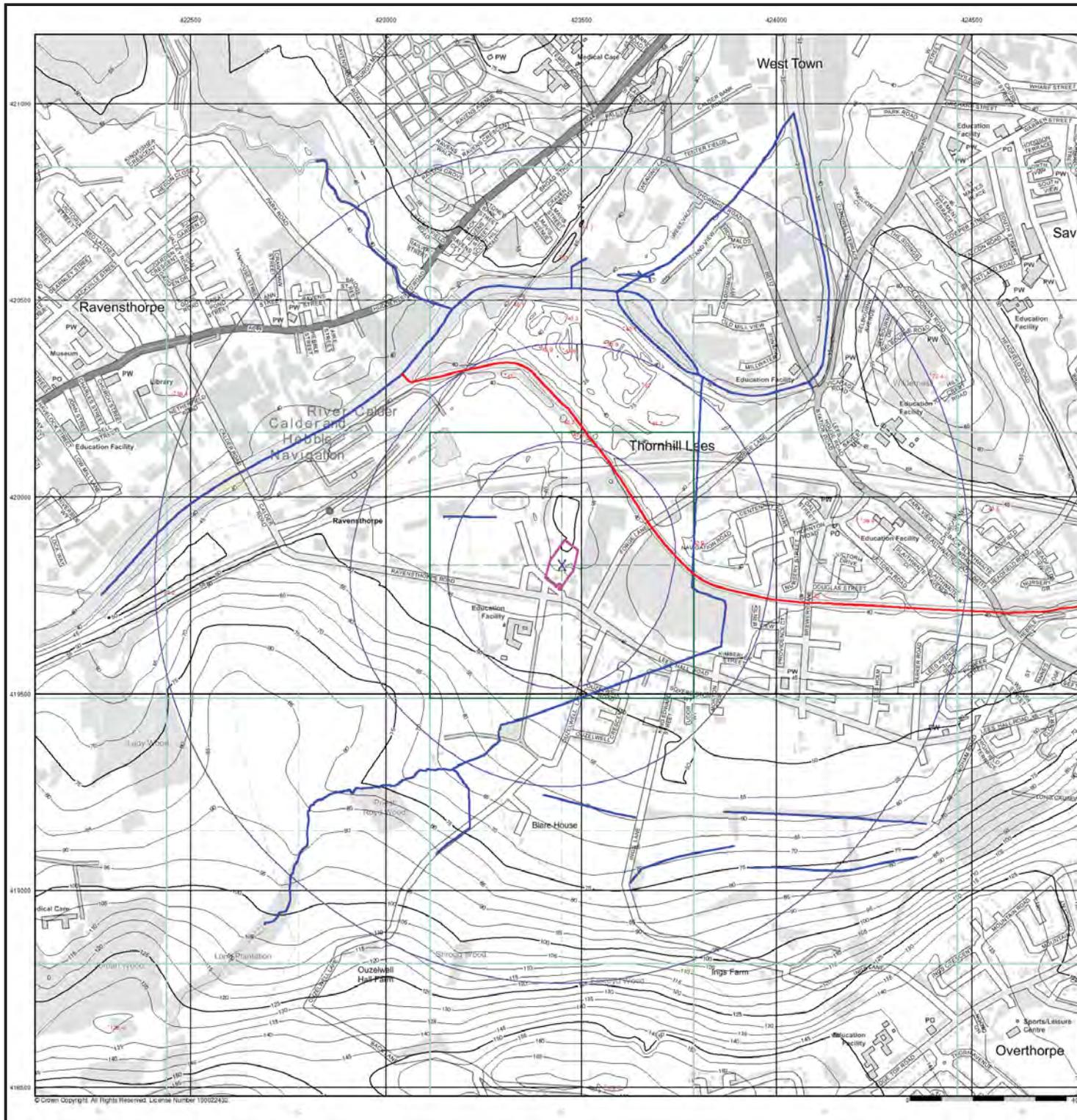


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



General

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

Risk of Flooding from Surface Water

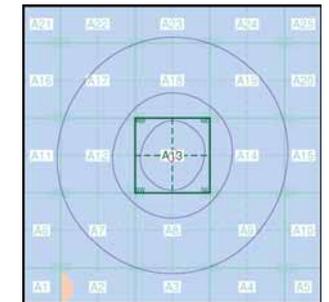
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A

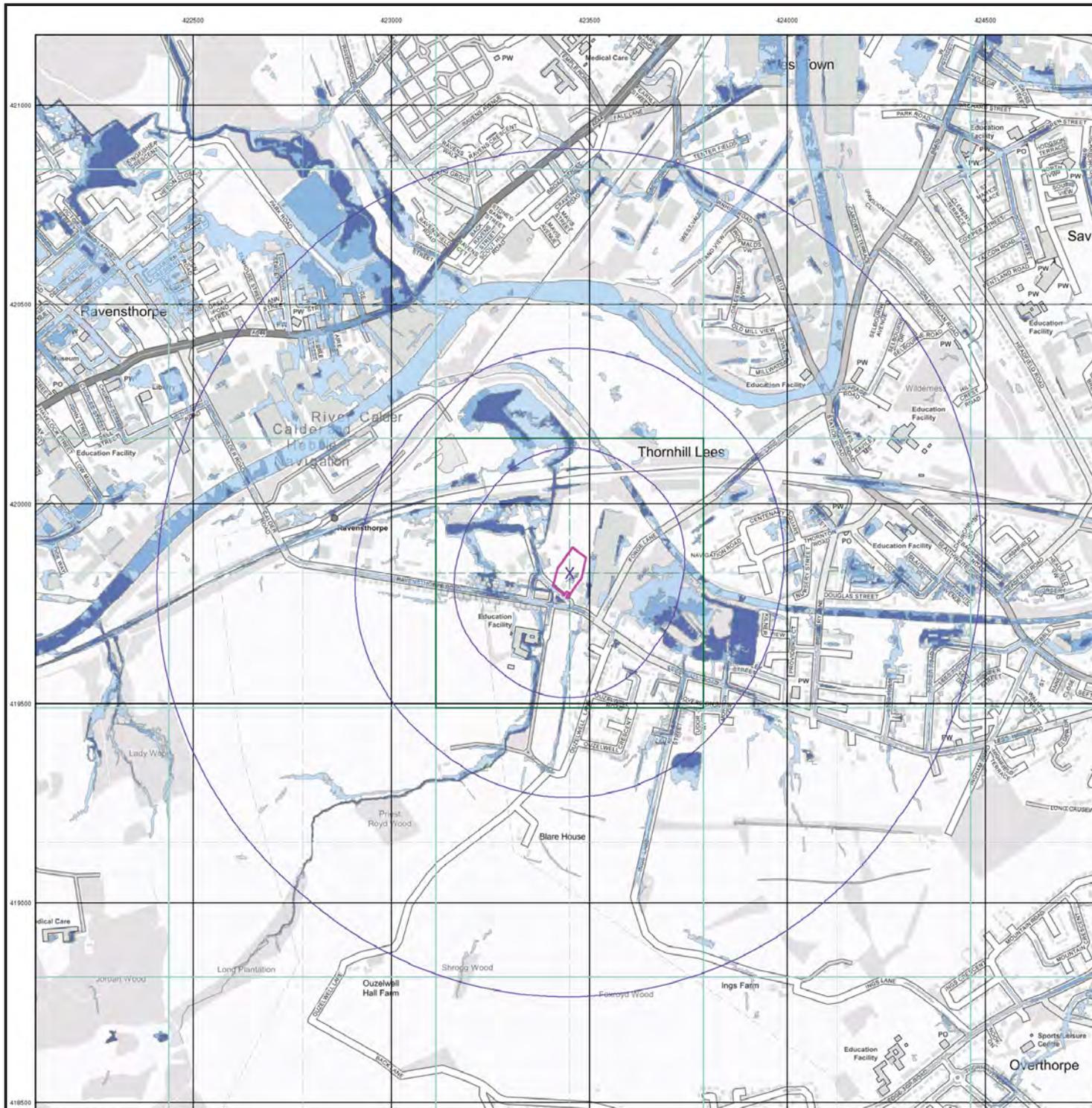


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

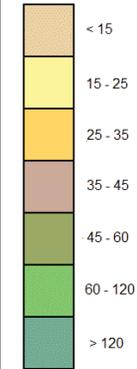


General

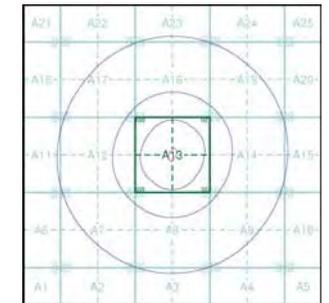
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

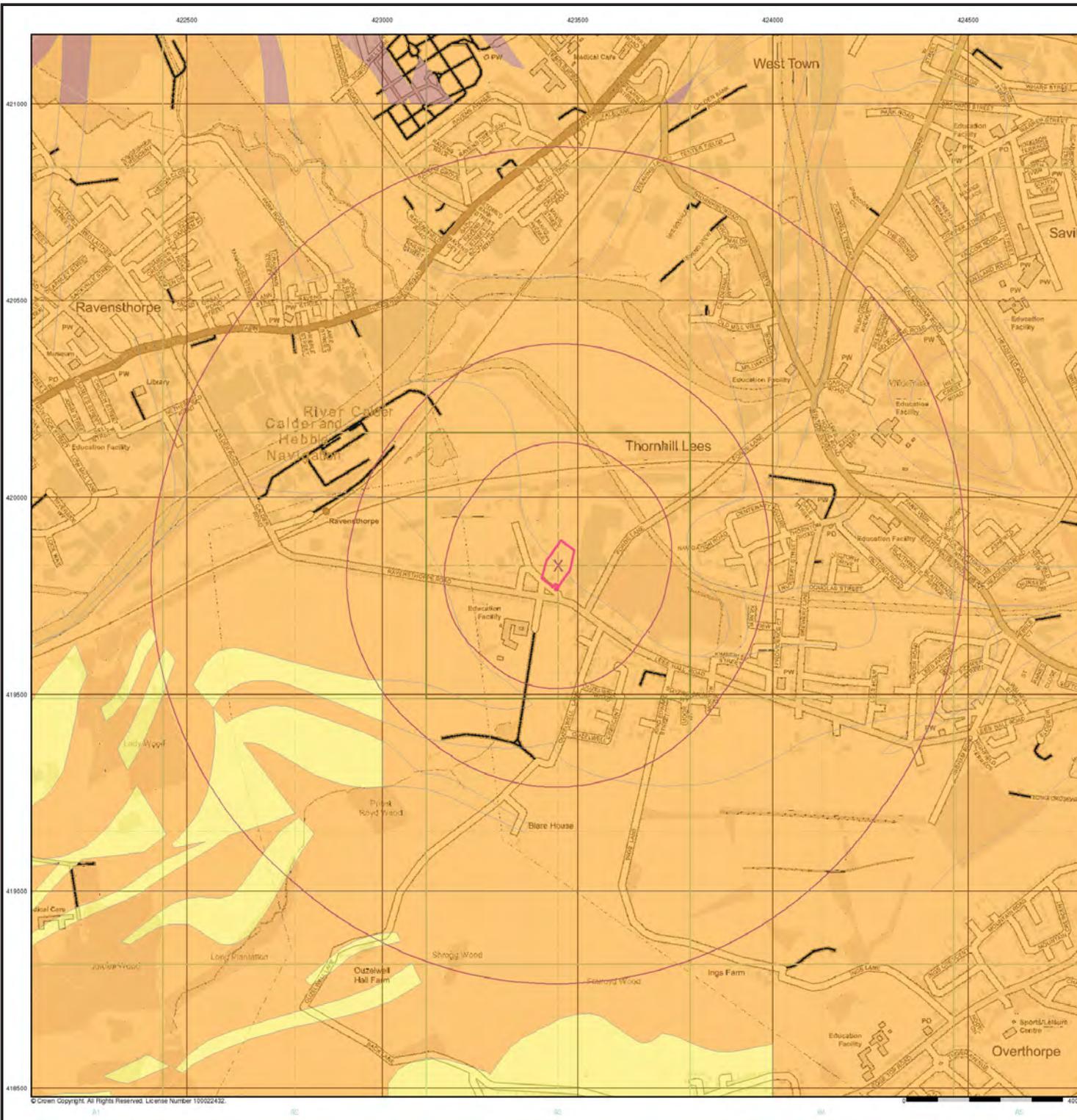


Order Details

Order Details: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

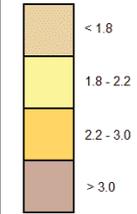


General

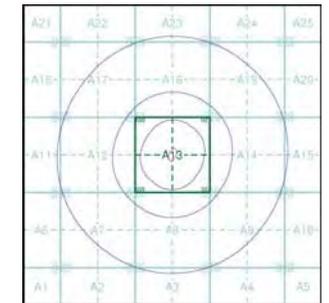
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A

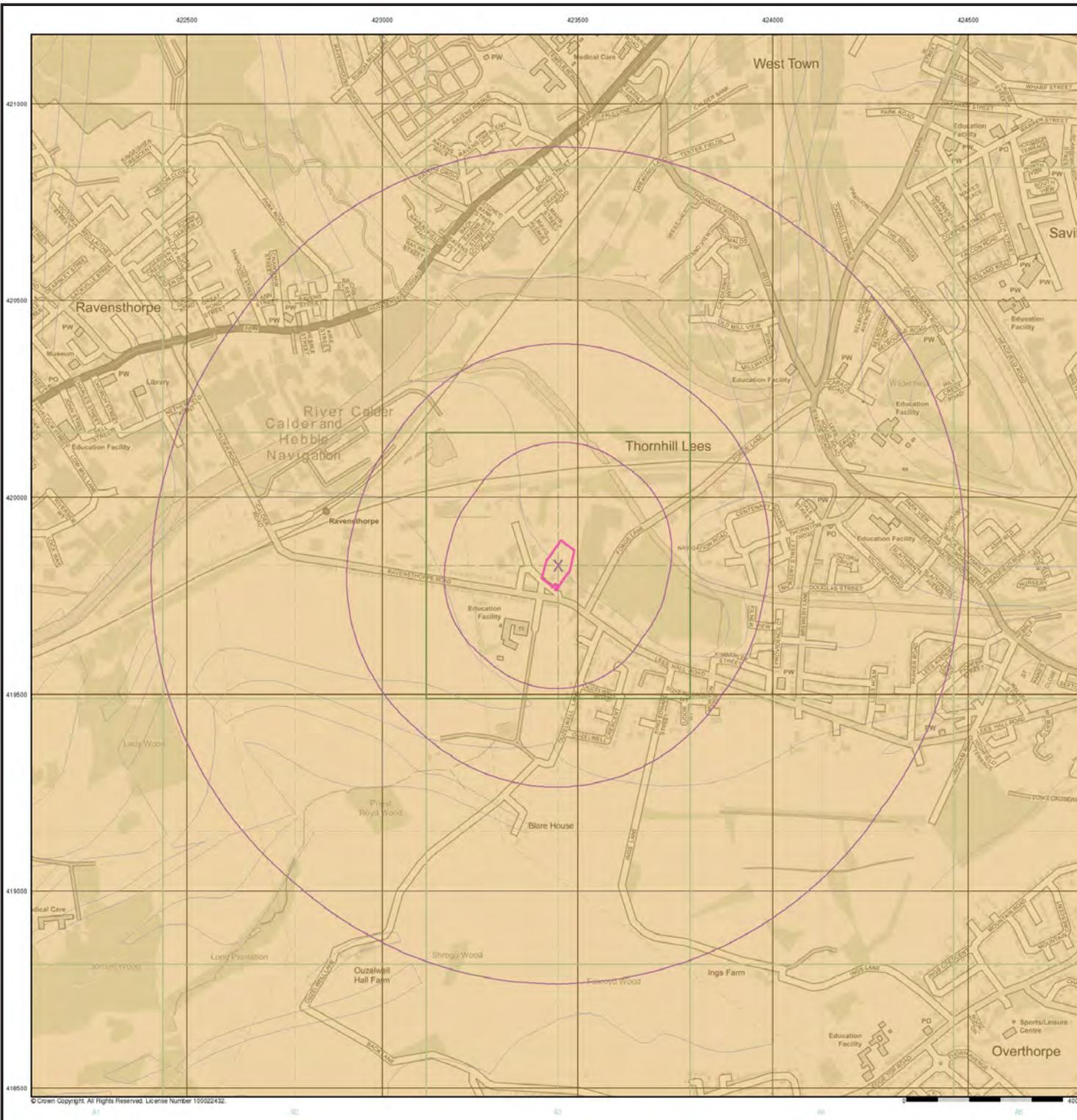


Order Details

Order Details: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

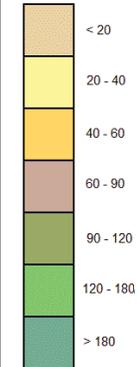


General

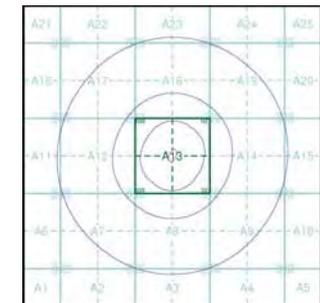
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

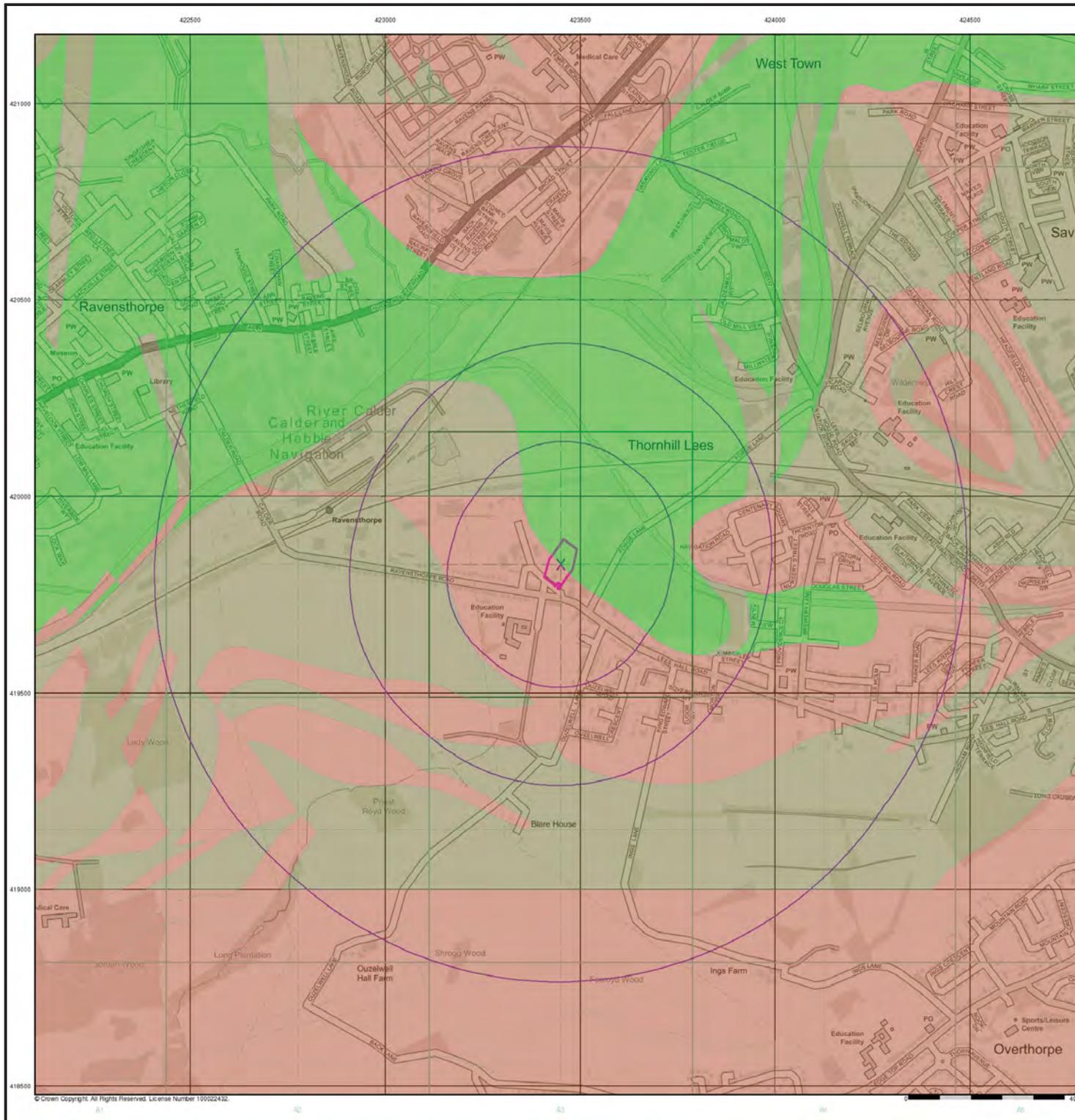


Order Details

Order Details: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

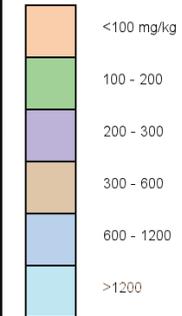


General

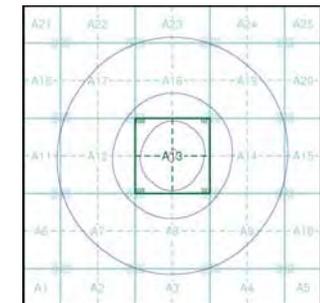
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

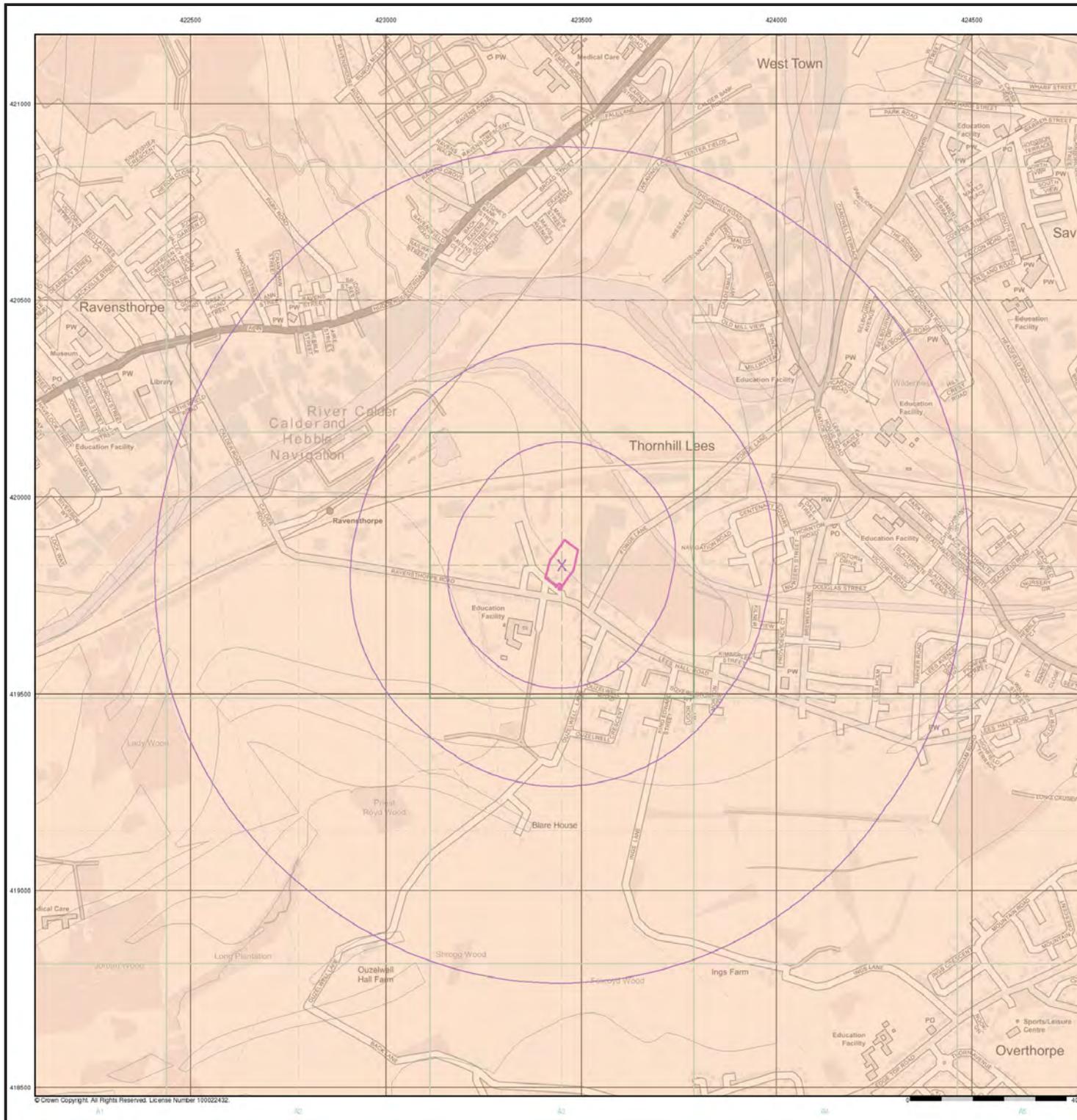


Order Details

Order Details: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

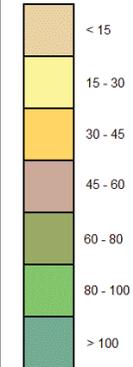


General

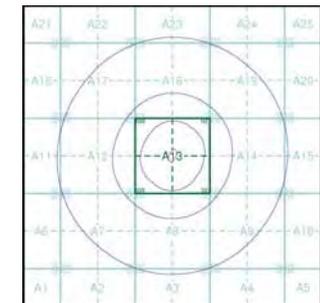
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

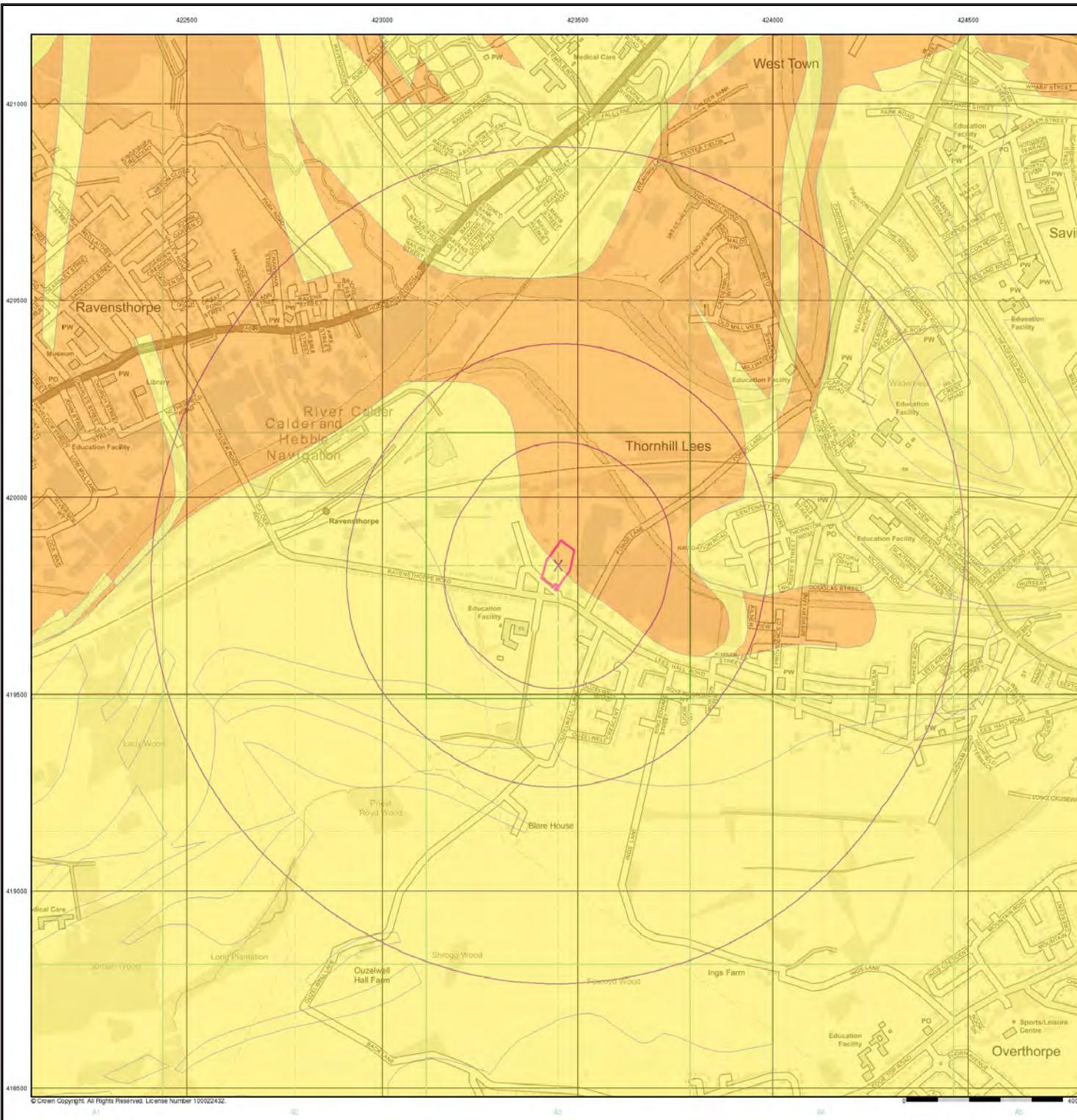


Order Details

Order Details: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ





APPENDIX III
HISTORICAL MAP EXTRACTS

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** (Fenced, Un-Fenced), **Minor Roads** (Fenced, Un-Fenced), **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)**, **Co. Boro. Bdy.**, **County Burgh Boundary (Scotland)**, **Co. Burgh Bdy.**, **Rural District Boundary**, **RD. Bdy.**, **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**, **Coppice**, **Bracken**, **Heath**, **Rough Grassland**, **Marsh**, **Reeds**, **Saltings**, **Building**, **Glasshouse**, **Sloping Masonry**, **Pylon**, **Electricity Transmission Line**, **Pole**, **Cutting**, **Embankment**, **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** (Shown only when not coincident with other boundaries), **Civil Parish** (Shown alternately when coincidence of boundaries occurs), **BP, BS Boundary Post or Stone**, **Pol Sta Police Station**, **Ch Church**, **PO Post Office**, **CH Club House**, **PC Public Convenience**, **F E Sta Fire Engine Station**, **PH Public House**, **FB Foot Bridge**, **SB Signal Box**, **Fn Fountain**, **Spr Spring**, **GP Guide Post**, **TCB Telephone Call Box**, **MP Mile Post**, **TCP Telephone Call Post**, **MS Mile Stone**, **W Well**

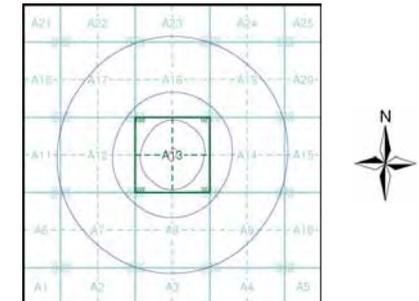
1:10,000 Raster Mapping

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**

Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|----------------------|----------|-------------|----|
| Yorkshire | 1:10,560 | 1855 | 3 |
| Yorkshire | 1:10,560 | 1894 | 4 |
| Yorkshire | 1:10,560 | 1908 | 5 |
| Yorkshire | 1:10,560 | 1930 - 1931 | 6 |
| Yorkshire | 1:10,560 | 1938 | 7 |
| Yorkshire | 1:10,560 | 1948 | 8 |
| Ordnance Survey Plan | 1:10,000 | 1955 | 9 |
| Ordnance Survey Plan | 1:10,000 | 1966 - 1967 | 10 |
| Ordnance Survey Plan | 1:10,000 | 1974 | 11 |
| Ordnance Survey Plan | 1:10,000 | 1983 | 12 |
| Batley | 1:10,000 | 1983 | 13 |
| Ordnance Survey Plan | 1:10,000 | 1989 | 14 |
| Ordnance Survey Plan | 1:10,000 | 1993 | 15 |
| 10K Raster Mapping | 1:10,000 | 2000 | 16 |
| 10K Raster Mapping | 1:10,000 | 2006 | 17 |
| VectorMap Local | 1:10,000 | 2021 | 18 |

Historical Map - Slice A



Order Details

Order Number: 299503985_1_1
Customer Ref: 203-22-989
National Grid Reference: 423450, 419830
Slice: A
Site Area (Ha): 0.59
Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Borough Boundary (Scotland)
Boundary Post or Stone **Police Call Box**
B.R. **Bridle Road** **P** **Pump**
E.P. **Electricity Pylon** **S.P.** **Signal Post**
F.B. **Foot Bridge** **SL** **Sluice**
F.P. **Foot Path** **Sp.** **Spring**
G.P. **Guide Post or Board** **T.C.B.** **Telephone Call Box**
M.S. **Mile Stone** **Tr.** **Trough**
M.P. M.R. **Mooring Post or Ring** **W** **Well**

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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH **Beer House** **P** **Pillar, Pole or Post**
BP, BS **Boundary Post or Stone** **PO** **Post Office**
Cn, C **Capstan, Crane** **PC** **Public Convenience**
Chy **Chimney** **PH** **Public House**
D Fn **Drinking Fountain** **Pp** **Pump**
EI P **Electricity Pillar or Post** **SB, S Br** **Signal Box or Bridge**
FAP **Fire Alarm Pillar** **SP, SL** **Signal Post or Light**
FB **Foot Bridge** **Spr** **Spring**
GP **Guide Post** **Tk** **Tank or Track**
H **Hydrant or Hydraulic** **TCB** **Telephone Call Box**
LC **Level Crossing** **TCP** **Telephone Call Post**
MH **Manhole** **Tr** **Trough**
MP **Mile Post or Mooring Post** **W** **Well**
MS **Mile Stone** **W** **Well**
NTL **Normal Tidal Limit** **Wd Pp** **Wind Pump**

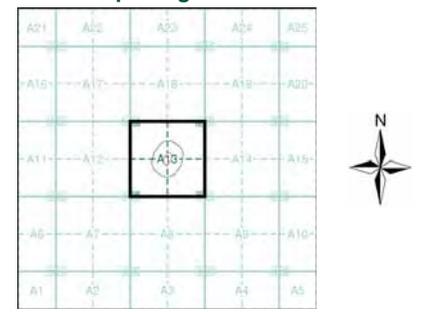
Large-Scale National Grid Data 1:2,500 and 1:1,250

Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m **Bench Mark** **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks **Barracks** **P** **Pillar, Pole or Post**
Bty **Battery** **PO** **Post Office**
Cemy **Cemetery** **PC** **Public Convenience**
Chy **Chimney** **Pp** **Pump**
Cis **Cistern** **Ppg Sta** **Pumping Station**
Dismtd Rly **Dismantled Railway** **PW** **Place of Worship**
EI Gen Sta **Electricity Generating Station** **Sewage Ppg Sta** **Sewage Pumping Station**
EI P **Electricity Pole, Pillar** **SB, S Br** **Signal Box or Bridge**
EI Sub Sta **Electricity Sub Station** **SP, SL** **Signal Post or Light**
FB **Filter Bed** **Spr** **Spring**
Fn / D Fn **Fountain / Drinking Ftn.** **Tk** **Tank or Track**
Gas Gov **Gas Valve Compound** **Tr** **Trough**
GVC **Gas Governor** **Wd Pp** **Wind Pump**
GP **Guide Post** **Wr Pt, Wr T** **Water Point, Water Tap**
MH **Manhole** **Wks** **Works (building or area)**
MP, MS **Mile Post or Mile Stone** **W** **Well**

Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|--|---------|-------------|----|
| Yorkshire | 1:2,500 | 1893 | 2 |
| Yorkshire | 1:2,500 | 1907 | 3 |
| Yorkshire | 1:2,500 | 1922 | 4 |
| Yorkshire | 1:2,500 | 1937 | 5 |
| Ordnance Survey Plan | 1:2,500 | 1955 | 6 |
| Ordnance Survey Plan | 1:1,250 | 1955 | 7 |
| Additional SIMs | 1:1,250 | 1955 - 1989 | 8 |
| Ordnance Survey Plan | 1:1,250 | 1962 - 1971 | 9 |
| Ordnance Survey Plan | 1:2,500 | 1967 | 10 |
| Supply of Unpublished Survey Information | 1:1,250 | 1973 - 1975 | 11 |
| Ordnance Survey Plan | 1:1,250 | 1976 | 12 |
| Additional SIMs | 1:1,250 | 1984 | 13 |
| Additional SIMs | 1:1,250 | 1988 | 14 |
| Additional SIMs | 1:1,250 | 1989 | 15 |
| Large-Scale National Grid Data | 1:1,250 | 1992 - 1993 | 16 |
| Large-Scale National Grid Data | 1:1,250 | 1993 | 17 |
| Large-Scale National Grid Data | 1:1,250 | 1996 | 18 |
| Historical Aerial Photography | 1:2,500 | 1999 | 19 |

Historical Map - Segment A13



Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 100

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

Landmark INFORMATION GROUP
 Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

A Landmark Information Group Service v50.0 08-Aug-2022 Page 1 of 19

Yorkshire

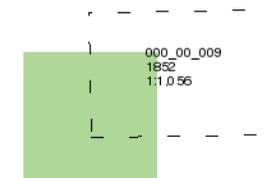
Published 1852

Source map scale - 1:1,056

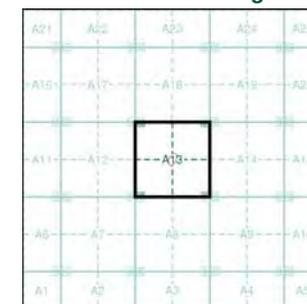
The 1:1056 scale of Ordnance Survey mapping was adopted from Ireland in 1848 and was used to survey towns with a population of over 4000, plus county towns of lesser population, in those counties mapped at the six-inch scale in 1841-55. The scale was the largest scale at which London was mapped by the Ordnance Survey and a 'skeleton' survey of the capital, showing little more than streets, street names, frontages and altitudes, was undertaken between 1848 and 1850. The majority of the 1:1056 surveys were later replaced by 1:500 surveys; although almost all the remainder were revised at this scale, sometimes more than once before 1895. The type of detail shown on the 1:1056 scale is broadly similar to that on 1:500; the apparent omission of minor details such as sewer access points and street lights may be as much a reflection of the generally earlier date of these plans, as of the specification of the map.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)



Historical Town Plan - Segment A13

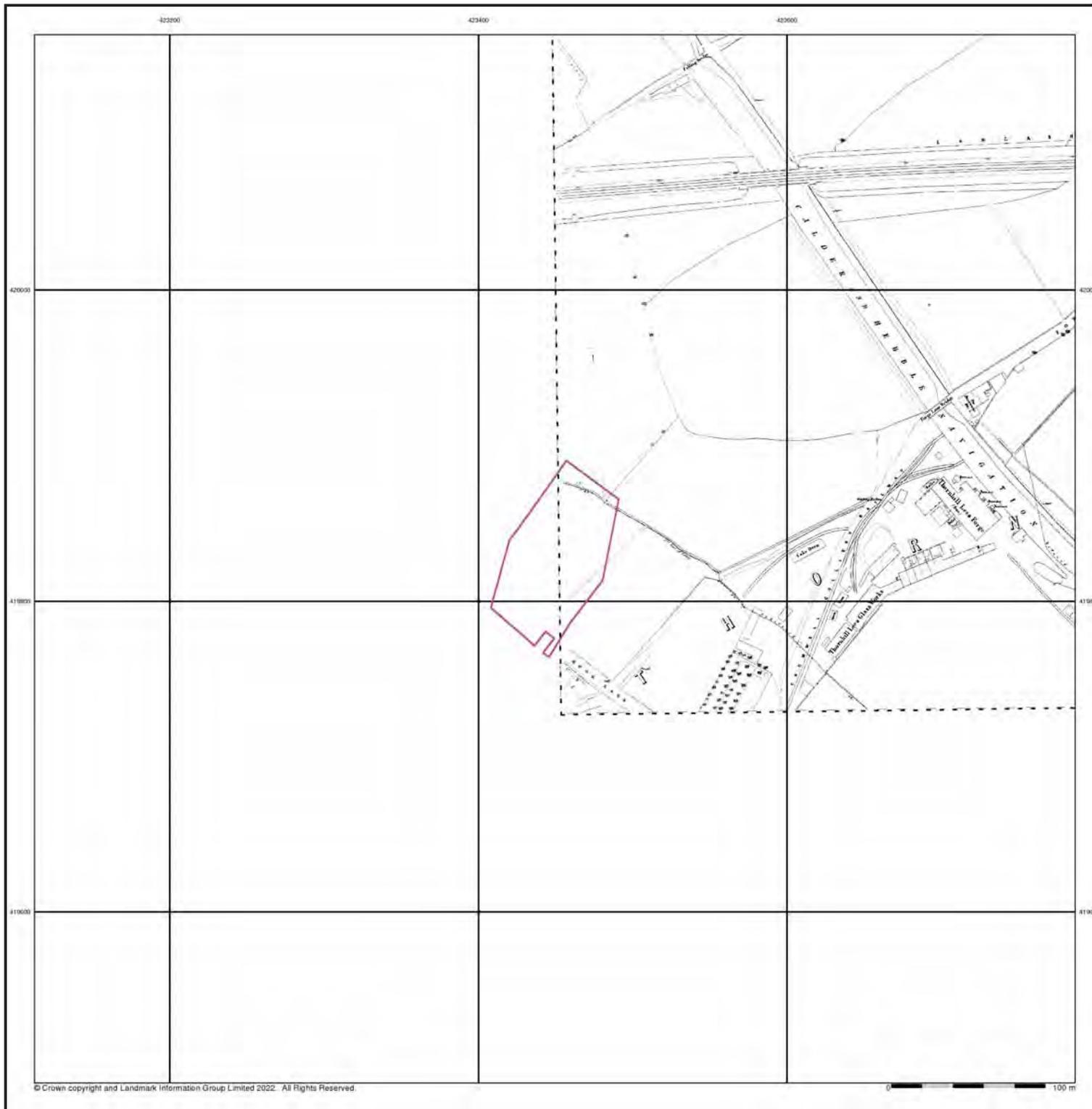


Order Details

Order Number: 299503985_1_1
Customer Ref: 203-22-989
National Grid Reference: 423450, 419830
Slice: A
Site Area (Ha): 0.59
Search Buffer (m): 0

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



Yorkshire

Published 1855

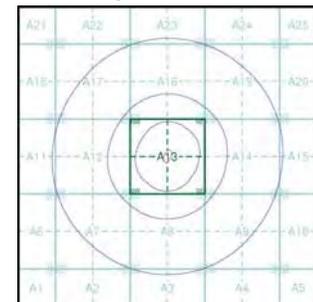
Source map scale - 1:10,560

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)



Historical Map - Slice A

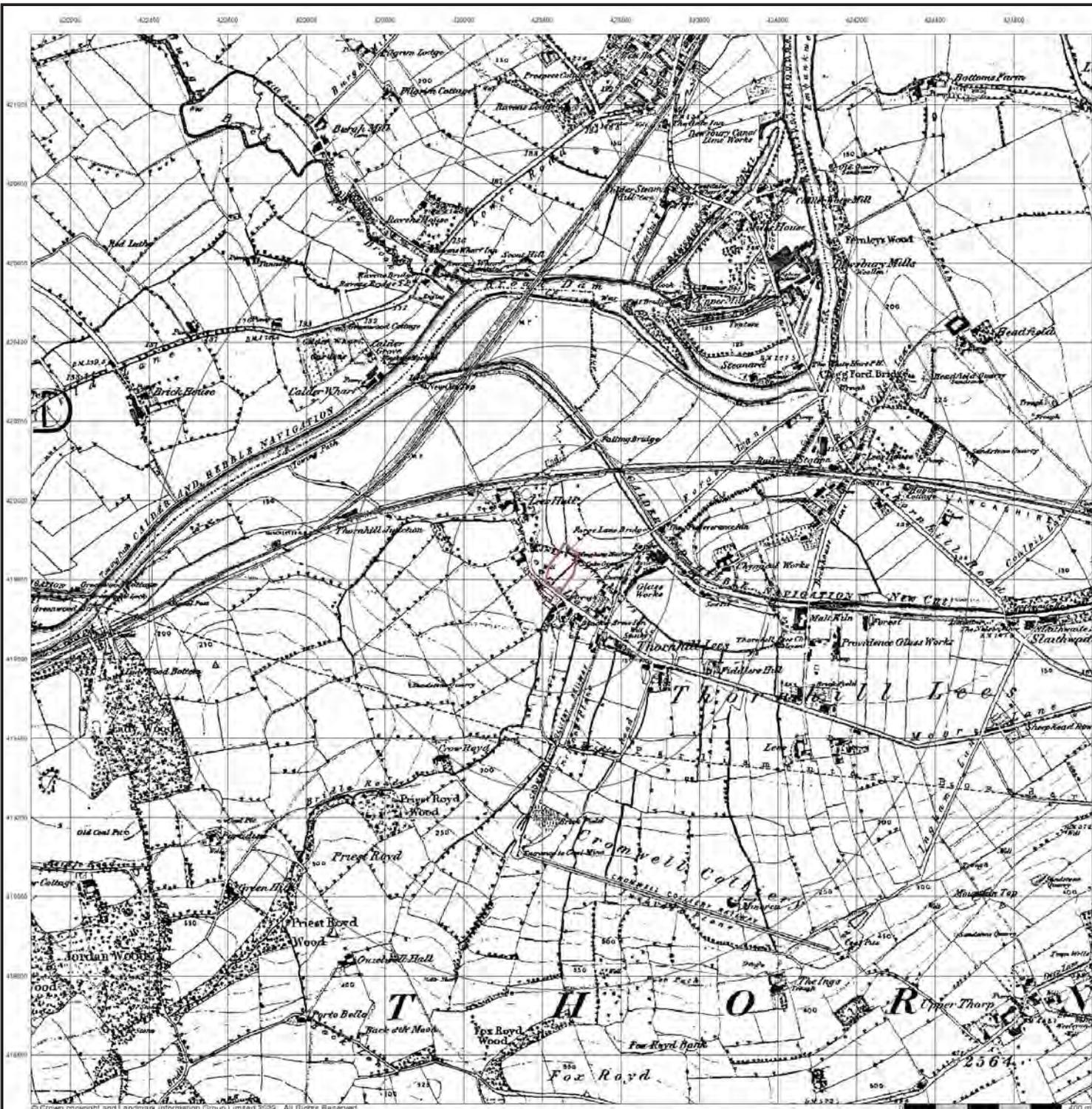


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



Yorkshire

Published 1893

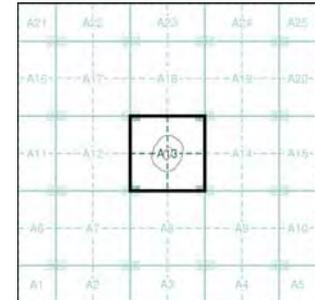
Source map scale - 1:2,500

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

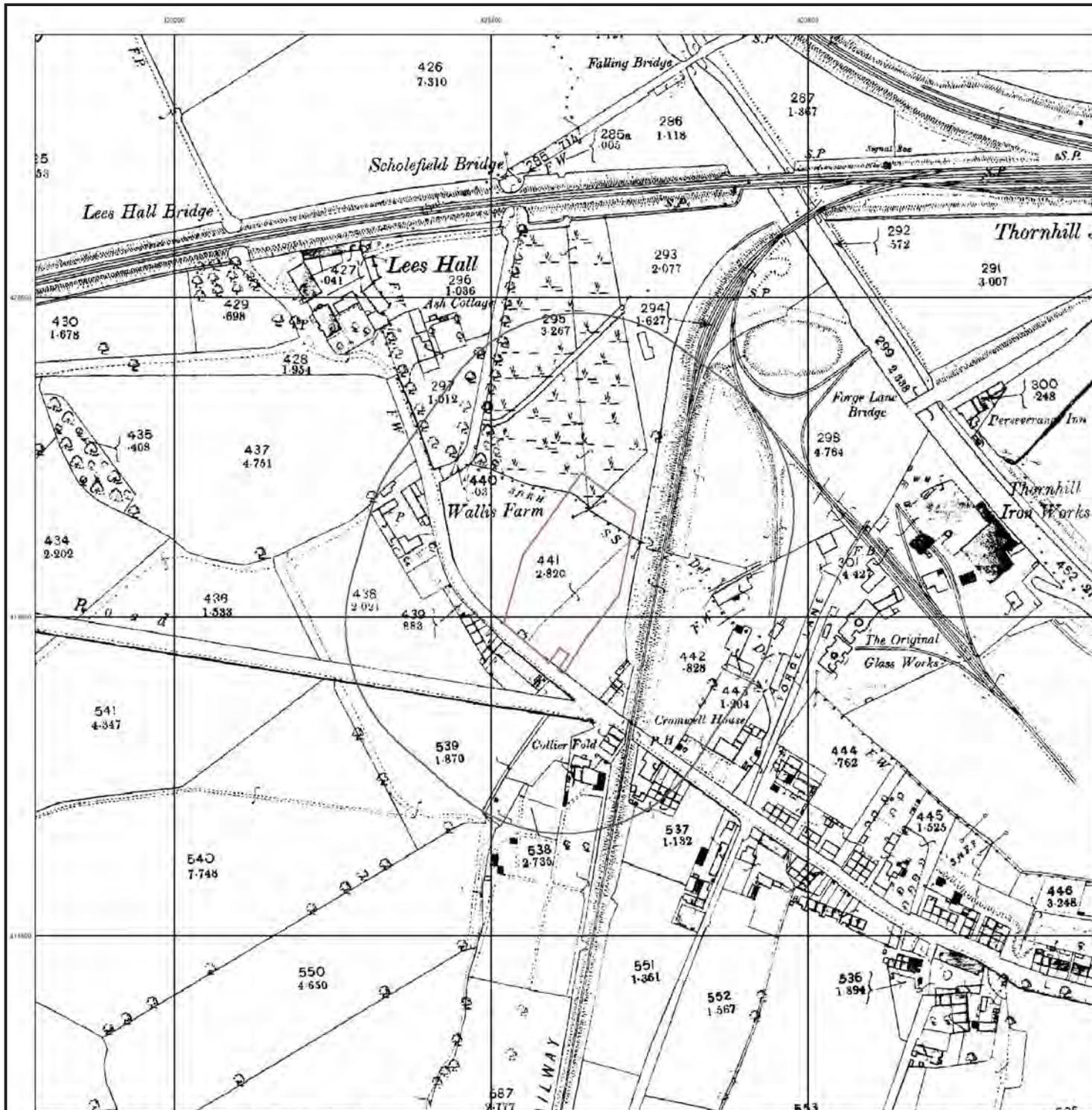


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 100

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ





© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved

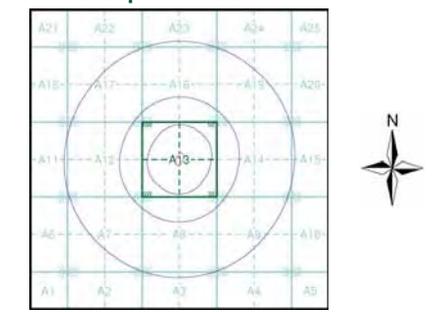
Yorkshire
Published 1894
Source map scale - 1:10,560

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)

| | |
|---------------------------|---------------------------|
| 247NW 1894 1:10,560 | 247NE 1894 1:10,560 |
| 247SW 1894 1:10,560 | 247SE 1894 1:10,560 |

Historical Map - Slice A



Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

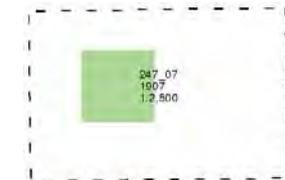
Yorkshire

Published 1907

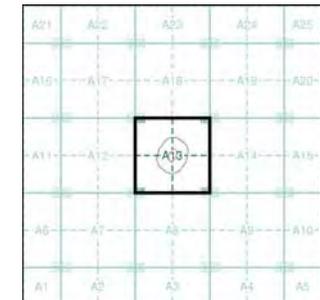
Source map scale - 1:2,500

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

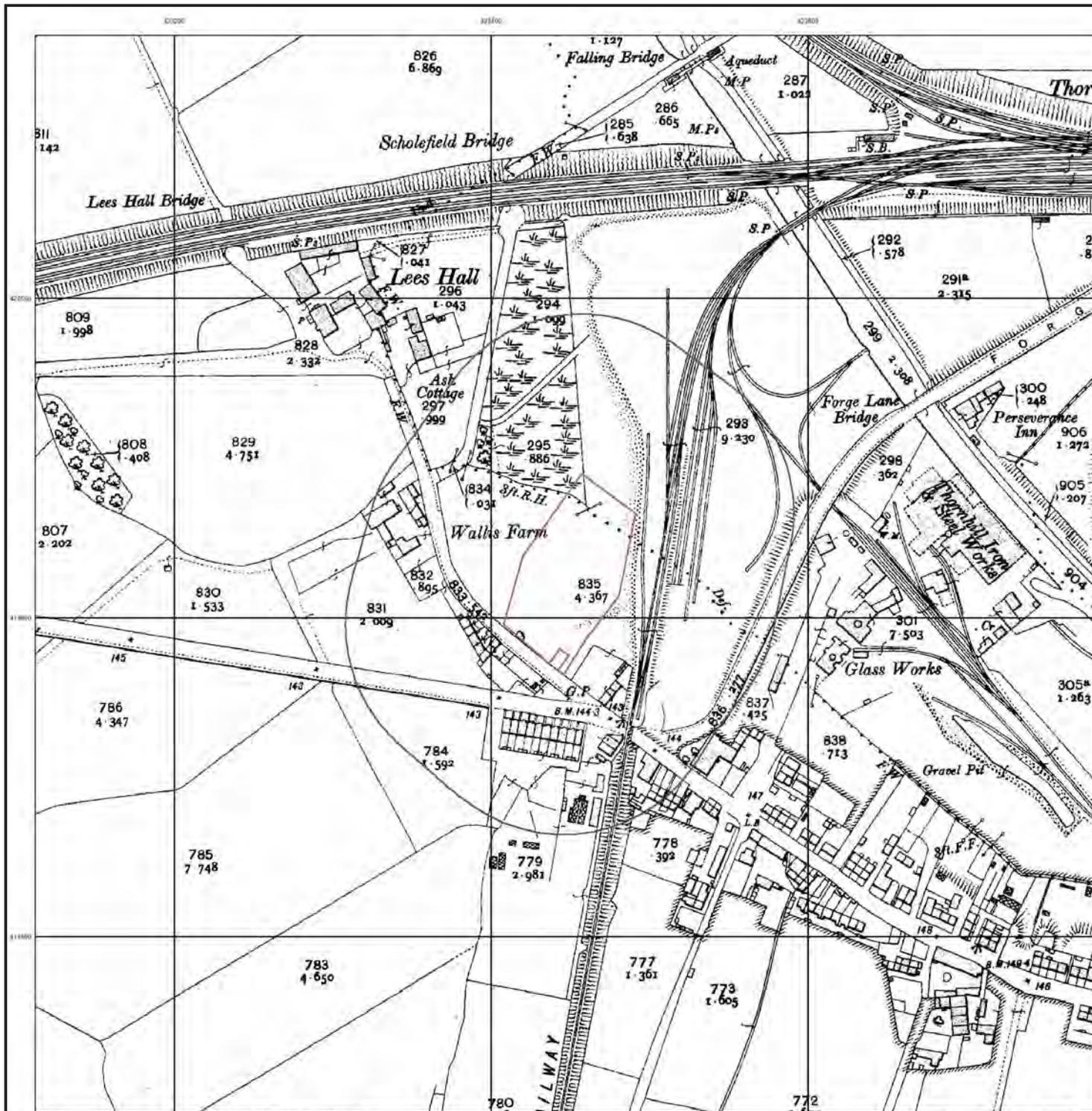


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 100

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ





© Crown copyright and Landmark Information Group Limited 2002. All Rights Reserved

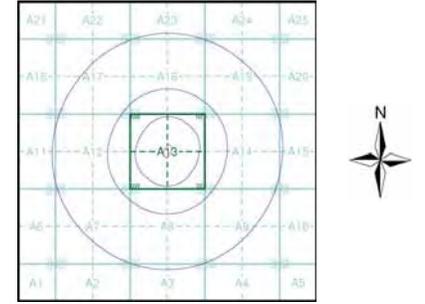
Yorkshire
Published 1908
Source map scale - 1:10,560

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)

| | |
|---------------------------|---------------------------|
| 247NW 1908 1:10,560 | 247NE 1908 1:10,560 |
| 247SW 1908 1:10,560 | 247SE 1908 1:10,560 |

Historical Map - Slice A



Order Details
 Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details
 Land at Lees Hall Road, Dewsbury, WF12 9EQ

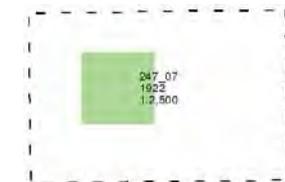
Yorkshire

Published 1922

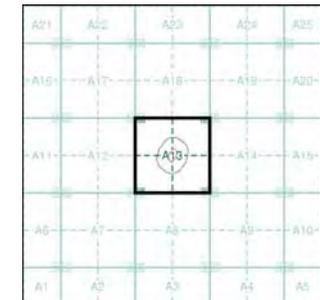
Source map scale - 1:2,500

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

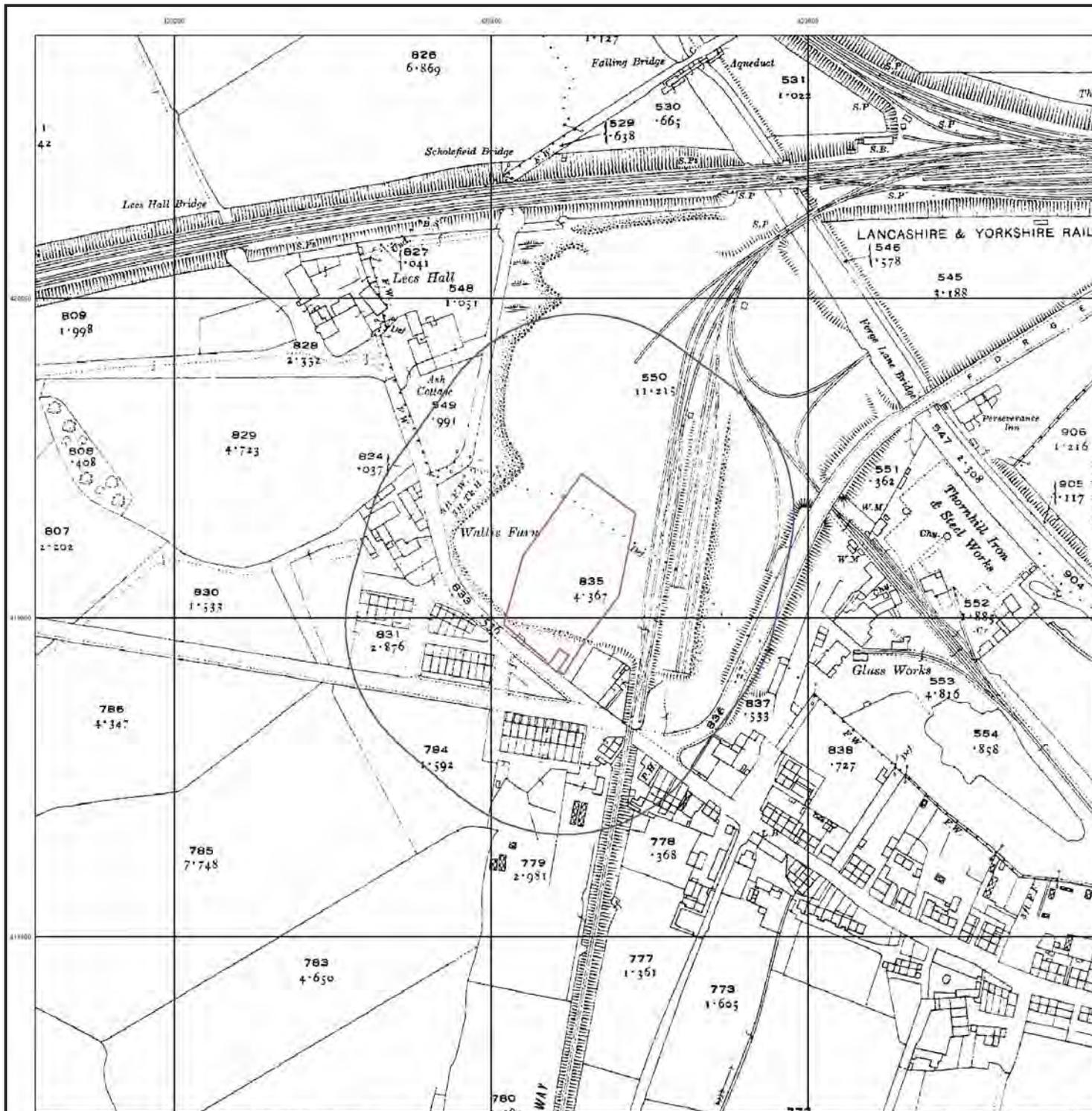


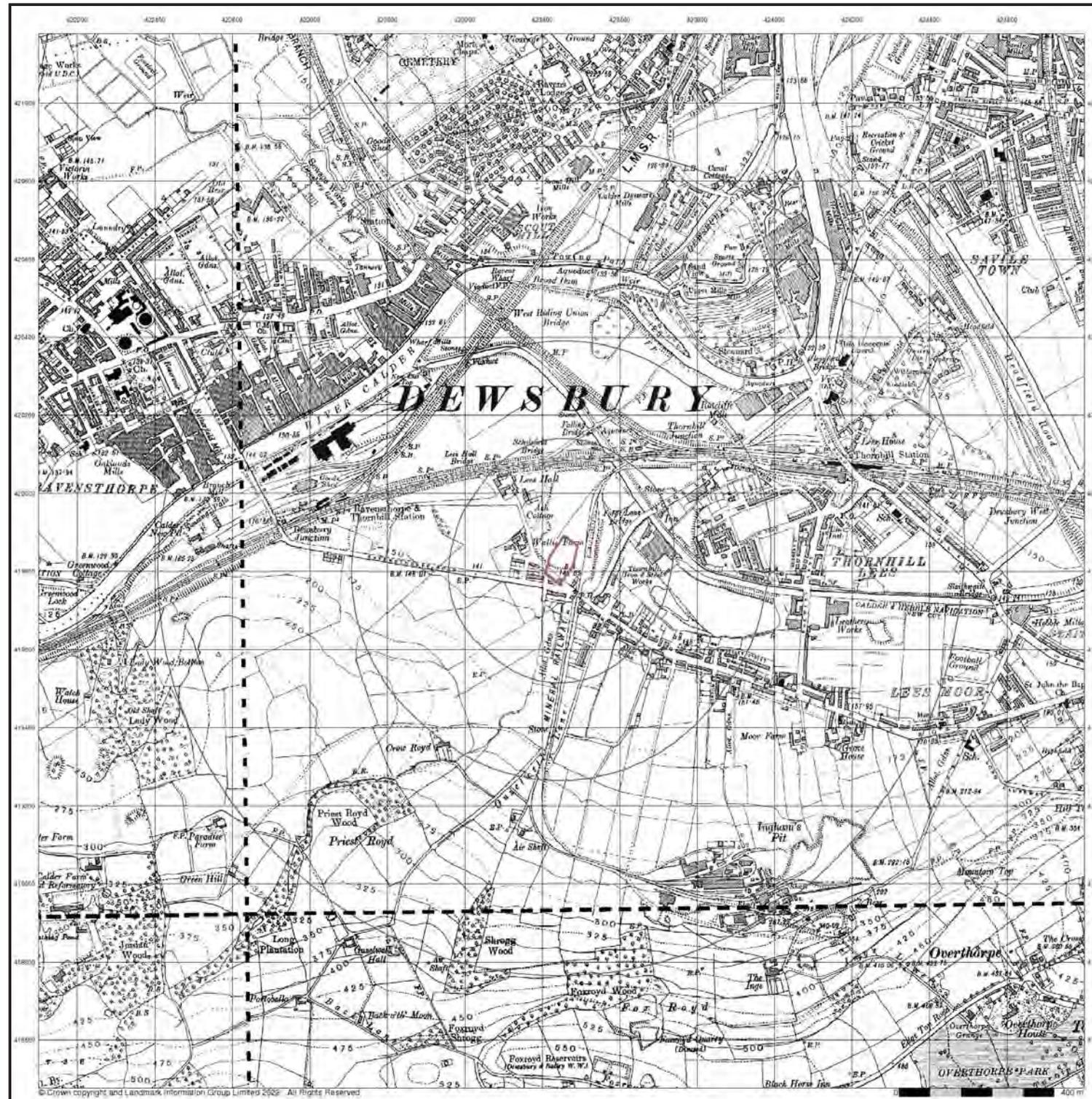
Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 100

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ





© Crown copyright and Landmark Information Group Limited 2002. All Rights Reserved

Yorkshire

Published 1930 - 1931

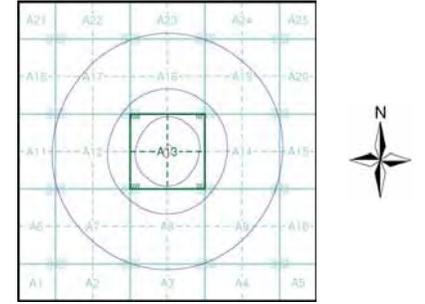
Source map scale - 1:10,560

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)

| | |
|---------------------------|---------------------------|
| 247NW 1931 1:10,560 | 247NE 1931 1:10,560 |
| 247SW 1930 1:10,560 | 247SE 1931 1:10,560 |

Historical Map - Slice A



Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

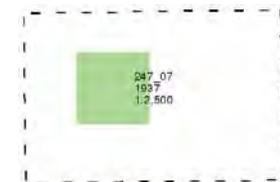
Yorkshire

Published 1937

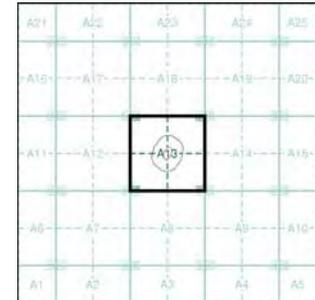
Source map scale - 1:2,500

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

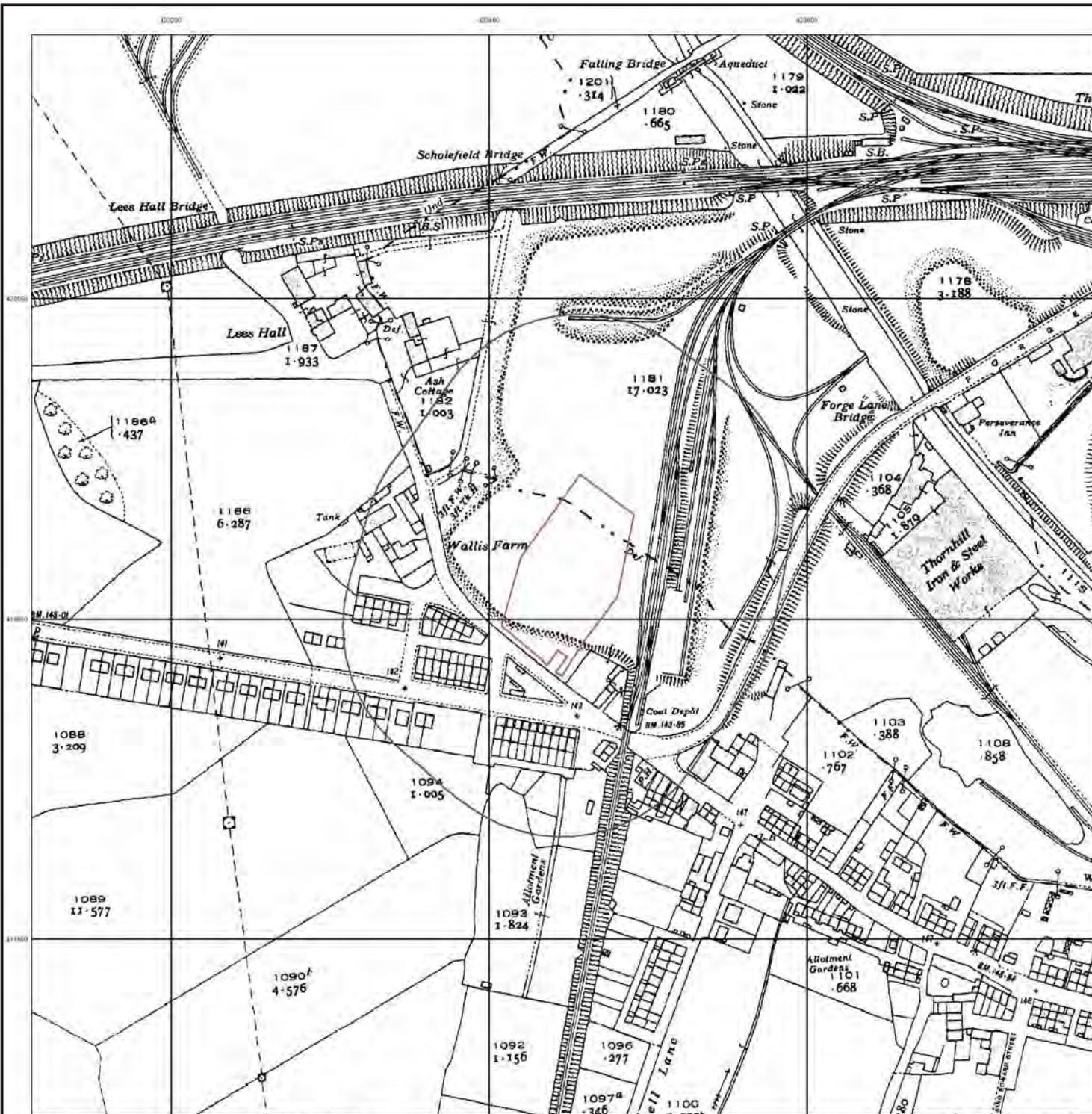


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 100

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



Yorkshire

Published 1938

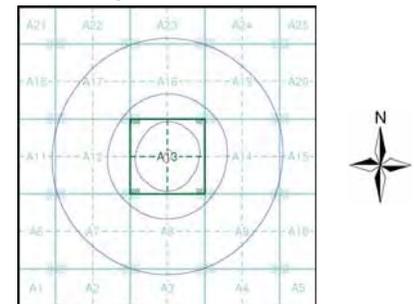
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for mapping urban areas; 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)

| | |
|---------------------------|---------------------------|
| 247NW 1938 1:10,560 | 247NE 1938 1:10,560 |
| 247SW 1938 1:10,560 | 247SE 1938 1:10,560 |

Historical Map - Slice A



Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



Ordnance Survey Plan

Published 1955

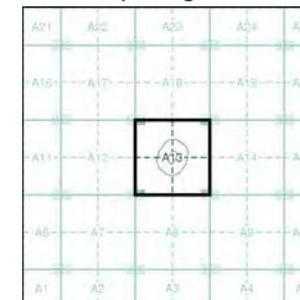
Source map scale - 1:2,500

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

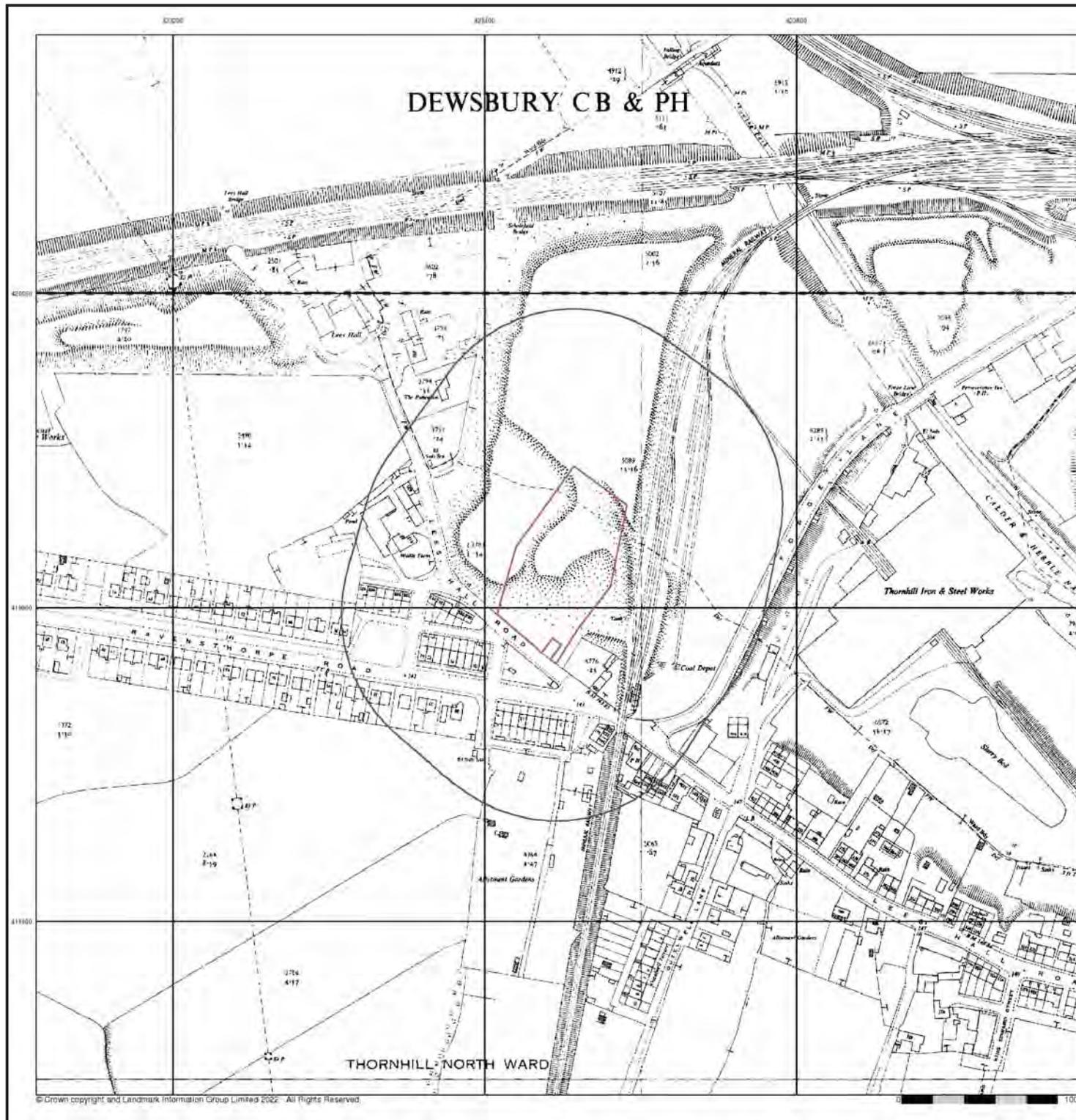


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 100

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



Ordnance Survey Plan

Published 1955

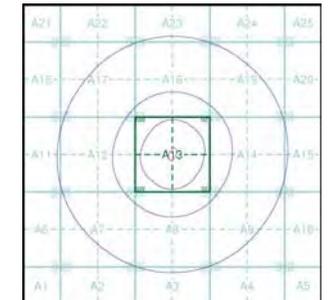
Source map scale - 1:10,000

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)

| | | |
|--------|------|----------|
| SE22SW | 1955 | 1:10,560 |
| SE21NW | 1955 | 1:10,560 |

Historical Map - Slice A



Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



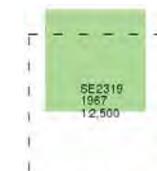
Ordnance Survey Plan

Published 1967

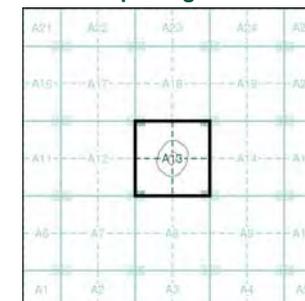
Source map scale - 1:2,500

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

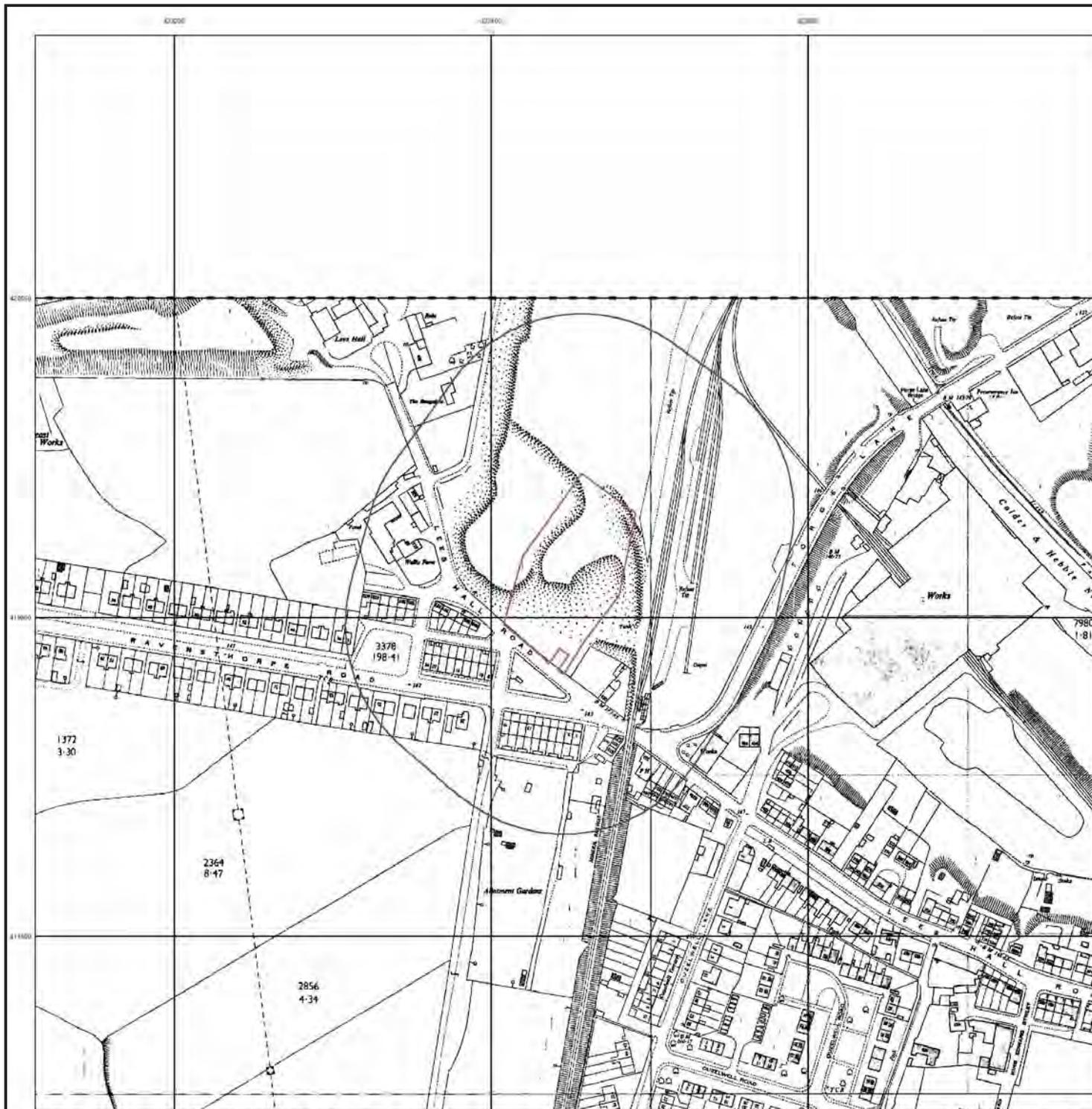


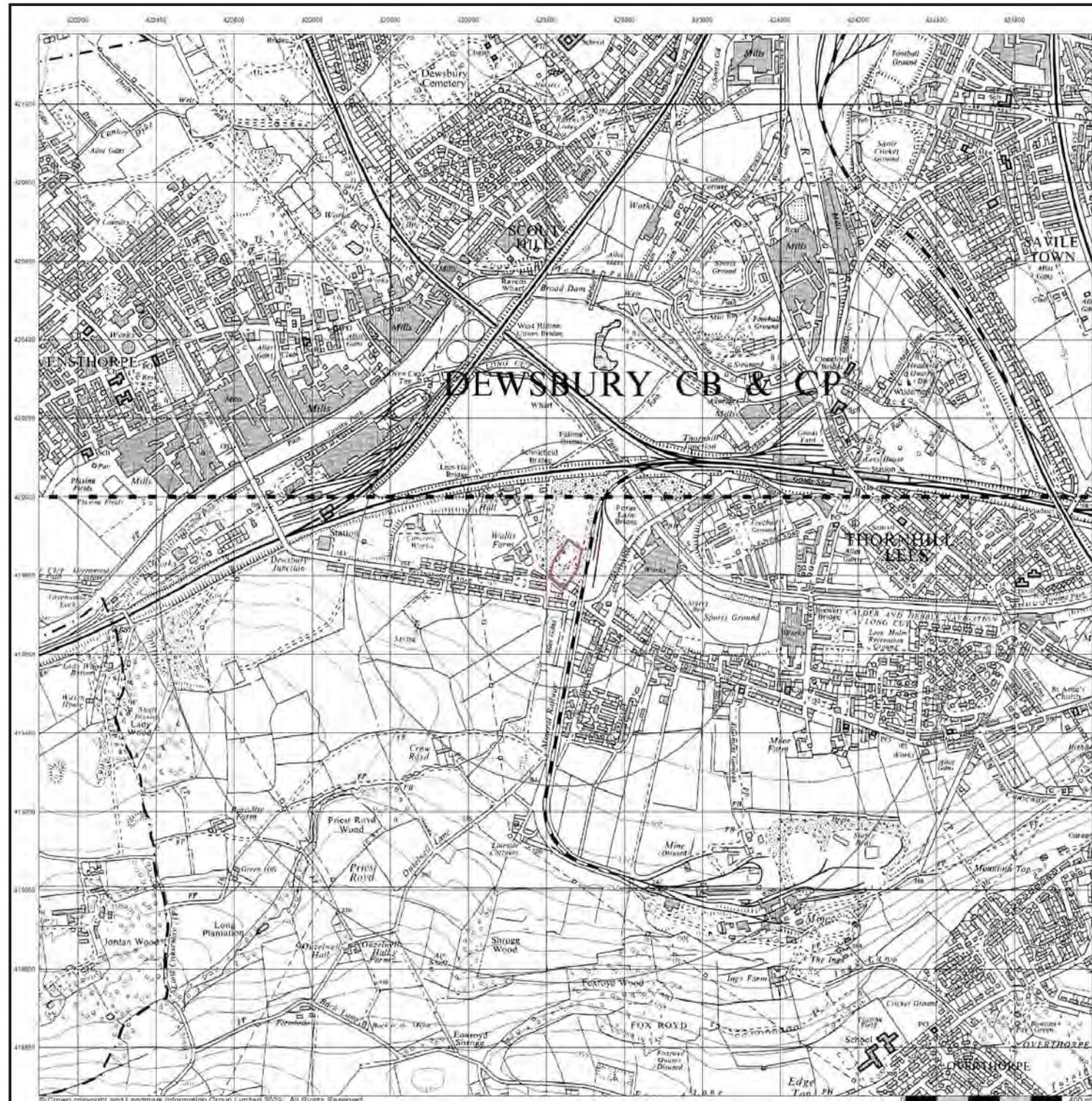
Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 100

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ





© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved

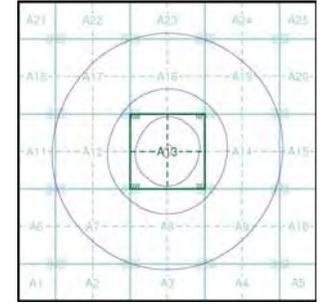
Ordnance Survey Plan
Published 1966 - 1967
Source map scale - 1:10,000

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)

| | | |
|--------|------|----------|
| SE22SW | 1967 | 1:10,560 |
| SE21NW | 1966 | 1:10,560 |

Historical Map - Slice A



Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

Ordnance Survey Plan

Published 1962 - 1971

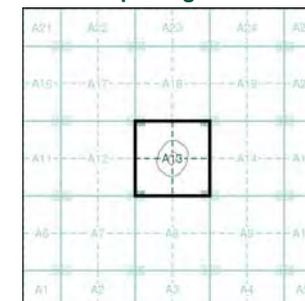
Source map scale - 1:1,250

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)

| | |
|----------|----------|
| SE2319NW | SE2319NE |
| 1971 | 1964 |
| 1:1,250 | 1:1,250 |
| SE2319SW | SE2319SE |
| 1962 | 1962 |
| 1:1,250 | 1:1,250 |

Historical Map - Segment A13

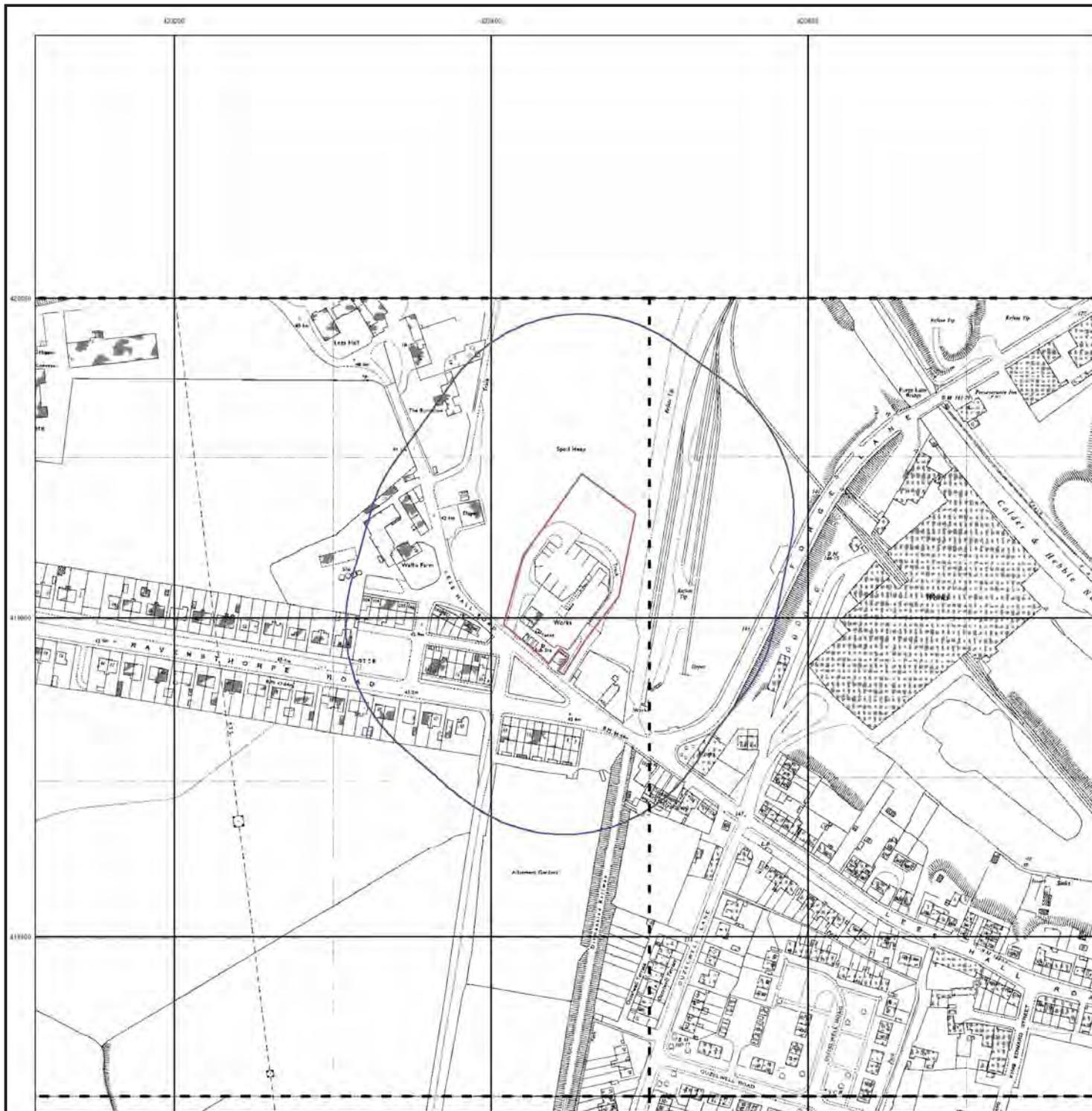


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 100

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



Supply of Unpublished Survey Information

Published 1973 - 1975

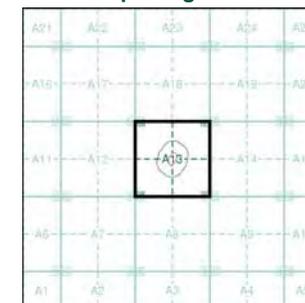
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

| | | |
|----------|------|---------|
| SE2320SE | 1973 | 1:1,250 |
| SE2319NW | 1973 | 1:1,250 |
| SE2319NE | 1975 | 1:1,250 |

Historical Map - Segment A13

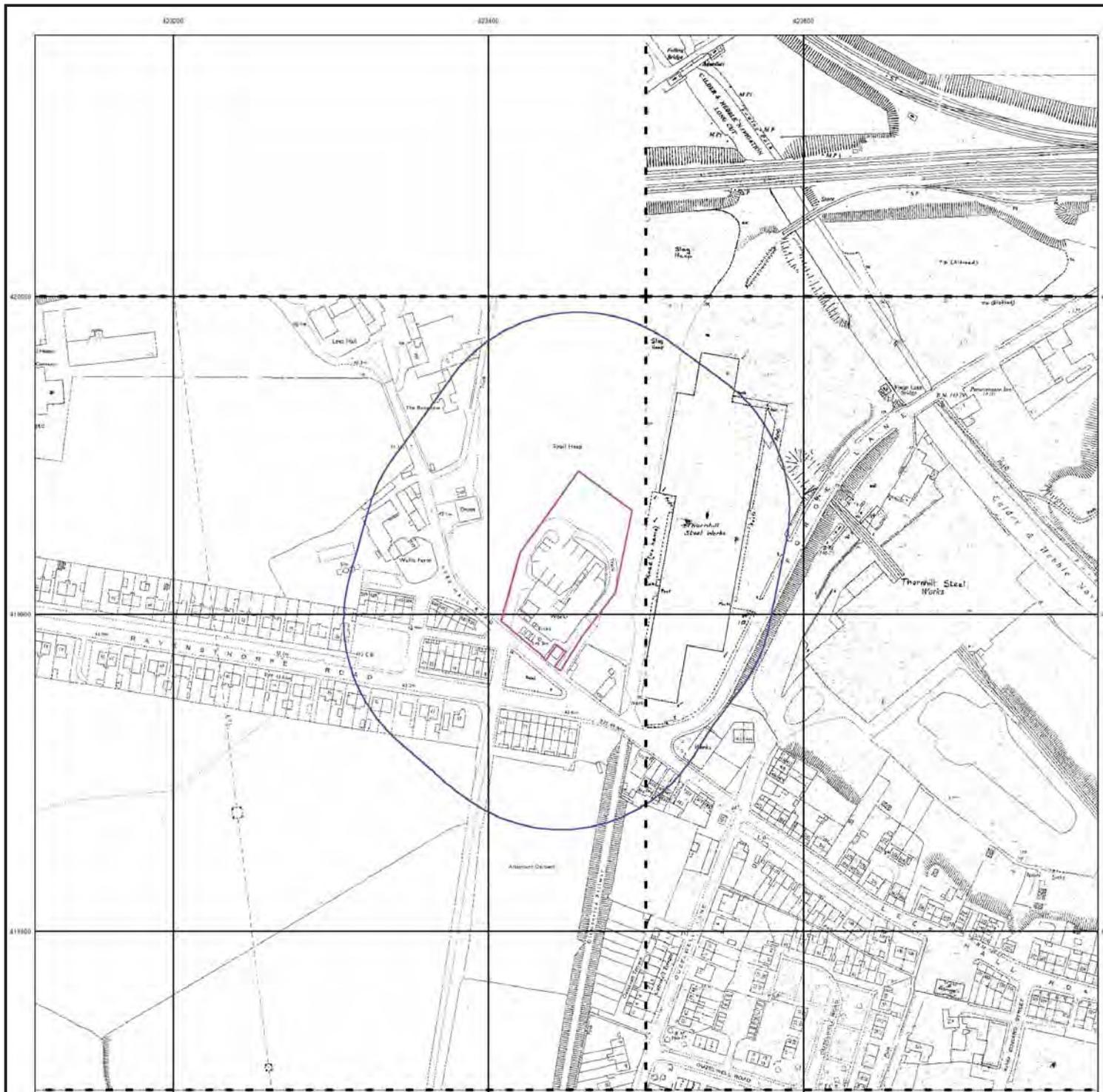


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 100

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ





© Crown copyright and Landmark Information Group Limited 2002. All Rights Reserved

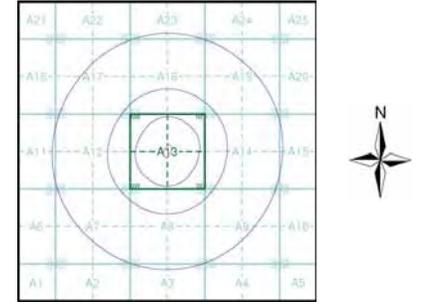
Ordnance Survey Plan Published 1983 Source map scale - 1:10,000

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)

| | | |
|--------|------|----------|
| SE22SW | 1983 | 1:10,000 |
| SE21NW | 1983 | 1:10,000 |

Historical Map - Slice A



Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

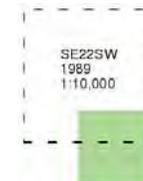
Ordnance Survey Plan

Published 1989

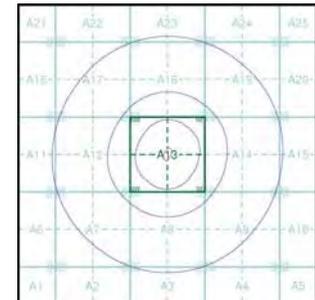
Source map scale - 1:10,000

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

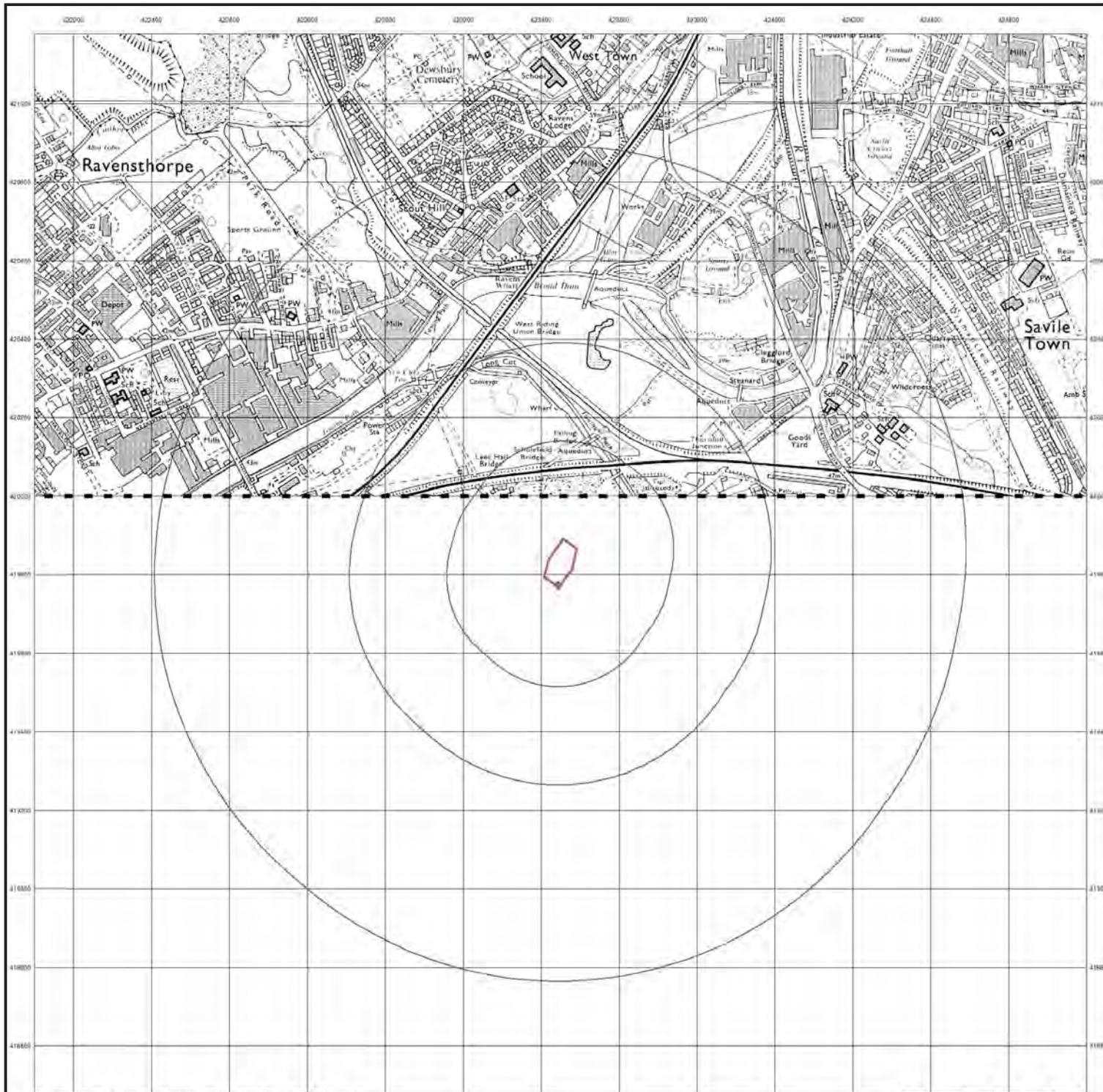


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



Large-Scale National Grid Data

Published 1992 - 1993

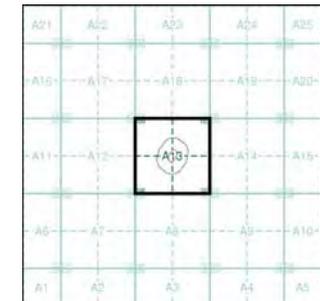
Source map scale - 1:1,250

'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)

| | | |
|------------------|---------|---------|
| IE23205WE23209E | 1992 | 1992 |
| | 1:1,250 | 1:1,250 |
| IE2319WBE2319NE | 1993 | 1993 |
| | 1:1,250 | 1:1,250 |
| IE2319SWBE2319SE | 1993 | 1993 |
| | 1:1,250 | 1:1,250 |

Historical Map - Segment A13

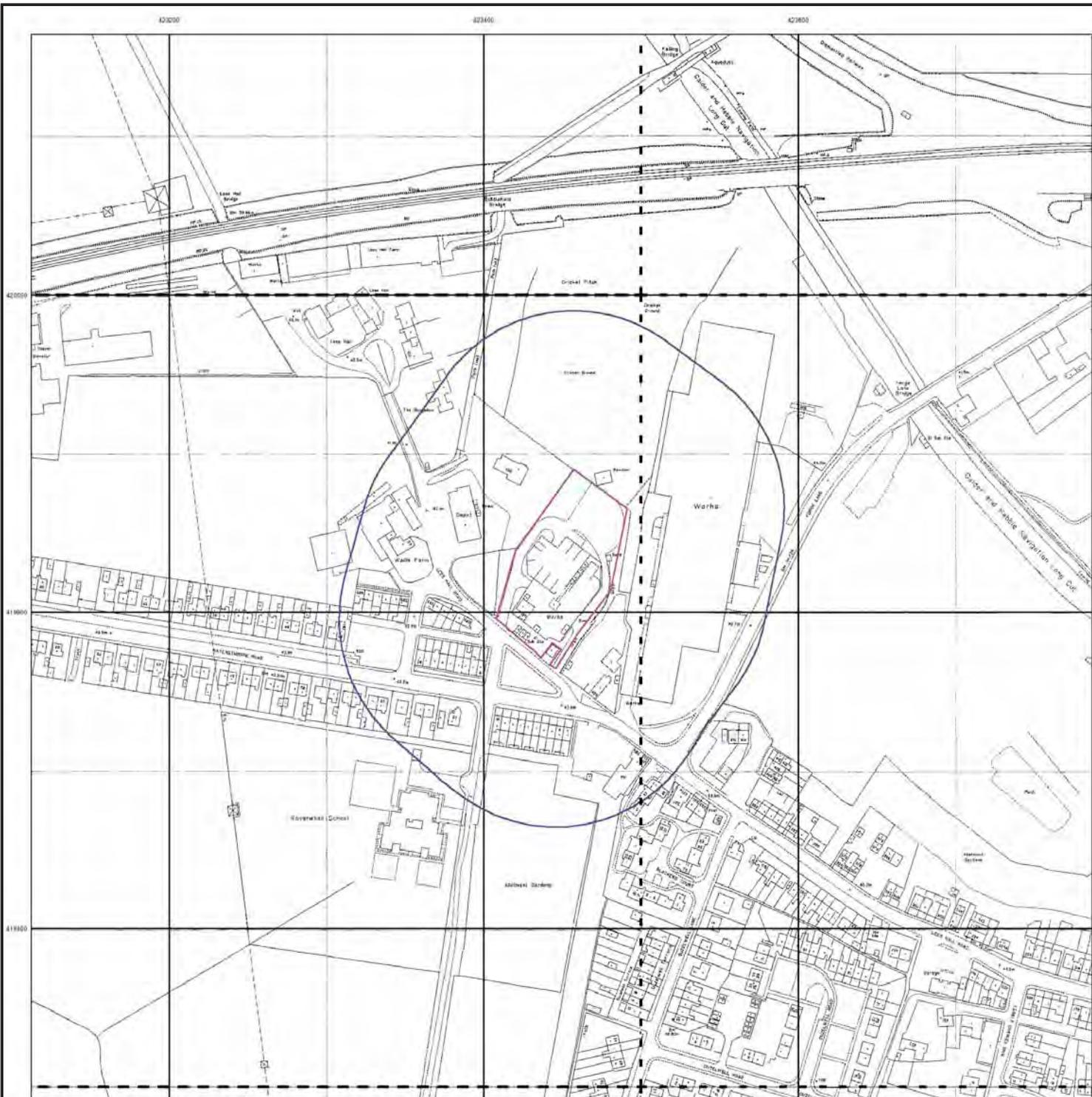


Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 100

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



42200

42300

42400



© Copyright Getmapping plc

0 100 m

Envirocheck[®]

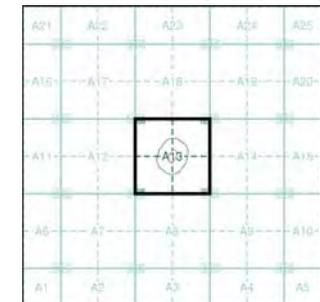
LANDMARK INFORMATION GROUP[®]

Historical Aerial Photography

Published 1999

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

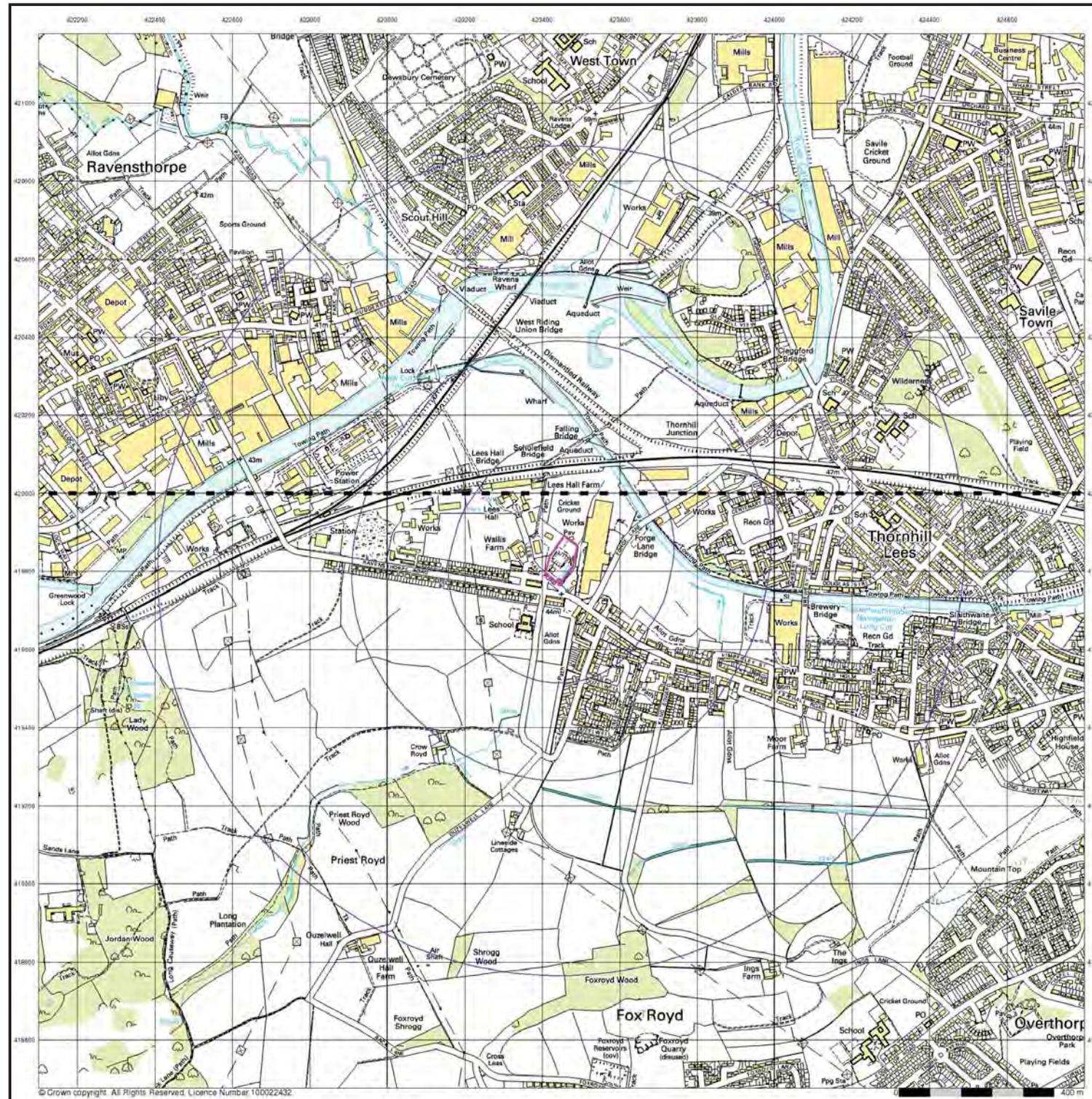
Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 100

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

Landmark
 LANDMARK INFORMATION GROUP

Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



© Crown copyright. All Rights Reserved. Licence Number: 100022432

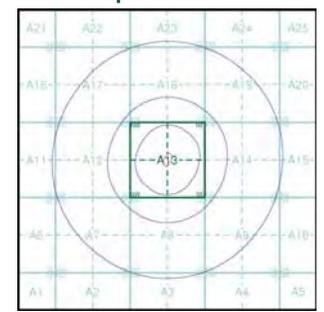
10k Raster Mapping
Published 2000
Source map scale - 1:10,000

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)

| | | |
|--------|------|----------|
| SE22SW | 2000 | 1:10,000 |
| SE21NW | 2000 | 1:10,000 |

Historical Map - Slice A



Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ

10k Raster Mapping

Published 2006

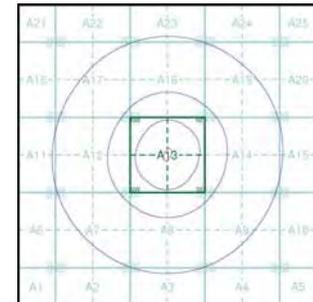
Source map scale - 1:10,000

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)

| | | |
|--------|------|----------|
| SE22SW | 2006 | 1:10,000 |
| SE21NW | 2006 | 1:10,000 |

Historical Map - Slice A

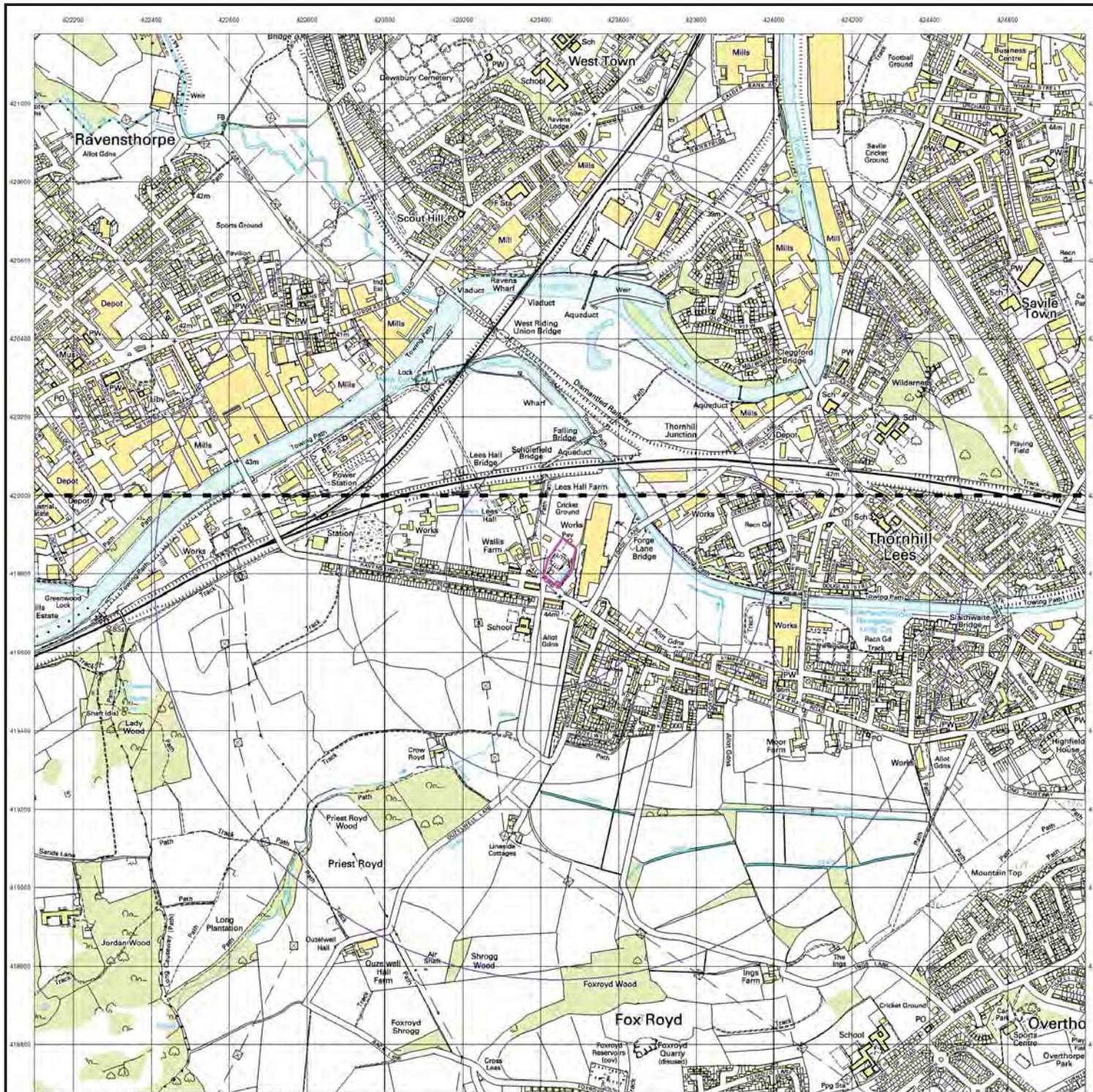


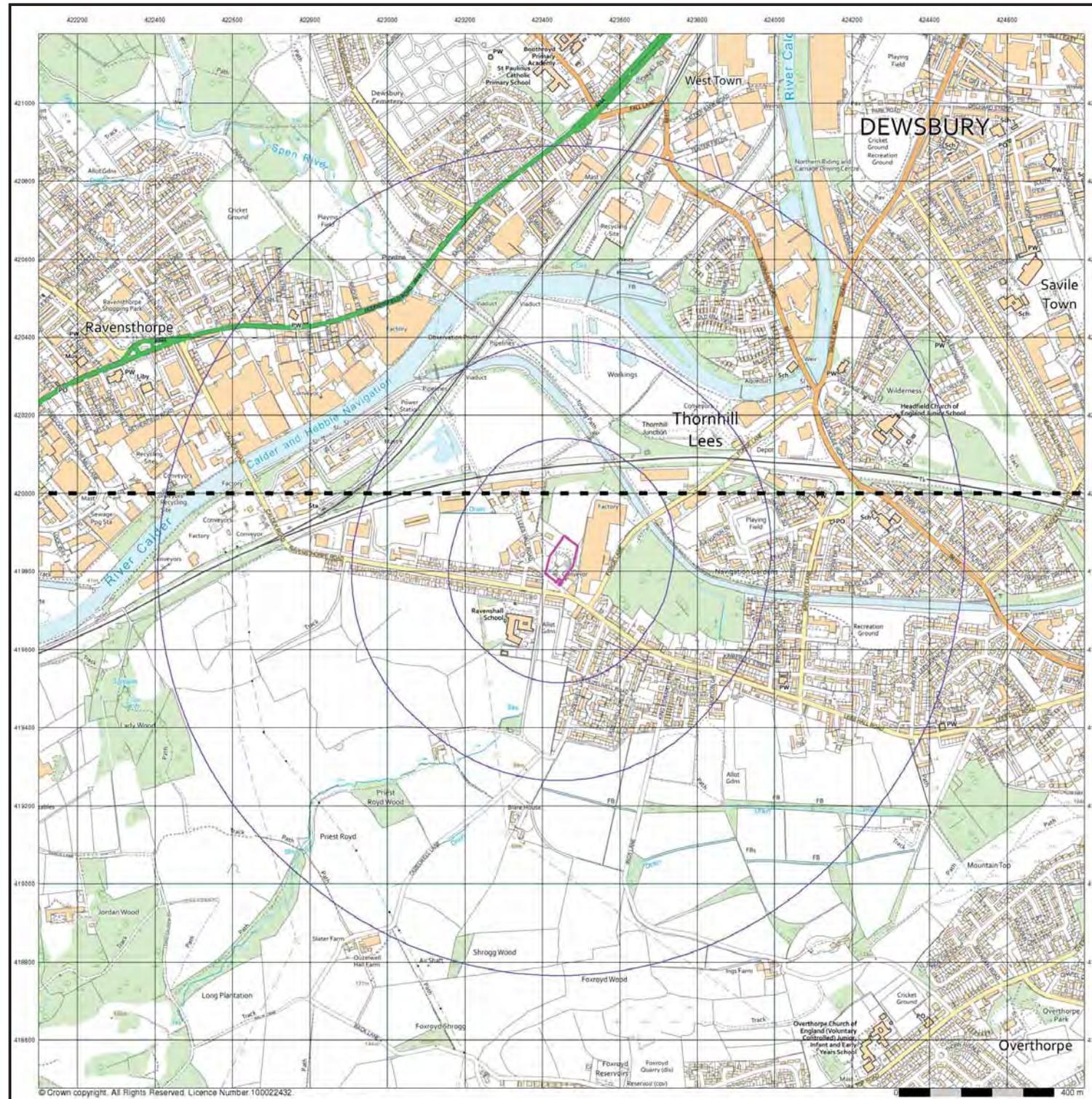
Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ





© Crown copyright. All Rights Reserved. Licence Number 100022432.

VectorMap Local

Published 2021

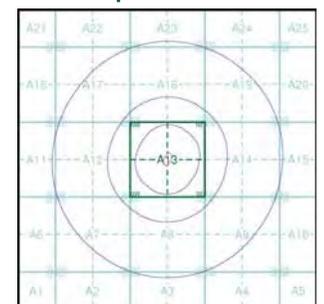
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000 covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

| | | |
|--------|------|----------|
| SE22SW | 2021 | Variable |
| SE21NW | 2021 | Variable |

Historical Map - Slice A



Order Details

Order Number: 299503985_1_1
 Customer Ref: 203-22-989
 National Grid Reference: 423450, 419830
 Slice: A
 Site Area (Ha): 0.59
 Search Buffer (m): 1000

Site Details

Land at Lees Hall Road, Dewsbury, WF12 9EQ



APPENDIX IV
FIELD RECORDS



| | | | | | |
|--|--|--|--------------------------------|------------------|--|
| Project Name: Land at Lees Hall Road, Dewsbury | | Project No.: 203-22-989 | | Hole Type WLS | |
| Location: Lees Hall Road, Dewsbury | | Co-ords: 423457.80 E 419863.48 N | Level: 49.69m AOD | Scale 1:25 | |
| Client: Tarmac Trading Limited | | Start 23/08/2022 | Dates: Finish 23/08/2022 | Logged By SP | |

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | W/S | Well |
|----------------------------|------------|----------------------|-----------|-----------|-----------|-----------|--|--|-----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| | | | | | | | MADE GROUND: Concrete hardstanding. | | | |
| 0.80 | ES1 | | | 0.8 | 0.70 | 48.99 | MADE GROUND: Grey brown and locally light grey slightly sandy slightly clayey and locally clayey angular to rounded fine to coarse GRAVEL of concrete and quartzite. | | | |
| 1.00 | SPT (S) | N=28 (1,1/1,10,10,7) | | 0.0 | | | | | | |
| 1.10 | ES2 | | | | | 1.20 | 48.49 | MADE GROUND: Soft grey brown and locally black slightly sandy slightly gravelly CLAY. Gravel is angular to rounded fine to coarse quartzite, siltstone, brick, coal, glass and black organic matter. | | |
| 1.50 | ES3 | | | 0.7 | 1.40 | 48.29 | MADE GROUND: Orange red slightly sandy angular to subangular fine to coarse GRAVEL of brick with 1 No. subangular cobble of brick. | | | |
| 1.70 | ES4 | | | 0.7 | 1.65 | 48.04 | MADE GROUND: Black sandy angular to rounded fine to coarse GRAVEL of slag, coal, clinker, quartzite, slate and mudstone. | | | |
| 2.00 - 2.45 | D5 SPT (S) | N=7 (2,1/2,2,1,2) | | 6.8 | 2.00 | 47.69 | MADE GROUND: Loose black locally mottled grey and brown slightly sandy slightly clayey and locally clayey angular to subangular fine to coarse GRAVEL of mudstone, coal and clinker. | | | |
| 2.00 | D6 | | | | 2.2 | | | MADE GROUND: Firm black mottled yellow brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone and coal. | | |
| 2.20 | | | | | | | | | | |
| 2.60 | ES7 | | | 1.5 | | | | | | |
| 3.00 - 3.45 | D8 SPT (S) | N=7 (1,1/1,2,2,2) | | 3.1 | | | | | | |
| 3.00 | | | | | | | | | | |
| 3.60 | ES9 | | | 3.1 | 3.45 | 46.24 | MADE GROUND: Firm black locally mottled grey slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone and coal. | | | |
| 4.00 | SPT (S) | N=7 (1,1/2,1,2,2) | | 4.0 | 4.00 | 45.69 | MADE GROUND: Firm grey brown mottled black slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone, coal and clinker. | | | |
| 4.60 | ES10 | | | | 0.4 | | | | | |
| 5.00 - 5.45 | D11 | | | 12.4 | | | Continued on Next Sheet | | | |

Remarks
Hardstanding cored. Windowless sampling from ground level to completed depth. Groundwater not encountered. Installed with combined gas and groundwater standpipe on completion.

| | |
|---------------------------|----------------------------|
| Key | N/R - No Recovery |
| D - Disturbed Sample | HVP - Hand Vane Shear Test |
| ES - Environmental Sample | WS - Water Strike |
| B - Bulk Sample | |
| U - Undisturbed Sample | |
| SS - Surface Sample | |
| VS - Validation Sample | |
| W - Water Sample | |





WS101

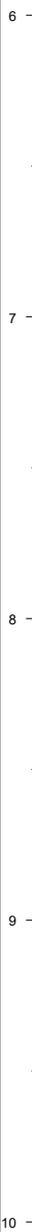
Sheet 2 of 2

| | | |
|--|-----------------------------------|------------------|
| Project Name: Land at Lees Hall Road, Dewsbury | Project No.: 203-22-989 | Hole Type WLS |
|--|-----------------------------------|------------------|

| | | | |
|--|--|----------------------|---------------|
| Location: Lees Hall Road, Dewsbury | Co-ords: 423457.80 E 419863.48 N | Level: 49.69m AOD | Scale 1:25 |
|--|--|----------------------|---------------|

| | | |
|--|--|-----------------|
| Client: Tarmac Trading Limited | Start Dates: Finish 23/08/2022 23/08/2022 | Logged By SP |
|--|--|-----------------|

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
|----------------------------|---------|--------------------|-----------|-----------|-----------|-----------|--|--------|----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 5.00 | SPT (S) | N=13 (1,2/2,3,4,4) | | | | | MADE GROUND: Firm grey brown mottled black slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone, coal and clinker. | | | |
| | | | | | 5.45 | 44.24 | End of Borehole at 5.450m | | | |



| | | | |
|---|---|--|--|
| Remarks Hardstanding cored. Windowless sampling from ground level to completed depth. Groundwater not encountered. Installed with combined gas and groundwater standpipe on completion. | Key D - Disturbed Sample ES - Environmental Sample B - Bulk Sample U - Undisturbed Sample SS - Surface Sample VS - Validation Sample W - Water Sample | N/R - No Recovery HVP - Hand Vane Shear Test WS - Water Strike | |
| | | | |

| www.aslenvironmental.co.uk | | | | | | | Window Sample No. <h2 style="margin: 0;">WS102</h2> Sheet 1 of 1 | | | |
|--|------|-----|-----------|-----------|--|-----------|---|--------|-----------------|------|
| Project Name: Land at Lees Hall Road, Dewsbury | | | | | Project No.: 203-22-989 | | Hole Type WLS | | | |
| Location: Lees Hall Road, Dewsbury | | | | | Co-ords: 423467.66 E 419867.10 N | | Level: 50.23m AOD | | Scale 1:25 | |
| Client: Tarmac Trading Limited | | | | | Start Dates: 24/08/2022 | | Finish 24/08/2022 | | Logged By SP | |
| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| | | | | | 0.30 | 49.93 | MADE GROUND: Concrete hardstanding. | | | |
| | | | | | | | End of Borehole at 0.300m | | | |
| <div style="display: flex; justify-content: space-between;"> 1 2 3 4 5 </div> | | | | | | | | | | |
| Remarks Hardstanding broken out from ground level to completed depth. Terminated due to concrete obstruction. Groundwater not encountered. Backfilled with arisings on completion. | | | | | | | Key D - Disturbed Sample ES - Environmental Sample B - Bulk Sample U - Undisturbed Sample SS - Surface Sample VS - Validation Sample W - Water Sample N/R - No Recovery HVP - Hand Vane Shear Test WS - Water Strike | | | |
| | | | | | | | | | | |

| | | | | | |
|--|--|--|----------------------|------------------|--|
| Project Name: Land at Lees Hall Road, Dewsbury | | Project No.: 203-22-989 | | Hole Type WLS | |
| Location: Lees Hall Road, Dewsbury | | Co-ords: 423470.79 E 419856.85 N | Level: 49.27m AOD | Scale 1:25 | |
| Client: Tarmac Trading Limited | | Start Dates: Finish 23/08/2022 24/08/2022 | | Logged By SP | |

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well | |
|----------------------------|-------------|--------------------------|-----------|-----------|-----------|-------------|--|--------|----|------|--|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | | |
| 0.15 | ES1 | N=39 (1,4/9,10,10,10) | | 0.6 | 0.25 | 49.02 | MADE GROUND: Firm brown locally mottled yellow brown slightly sandy slightly gravelly CLAY with rare rootlets. Gravel is angular to rounded fine to coarse brick, glass, concrete, mortar, mudstone and quartzite. | | | | |
| 0.50 | ES2 | | | | 0.1 | 0.60 | 48.67 | | | | MADE GROUND: Light brown and grey brown gravelly clayey SAND. Gravel is angular to rounded fine to coarse mortar, concrete, quartzite and mudstone. |
| 0.80 | ES3 | | | | 8.5 | 1.00 | 48.07 | | | | MADE GROUND: Firm grey brown slightly gravelly sandy CLAY. Gravel is angular to rounded fine to coarse concrete, quartzite and mudstone. |
| 1.00 | D4 SPT (S) | N=4 (1,0/1,1,1,1) | | 3.2 | 1.20 | 48.07 | MADE GROUND: Dense orange red sandy angular to subangular fine to coarse GRAVEL of brick. | | | | |
| 1.00 | D5 | | | | 0.9 | 1.55 | 47.72 | | | | MADE GROUND: Loose black brown and locally mottled yellow brown slightly sandy slightly clayey and locally clayey GRAVEL and locally firm black brown and locally mottled yellow brown locally sandy gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone, clinker and coal. |
| 1.80 | ES6 | | | | 0.6 | 2.00 - 2.45 | 44.97 | | | | MADE GROUND: Firm black brown and locally mottled yellow brown slightly gravelly sandy CLAY. Gravel is angular to subangular fine to coarse mudstone, coal and clinker. Sand is ash. |
| 2.00 | D7 SPT (S) | N=5 (2,1/2,1,1,1) | | 5.6 | 2.00 | | | | | | |
| 2.60 | ES8 | | | | 1.4 | 3.00 - 3.45 | | | | | |
| 3.00 | D9 SPT (S) | | | | 0.9 | 4.00 - 4.45 | | | | | |
| 3.60 | ES10 | N=5 (1,1/1,1,2,1) | | 3.8 | 4.00 | | | | | | |
| 4.00 | D11 SPT (S) | | | | 0.2 | 4.60 | | | | | |
| 4.60 | ES12 | | | | 0.2 | 5.00 - 5.45 | | | | | |
| 5.00 | D13 | | | 2.7 | | | Continued on Next Sheet | | | | |

Remarks

Windowless sampling from ground level to completed depth. Groundwater not encountered.
Backfilled with arisings on completion.

Key

D - Disturbed Sample
ES - Environmental Sample
B - Bulk Sample
U - Undisturbed Sample
SS - Surface Sample
VS - Validation Sample
W - Water Sample
N/R - No Recovery
HVP - Hand Vane Shear Test
WS - Water Strike





Project Name: **Land at Lees Hall Road, Dewsbury** Project No.: **203-22-989** Hole Type: **WLS**

Location: **Lees Hall Road, Dewsbury** Co-ords: 423470.79 E 419856.85 N Level: 49.27m AOD Scale: 1:25

Client: **Tarmac Trading Limited** Start Dates: 23/08/2022 Finish: 24/08/2022 Logged By: SP

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | W/S | Well | | |
|----------------------------|----------------|--------------------|-----------|-----------|--------------|----------------|---|--------|-----|---|--|--|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | | | |
| 5.00 | SPT (S) | N=7 (2,1/1,1,2,3) | | | | | MADE GROUND: Firm black brown and locally mottled yellow brown slightly gravelly sandy CLAY. Gravel is angular to subangular fine to coarse mudstone, coal and clinker. Sand is ash. | | | | | |
| 5.60 | ES14 | | | 1.0 | | | | | | | | |
| 6.00 - 6.45 6.00 | D15 SPT (S) | N=11 (4,4/4,3,2,2) | | 2.0 | | | | | | | | |
| 6.50 | D16 | | | 0.1 | 6.45 6.55 | 42.82 42.72 | | | | MADE GROUND: Soft brown and black locally mottled yellow brown slightly sandy slightly gravelly CLAY. Gravel is angular to rounded fine to coarse clinker and coal. | | |
| 7.00 - 7.45 7.00 | D17 SPT (S) | N=8 (2,1/2,1,3,2) | | 1.0 | | | MADE GROUND: Firm to stiff black locally mottled yellow brown and dark grey slightly gravelly sandy CLAY. Gravel is angular to subangular fine to coarse mudstone, coal and clinker. Sand is ash. | | | | | |
| | | | | | 7.45 | 41.82 | End of Borehole at 7.450m | | | | | |

Remarks
Windowless sampling from ground level to completed depth. Groundwater not encountered. Backfilled with arisings on completion.

Key
 D - Disturbed Sample
 ES - Environmental Sample
 B - Bulk Sample
 U - Undisturbed Sample
 SS - Surface Sample
 VS - Validation Sample
 W - Water Sample
 N/R - No Recovery
 HVP - Hand Vane Shear Test
 W/S - Water Strike



| | | | | | |
|--|--|--|-----------------------------|------------------|--|
| Project Name: Land at Lees Hall Road, Dewsbury | | Project No.: 203-22-989 | | Hole Type WLS | |
| Location: Lees Hall Road, Dewsbury | | Co-ords: 423446.33 E 419848.43 N | Level: 49.28m AOD | Scale 1:25 | |
| Client: Tarmac Trading Limited | | Start 24/08/2022 | Dates: Finish 24/08/2022 | Logged By SP | |

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | W/S | Well |
|----------------------------|------------------|--------------------|-----------|-----------|-----------|--|---------------------|--------|-----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 0.20 | | | | | 49.08 | MADE GROUND: Concrete hardstanding. | | | | |
| 0.50 | ES1 | | | 0.2 | | MADE GROUND: Firm dark grey mottled black and green grey slightly sandy gravelly CLAY with rare subangular cobbles of mudstone. Gravel is angular to rounded fine to coarse mudstone, coal, clinker and quartzite. | | | | |
| 1.00 - 1.45 1.00 | D2 SPT (S) | N=10 (1,2/3,2,3,2) | | 0.8 | 48.38 | MADE GROUND: Loose dark grey, yellow brown and black sandy slightly clayey angular to subangular fine to coarse GRAVEL of mudstone, coal and clinker with rare angular to subangular cobbles of mudstone. Sand is predominantly ash. | | | | 1 |
| 1.60 | ES3 | | | 0.3 | | | | | | |
| 2.00 - 2.45 2.00 | D4 SPT (S) | N=5 (1,1/1,1,2,1) | | 0.7 | | | | | | 2 |
| 2.60 | ES5 | | | 0.5 | | | | | | |
| 3.00 - 3.45 3.00 | D6 SPT (S) | N=4 (1,1/1,1,1,1) | | 1.4 | | | | | | 3 |
| 3.60 | D7 | | | 0.7 | | | | | | |
| 4.00 - 4.45 4.00 | D8 SPT (S) | N=6 (2,2/2,1,1,2) | | 1.7 | | | | | | 4 |
| 4.50 | D9 | | | 0.7 | | <u>Locally slightly sandy slightly gravelly CLAY.</u> | | | | |
| 5.00 - 5.45 | D10 | | | 3.2 | | | | | | 5 |

Continued on Next Sheet

Remarks

Hardstanding broken out. Windowless sampling from ground level to completed depth. Groundwater not encountered. Backfilled with arisings on completion.

Key

D - Disturbed Sample
ES - Environmental Sample
B - Bulk Sample
U - Undisturbed Sample
SS - Surface Sample
VS - Validation Sample
W - Water Sample

N/R - No Recovery
HVP - Hand Vane Shear Test
W/S - Water Strike





WS104

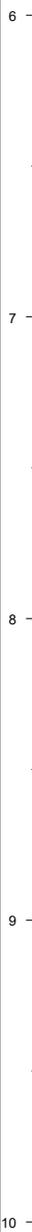
Sheet 2 of 2

Project Name: **Land at Lees Hall Road, Dewsbury** Project No.: **203-22-989** Hole Type: **WLS**

Location: **Lees Hall Road, Dewsbury** Co-ords: 423446.33 E, 419848.43 N Level: 49.28m AOD Scale: 1:25

Client: **Tarmac Trading Limited** Start Dates: 24/08/2022 Finish: 24/08/2022 Logged By: **SP**

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
|----------------------------|---------|-------------------|-----------|-----------|-----------|-----------|--|--------|----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 5.00 | SPT (S) | N=4 (1,1/1,1,1,1) | | | | | MADE GROUND: Loose dark grey, yellow brown and black sandy slightly clayey angular to subangular fine to coarse GRAVEL of mudstone, coal and clinker with rare angular to subangular cobbles of mudstone. Sand is predominantly ash. | | | |
| | | | | | 5.45 | 43.83 | End of Borehole at 5.450m | | | |



Remarks
 Hardstanding broken out. Windowless sampling from ground level to completed depth. Groundwater not encountered. Backfilled with arisings on completion.

Key
 D - Disturbed Sample
 ES - Environmental Sample
 B - Bulk Sample
 U - Undisturbed Sample
 SS - Surface Sample
 VS - Validation Sample
 W - Water Sample
 N/R - No Recovery
 HVP - Hand Vane Shear Test
 WS - Water Strike



| | | | | | |
|--|--|--|----------------------|------------------|--|
| Project Name: Land at Lees Hall Road, Dewsbury | | Project No.: 203-22-989 | | Hole Type WLS | |
| Location: Lees Hall Road, Dewsbury | | Co-ords: 423466.86 E 419845.43 N | Level: 48.64m AOD | Scale 1:25 | |
| Client: Tarmac Trading Limited | | Start Dates: Finish 23/08/2022 23/08/2022 | | Logged By SP | |

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
|----------------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|--|--------|----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 0.20 | ES1 | | | 0.0 | | | MADE GROUND: Firm grey brown locally mottled black slightly sandy gravelly CLAY with occasional rootlets. Gravel is angular to rounded fine to coarse quartzite, roadstone, mudstone and coal. | | | |
| 0.50 | ES2 | | | 0.0 | 0.35 | 48.29 | MADE GROUND: Firm to stiff brown grey locally mottled yellow slightly sandy gravelly CLAY and locally sandy slightly clayey GRAVEL. Gravel is subangular to rounded fine to coarse quartzite and siltstone. | | | |
| 0.80 | ES3 | | | 1.5 | 0.70 | 47.94 | MADE GROUND: Loose black and grey brown slightly sandy slightly clayey and locally clayey GRAVEL and locally firm black and grey brown sandy gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone, clinker and coal. | | | |
| 1.00 - 1.45 1.00 | D4 SPT (S) | N=6 (1,2/1,2,1,2) | | 1.4 | | | | | | |
| 1.60 | ES5 | | | 0.6 | | | | | | |
| 2.00 - 2.45 2.00 | D6 SPT (S) | N=6 (2,1/2,2,1,1) | | 3.9 | | | | | | |
| 2.60 | ES7 | | | 1.8 | | | | | | |
| 3.00 - 3.45 3.00 | D8 SPT (S) | N=4 (1,1/1,1,1,1) | | 2.6 | | | | | | |
| 3.50 | ES9 | | | 0.7 | 3.20 | 45.44 | MADE GROUND: Firm dark grey, black and locally brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone and coal. | | | |
| 3.80 | D10 | | | 0.2 | 3.60 | 45.04 | MADE GROUND: Loose brown and black sandy slightly clayey and locally clayey GRAVEL and locally firm black and brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone, coal and clinker. | | | |
| 4.00 - 4.45 4.00 | D11 SPT (S) | N=8 (1,1/2,1,2,3) | | 3.2 | | | | | | |
| 4.60 | ES12 | | | 0.6 | | | | | | |
| 5.00 - 5.45 | D13 | | | 6.7 | | | | | | |
| Continued on Next Sheet | | | | | | | | | | |

Remarks

Windowless sampling from ground level to completed depth. Groundwater not encountered.
Backfilled with arisings on completion.

Key

D - Disturbed Sample
ES - Environmental Sample
B - Bulk Sample
U - Undisturbed Sample
SS - Surface Sample
VS - Validation Sample
W - Water Sample

N/R - No Recovery
HVP - Hand Vane Shear Test
WS - Water Strike



| www.aslenvironmental.co.uk | | | | | | | Window Sample No. <h2 style="margin: 0;">WS105</h2> Sheet 2 of 2 | | | |
|--|---------|-------------------|-----------|-----------|--|-----------|--|--------|-----------------|------|
| Project Name: Land at Lees Hall Road, Dewsbury | | | | | Project No.: 203-22-989 | | Hole Type WLS | | | |
| Location: Lees Hall Road, Dewsbury | | | | | Co-ords: 423466.86 E 419845.43 N | | Level: 48.64m AOD | | Scale 1:25 | |
| Client: Tarmac Trading Limited | | | | | Start Dates: 23/08/2022 | | Finish 23/08/2022 | | Logged By SP | |
| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 5.00 | SPT (S) | N=9 (2,2/2,1,3,3) | | | | | MADE GROUND: Loose brown and black sandy slightly clayey and locally clayey GRAVEL and locally firm black and brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone, coal and clinker. | | | |
| | | | | | 5.45 | 43.19 | End of Borehole at 5.450m | | | |
| | | | | | | | | | | |
| Remarks Windowless sampling from ground level to completed depth. Groundwater not encountered. Backfilled with arisings on completion. | | | | | | | Key D - Disturbed Sample ES - Environmental Sample B - Bulk Sample U - Undisturbed Sample SS - Surface Sample VS - Validation Sample W - Water Sample N/R - No Recovery HVP - Hand Vane Shear Test W/S - Water Strike | | | |
| | | | | | | | | | | |



| | | |
|--|-----------------------------------|------------------|
| Project Name: Land at Lees Hall Road, Dewsbury | Project No.: 203-22-989 | Hole Type WLS |
|--|-----------------------------------|------------------|

| | | | |
|--|--|----------------------|---------------|
| Location: Lees Hall Road, Dewsbury | Co-ords: 423427.45 E 419823.05 N | Level: 45.67m AOD | Scale 1:25 |
|--|--|----------------------|---------------|

| | | |
|--|--|-----------------|
| Client: Tarmac Trading Limited | Start Dates: Finish 23/08/2022 23/08/2022 | Logged By SP |
|--|--|-----------------|

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | W/S | Well |
|----------------------------|-------------|--------------------|-----------|-----------|-----------|-----------|--|--------|-----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 0.20 | ES1 | | | 0.4 | | | MADE GROUND: Soft brown grey slightly sandy slightly gravelly CLAY with frequent rootlets and occasional roots. Gravel is angular to rounded fine to coarse brick, quartzite, charcoal and siltstone. | | | |
| 0.50 | ES2 | | | 1.4 | 0.40 | 45.27 | MADE GROUND: Firm dark brown black and orange slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse brick, charcoal, mortar, quartzite and clinker. | | | |
| 0.70 | D3 | | | 1.3 | 0.65 | 45.02 | MADE GROUND: Orange red sandy angular to subangular fine to coarse GRAVEL of brick. | | | |
| 0.90 | ES4 | | | 4.4 | 0.85 | 44.82 | MADE GROUND: Firm to stiff black slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone, coal clinker, brick and slag. | | | |
| 1.00 - 1.45 | D5 SPT (S) | N=7 (2,2/2,2,2,1) | | 5.3 | | | | | | |
| 1.00 | | | | | 1.20 | 44.47 | MADE GROUND: Loose black locally mottled yellow brown and dark grey slightly sandy slightly clayey and locally clayey GRAVEL and locally firm black locally mottled yellow brown and dark grey sandy gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone, clinker, coal, mudstone and slag. | | | |
| 1.60 | ES6 | | | 3.2 | | | | | | |
| 2.00 - 2.45 | D7 SPT (S) | N=6 (2,1/1,1,2,2) | | 5.6 | | | | | | |
| 2.00 | | | | | | | | | | |
| 2.20 | D8 | | | 0.4 | | | | | | |
| 2.80 | ES9 | | | 0.6 | | | | | | |
| 3.00 - 3.45 | D10 SPT (S) | N=8 (2,2/2,1,2,3) | | 6.3 | 3.00 | 42.67 | MADE GROUND: Loose and locally medium dense black locally mottled yellow brown and dark grey slightly gravelly to gravelly slightly clayey SAND. Gravel is angular to subangular fine to coarse clinker, coal, mudstone and slag. Sand is ash. | | | |
| 3.00 | | | | | | | | | | |
| 3.60 | ES11 | | | 1.9 | | | | | | |
| 4.00 - 4.45 | D12 SPT (S) | N=14 (3,3/3,3,4,4) | | 10.8 | | | Locally slightly gravelly slightly sandy CLAY. | | | |
| 4.00 | | | | | | | | | | |
| 4.60 | ES13 | | | 6.4 | | | | | | |
| 5.00 - 5.45 | D14 | | | 8.9 | | | | | | |

Continued on Next Sheet

Remarks

Windowless sampling from ground level to completed depth. Collapse of borehole below 3.0m bgl. Groundwater not encountered. Installed with combined gas and groundwater standpipe on completion.

Key

- D - Disturbed Sample
- ES - Environmental Sample
- B - Bulk Sample
- U - Undisturbed Sample
- SS - Surface Sample
- VS - Validation Sample
- W - Water Sample
- N/R - No Recovery
- HVP - Hand Vane Shear Test
- W/S - Water Strike



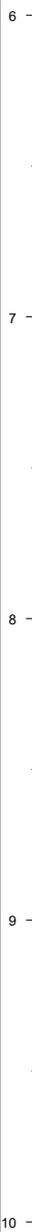


Project Name: **Land at Lees Hall Road, Dewsbury** Project No.: **203-22-989** Hole Type: **WLS**

Location: **Lees Hall Road, Dewsbury** Co-ords: **423427.45 E
419823.05 N** Level: **45.67m AOD** Scale: **1:25**

Client: **Tarmac Trading Limited** Start Dates: **23/08/2022** Finish: **23/08/2022** Logged By: **SP**

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
|----------------------------|---------|-------------------|-----------|-----------|-----------|-----------|--|--------|----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 5.00 | SPT (S) | N=9 (2,2/1,2,3,3) | | | | | MADE GROUND: Loose and locally medium dense black locally mottled yellow brown and dark grey slightly gravelly to gravelly slightly clayey SAND. Gravel is angular to subangular fine to coarse clinker, coal, mudstone and slag. Sand is ash. | | | |
| | | | | | 5.45 | 40.22 | End of Borehole at 5.450m | | | |



Remarks
 Windowless sampling from ground level to completed depth. Collapse of borehole below 3.0m bgl. Groundwater not encountered. Installed with combined gas and groundwater standpipe on completion.

Key
 D - Disturbed Sample
 ES - Environmental Sample
 B - Bulk Sample
 U - Undisturbed Sample
 SS - Surface Sample
 VS - Validation Sample
 W - Water Sample
 N/R - No Recovery
 HVP - Hand Vane Shear Test
 W/S - Water Strike



| | | | | | |
|--|--|--|-----------------------------|------------------|--|
| Project Name: Land at Lees Hall Road, Dewsbury | | Project No.: 203-22-989 | | Hole Type WLS | |
| Location: Lees Hall Road, Dewsbury | | Co-ords: 423448.65 E 419824.48 N | Level: 49.67m AOD | Scale 1:25 | |
| Client: Tarmac Trading Limited | | Start 24/08/2022 | Dates: Finish 24/08/2022 | Logged By SP | |

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | W/S | Well |
|----------------------------|---------------|--------------------|-----------|-----------|-----------|-----------|---|--------|-----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| | | | | | | | MADE GROUND: Concrete hardstanding. | | | |
| 0.50 | D1 | | | 0.0 | 0.43 | 49.24 | MADE GROUND: Yellow brown and brown sandy subangular to rounded fine to coarse GRAVEL of sandstone and quartzite. | | | |
| 0.70 | ES2 | | | 0.3 | 0.60 | 49.07 | | | | |
| 1.00 - 1.45 1.00 | D3 SPT (S) | N=20 (1,3/2,6,6,6) | | 1.5 | | | MADE GROUND: Medium dense becoming loose with depth black and locally yellow brown and dark grey slightly sandy clayey GRAVEL and locally soft to firm black, yellow brown and dark grey slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone, coal, concrete and clinker. Rare angular to subangular cobbles of mudstone. | | | 1 |
| 1.60 | ES4 | | | 0.0 | | | | | | |
| 2.00 - 2.45 2.00 | D5 SPT (S) | N=4 (1,2/1,0,1,2) | | 1.5 | | | MADE GROUND: Loose black and dark grey sandy and locally slightly sandy slightly clayey angular to subangular fine to coarse GRAVEL of coal, mudstone and clinker. | | | 2 |
| 2.60 | ES6 | | | 0.6 | | | | | | |
| 3.00 - 3.45 3.00 | D7 SPT (S) | N=5 (1,1/2,1,1,1) | | 2.3 | | | MADE GROUND: Loose black and dark grey sandy and locally slightly sandy slightly clayey angular to subangular fine to coarse GRAVEL of coal, mudstone and clinker. | | | 3 |
| 3.60 | ES8 | | | 2.8 | 3.20 | 46.47 | | | | |
| 4.00 - 4.45 4.00 | D9 SPT (S) | N=6 (2,1/1,1,2,2) | | 4.0 | | | MADE GROUND: Loose black and dark grey sandy and locally slightly sandy slightly clayey angular to subangular fine to coarse GRAVEL of coal, mudstone and clinker. | | | 4 |
| 4.60 | D10 | | | 1.9 | | | | | | |
| 5.00 - 5.45 | D11 | | | 3.2 | | | | | | 5 |

Continued on Next Sheet

Remarks

Hardstanding cored. Windowless sampling from ground level to completed depth. Groundwater not encountered. Backfilled with arisings on completion.

Key

D - Disturbed Sample
ES - Environmental Sample
B - Bulk Sample
U - Undisturbed Sample
SS - Surface Sample
VS - Validation Sample
W - Water Sample

N/R - No Recovery
HVP - Hand Vane Shear Test
W/S - Water Strike



|  www.aslenvironmental.co.uk | | | | | | | Window Sample No. WS107 Sheet 2 of 2 | | | |
|--|---------|--------------------|-----------|-----------|--|----------------------|---|---|---|---|
| Project Name: Land at Lees Hall Road, Dewsbury | | | | | Project No.: 203-22-989 | | Hole Type WLS | | | |
| Location: Lees Hall Road, Dewsbury | | | | | Co-ords: 423448.65 E 419824.48 N | Level: 49.67m AOD | Scale 1:25 | | | |
| Client: Tarmac Trading Limited | | | | | Start Dates: Finish 24/08/2022 24/08/2022 | | Logged By SP | | | |
| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 5.00 | SPT (S) | N=12 (2,1/4,3,2,3) | | | | | MADE GROUND: Loose black and dark grey sandy and locally slightly sandy slightly clayey angular to subangular fine to coarse GRAVEL of coal, mudstone and clinker. |  | |  |
| | | | | | 5.45 | 44.22 | End of Borehole at 5.450m | | | |
|  | | | | | | | | | | |
| Remarks Hardstanding cored. Windowless sampling from ground level to completed depth. Groundwater not encountered. Backfilled with arisings on completion. | | | | | | | Key D - Disturbed Sample ES - Environmental Sample B - Bulk Sample U - Undisturbed Sample SS - Surface Sample VS - Validation Sample W - Water Sample N/R - No Recovery HVP - Hand Vane Shear Test WS - Water Strike | |  | |



| | | |
|--|-----------------------------------|------------------|
| Project Name: Land at Lees Hall Road, Dewsbury | Project No.: 203-22-989 | Hole Type WLS |
|--|-----------------------------------|------------------|

| | | | |
|--|--|----------------------|---------------|
| Location: Lees Hall Road, Dewsbury | Co-ords: 423465.03 E 419823.82 N | Level: 44.71m AOD | Scale 1:25 |
|--|--|----------------------|---------------|

| | | |
|--|--|-----------------|
| Client: Tarmac Trading Limited | Start Dates: Finish 24/08/2022 24/08/2022 | Logged By SP |
|--|--|-----------------|

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
|----------------------------|---------|--------------------------------|-----------|-----------|-----------|-----------|--|--------|----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| | | | | | 0.30 | 44.41 | MADE GROUND: Concrete harstanding. | | | |
| 0.80 | ES1 | | | 0.0 | | | MADE GROUND: Light brown slightly sandy slightly clayey angular to subangular fine to coarse GRAVEL of roadstone with rare angular to subangular cobbles of roadstone. | | | |
| 1.00 | SPT (S) | N=7 (2,2/1,2,2,2) | | | 1.15 | 43.56 | MADE GROUND: Firm grey slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse mudstone. | | | |
| 1.60 | ES2 | | | 0.0 | | | | | | |
| 1.80 | SPT (S) | N=50 (25 for 10mm/50 for 10mm) | | | 1.70 | 43.01 | MADE GROUND: Orange red slightly sandy angular to subangular fine to coarse GRAVEL of brick with rare angular to subangular cobbles of brick. End of Borehole at 1.800m | | | |
| | | | | | 1.80 | 42.91 | | | | |

| | | |
|--|---|--|
| Remarks Hardstanding cored. Windowless sampling from ground level to completed depth. Terminated due to obstruction. Groundwater encountered at 0.35m bgl. Backfilled with arisings on completion. | Key D - Disturbed Sample ES - Environmental Sample B - Bulk Sample U - Undisturbed Sample SS - Surface Sample VS - Validation Sample W - Water Sample N/R - No Recovery HVP - Hand Vane Shear Test WS - Water Strike | |
|--|---|--|

| | | | | | |
|--|--|--|-----------------------------|------------------|--|
| Project Name: Land at Lees Hall Road, Dewsbury | | Project No.: 203-22-989 | | Hole Type WLS | |
| Location: Lees Hall Road, Dewsbury | | Co-ords: 423428.30 E 419812.51 N | Level: 45.01m AOD | Scale 1:25 | |
| Client: Tarmac Trading Limited | | Start 24/08/2022 | Dates: Finish 24/08/2022 | Logged By SP | |

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
|----------------------------|---------------|--------------------|-----------|-----------|-----------|-----------|--|--------|----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 0.50 | ES1 | | | 0.1 | 0.45 | 44.56 | MADE GROUND: Concrete hardstanding. | | | |
| 0.80 | ES2 | | | 0.8 | 0.60 | 44.41 | MADE GROUND: Light brown slightly sandy slightly clayey angular to subangular fine to coarse GRAVEL of limestone. | | | |
| 1.00 - 1.45 1.00 | D3 SPT (S) | N=15 (2,3/4,3,4,4) | | 0.4 | | | MADE GROUND: Firm black and dark brown slightly sandy slightly gravelly CLAY with rare angular to subangular cobbles of brick. Gravel is angular to subangular fine to coarse brick, coal and mudstone. | | | 1 |
| 1.60 | ES4 | | | 0.6 | 1.50 | 43.51 | MADE GROUND: Loose yellow brown grey and black slightly gravelly slightly clayey and locally clayey SAND. Gravel is angular to subangular fine to coarse coal, clinker and mudstone. | | | |
| 2.00 | SPT (S) | N=5 (1,1/1,1,2,1) | | | | | | | | 2 |
| 2.60 | ES5 | | | 1.5 | 2.50 | 42.51 | MADE GROUND: Firm to stiff yellow brown and black slightly gravelly slightly sandy and locally sandy CLAY. Gravel is angular to subangular fine to coarse mudstone and coal | | | |
| 3.00 - 3.45 3.00 | D6 SPT (S) | N=8 (2,2/1,2,2,3) | | 0.6 | | | | | | 3 |
| 3.60 | ES7 | | | 0.1 | | | | | | |
| 4.00 - 4.45 4.00 | D8 SPT (S) | N=16 (4,3/4,3,5,4) | | 0.8 | 4.00 | 41.01 | MADE GROUND: Medium dense yellow brown and black slightly gravelly slightly clayey and locally clayey SAND and locally stiff yellow brown and black slightly gravelly sandy CLAY. Gravel is angular to subangular fine to medium mudstone, coal and clinker. | | | 4 |
| 4.60 | D9 | | | 0.6 | | | | | | |
| 5.00 - 5.45 | D10 | | | | | | | | | 5 |
| Continued on Next Sheet | | | | | | | | | | |

Remarks

Hardstanding cored. Windowless sampling from ground level to completed depth. Groundwater not encountered. Backfilled with arisings on completion.

Key

D - Disturbed Sample
ES - Environmental Sample
B - Bulk Sample
U - Undisturbed Sample
SS - Surface Sample
VS - Validation Sample
W - Water Sample

N/R - No Recovery
HVP - Hand Vane Shear Test
WS - Water Strike



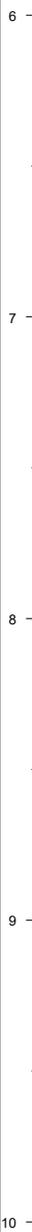


| | | |
|--|-----------------------------------|------------------|
| Project Name: Land at Lees Hall Road, Dewsbury | Project No.: 203-22-989 | Hole Type WLS |
|--|-----------------------------------|------------------|

| | | | |
|--|--|----------------------|---------------|
| Location: Lees Hall Road, Dewsbury | Co-ords: 423428.30 E 419812.51 N | Level: 45.01m AOD | Scale 1:25 |
|--|--|----------------------|---------------|

| | | |
|--|--|-----------------|
| Client: Tarmac Trading Limited | Start Dates: Finish 24/08/2022 24/08/2022 | Logged By SP |
|--|--|-----------------|

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
|----------------------------|---------|--------------------|-----------|-----------|-----------|-----------|--|--------|----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 5.00 | SPT (S) | N=14 (4,6/5,3,3,3) | | | | | MADE GROUND: Medium dense yellow brown and black slightly gravelly slightly clayey and locally clayey SAND and locally stiff yellow brown and black slightly gravelly sandy CLAY. Gravel is angular to subangular fine to medium mudstone, coal and clinker. | | | |
| | | | | | 5.45 | 39.56 | End of Borehole at 5.450m | | | |



| | | | |
|--|---|--|--|
| Remarks Hardstanding cored. Windowless sampling from ground level to completed depth. Groundwater not encountered. Backfilled with arisings on completion. | Key D - Disturbed Sample ES - Environmental Sample B - Bulk Sample U - Undisturbed Sample SS - Surface Sample VS - Validation Sample W - Water Sample | N/R - No Recovery HVP - Hand Vane Shear Test WS - Water Strike | |
|--|---|--|--|



Project Name: **Land at Lees Hall Road, Dewsbury** Project No.: **203-22-989** Hole Type: **WLS**

Location: **Lees Hall Road, Dewsbury** Co-ords: 423438.42 E 419804.56 N Level: 44.83m AOD Scale: 1:25

Client: **Tarmac Trading Limited** Start Dates: 24/08/2022 Finish: 24/08/2022 Logged By: SP

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | W/S | Well |
|----------------------------|------------------|--------------------|-----------|-----------|-----------|-----------|---|--------|-----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| | | | | | | | MADE GROUND: Concrete hardstanding. | | | |
| 0.80 | ES1 | | | 4.2 | 0.55 | 44.28 | MADE GROUND: Firm black, dark grey and brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse brick, quartzite, coal, clinker and mudstone. <i>Damp strata.</i> | | | |
| 1.00 - 1.45 1.00 | D2 SPT (S) | N=13 (2,3/4,3,3,3) | | 0.3 | | | | | | |
| 1.60 | ES3 | | | 0.2 | 1.50 | 43.33 | MADE GROUND: Firm black slightly gravelly CLAY. Gravel is angular to subangular fine to medium coal and clinker. | | | |
| 2.00 - 2.45 2.00 | D4 SPT (S) | N=9 (1,1/2,2,2,3) | | 0.7 | | | | | | |
| 2.60 | ES5 | | | 0.7 | 2.20 | 42.63 | MADE GROUND: Loose black locally mottled yellow brown and brown slightly gravelly slightly clayey and locally clayey SAND and locally soft black locally mottled yellow brown and brown slightly gravelly sandy CLAY. Gravel is angular to subangular fine to medium mudstone, coal and clinker. Sand is predominantly ash. | | | |
| 3.00 - 3.45 3.00 | D6 SPT (S) | N=4 (2,1/1,1,1,1) | | 0.5 | | | | | | |
| 3.60 | ES7 | | | 0.9 | | | | | | |
| 4.00 - 4.45 4.00 | D8 SPT (S) | N=5 (1,1/1,1,1,2) | | 0.7 | | | | | | |
| 4.60 | D9 | | | 0.8 | | | | | | |
| 5.00 - 5.45 | D10 | | | 1.5 | | | | | | |

Continued on Next Sheet

Remarks
Hardstanding cored. Windowless sampling from ground level to completed depth. Groundwater not encountered. Installed with combined gas and groundwater standpipe on completion.

Key
 D - Disturbed Sample
 ES - Environmental Sample
 B - Bulk Sample
 U - Undisturbed Sample
 SS - Surface Sample
 VS - Validation Sample
 W - Water Sample
 N/R - No Recovery
 HVP - Hand Vane Shear Test
 W/S - Water Strike



| www.aslenvironmental.co.uk | | | | | | | Window Sample No. WS110 Sheet 2 of 2 | | | |
|---|---------|-------------------|-----------|-----------|--|-----------|---|--------|-----------------|------|
| Project Name: Land at Lees Hall Road, Dewsbury | | | | | Project No.: 203-22-989 | | Hole Type WLS | | | |
| Location: Lees Hall Road, Dewsbury | | | | | Co-ords: 423438.42 E 419804.56 N | | Level: 44.83m AOD | | Scale 1:25 | |
| Client: Tarmac Trading Limited | | | | | Start Dates: 24/08/2022 | | Finish 24/08/2022 | | Logged By SP | |
| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 5.00 | SPT (S) | N=7 (2,1/1,2,2,2) | | | 5.45 | 39.38 | MADE GROUND: Loose black locally mottled yellow brown and brown slightly gravelly slightly clayey and locally clayey SAND and locally soft black locally mottled yellow brown and brown slightly gravelly sandy CLAY. Gravel is angular to subangular fine to medium mudstone, coal and clinker. Sand is predominantly ash. | | | |
| | | | | | | | End of Borehole at 5.450m | | | |
| | | | | | | | | | | |
| Remarks Hardstanding cored. Windowless sampling from ground level to completed depth. Groundwater not encountered. Installed with combined gas and groundwater standpipe on completion. | | | | | | | Key D - Disturbed Sample ES - Environmental Sample B - Bulk Sample U - Undisturbed Sample SS - Surface Sample VS - Validation Sample W - Water Sample N/R - No Recovery HVP - Hand Vane Shear Test W/S - Water Strike | | | |
| | | | | | | | | | | |

|  www.aslenvironmental.co.uk | | | | | | | Window Sample No. WS111 Sheet 1 of 2 | | | | |
|---|-------------|--------------------|-----------|--|----------------------|------------------|--|--------|-----|---|--|
| Project Name: Land at Lees Hall Road, Dewsbury | | | | Project No.: 203-22-989 | | Hole Type WLS | | | | | |
| Location: Lees Hall Road, Dewsbury | | | | Co-ords: 423465.52 E 419806.32 N | Level: 44.82m AOD | Scale 1:25 | | | | | |
| Client: Tarmac Trading Limited | | | | Start Dates: Finish 24/08/2002 24/08/2022 | | Logged By SP | | | | | |
| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | W/S | Well | |
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | | |
| 0.60 | ES1 | | | 0.1 | 0.52 | 44.30 | MADE GROUND: Concrete hardstanding. | | | | |
| 0.90 | ES2 | | | 0.0 | 0.85 | 43.96 | MADE GROUND: Soft grey and black slightly sandy to sandy gravelly to slightly gravelly CLAY. Gravel is angular to subangular fine to coarse coal and mudstone. | | | | |
| 1.00 - 1.45 | D3 SPT (S) | N=4 (1,1/1,1,1,1) | | 2.3 | 1.00 | 43.82 | MADE GROUND: Firm black mottled yellow brown slightly gravelly sandy CLAY. Gravel is angular to subangular fine to coarse brick, mudstone, coal and clinker. | | | | |
| 1.60 | ES4 | | | 1.1 | | | MADE GROUND: Loose to very loose black and yellow brown slightly gravelly slightly clayey and locally clayey SAND and locally slightly gravelly sandy CLAY. Gravel is angular to subangular fine to medium mudstone, coal and clinker. Sand is ash. | | | | |
| 2.00 - 2.45 | D5 SPT (S) | N=3 (1,1/1,0,1,1) | | 2.6 | | | | | | | |
| 2.40 | D6 | | | 0.3 | 2.35 | 42.46 | MADE GROUND: Soft black CLAY. | | | | |
| 2.80 | ES7 | | | 1.1 | 2.50 | 42.32 | MADE GROUND: Medium dense becoming loose with depth black and yellow brown slightly gravelly slightly clayey and locally clayey SAND and locally firm black and yellow brown slightly gravelly sandy CLAY. Gravel is angular to subangular fine to medium mudstone, coal and clinker. Sand is locally ash. | | | | |
| 3.00 - 3.45 | D8 SPT (S) | N=13 (2,2/3,2,4,4) | | 2.9 | | | | | | | |
| 3.60 | ES9 | | | 4.5 | | | | | | | |
| 4.00 - 4.45 | D10 SPT (S) | N=6 (2,1/1,2,1,2) | | 2.6 | | | | | | | |
| 4.60 | D11 | | | 0.7 | | | | | | | |
| 5.00 - 5.45 | D12 | | | 2.4 | | | | | | | |
| | | | | | | | Continued on Next Sheet | | | | |
| Remarks Hardstanding cored. Windowless sampling from ground level to completed depth. Groundwater not encountered. Installed with combined gas and groundwater standpipe on completion. | | | | | | | Key D - Disturbed Sample ES - Environmental Sample B - Bulk Sample U - Undisturbed Sample SS - Surface Sample VS - Validation Sample W - Water Sample N/R - No Recovery HVP - Hand Vane Shear Test W/S - Water Strike | | |  | |

| www.aslenvironmental.co.uk | | | | | | | Window Sample No. <h2 style="margin: 0;">WS111</h2> Sheet 2 of 2 | | | |
|---|---------|-------------------|-----------|-----------|--|----------------------|--|--------|----|------|
| Project Name: Land at Lees Hall Road, Dewsbury | | | | | Project No.: 203-22-989 | | Hole Type WLS | | | |
| Location: Lees Hall Road, Dewsbury | | | | | Co-ords: 423465.52 E 419806.32 N | Level: 44.82m AOD | Scale 1:25 | | | |
| Client: Tarmac Trading Limited | | | | | Start Dates: Finish 24/08/2002 24/08/2022 | | Logged By SP | | | |
| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 5.00 | SPT (S) | N=4 (1,1/1,1,1,1) | | | 5.45 | 39.36 | MADE GROUND: Medium dense becoming loose with depth black and yellow brown slightly gravelly slightly clayey and locally clayey SAND and locally firm black and yellow brown slightly gravelly sandy CLAY. Gravel is angular to subangular fine to medium mudstone, coal and clinker. Sand is locally ash. | | | |
| | | | | | | | End of Borehole at 5.450m | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Remarks</p> <p>Hardstanding cored. Windowless sampling from ground level to completed depth. Groundwater not encountered. Installed with combined gas and groundwater standpipe on completion.</p> </div> <div style="width: 30%;"> <p>Key</p> <p>D - Disturbed Sample ES - Environmental Sample B - Bulk Sample U - Undisturbed Sample SS - Surface Sample VS - Validation Sample W - Water Sample</p> </div> <div style="width: 20%; text-align: right;"> <p>N/R - No Recovery HVP - Hand Vane Shear Test W/S - Water Strike</p> </div> </div> <div style="text-align: right; margin-top: 10px;"> </div> | | | | | | | | | | |

| | | | | | |
|--|--|--|----------------------|------------------|--|
| Project Name: Land at Lees Hall Road, Dewsbury | | Project No.: 203-22-989 | | Hole Type WLS | |
| Location: Lees Hall Road, Dewsbury | | Co-ords: 423418.30 E 419791.88 N | Level: 43.79m AOD | Scale 1:25 | |
| Client: Tarmac Trading Limited | | Start Dates: Finish 23/08/2022 23/08/2022 | | Logged By SP | |

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
|----------------------------|---------|---------------------------|-----------|-----------|--------------|----------------|--|--------|----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 0.20 | ES1 | | | 0.8 | | | MADE GROUND: Firm dark brown and black slightly sandy gravelly CLAY with rare roots. Gravel is angular to subangular fine to coarse brick, coal, mudstone and concrete. | | | |
| 0.50 | D2 | | | 0.0 | 0.40 0.55 | 43.39 43.24 | MADE GROUND: Light brown slightly sandy angular fine to coarse GRAVEL of sandstone. | | | |
| 0.80 | ES3 | | | 0.1 | | | MADE GROUND: Firm dark brown, brown, grey and black slightly gravelly sandy CLAY with rare angular to subangular cobbles of brick and clinker. Gravel is angular to subangular fine to coarse brick, coal and clinker. <i>Rare rootlets.</i> | | | |
| 1.00 - 1.45 | D4 | N=5 (1,1/2,1,1,1) | | 0.1 | | | | | | |
| 1.00 | SPT (S) | | | | | | | | | |
| 1.20 | D5 | | | | 0.0 | | | | | |
| 1.50 | D6 | | | 0.0 | | | <i>Sand is ash.</i> | | | |
| | | | | 0.1 | | | | | | |
| 1.80 | ES7 | | | 0.3 | | | | | | |
| 2.00 - 2.45 | D8 | N=4 (3,2/1,1,1,1) | | 0.8 | | | | | | |
| 2.00 | SPT (S) | | | | | | | | | |
| 2.60 | ES9 | | | 0.3 | | | | | | |
| 3.00 - 3.45 | D10 | N=38 (5,4/6,8,12,12) | | 0.4 | | | <i>Sand is ash.</i> | | | |
| 3.00 | SPT (S) | | | | | | | | | |
| | | | | 0.4 | | | | | | |
| | | | | 0.3 | 3.30 | 40.49 | Stiff becoming very stiff with depth yellow brown mottled light brown and locally black slightly gravelly and locally gravelly slightly sandy and locally sandy CLAY. Gravel is angular to rounded fine to coarse quartzite and mudstone. (Alluvium) | | | |
| 3.60 | ES11 | | | 0.0 | | | | | | |
| 4.00 - 4.45 | D12 | N=50 (11,10/50 for 285mm) | | 0.0 | | | | | | |
| 4.00 | SPT (S) | | | | | | | | | |
| | | | | 0.0 | 4.45 | 39.34 | End of Borehole at 4.450m | | | |

Remarks

Windowless sampling from ground level to completed depth. Terminated due to competent strata. Groundwater not encountered. Backfilled with arisings on completion.

Key

D - Disturbed Sample
ES - Environmental Sample
B - Bulk Sample
U - Undisturbed Sample
SS - Surface Sample
VS - Validation Sample
W - Water Sample

N/R - No Recovery
HVP - Hand Vane Shear Test
WS - Water Strike



| | | | | | |
|--|--|--|-----------------------------|------------------|--|
| Project Name: Land at Lees Hall Road, Dewsbury | | Project No.: 203-22-989 | | Hole Type WLS | |
| Location: Lees Hall Road, Dewsbury | | Co-ords: 423452.80 E 419791.87 N | Level: 44.86m AOD | Scale 1:25 | |
| Client: Tarmac Trading Limited | | Start 24/08/2022 | Dates: Finish 24/08/2022 | Logged By SP | |

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | W/S | Well |
|----------------------------|---------------|-------------------|-----------|-----------|---------------|--|---------------------|--------|-----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 0.30 | D1 | | | 0.1 | 0.21 44.64 | MADE GROUND: Concrete hardstanding. | | | | |
| 0.50 | ES2 | | | 0.5 | 0.35 44.50 | MADE GROUND: Black and brown slightly sandy angular to subangular fine to coarse GRAVEL of brick, sandstone, concrete and mudstone. | | | | |
| 1.00 - 1.45 1.00 | D3 SPT (S) | N=6 (1,1/2,1,2,1) | | 1.1 | 0.80 44.06 | MADE GROUND: Firm black and brown slightly sandy slightly gravelly CLAY. Gravel is angular to rounded fine to coarse quartzite, concrete, brick and mudstone. | | | | |
| 1.60 | ES4 | | | 1.0 | | MADE GROUND: Loose and locally very loose black and yellow brown slightly gravelly slightly clayey and locally clayey SAND and locally soft yellow brown and black slightly gravelly sandy CLAY. Gravel is angular to subangular fine to medium mudstone, coal and clinker. Sand is locally ash. | | | | |
| 2.00 - 2.45 2.00 | D5 SPT (S) | N=4 (1,1/1,1,1,1) | | 1.2 | | | | | | |
| 2.60 | ES6 | | | 0.6 | | | | | | |
| 3.00 | SPT (S) | N=2 (1,1/0,1,1,0) | | | | | | | | |
| 3.60 | ES7 | | | 0.8 | | | | | | |
| 4.00 - 4.45 4.00 | D8 SPT (S) | N=4 (1,1/1,1,1,1) | | 0.7 | | | | | | |
| 4.60 | ES9 | | | 0.0 | 4.25 40.60 | MADE GROUND: Soft green grey and black slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse brick, mudstone, coal and clinker. | | | | |
| 5.00 - 5.45 | D10 | | | 0.2 | 5.00 39.85 | Continued on Next Sheet | | | | |

Remarks

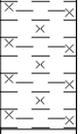
Hardstanding broken out. Windowless sampling from ground level to completed depth. Groundwater not encountered. Backfilled with arisings on completion.

Key

D - Disturbed Sample
ES - Environmental Sample
B - Bulk Sample
U - Undisturbed Sample
SS - Surface Sample
VS - Validation Sample
W - Water Sample

N/R - No Recovery
HVP - Hand Vane Shear Test
W/S - Water Strike



|  www.aslenvironmental.co.uk | | | | | | | Window Sample No. WS113 Sheet 2 of 2 | | | |
|---|---------|-------------------|-----------|-----------|--|-----------------------------|---|---|---|------|
| Project Name: Land at Lees Hall Road, Dewsbury | | | | | Project No.: 203-22-989 | | Hole Type WLS | | | |
| Location: Lees Hall Road, Dewsbury | | | | | Co-ords: 423452.80 E 419791.87 N | Level: 44.86m AOD | Scale 1:25 | | | |
| Client: Tarmac Trading Limited | | | | | Start 24/08/2022 | Dates: Finish 24/08/2022 | Logged By SP | | | |
| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 5.00 | SPT (S) | N=6 (2,1/1,1,2,2) | | | | | Firm grey brown mottled grey and yellow brown silty CLAY. (Alluvium) |  |  | |
| | | | | | 5.45 | 39.40 | End of Borehole at 5.450m | | | |
|  | | | | | | | | | | |
| Remarks Hardstanding broken out. Windowless sampling from ground level to completed depth. Groundwater not encountered. Backfilled with arisings on completion. | | | | | | | Key D - Disturbed Sample ES - Environmental Sample B - Bulk Sample U - Undisturbed Sample SS - Surface Sample VS - Validation Sample W - Water Sample N/R - No Recovery HVP - Hand Vane Shear Test WS - Water Strike | |  | |



Project Name: **Land at Lees Hall Road, Dewsbury** Project No.: **203-22-989** Hole Type: **WLS**

Location: **Lees Hall Road, Dewsbury** Co-ords: **423442.58 E 419788.59 N** Level: **44.97m AOD** Scale: **1:25**

Client: **Tarmac Trading Limited** Start Dates: **24/08/2022** Finish: **24/08/2022** Logged By: **SP**

| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | W/S | Well |
|----------------------------|------------------|--------------------|-----------|-----------|-----------|-----------|---|--------|-----|------|
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 0.70 | ES1 | | | | 0.80 | 44.17 | MADE GROUND: Concrete hardstanding. | | | |
| 1.00 - 1.45 1.00 | D2 SPT (S) | N=4 (1,1/1,1,1,1) | | | | | MADE GROUND: Loose black sandy slightly clayey angular to subangular fine to coarse GRAVEL of clinker, mudstone, coal and rare brick with occasional angular to subangular cobbles of mudstone and brick. | | | |
| 1.60 | ES3 | | | | | | | | | |
| 2.00 - 2.45 2.00 | D4 SPT (S) | N=9 (3,2/2,3,2,2) | | | 2.20 | 42.77 | | | | |
| 2.60 | ES5 | | | | | | MADE GROUND: Soft to firm black and yellow brown slightly gravelly slightly clayey and locally clayey SAND and locally slightly gravelly sandy CLAY. Gravel is angular to subangular fine to medium mudstone, coal and clinker. | | | |
| 3.00 - 3.45 3.00 | D6 SPT (S) | N=4 (1,1/1,1,1,1) | | | | | | | | |
| 3.60 | ES7 | | | | 3.50 | 41.47 | | | | |
| 4.00 - 4.45 4.00 | D8 SPT (S) | N=19 (1,2/3,4,6,6) | | | | | Stiff brown and light brown slightly sandy slightly gravelly CLAY. Gravel is angular to rounded fine to coarse mudstone, sandstone, quartzite, charcoal and black organic matter. (Alluvium) | | | |
| 4.60 | ES9 | | | | | | | | | |
| 5.00 - 5.45 | D10 | | | | | | | | | |

Continued on Next Sheet

Remarks
Hardstanding cored. Windowless sampling from ground level to completed depth. Groundwater not encountered. Installed with combined gas and groundwater standpipe on completion.

Key
 D - Disturbed Sample
 ES - Environmental Sample
 B - Bulk Sample
 U - Undisturbed Sample
 SS - Surface Sample
 VS - Validation Sample
 W - Water Sample
 N/R - No Recovery
 HVP - Hand Vane Shear Test
 W/S - Water Strike



| www.aslenvironmental.co.uk | | | | | | | Window Sample No. <h2 style="margin: 0;">WS115</h2> Sheet 2 of 2 | | | |
|---|---------|--------------------|-----------|-----------|--|-----------|---|--------|-----------------|------|
| Project Name: Land at Lees Hall Road, Dewsbury | | | | | Project No.: 203-22-989 | | Hole Type WLS | | | |
| Location: Lees Hall Road, Dewsbury | | | | | Co-ords: 423442.58 E 419788.59 N | | Level: 44.97m AOD | | Scale 1:25 | |
| Client: Tarmac Trading Limited | | | | | Start Date: 24/08/2022 | | Finish Date: 24/08/2022 | | Logged By SP | |
| Sample and In Situ Testing | | | | | Depth (m) | Level (m) | Stratum Description | Legend | WS | Well |
| Depth (m) | Type | SPT | HPV (KPa) | PID (ppm) | | | | | | |
| 5.00 | SPT (S) | N=23 (3,4/4,5,6,8) | | | | | Stiff brown and light brown slightly sandy slightly gravelly CLAY. Gravel is angular to rounded fine to coarse mudstone, sandstone, quartzite, charcoal and black organic matter. (Alluvium) | | | |
| | | | | | 5.45 | 39.52 | End of Borehole at 5.450m | | | |
| | | | | | | | | | | |
| Remarks Hardstanding cored. Windowless sampling from ground level to completed depth. Groundwater not encountered. Installed with combined gas and groundwater standpipe on completion. | | | | | | | Key D - Disturbed Sample ES - Environmental Sample B - Bulk Sample U - Undisturbed Sample SS - Surface Sample VS - Validation Sample W - Water Sample N/R - No Recovery HVP - Hand Vane Shear Test WS - Water Strike | | | |
| | | | | | | | | | | |



| Hole ID | Event | GW Level (m bgl) | Borehole Depth (m bgl) | CH ₄ (% v/v) | CO ₂ (% v/v) | O ₂ (% v/v) | CO (ppm) | H ₂ S (ppm) | Downhole Pressure (Pa) | | Average Flow Rate (l/hr) | |
|---------|-------|------------------|------------------------|-------------------------|-------------------------|------------------------|----------|------------------------|------------------------|------|--------------------------|------|
| | | | | | | | | | Average | Peak | Average | Peak |
| Start | 1 | - | - | <0.1 | <0.1 | 20.3 | <1 | <1 | 0.0 | - | 0.0 | - |
| Finish | 1 | - | - | <0.1 | <0.1 | 20.4 | <1 | <1 | 0.0 | - | 0.0 | - |
| WS101 | 1 | DRY | 4.04 | <0.1 | 4 | 12.2 | <1 | <1 | 0.0 | 0.0 | 0.0 | 0.0 |
| WS106 | 1 | DRY | 2.68 | <0.1 | 3.6 | 13.6 | <1 | <1 | 0.0 | 0.0 | 0.0 | 0.0 |
| WS110 | 1 | DRY | 4.04 | <0.1 | 2 | 17 | <1 | <1 | 0.0 | 0.0 | 0.0 | 0.0 |
| WS111 | 1 | DRY | 3.83 | <0.1 | 12.2 | 1.7 | <1 | <1 | 0.0 | 0.0 | 0.0 | 0.0 |
| WS115 | 1 | DRY | 3.99 | <0.1 | 8.2 | 10.2 | <1 | <1 | 0.0 | 0.0 | 0.0 | 0.0 |

| Borehole | Condition Report |
|---------------|------------------|
| WS106 & WS111 | Soft Bottom |

Notes: Date: 27/09/22
 Atmospheric Pressure: 996mb-998mb
 Weather Conditions: Dry ground, light cloud, slight breeze, 17°C
 Engineer: AJM

Table IVa
Gas and Groundwater Monitoring Results
Site Name: Land at Lees Hall Road, Dewsbury
Project No. 203-22-989
Prepared for: Tarmac Trading Limited



APPENDIX V
CHEMICAL LABORATORY TEST DATA



Will Prior
ASL Environmental
Holly Farm Business Park
Honiley
Warwickshire
CV8 1NP

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01926 485 508
f: 01926 485 507
e: will.prior@aslenvironmental.co.uk

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Analytical Report Number : 22-82809

Replaces Analytical Report Number: 22-82809, issue no. 1
Additional analysis undertaken.

| | | | |
|-----------------------------|--------------------------------------|--|------------|
| Project / Site name: | Land at Lees Hall Road, Dewsbury | Samples received on: | 07/09/2022 |
| Your job number: | 203-22-989 | Samples instructed on/ Analysis started on: | 07/09/2022 |
| Your order number: | 203-22-989 | Analysis completed by: | 28/09/2022 |
| Report Issue Number: | 2 | Report issued on: | 29/09/2022 |
| Samples Analysed: | 8 leachate samples - 31 soil samples | | |

Signed: _____

Adam Fenwick
Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

| | |
|-----------|---------------------------|
| soils | - 4 weeks from reporting |
| leachates | - 2 weeks from reporting |
| waters | - 2 weeks from reporting |
| asbestos | - 6 months from reporting |

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Your Order No: 203-22-989

| Lab Sample Number | | | | 2417299 | 2417300 | 2417301 | 2417302 | 2417303 |
|--------------------------------------|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS101 | WS101 | WS101 | WS103 | WS103 |
| Sample Number | | | | ES1 | ES7 | ES10 | ES1 | ES3 |
| Depth (m) | | | | 0.80 | 2.60 | 4.60 | 0.15 | 0.80 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| Stone Content | % | 0.1 | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 7 | 10 | 16 | 15 | 14 |
| Total mass of sample received | kg | 0.001 | NONE | 1.3 | 1.4 | 1.3 | 1.3 | 1.2 |

| Asbestos in Soil Screen / Identification Name | Type | N/A | ISO 17025 | - | - | - | - | - |
|---|------|-------|-----------|--------------|--------------|-----|--------------|--------------|
| Asbestos in Soil | Type | N/A | ISO 17025 | Not-detected | Not-detected | - | Not-detected | Not-detected |
| Asbestos Quantification (Stage 2) | % | 0.001 | ISO 17025 | - | - | - | - | - |
| Asbestos Quantification Total | % | 0.001 | ISO 17025 | - | - | - | - | - |
| Asbestos Analyst ID | N/A | N/A | N/A | SFS | SFS | N/A | SFS | SFS |

General Inorganics

| pH - Automated | pH Units | N/A | MCERTS | 10.5 | 7.8 | 4.6 | 8.4 | 10.2 |
|---|----------|---------|--------|--------|-------|--------|-------|-------|
| Total Cyanide | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 |
| Free Cyanide | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 |
| Total Sulphate as SO4 | mg/kg | 50 | MCERTS | 2100 | 31000 | - | 2100 | 6400 |
| Total Sulphate as SO4 | % | 0.005 | MCERTS | - | - | 0.608 | - | - |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | g/l | 0.00125 | MCERTS | 0.3 | 0.69 | 0.57 | 0.38 | 1.2 |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | mg/l | 1.25 | MCERTS | - | - | 571 | - | - |
| Water Soluble Chloride (2:1) (leachate equivalent) | mg/l | 0.5 | MCERTS | - | - | 9.5 | - | - |
| Total Sulphur | mg/kg | 50 | MCERTS | 810 | 12000 | - | 1100 | 2700 |
| Total Sulphur | % | 0.005 | MCERTS | - | - | 0.276 | - | - |
| Ammoniacal Nitrogen as NH4 | mg/kg | 0.5 | MCERTS | - | - | < 0.5 | - | - |
| Ammonium as NH4 (10:1 leachate equivalent) | mg/l | 0.05 | MCERTS | - | - | < 0.05 | - | - |
| Fraction Organic Carbon (FOC) Automated | N/A | 0.001 | MCERTS | 0.0032 | 0.019 | - | 0.023 | 0.012 |
| Fraction Organic Carbon (FOC) | N/A | 0.001 | MCERTS | - | - | - | - | - |
| Water Soluble Nitrate (2:1) as N (leachate equivalent) | mg/l | 2 | NONE | - | - | < 2.0 | - | - |

Total Phenols

| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 |
|----------------------------|-------|---|--------|-------|-------|---|-------|-------|
|----------------------------|-------|---|--------|-------|-------|---|-------|-------|

Speciated PAHs

| Naphthalene | mg/kg | 0.05 | MCERTS | < 0.05 | 4.5 | - | < 0.05 | < 0.05 |
|------------------------|-------|------|--------|--------|--------|---|--------|--------|
| Acenaphthylene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | < 0.05 | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.31 | - | 0.33 | < 0.05 |
| Fluorene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.21 | - | 0.24 | < 0.05 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | < 0.05 | 0.76 | - | 2.7 | 0.47 |
| Anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | 0.56 | < 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | 4.9 | 0.6 |
| Pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | 4.5 | 0.57 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | 2.9 | < 0.05 |
| Chrysene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | 2.3 | < 0.05 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | 2.6 | < 0.05 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | 1.5 | < 0.05 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | 2.4 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | 1.2 | < 0.05 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | 0.33 | < 0.05 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | 1.5 | < 0.05 |

Total PAH

| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | < 0.80 | 5.78 | - | 27.8 | 1.64 |
|-----------------------------|-------|-----|--------|--------|------|---|------|------|
|-----------------------------|-------|-----|--------|--------|------|---|------|------|

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| Lab Sample Number | 2417299 | | | | 2417300 | | 2417301 | | 2417302 | | 2417303 | |
|--------------------------------------|---------------|--------------------|----------------------|--|---------------|--|---------------|--|---------------|--|---------------|--|
| Sample Reference | WS101 | | | | WS101 | | WS101 | | WS103 | | WS103 | |
| Sample Number | ES1 | | | | ES7 | | ES10 | | ES1 | | ES3 | |
| Depth (m) | 0.80 | | | | 2.60 | | 4.60 | | 0.15 | | 0.80 | |
| Date Sampled | 23/08/2022 | | | | 23/08/2022 | | 23/08/2022 | | 23/08/2022 | | 23/08/2022 | |
| Time Taken | None Supplied | | | | None Supplied | | None Supplied | | None Supplied | | None Supplied | |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | | | | | |

Heavy Metals / Metalloids

| Parameter | Units | Limit of detection | Accreditation Status | 2417299 | 2417300 | 2417301 | 2417302 | 2417303 |
|------------------------------------|-------|--------------------|----------------------|---------|---------|---------|---------|---------|
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 8 | 230 | - | 43 | 17 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 0.41 | 2.2 | - | 2 | 0.47 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 0.7 | 0.9 | - | 2.5 | 2.2 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | 0.5 | < 0.2 | - | < 0.2 | < 0.2 |
| Chromium (hexavalent) | mg/kg | 1.8 | MCERTS | < 1.8 | < 1.8 | - | < 1.8 | < 1.8 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 310 | 35 | - | 45 | 64 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 20 | 94 | - | 72 | 34 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 22 | 39 | - | 160 | 20 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | - | 0.5 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 25 | 71 | - | 29 | 21 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | 24 | 98 | - | 53 | 22 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 580 | 65 | - | 180 | 34 |

| | | | | | | | | |
|---------------------------------|-------|-----|------|---|---|----|---|---|
| Magnesium (water soluble) | mg/kg | 5 | NONE | - | - | 35 | - | - |
| Magnesium (leachate equivalent) | mg/l | 2.5 | NONE | - | - | 18 | - | - |

Monoaromatics & Oxygenates

| Parameter | Units | Limit of detection | Accreditation Status | 2417299 | 2417300 | 2417301 | 2417302 | 2417303 |
|------------------------------------|-------|--------------------|----------------------|---------|---------|---------|---------|---------|
| Benzene | µg/kg | 1 | MCERTS | - | - | - | - | < 1.0 |
| Toluene | µg/kg | 1 | MCERTS | - | - | - | - | < 1.0 |
| Ethylbenzene | µg/kg | 1 | MCERTS | - | - | - | - | < 1.0 |
| p & m-xylene | µg/kg | 1 | MCERTS | - | - | - | - | < 1.0 |
| o-xylene | µg/kg | 1 | MCERTS | - | - | - | - | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | - | - | - | - | < 1.0 |

Petroleum Hydrocarbons

| | | | | | | | | |
|---|-------|----|--------|-----|----|---|-----|---|
| TPH C10 - C40 <small>EH_CU_ID_TOTAL</small> | mg/kg | 10 | MCERTS | 690 | 20 | - | 290 | - |
|---|-------|----|--------|-----|----|---|-----|---|

| | | | | | | | | |
|--|-------|-----|--------|-------|-------|---|-------|---|
| TPH2 (C6 - C10) <small>HS_ID_TOTAL</small> | mg/kg | 0.1 | MCERTS | < 0.1 | < 0.1 | - | < 0.1 | - |
|--|-------|-----|--------|-------|-------|---|-------|---|

| | | | | | | | | |
|--|-------|-------|--------|---|---|---|---|---------|
| TPH-CWG - Aliphatic >EC5 - EC6 <small>HS_ID_AL</small> | mg/kg | 0.001 | MCERTS | - | - | - | - | < 0.001 |
| TPH-CWG - Aliphatic >EC6 - EC8 <small>HS_ID_AL</small> | mg/kg | 0.001 | MCERTS | - | - | - | - | < 0.001 |
| TPH-CWG - Aliphatic >EC8 - EC10 <small>HS_ID_AL</small> | mg/kg | 0.001 | MCERTS | - | - | - | - | < 0.001 |
| TPH-CWG - Aliphatic >EC10 - EC12 <small>EH_CU_ID_AL</small> | mg/kg | 1 | MCERTS | - | - | - | - | 12 |
| TPH-CWG - Aliphatic >EC12 - EC16 <small>EH_CU_ID_AL</small> | mg/kg | 2 | MCERTS | - | - | - | - | 350 |
| TPH-CWG - Aliphatic >EC16 - EC21 <small>EH_CU_ID_AL</small> | mg/kg | 8 | MCERTS | - | - | - | - | 970 |
| TPH-CWG - Aliphatic >EC21 - EC35 <small>EH_CU_ID_AL</small> | mg/kg | 8 | MCERTS | - | - | - | - | 780 |
| TPH-CWG - Aliphatic (EC5 - EC35) <small>EH_CU+HS_ID_AL</small> | mg/kg | 10 | MCERTS | - | - | - | - | 2100 |

| | | | | | | | | |
|---|-------|-------|--------|---|---|---|---|---------|
| TPH-CWG - Aromatic >EC5 - EC7 <small>HS_ID_AR</small> | mg/kg | 0.001 | MCERTS | - | - | - | - | < 0.001 |
| TPH-CWG - Aromatic >EC7 - EC8 <small>HS_ID_AR</small> | mg/kg | 0.001 | MCERTS | - | - | - | - | < 0.001 |
| TPH-CWG - Aromatic >EC8 - EC10 <small>HS_ID_AR</small> | mg/kg | 0.001 | MCERTS | - | - | - | - | < 0.001 |
| TPH-CWG - Aromatic >EC10 - EC12 <small>EH_CU_ID_AR</small> | mg/kg | 1 | MCERTS | - | - | - | - | 6.6 |
| TPH-CWG - Aromatic >EC12 - EC16 <small>EH_CU_ID_AR</small> | mg/kg | 2 | MCERTS | - | - | - | - | 100 |
| TPH-CWG - Aromatic >EC16 - EC21 <small>EH_CU_ID_AR</small> | mg/kg | 10 | MCERTS | - | - | - | - | 400 |
| TPH-CWG - Aromatic >EC21 - EC35 <small>EH_CU_ID_AR</small> | mg/kg | 10 | MCERTS | - | - | - | - | 510 |
| TPH-CWG - Aromatic (EC5 - EC35) <small>EH_CU+HS_ID_AR</small> | mg/kg | 10 | MCERTS | - | - | - | - | 1000 |

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| | | | | | | | | |
|---|---------------|---------------------------|-----------------------------|--|---------------|---------------|---------------|---------------|
| Lab Sample Number | 2417299 | | | | 2417300 | 2417301 | 2417302 | 2417303 |
| Sample Reference | WS101 | | | | WS101 | WS101 | WS103 | WS103 |
| Sample Number | ES1 | | | | ES7 | ES10 | ES1 | ES3 |
| Depth (m) | 0.80 | | | | 2.60 | 4.60 | 0.15 | 0.80 |
| Date Sampled | 23/08/2022 | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | None Supplied | | | | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |

PCBs by GC-MS

| | | | | | | | | |
|------------------|-------|-------|--------|---|---|---|---|---|
| PCB Congener 28 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 52 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 101 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 118 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 138 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 153 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 180 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |

Total PCBs by GC-MS

| | | | | | | | | |
|------------|-------|-------|--------|---|---|---|---|---|
| Total PCBs | mg/kg | 0.007 | MCERTS | - | - | - | - | - |
|------------|-------|-------|--------|---|---|---|---|---|

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| Lab Sample Number | | | | 2417304 | 2417305 | 2417306 | 2417307 | 2417308 |
|--------------------------------------|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS103 | WS104 | WS104 | WS105 | WS105 |
| Sample Number | | | | ES10 | ES1 | ES3 | ES3 | ES7 |
| Depth (m) | | | | 3.60 | 0.50 | 1.60 | 0.80 | 2.60 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| Stone Content | % | 0.1 | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 9.7 | 12 | 13 | 8.3 | 9.3 |
| Total mass of sample received | kg | 0.001 | NONE | 1.3 | 1.4 | 1.3 | 1.4 | 1.4 |

| Asbestos in Soil Screen / Identification Name | Type | N/A | ISO 17025 | - | - | - | - | - |
|---|------|-------|-----------|-----|--------------|--------------|--------------|--------------|
| Asbestos in Soil | Type | N/A | ISO 17025 | - | Not-detected | Not-detected | Not-detected | Not-detected |
| Asbestos Quantification (Stage 2) | % | 0.001 | ISO 17025 | - | - | - | - | - |
| Asbestos Quantification Total | % | 0.001 | ISO 17025 | - | - | - | - | - |
| Asbestos Analyst ID | N/A | N/A | N/A | N/A | SFS | SFS | SFS | SFS |

General Inorganics

| pH - Automated | pH Units | N/A | MCERTS | 7.8 | 8.1 | 3.2 | 6.1 | 4.5 |
|---|----------|---------|--------|--------|-------|-------|-------|-------|
| Total Cyanide | mg/kg | 1 | MCERTS | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Free Cyanide | mg/kg | 1 | MCERTS | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Sulphate as SO4 | mg/kg | 50 | MCERTS | - | 7400 | 21000 | 9200 | 31000 |
| Total Sulphate as SO4 | % | 0.005 | MCERTS | 3.25 | - | - | - | - |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | g/l | 0.00125 | MCERTS | 3.5 | 0.15 | 0.75 | 0.27 | 3.6 |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | mg/l | 1.25 | MCERTS | 3550 | - | - | - | - |
| Water Soluble Chloride (2:1) (leachate equivalent) | mg/l | 0.5 | MCERTS | 4.7 | - | - | - | - |
| Total Sulphur | mg/kg | 50 | MCERTS | - | 3500 | 9300 | 4300 | 16000 |
| Total Sulphur | % | 0.005 | MCERTS | 2.37 | - | - | - | - |
| Ammoniacal Nitrogen as NH4 | mg/kg | 0.5 | MCERTS | < 0.5 | - | - | - | - |
| Ammonium as NH4 (10:1 leachate equivalent) | mg/l | 0.05 | MCERTS | < 0.05 | - | - | - | - |
| Fraction Organic Carbon (FOC) Automated | N/A | 0.001 | MCERTS | - | 0.043 | 0.019 | 0.032 | 0.022 |
| Fraction Organic Carbon (FOC) | N/A | 0.001 | MCERTS | - | - | - | - | - |
| Water Soluble Nitrate (2:1) as N (leachate equivalent) | mg/l | 2 | NONE | < 2.0 | - | - | - | - |

Total Phenols

| | | | | | | | | |
|----------------------------|-------|---|--------|---|-------|-------|-------|-------|
| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
|----------------------------|-------|---|--------|---|-------|-------|-------|-------|

Speciated PAHs

| | | | | | | | | |
|------------------------|-------|------|--------|---|--------|--------|--------|--------|
| Naphthalene | mg/kg | 0.05 | MCERTS | - | 0.96 | 3 | 5 | 5.2 |
| Acenaphthylene | mg/kg | 0.05 | MCERTS | - | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | - | < 0.05 | < 0.05 | 0.27 | 0.26 |
| Fluorene | mg/kg | 0.05 | MCERTS | - | < 0.05 | < 0.05 | 0.24 | 0.21 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | - | 1.8 | 0.52 | 1.1 | 1.2 |
| Anthracene | mg/kg | 0.05 | MCERTS | - | 0.37 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | - | 4 | < 0.05 | < 0.05 | < 0.05 |
| Pyrene | mg/kg | 0.05 | MCERTS | - | 4.1 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | - | 3.1 | < 0.05 | < 0.05 | < 0.05 |
| Chrysene | mg/kg | 0.05 | MCERTS | - | 2.6 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | MCERTS | - | 3.2 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | MCERTS | - | 1.1 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | - | 2.5 | < 0.05 | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | - | 1.1 | < 0.05 | < 0.05 | < 0.05 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | - | 0.27 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | - | 1.2 | < 0.05 | < 0.05 | < 0.05 |

Total PAH

| | | | | | | | | |
|-----------------------------|-------|-----|--------|---|------|------|------|------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | - | 26.1 | 3.55 | 6.59 | 6.89 |
|-----------------------------|-------|-----|--------|---|------|------|------|------|

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| Lab Sample Number | | | | 2417304 | 2417305 | 2417306 | 2417307 | 2417308 |
|--|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS103 | WS104 | WS104 | WS105 | WS105 |
| Sample Number | | | | ES10 | ES1 | ES3 | ES3 | ES7 |
| Depth (m) | | | | 3.60 | 0.50 | 1.60 | 0.80 | 2.60 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| Heavy Metals / Metalloids | | | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 89 | 780 | 75 | 83 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | - | 0.8 | 0.3 | 0.63 | 0.75 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | - | 0.4 | 0.6 | 0.4 | 0.4 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | - | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent) | mg/kg | 1.8 | MCERTS | - | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 18 | 12 | 13 | 19 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 80 | 22 | 37 | 56 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 50 | 19 | 32 | 33 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | - | < 0.3 | < 0.3 | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 24 | 11 | 18 | 20 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 24 | 17 | 30 | 30 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 63 | 25 | 18 | 23 |
| Magnesium (water soluble) | mg/kg | 5 | NONE | 340 | - | - | - | - |
| Magnesium (leachate equivalent) | mg/l | 2.5 | NONE | 170 | - | - | - | - |
| Monoaromatics & Oxygenates | | | | | | | | |
| Benzene | µg/kg | 1 | MCERTS | - | - | - | - | - |
| Toluene | µg/kg | 1 | MCERTS | - | - | - | - | - |
| Ethylbenzene | µg/kg | 1 | MCERTS | - | - | - | - | - |
| p & m-xylene | µg/kg | 1 | MCERTS | - | - | - | - | - |
| o-xylene | µg/kg | 1 | MCERTS | - | - | - | - | - |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | - | - | - | - | - |
| Petroleum Hydrocarbons | | | | | | | | |
| TPH C10 - C40 _{EH,CU,1D_TOTAL} | mg/kg | 10 | MCERTS | - | 160 | 21 | 28 | 33 |
| TPH2 (C6 - C10) _{HS,1D_TOTAL} | mg/kg | 0.1 | MCERTS | - | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| TPH-CWG - Aliphatic >EC5 - EC6 _{HS,1D_AL} | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic >EC6 - EC8 _{HS,1D_AL} | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic >EC8 - EC10 _{HS,1D_AL} | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic >EC10 - EC12 _{EH,CU,1D_AL} | mg/kg | 1 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic >EC12 - EC16 _{EH,CU,1D_AL} | mg/kg | 2 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic >EC16 - EC21 _{EH,CU,1D_AL} | mg/kg | 8 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic >EC21 - EC35 _{EH,CU,1D_AL} | mg/kg | 8 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic (EC5 - EC35) _{EH,CU+HS,1D_AL} | mg/kg | 10 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC5 - EC7 _{HS,1D_AR} | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC7 - EC8 _{HS,1D_AR} | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC8 - EC10 _{HS,1D_AR} | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC10 - EC12 _{EH,CU,1D_AR} | mg/kg | 1 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC12 - EC16 _{EH,CU,1D_AR} | mg/kg | 2 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC16 - EC21 _{EH,CU,1D_AR} | mg/kg | 10 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC21 - EC35 _{EH,CU,1D_AR} | mg/kg | 10 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic (EC5 - EC35) _{EH,CU+HS,1D_AR} | mg/kg | 10 | MCERTS | - | - | - | - | - |

Analytical Report Number: 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Your Order No: 203-22-989

| Lab Sample Number | | | | 2417304 | 2417305 | 2417306 | 2417307 | 2417308 |
|---|-------|--------------------|-------------------------|----------------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS103 | WS104 | WS104 | WS105 | WS105 |
| Sample Number | | | | ES10 | ES1 | ES3 | ES3 | ES7 |
| Depth (m) | | | | 3.60 | 0.50 | 1.60 | 0.80 | 2.60 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| | | | | PCBs by GC-MS | | | | |
| PCB Congener 28 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 52 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 101 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 118 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 138 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 153 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 180 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| Total PCBs by GC-MS | | | | | | | | |
| Total PCBs | mg/kg | 0.007 | MCERTS | - | - | - | - | - |

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| Lab Sample Number | | | | 2417309 | 2417310 | 2417311 | 2417312 | 2417313 |
|--------------------------------------|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS105 | WS106 | WS106 | WS107 | WS107 |
| Sample Number | | | | D10 | ES1 | ES | ES2 | ES8 |
| Depth (m) | | | | 3.80 | 0.20 | 4.60 | 0.70 | 3.60 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| Stone Content | % | 0.1 | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 11 | 5.9 | 11 | 9.9 | 7.5 |
| Total mass of sample received | kg | 0.001 | NONE | 1.2 | 1.4 | 1.4 | 1.3 | 1.3 |

| Asbestos in Soil Screen / Identification Name | Type | N/A | ISO 17025 | - | - | - | - | - |
|---|------|-------|-----------|-----|--------------|--------------|--------------|--------------|
| Asbestos in Soil | Type | N/A | ISO 17025 | - | Not-detected | Not-detected | Not-detected | Not-detected |
| Asbestos Quantification (Stage 2) | % | 0.001 | ISO 17025 | - | - | - | - | - |
| Asbestos Quantification Total | % | 0.001 | ISO 17025 | - | - | - | - | - |
| Asbestos Analyst ID | N/A | N/A | N/A | N/A | SFS | SFS | MLO | MLO |

General Inorganics

| pH - Automated | pH Units | N/A | MCERTS | 3.8 | 6.9 | 3.5 | 7.2 | 4.6 |
|---|----------|---------|--------|-------|-------|-------|-------|-------|
| Total Cyanide | mg/kg | 1 | MCERTS | - | 1.7 | < 1.0 | < 1.0 | < 1.0 |
| Free Cyanide | mg/kg | 1 | MCERTS | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Sulphate as SO4 | mg/kg | 50 | MCERTS | - | 4100 | 98000 | 12000 | 15000 |
| Total Sulphate as SO4 | % | 0.005 | MCERTS | 8.67 | - | - | - | - |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | g/l | 0.00125 | MCERTS | 3 | 0.022 | 1.9 | 0.61 | 1.9 |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | mg/l | 1.25 | MCERTS | 3010 | - | - | - | - |
| Water Soluble Chloride (2:1) (leachate equivalent) | mg/l | 0.5 | MCERTS | 3.2 | - | - | - | - |
| Total Sulphur | mg/kg | 50 | MCERTS | - | 1700 | 40000 | 6700 | 8400 |
| Total Sulphur | % | 0.005 | MCERTS | 4.07 | - | - | - | - |
| Ammoniacal Nitrogen as NH4 | mg/kg | 0.5 | MCERTS | 4.3 | - | - | - | - |
| Ammonium as NH4 (10:1 leachate equivalent) | mg/l | 0.05 | MCERTS | 0.43 | - | - | - | - |
| Fraction Organic Carbon (FOC) Automated | N/A | 0.001 | MCERTS | - | 0.061 | 0.035 | 0.044 | 0.052 |
| Fraction Organic Carbon (FOC) | N/A | 0.001 | MCERTS | - | - | - | - | - |
| Water Soluble Nitrate (2:1) as N (leachate equivalent) | mg/l | 2 | NONE | < 2.0 | - | - | - | - |

Total Phenols

| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
|----------------------------|-------|---|--------|---|-------|-------|-------|-------|
|----------------------------|-------|---|--------|---|-------|-------|-------|-------|

Speciated PAHs

| Naphthalene | mg/kg | 0.05 | MCERTS | - | 0.48 | 3.8 | 7.5 | 4.3 |
|------------------------|-------|------|--------|---|--------|--------|--------|--------|
| Acenaphthylene | mg/kg | 0.05 | MCERTS | - | 0.21 | < 0.05 | < 0.05 | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | - | 0.36 | < 0.05 | < 0.05 | < 0.05 |
| Fluorene | mg/kg | 0.05 | MCERTS | - | 0.23 | < 0.05 | 0.3 | 0.27 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | - | 3.9 | 1.5 | 2.3 | 1.7 |
| Anthracene | mg/kg | 0.05 | MCERTS | - | 0.78 | < 0.05 | < 0.05 | < 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | - | 6.7 | 0.5 | 0.42 | 0.32 |
| Pyrene | mg/kg | 0.05 | MCERTS | - | 6.2 | 0.54 | 0.53 | 0.43 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | - | 3.9 | 0.59 | 0.27 | 0.34 |
| Chrysene | mg/kg | 0.05 | MCERTS | - | 3.1 | 0.72 | 0.56 | 0.19 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | MCERTS | - | 4.5 | 0.74 | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | MCERTS | - | 1.9 | 0.37 | < 0.05 | < 0.05 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | - | 3.6 | 0.54 | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | - | 1.9 | 0.28 | < 0.05 | < 0.05 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | - | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | - | 2.2 | 0.28 | < 0.05 | < 0.05 |

Total PAH

| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | - | 39.9 | 9.86 | 11.9 | 7.6 |
|-----------------------------|-------|-----|--------|---|------|------|------|-----|
|-----------------------------|-------|-----|--------|---|------|------|------|-----|

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| Lab Sample Number | | | | 2417309 | 2417310 | 2417311 | 2417312 | 2417313 |
|--|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS105 | WS106 | WS106 | WS107 | WS107 |
| Sample Number | | | | D10 | ES1 | ES | ES2 | ES8 |
| Depth (m) | | | | 3.80 | 0.20 | 4.60 | 0.70 | 3.60 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| Heavy Metals / Metalloids | | | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 170 | 350 | 120 | 60 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | - | 5.7 | 0.73 | 0.47 | 0.5 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | - | 2.7 | 0.4 | 0.3 | 0.5 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | - | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent) | mg/kg | 1.8 | MCERTS | - | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 67 | 7 | 18 | 16 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 450 | 68 | 76 | 42 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 620 | 56 | 41 | 26 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | - | 1.5 | 1 | 0.5 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 88 | 34 | 18 | 17 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 110 | 23 | 23 | 24 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | - | 400 | 86 | 41 | 30 |
| Magnesium (water soluble) | mg/kg | 5 | NONE | 480 | - | - | - | - |
| Magnesium (leachate equivalent) | mg/l | 2.5 | NONE | 240 | - | - | - | - |
| Monoaromatics & Oxygenates | | | | | | | | |
| Benzene | µg/kg | 1 | MCERTS | - | - | < 1.0 | - | < 1.0 |
| Toluene | µg/kg | 1 | MCERTS | - | - | < 1.0 | - | < 1.0 |
| Ethylbenzene | µg/kg | 1 | MCERTS | - | - | < 1.0 | - | < 1.0 |
| p & m-xylene | µg/kg | 1 | MCERTS | - | - | < 1.0 | - | < 1.0 |
| o-xylene | µg/kg | 1 | MCERTS | - | - | < 1.0 | - | < 1.0 |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | - | - | < 1.0 | - | < 1.0 |
| Petroleum Hydrocarbons | | | | | | | | |
| TPH C10 - C40 _{EH_CU_ID_TOTAL} | mg/kg | 10 | MCERTS | - | 52 | - | 190 | - |
| TPH2 (C6 - C10) _{HS_ID_TOTAL} | mg/kg | 0.1 | MCERTS | - | < 0.1 | - | < 0.1 | - |
| TPH-CWG - Aliphatic >EC5 - EC6 _{HS_ID_AL} | mg/kg | 0.001 | MCERTS | - | - | < 0.001 | - | < 0.001 |
| TPH-CWG - Aliphatic >EC6 - EC8 _{HS_ID_AL} | mg/kg | 0.001 | MCERTS | - | - | < 0.001 | - | < 0.001 |
| TPH-CWG - Aliphatic >EC8 - EC10 _{HS_ID_AL} | mg/kg | 0.001 | MCERTS | - | - | < 0.001 | - | < 0.001 |
| TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_ID_AL} | mg/kg | 1 | MCERTS | - | - | < 1.0 | - | 7.7 |
| TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_ID_AL} | mg/kg | 2 | MCERTS | - | - | < 2.0 | - | 12 |
| TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_ID_AL} | mg/kg | 8 | MCERTS | - | - | < 8.0 | - | 17 |
| TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_ID_AL} | mg/kg | 8 | MCERTS | - | - | < 8.0 | - | 35 |
| TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_ID_AL} | mg/kg | 10 | MCERTS | - | - | < 10 | - | 72 |
| TPH-CWG - Aromatic >EC5 - EC7 _{HS_ID_AR} | mg/kg | 0.001 | MCERTS | - | - | < 0.001 | - | < 0.001 |
| TPH-CWG - Aromatic >EC7 - EC8 _{HS_ID_AR} | mg/kg | 0.001 | MCERTS | - | - | < 0.001 | - | < 0.001 |
| TPH-CWG - Aromatic >EC8 - EC10 _{HS_ID_AR} | mg/kg | 0.001 | MCERTS | - | - | < 0.001 | - | < 0.001 |
| TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_ID_AR} | mg/kg | 1 | MCERTS | - | - | < 1.0 | - | 6.2 |
| TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_ID_AR} | mg/kg | 2 | MCERTS | - | - | < 2.0 | - | 14 |
| TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_ID_AR} | mg/kg | 10 | MCERTS | - | - | < 10 | - | < 10 |
| TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_ID_AR} | mg/kg | 10 | MCERTS | - | - | < 10 | - | 17 |
| TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_ID_AR} | mg/kg | 10 | MCERTS | - | - | < 10 | - | 47 |

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| Lab Sample Number | | | | 2417309 | 2417310 | 2417311 | 2417312 | 2417313 |
|---|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS105 | WS106 | WS106 | WS107 | WS107 |
| Sample Number | | | | D10 | ES1 | ES | ES2 | ES8 |
| Depth (m) | | | | 3.80 | 0.20 | 4.60 | 0.70 | 3.60 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| | | | | | | | | |
| PCBs by GC-MS | | | | | | | | |
| PCB Congener 28 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 52 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 101 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 118 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 138 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 153 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 180 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| Total PCBs by GC-MS | | | | | | | | |
| Total PCBs | mg/kg | 0.007 | MCERTS | - | - | - | - | - |

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Your Order No: 203-22-989

| Lab Sample Number | | | | 2417314 | 2417315 | 2417316 | 2417317 | 2417318 |
|--------------------------------------|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS108 | WS108 | WS109 | WS110 | WS110 |
| Sample Number | | | | ES1 | ES2 | ES2 | ES1 | ES3 |
| Depth (m) | | | | 0.80 | 1.60 | 0.80 | 0.80 | 1.60 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| Stone Content | % | 0.1 | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 5.8 | 21 | 13 | 14 | 30 |
| Total mass of sample received | kg | 0.001 | NONE | 1.3 | 1.3 | 1.4 | 1.4 | 1.4 |

| Asbestos in Soil Screen / Identification Name | Type | N/A | ISO 17025 | - | - | - | - | - |
|---|------|-------|-----------|--------------|--------------|--------------|--------------|--------------|
| Asbestos in Soil | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected | Not-detected | Not-detected |
| Asbestos Quantification (Stage 2) | % | 0.001 | ISO 17025 | - | - | - | - | - |
| Asbestos Quantification Total | % | 0.001 | ISO 17025 | - | - | - | - | - |
| Asbestos Analyst ID | N/A | N/A | N/A | MLO | MLO | MLO | MLO | MLO |

General Inorganics

| pH - Automated | pH Units | N/A | MCERTS | 7.4 | 11.3 | 8.3 | 6.4 | 5.2 |
|---|----------|---------|--------|--------|--------|-------|-------|-------|
| Total Cyanide | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Free Cyanide | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Sulphate as SO4 | mg/kg | 50 | MCERTS | 490 | 10000 | 1300 | 7100 | 5900 |
| Total Sulphate as SO4 | % | 0.005 | MCERTS | - | - | - | - | - |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | g/l | 0.00125 | MCERTS | 0.19 | 0.22 | 0.25 | 2.1 | 0.76 |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | mg/l | 1.25 | MCERTS | - | - | - | - | - |
| Water Soluble Chloride (2:1) (leachate equivalent) | mg/l | 0.5 | MCERTS | - | - | - | - | - |
| Total Sulphur | mg/kg | 50 | MCERTS | 470 | 4300 | 2500 | 6400 | 2800 |
| Total Sulphur | % | 0.005 | MCERTS | - | - | - | - | - |
| Ammoniacal Nitrogen as NH4 | mg/kg | 0.5 | MCERTS | - | - | - | - | - |
| Ammonium as NH4 (10:1 leachate equivalent) | mg/l | 0.05 | MCERTS | - | - | - | - | - |
| Fraction Organic Carbon (FOC) Automated | N/A | 0.001 | MCERTS | 0.0032 | 0.0034 | 0.04 | 0.042 | - |
| Fraction Organic Carbon (FOC) | N/A | 0.001 | MCERTS | - | - | - | - | 0.19 |
| Water Soluble Nitrate (2:1) as N (leachate equivalent) | mg/l | 2 | NONE | - | - | - | - | - |

Total Phenols

| | | | | | | | | |
|----------------------------|-------|---|--------|-------|-------|-------|-------|-------|
| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
|----------------------------|-------|---|--------|-------|-------|-------|-------|-------|

Speciated PAHs

| | | | | | | | | |
|------------------------|-------|------|--------|--------|--------|--------|--------|--------|
| Naphthalene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 6.3 | < 0.05 | 8.3 |
| Acenaphthylene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 0.27 | < 0.05 | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 0.63 | 0.54 | < 0.05 |
| Fluorene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 0.64 | 0.62 | 1.6 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 4.9 | 5.9 | 17 |
| Anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 1.1 | 1.6 | 2.3 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 4.2 | 7.1 | 5.7 |
| Pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 4.5 | 6.9 | 4.6 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 2.8 | 3.4 | 3.2 |
| Chrysene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 2.1 | 3.3 | 2.6 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 2.2 | 3.5 | 1.4 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 1.4 | 1.4 | 0.99 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 1.8 | 2.1 | 0.62 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 0.66 | 1.1 | < 0.05 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 0.84 | 1.3 | < 0.05 |

Total PAH

| | | | | | | | | |
|-----------------------------|-------|-----|--------|--------|--------|------|------|------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | < 0.80 | < 0.80 | 34.4 | 38.6 | 48.5 |
|-----------------------------|-------|-----|--------|--------|--------|------|------|------|

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| Lab Sample Number | | | | 2417314 | 2417315 | 2417316 | 2417317 | 2417318 |
|--|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS108 | WS108 | WS109 | WS110 | WS110 |
| Sample Number | | | | ES1 | ES2 | ES2 | ES1 | ES3 |
| Depth (m) | | | | 0.80 | 1.60 | 0.80 | 0.80 | 1.60 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| Heavy Metals / Metalloids | | | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 16 | 5.2 | 180 | 100 | 91 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 0.15 | 0.63 | 1 | 1.4 | 0.38 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 0.3 | 2.1 | 2.2 | 0.7 | 0.3 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | 2.9 | 0.4 | < 0.2 | < 0.2 | < 0.2 |
| Chromium (hexavalent) | mg/kg | 1.8 | MCERTS | < 1.8 | < 1.8 | < 1.8 | < 1.8 | < 1.8 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 3.2 | 19 | 44 | 65 | 9.8 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 30 | 11 | 390 | 450 | 31 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 33 | 12 | 83 | 140 | 41 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | < 0.3 | 1.1 | 1.5 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 13 | 9.9 | 44 | 81 | 10 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | 4.2 | 31 | 37 | 57 | 26 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 310 | 80 | 130 | 190 | 14 |
| Magnesium (water soluble) | mg/kg | 5 | NONE | - | - | - | - | - |
| Magnesium (leachate equivalent) | mg/l | 2.5 | NONE | - | - | - | - | - |
| Monoaromatics & Oxygenates | | | | | | | | |
| Benzene | µg/kg | 1 | MCERTS | - | - | - | < 1.0 | - |
| Toluene | µg/kg | 1 | MCERTS | - | - | - | < 1.0 | - |
| Ethylbenzene | µg/kg | 1 | MCERTS | - | - | - | < 1.0 | - |
| p & m-xylene | µg/kg | 1 | MCERTS | - | - | - | < 1.0 | - |
| o-xylene | µg/kg | 1 | MCERTS | - | - | - | < 1.0 | - |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | - | - | - | < 1.0 | - |
| Petroleum Hydrocarbons | | | | | | | | |
| TPH C10 - C40 _{EH_CU_ID_TOTAL} | mg/kg | 10 | MCERTS | < 10 | 110 | 530 | - | 240 |
| TPH2 (C6 - C10) _{HS_ID_TOTAL} | mg/kg | 0.1 | MCERTS | < 0.1 | < 0.1 | < 0.1 | - | < 0.1 |
| TPH-CWG - Aliphatic >EC5 - EC6 _{HS_ID_AL} | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| TPH-CWG - Aliphatic >EC6 - EC8 _{HS_ID_AL} | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| TPH-CWG - Aliphatic >EC8 - EC10 _{HS_ID_AL} | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| TPH-CWG - Aliphatic >EC10 - EC12 _{EH_CU_ID_AL} | mg/kg | 1 | MCERTS | - | - | - | 9.4 | - |
| TPH-CWG - Aliphatic >EC12 - EC16 _{EH_CU_ID_AL} | mg/kg | 2 | MCERTS | - | - | - | 25 | - |
| TPH-CWG - Aliphatic >EC16 - EC21 _{EH_CU_ID_AL} | mg/kg | 8 | MCERTS | - | - | - | 110 | - |
| TPH-CWG - Aliphatic >EC21 - EC35 _{EH_CU_ID_AL} | mg/kg | 8 | MCERTS | - | - | - | 750 | - |
| TPH-CWG - Aliphatic (EC5 - EC35) _{EH_CU+HS_ID_AL} | mg/kg | 10 | MCERTS | - | - | - | 890 | - |
| TPH-CWG - Aromatic >EC5 - EC7 _{HS_ID_AR} | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| TPH-CWG - Aromatic >EC7 - EC8 _{HS_ID_AR} | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| TPH-CWG - Aromatic >EC8 - EC10 _{HS_ID_AR} | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| TPH-CWG - Aromatic >EC10 - EC12 _{EH_CU_ID_AR} | mg/kg | 1 | MCERTS | - | - | - | 3.9 | - |
| TPH-CWG - Aromatic >EC12 - EC16 _{EH_CU_ID_AR} | mg/kg | 2 | MCERTS | - | - | - | 23 | - |
| TPH-CWG - Aromatic >EC16 - EC21 _{EH_CU_ID_AR} | mg/kg | 10 | MCERTS | - | - | - | 67 | - |
| TPH-CWG - Aromatic >EC21 - EC35 _{EH_CU_ID_AR} | mg/kg | 10 | MCERTS | - | - | - | 290 | - |
| TPH-CWG - Aromatic (EC5 - EC35) _{EH_CU+HS_ID_AR} | mg/kg | 10 | MCERTS | - | - | - | 380 | - |

Analytical Report Number: 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Your Order No: 203-22-989

| Lab Sample Number | | | | 2417314 | 2417315 | 2417316 | 2417317 | 2417318 |
|--------------------------------------|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS108 | WS108 | WS109 | WS110 | WS110 |
| Sample Number | | | | ES1 | ES2 | ES2 | ES1 | ES3 |
| Depth (m) | | | | 0.80 | 1.60 | 0.80 | 0.80 | 1.60 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| PCBs by GC-MS | | | | | | | | |
| PCB Congener 28 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 52 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 101 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 118 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 138 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 153 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 180 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| Total PCBs by GC-MS | | | | | | | | |
| Total PCBs | mg/kg | 0.007 | MCERTS | - | - | - | - | - |

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Your Order No: 203-22-989

| Lab Sample Number | 2417319 | | | | 2417320 | | 2417321 | | 2417322 | | 2417323 | |
|--------------------------------------|---------------|--------------------|----------------------|-------|---------------|-------|---------------|-------|---------------|-------|---------------|--|
| Sample Reference | WS111 | | | | WS111 | | WS112 | | WS112 | | WS112 | |
| Sample Number | ES2 | | | | ES9 | | ES1 | | ES7 | | D12 | |
| Depth (m) | 0.90 | | | | 3.60 | | 0.20 | | 0.80 | | 4.00-4.45 | |
| Date Sampled | 23/08/2022 | | | | 23/08/2022 | | 23/08/2022 | | 23/08/2022 | | 23/08/2022 | |
| Time Taken | None Supplied | | | | None Supplied | | None Supplied | | None Supplied | | None Supplied | |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | | | | | |
| Stone Content | % | 0.1 | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | |
| Moisture Content | % | 0.01 | NONE | 13 | 11 | 5.9 | 7.9 | 6.3 | | | | |
| Total mass of sample received | kg | 0.001 | NONE | 1.3 | 1.4 | 1.3 | 1.3 | 0.3 | | | | |

| Asbestos in Soil Screen / Identification Name | Type | N/A | ISO 17025 | - | - | - | Chrysotile | - |
|---|------|-------|-----------|--------------|--------------|--------------|------------|-----|
| Asbestos in Soil | Type | N/A | ISO 17025 | Not-detected | Not-detected | Not-detected | Detected | - |
| Asbestos Quantification (Stage 2) | % | 0.001 | ISO 17025 | - | - | - | < 0.001 | - |
| Asbestos Quantification Total | % | 0.001 | ISO 17025 | - | - | - | < 0.001 | - |
| Asbestos Analyst ID | N/A | N/A | N/A | MLO | MLO | MLO | NTK | N/A |

General Inorganics

| pH - Automated | pH Units | N/A | MCERTS | 6.2 | 2.7 | 6.2 | 7.7 | 6.0 |
|---|----------|---------|--------|-------|--------|-------|-------|--------|
| Total Cyanide | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - |
| Free Cyanide | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - |
| Total Sulphate as SO4 | mg/kg | 50 | MCERTS | 5100 | 140000 | 1700 | 3800 | - |
| Total Sulphate as SO4 | % | 0.005 | MCERTS | - | - | - | - | 0.065 |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | g/l | 0.00125 | MCERTS | 1.5 | 5 | 0.091 | 0.13 | 0.35 |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | mg/l | 1.25 | MCERTS | - | - | - | - | 347 |
| Water Soluble Chloride (2:1) (leachate equivalent) | mg/l | 0.5 | MCERTS | - | - | - | - | 2.7 |
| Total Sulphur | mg/kg | 50 | MCERTS | 2900 | 68000 | 1900 | 2400 | - |
| Total Sulphur | % | 0.005 | MCERTS | - | - | - | - | 0.04 |
| Ammoniacal Nitrogen as NH4 | mg/kg | 0.5 | MCERTS | - | - | - | - | < 0.5 |
| Ammonium as NH4 (10:1 leachate equivalent) | mg/l | 0.05 | MCERTS | - | - | - | - | < 0.05 |
| Fraction Organic Carbon (FOC) Automated | N/A | 0.001 | MCERTS | 0.067 | 0.034 | 0.034 | 0.064 | - |
| Fraction Organic Carbon (FOC) | N/A | 0.001 | MCERTS | - | - | - | - | - |
| Water Soluble Nitrate (2:1) as N (leachate equivalent) | mg/l | 2 | NONE | - | - | - | - | < 2.0 |

Total Phenols

| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - |
|----------------------------|-------|---|--------|-------|-------|-------|-------|---|
|----------------------------|-------|---|--------|-------|-------|-------|-------|---|

Speciated PAHs

| Naphthalene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | - |
|------------------------|-------|------|--------|--------|--------|--------|--------|---|
| Acenaphthylene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 0.43 | 0.91 | - |
| Acenaphthene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 0.92 | 2.6 | - |
| Fluorene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 0.82 | 2.1 | - |
| Phenanthrene | mg/kg | 0.05 | MCERTS | 2.4 | 1.3 | 12 | 30 | - |
| Anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 2.8 | 8.3 | - |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 0.84 | 0.57 | 26 | 45 | - |
| Pyrene | mg/kg | 0.05 | MCERTS | 0.93 | 0.6 | 25 | 42 | - |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 0.49 | 0.3 | 12 | 23 | - |
| Chrysene | mg/kg | 0.05 | MCERTS | 0.57 | 0.34 | 7.8 | 15 | - |
| Benzo(b)fluoranthene | mg/kg | 0.05 | MCERTS | 0.4 | < 0.05 | 11 | 23 | - |
| Benzo(k)fluoranthene | mg/kg | 0.05 | MCERTS | 0.21 | < 0.05 | 4.8 | 7.2 | - |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | 0.26 | < 0.05 | 8.1 | 15 | - |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 3.8 | 7.3 | - |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | < 0.05 | < 0.05 | - |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | 4.5 | 8.1 | - |

Total PAH

| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | 6.12 | 3.07 | 120 | 229 | - |
|-----------------------------|-------|-----|--------|------|------|-----|-----|---|
|-----------------------------|-------|-----|--------|------|------|-----|-----|---|

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| Lab Sample Number | | | | 2417319 | 2417320 | 2417321 | 2417322 | 2417323 |
|--|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS111 | WS111 | WS112 | WS112 | WS112 |
| Sample Number | | | | ES2 | ES9 | ES1 | ES7 | D12 |
| Depth (m) | | | | 0.90 | 3.60 | 0.20 | 0.80 | 4.00-4.45 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| Heavy Metals / Metalloids | | | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 270 | 400 | 110 | 150 | - |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 0.44 | 0.48 | 1.1 | 2.5 | - |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 0.6 | < 0.2 | 0.3 | 1.3 | - |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | < 0.2 | < 0.2 | - |
| Chromium (hexavalent) | mg/kg | 1.8 | MCERTS | < 1.8 | < 1.8 | < 1.8 | < 1.8 | - |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 13 | 8.3 | 26 | 39 | - |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 120 | 64 | 58 | 100 | - |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 60 | 58 | 73 | 170 | - |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | 0.6 | 0.7 | < 0.3 | < 0.3 | - |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 18 | 34 | 28 | 41 | - |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | 24 | 21 | 55 | 120 | - |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 49 | 91 | 100 | 230 | - |
| Magnesium (water soluble) | mg/kg | 5 | NONE | - | - | - | - | 54 |
| Magnesium (leachate equivalent) | mg/l | 2.5 | NONE | - | - | - | - | 27 |
| Monoaromatics & Oxygenates | | | | | | | | |
| Benzene | µg/kg | 1 | MCERTS | - | < 1.0 | - | - | - |
| Toluene | µg/kg | 1 | MCERTS | - | < 1.0 | - | - | - |
| Ethylbenzene | µg/kg | 1 | MCERTS | - | < 1.0 | - | - | - |
| p & m-xylene | µg/kg | 1 | MCERTS | - | < 1.0 | - | - | - |
| o-xylene | µg/kg | 1 | MCERTS | - | < 1.0 | - | - | - |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | - | < 1.0 | - | - | - |
| Petroleum Hydrocarbons | | | | | | | | |
| TPH C10 - C40 _{EH,CU,ID,TOTAL} | mg/kg | 10 | MCERTS | < 10 | - | 150 | 340 | - |
| TPH2 (C6 - C10) _{HS,ID,TOTAL} | mg/kg | 0.1 | MCERTS | < 0.1 | - | < 0.1 | < 0.1 | - |
| TPH-CWG - Aliphatic >EC5 - EC6 _{HS,ID,AL} | mg/kg | 0.001 | MCERTS | - | < 0.001 | - | - | - |
| TPH-CWG - Aliphatic >EC6 - EC8 _{HS,ID,AL} | mg/kg | 0.001 | MCERTS | - | < 0.001 | - | - | - |
| TPH-CWG - Aliphatic >EC8 - EC10 _{HS,ID,AL} | mg/kg | 0.001 | MCERTS | - | < 0.001 | - | - | - |
| TPH-CWG - Aliphatic >EC10 - EC12 _{EH,CU,ID,AL} | mg/kg | 1 | MCERTS | - | < 1.0 | - | - | - |
| TPH-CWG - Aliphatic >EC12 - EC16 _{EH,CU,ID,AL} | mg/kg | 2 | MCERTS | - | < 2.0 | - | - | - |
| TPH-CWG - Aliphatic >EC16 - EC21 _{EH,CU,ID,AL} | mg/kg | 8 | MCERTS | - | < 8.0 | - | - | - |
| TPH-CWG - Aliphatic >EC21 - EC35 _{EH,CU,ID,AL} | mg/kg | 8 | MCERTS | - | < 8.0 | - | - | - |
| TPH-CWG - Aliphatic (EC5 - EC35) _{EH,CU+HS,ID,AL} | mg/kg | 10 | MCERTS | - | < 10 | - | - | - |
| TPH-CWG - Aromatic >EC5 - EC7 _{HS,ID,AR} | mg/kg | 0.001 | MCERTS | - | < 0.001 | - | - | - |
| TPH-CWG - Aromatic >EC7 - EC8 _{HS,ID,AR} | mg/kg | 0.001 | MCERTS | - | < 0.001 | - | - | - |
| TPH-CWG - Aromatic >EC8 - EC10 _{HS,ID,AR} | mg/kg | 0.001 | MCERTS | - | < 0.001 | - | - | - |
| TPH-CWG - Aromatic >EC10 - EC12 _{EH,CU,ID,AR} | mg/kg | 1 | MCERTS | - | < 1.0 | - | - | - |
| TPH-CWG - Aromatic >EC12 - EC16 _{EH,CU,ID,AR} | mg/kg | 2 | MCERTS | - | < 2.0 | - | - | - |
| TPH-CWG - Aromatic >EC16 - EC21 _{EH,CU,ID,AR} | mg/kg | 10 | MCERTS | - | < 10 | - | - | - |
| TPH-CWG - Aromatic >EC21 - EC35 _{EH,CU,ID,AR} | mg/kg | 10 | MCERTS | - | < 10 | - | - | - |
| TPH-CWG - Aromatic (EC5 - EC35) _{EH,CU+HS,ID,AR} | mg/kg | 10 | MCERTS | - | < 10 | - | - | - |

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| Lab Sample Number | | | | 2417319 | 2417320 | 2417321 | 2417322 | 2417323 |
|---|-------|--------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS111 | WS111 | WS112 | WS112 | WS112 |
| Sample Number | | | | ES2 | ES9 | ES1 | ES7 | D12 |
| Depth (m) | | | | 0.90 | 3.60 | 0.20 | 0.80 | 4.00-4.45 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| | | | | | | | | |
| PCBs by GC-MS | | | | | | | | |
| PCB Congener 28 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 52 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 101 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 118 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 138 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 153 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| PCB Congener 180 | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| Total PCBs by GC-MS | | | | | | | | |
| Total PCBs | mg/kg | 0.007 | MCERTS | - | - | - | - | - |

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| Lab Sample Number | | | | 2417324 | 2417325 | 2417326 | 2417327 | 2417328 |
|--------------------------------------|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS113 | WS113 | WS113 | WS115 | WS115 |
| Sample Number | | | | ES2 | ES4 | D10 | ES1 | ES7 |
| Depth (m) | | | | 0.50 | 1.60 | 5.00-5.45 | 0.80 | 3.60 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| Stone Content | % | 0.1 | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 17 | 9.9 | 14 | 14 | 16 |
| Total mass of sample received | kg | 0.001 | NONE | 1 | 1.3 | 1.2 | 1.3 | 1.3 |

| Asbestos in Soil Screen / Identification Name | Type | N/A | ISO 17025 | - | - | - | - | - |
|---|------|-------|-----------|--------------|--------------|-----|--------------|-----|
| Asbestos in Soil | Type | N/A | ISO 17025 | Not-detected | Not-detected | - | Not-detected | - |
| Asbestos Quantification (Stage 2) | % | 0.001 | ISO 17025 | - | - | - | - | - |
| Asbestos Quantification Total | % | 0.001 | ISO 17025 | - | - | - | - | - |
| Asbestos Analyst ID | N/A | N/A | N/A | NTK | NTK | N/A | NTK | N/A |

General Inorganics

| pH - Automated | pH Units | N/A | MCERTS | 7.8 | 7.1 | 7.0 | 5.8 | 7.3 |
|---|----------|---------|--------|-------|--------|-------|-------|-------|
| Total Cyanide | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 |
| Free Cyanide | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 |
| Total Sulphate as SO4 | mg/kg | 50 | MCERTS | 4100 | 120000 | - | 15000 | 560 |
| Total Sulphate as SO4 | % | 0.005 | MCERTS | - | - | 0.106 | - | - |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | g/l | 0.00125 | MCERTS | 2.2 | 1.8 | 0.4 | 2.3 | 0.2 |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | mg/l | 1.25 | MCERTS | - | - | 405 | - | - |
| Water Soluble Chloride (2:1) (leachate equivalent) | mg/l | 0.5 | MCERTS | - | - | 13 | - | - |
| Total Sulphur | mg/kg | 50 | MCERTS | 4800 | 48000 | - | 14000 | 300 |
| Total Sulphur | % | 0.005 | MCERTS | - | - | 0.085 | - | - |
| Ammoniacal Nitrogen as NH4 | mg/kg | 0.5 | MCERTS | - | - | 4 | - | - |
| Ammonium as NH4 (10:1 leachate equivalent) | mg/l | 0.05 | MCERTS | - | - | 0.4 | - | - |
| Fraction Organic Carbon (FOC) Automated | N/A | 0.001 | MCERTS | 0.025 | 0.031 | - | 0.031 | 0.011 |
| Fraction Organic Carbon (FOC) | N/A | 0.001 | MCERTS | - | - | - | - | - |
| Water Soluble Nitrate (2:1) as N (leachate equivalent) | mg/l | 2 | NONE | - | - | < 2.0 | - | - |

Total Phenols

| | | | | | | | | |
|----------------------------|-------|---|--------|-------|-------|---|-------|-------|
| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 |
|----------------------------|-------|---|--------|-------|-------|---|-------|-------|

Speciated PAHs

| | | | | | | | | |
|------------------------|-------|------|--------|--------|--------|---|--------|--------|
| Naphthalene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | < 0.05 | < 0.05 |
| Acenaphthylene | mg/kg | 0.05 | MCERTS | 0.36 | < 0.05 | - | < 0.05 | < 0.05 |
| Acenaphthene | mg/kg | 0.05 | MCERTS | 1.2 | < 0.05 | - | < 0.05 | < 0.05 |
| Fluorene | mg/kg | 0.05 | MCERTS | 1 | < 0.05 | - | < 0.05 | < 0.05 |
| Phenanthrene | mg/kg | 0.05 | MCERTS | 9.9 | < 0.05 | - | < 0.05 | < 0.05 |
| Anthracene | mg/kg | 0.05 | MCERTS | 2.8 | < 0.05 | - | < 0.05 | < 0.05 |
| Fluoranthene | mg/kg | 0.05 | MCERTS | 16 | < 0.05 | - | < 0.05 | < 0.05 |
| Pyrene | mg/kg | 0.05 | MCERTS | 16 | < 0.05 | - | < 0.05 | < 0.05 |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | 6.9 | < 0.05 | - | < 0.05 | < 0.05 |
| Chrysene | mg/kg | 0.05 | MCERTS | 5.5 | < 0.05 | - | < 0.05 | < 0.05 |
| Benzo(b)fluoranthene | mg/kg | 0.05 | MCERTS | 6.2 | < 0.05 | - | < 0.05 | < 0.05 |
| Benzo(k)fluoranthene | mg/kg | 0.05 | MCERTS | 3.3 | < 0.05 | - | < 0.05 | < 0.05 |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | 4.4 | < 0.05 | - | < 0.05 | < 0.05 |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | 2.1 | < 0.05 | - | < 0.05 | < 0.05 |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | < 0.05 | < 0.05 | - | < 0.05 | < 0.05 |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | 2.3 | < 0.05 | - | < 0.05 | < 0.05 |

Total PAH

| | | | | | | | | |
|-----------------------------|-------|-----|--------|------|--------|---|--------|--------|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | 78.3 | < 0.80 | - | < 0.80 | < 0.80 |
|-----------------------------|-------|-----|--------|------|--------|---|--------|--------|

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| Lab Sample Number | | | | 2417324 | 2417325 | 2417326 | 2417327 | 2417328 |
|--|-------|--------------------|----------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS113 | WS113 | WS113 | WS115 | WS115 |
| Sample Number | | | | ES2 | ES4 | D10 | ES1 | ES7 |
| Depth (m) | | | | 0.50 | 1.60 | 5.00-5.45 | 0.80 | 3.60 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| Heavy Metals / Metalloids | | | | | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | 62 | 490 | - | 70 | 15 |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | 1.3 | 0.38 | - | 0.84 | 1.1 |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | 1.3 | 0.4 | - | 0.5 | 0.5 |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | < 0.2 | < 0.2 | - | < 0.2 | < 0.2 |
| Chromium (hexavalent) | mg/kg | 1.8 | MCERTS | < 1.8 | < 1.8 | - | < 1.8 | < 1.8 |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | 27 | 6.1 | - | 19 | 33 |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | 69 | 61 | - | 88 | 23 |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | 57 | 91 | - | 27 | 29 |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | < 0.3 | 1 | - | < 0.3 | < 0.3 |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | 31 | 21 | - | 22 | 25 |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | 44 | 17 | - | 33 | 77 |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | 90 | 67 | - | 25 | 62 |
| Magnesium (water soluble) | mg/kg | 5 | NONE | - | - | 35 | - | - |
| Magnesium (leachate equivalent) | mg/l | 2.5 | NONE | - | - | 17 | - | - |
| Monoaromatics & Oxygenates | | | | | | | | |
| Benzene | µg/kg | 1 | MCERTS | - | - | - | - | - |
| Toluene | µg/kg | 1 | MCERTS | - | - | - | - | - |
| Ethylbenzene | µg/kg | 1 | MCERTS | - | - | - | - | - |
| p & m-xylene | µg/kg | 1 | MCERTS | - | - | - | - | - |
| o-xylene | µg/kg | 1 | MCERTS | - | - | - | - | - |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | - | - | - | - | - |
| Petroleum Hydrocarbons | | | | | | | | |
| TPH C10 - C40 _{EH,CU,1D_TOTAL} | mg/kg | 10 | MCERTS | 160 | 84 | - | 250 | < 10 |
| TPH2 (C6 - C10) _{HS,1D_TOTAL} | mg/kg | 0.1 | MCERTS | < 0.1 | < 0.1 | - | < 0.1 | < 0.1 |
| TPH-CWG - Aliphatic >EC5 - EC6 _{HS,1D_AL} | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic >EC6 - EC8 _{HS,1D_AL} | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic >EC8 - EC10 _{HS,1D_AL} | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic >EC10 - EC12 _{EH,CU,1D_AL} | mg/kg | 1 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic >EC12 - EC16 _{EH,CU,1D_AL} | mg/kg | 2 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic >EC16 - EC21 _{EH,CU,1D_AL} | mg/kg | 8 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic >EC21 - EC35 _{EH,CU,1D_AL} | mg/kg | 8 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aliphatic (EC5 - EC35) _{EH,CU+HS,1D_AL} | mg/kg | 10 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC5 - EC7 _{HS,1D_AR} | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC7 - EC8 _{HS,1D_AR} | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC8 - EC10 _{HS,1D_AR} | mg/kg | 0.001 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC10 - EC12 _{EH,CU,1D_AR} | mg/kg | 1 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC12 - EC16 _{EH,CU,1D_AR} | mg/kg | 2 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC16 - EC21 _{EH,CU,1D_AR} | mg/kg | 10 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic >EC21 - EC35 _{EH,CU,1D_AR} | mg/kg | 10 | MCERTS | - | - | - | - | - |
| TPH-CWG - Aromatic (EC5 - EC35) _{EH,CU+HS,1D_AR} | mg/kg | 10 | MCERTS | - | - | - | - | - |

Analytical Report Number: 22-82809
 Project / Site name: Land at Lees Hall Road, Dewsbury
 Your Order No: 203-22-989

| Lab Sample Number | | | | 2417324 | 2417325 | 2417326 | 2417327 | 2417328 |
|---|-------|--------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|
| Sample Reference | | | | WS113 | WS113 | WS113 | WS115 | WS115 |
| Sample Number | | | | ES2 | ES4 | D10 | ES1 | ES7 |
| Depth (m) | | | | 0.50 | 1.60 | 5.00-5.45 | 0.80 | 3.60 |
| Date Sampled | | | | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | | | | | |
| | | | | | | | | |
| PCBs by GC-MS | | | | | | | | |
| PCB Congener 28 | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| PCB Congener 52 | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| PCB Congener 101 | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| PCB Congener 118 | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| PCB Congener 138 | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| PCB Congener 153 | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| PCB Congener 180 | mg/kg | 0.001 | MCERTS | - | - | - | < 0.001 | - |
| Total PCBs by GC-MS | | | | | | | | |
| Total PCBs | mg/kg | 0.007 | MCERTS | - | - | - | < 0.007 | - |

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Your Order No: 203-22-989

| Lab Sample Number | | | | 2417329 |
|--------------------------------------|-------|--------------------|----------------------|---------------|
| Sample Reference | | | | WS115 |
| Sample Number | | | | ES9 |
| Depth (m) | | | | 4.60 |
| Date Sampled | | | | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | |
| Stone Content | % | 0.1 | NONE | < 0.1 |
| Moisture Content | % | 0.01 | NONE | 8.9 |
| Total mass of sample received | kg | 0.001 | NONE | 0.4 |

| | | | | |
|---|------|-------|-----------|-----|
| Asbestos in Soil Screen / Identification Name | Type | N/A | ISO 17025 | - |
| Asbestos in Soil | Type | N/A | ISO 17025 | - |
| Asbestos Quantification (Stage 2) | % | 0.001 | ISO 17025 | - |
| Asbestos Quantification Total | % | 0.001 | ISO 17025 | - |
| Asbestos Analyst ID | N/A | N/A | N/A | N/A |

General Inorganics

| | | | | |
|---|----------|---------|--------|--------|
| pH - Automated | pH Units | N/A | MCERTS | 7.9 |
| Total Cyanide | mg/kg | 1 | MCERTS | - |
| Free Cyanide | mg/kg | 1 | MCERTS | - |
| Total Sulphate as SO4 | mg/kg | 50 | MCERTS | - |
| Total Sulphate as SO4 | % | 0.005 | MCERTS | 0.06 |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | g/l | 0.00125 | MCERTS | 0.11 |
| Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent) | mg/l | 1.25 | MCERTS | 114 |
| Water Soluble Chloride (2:1) (leachate equivalent) | mg/l | 0.5 | MCERTS | 6.2 |
| Total Sulphur | mg/kg | 50 | MCERTS | - |
| Total Sulphur | % | 0.005 | MCERTS | 0.018 |
| Ammoniacal Nitrogen as NH4 | mg/kg | 0.5 | MCERTS | < 0.5 |
| Ammonium as NH4 (10:1 leachate equivalent) | mg/l | 0.05 | MCERTS | < 0.05 |
| Fraction Organic Carbon (FOC) Automated | N/A | 0.001 | MCERTS | - |
| Fraction Organic Carbon (FOC) | N/A | 0.001 | MCERTS | - |
| Water Soluble Nitrate (2:1) as N (leachate equivalent) | mg/l | 2 | NONE | < 2.0 |

Total Phenols

| | | | | |
|----------------------------|-------|---|--------|---|
| Total Phenols (monohydric) | mg/kg | 1 | MCERTS | - |
|----------------------------|-------|---|--------|---|

Speciated PAHs

| | | | | |
|------------------------|-------|------|--------|---|
| Naphthalene | mg/kg | 0.05 | MCERTS | - |
| Acenaphthylene | mg/kg | 0.05 | MCERTS | - |
| Acenaphthene | mg/kg | 0.05 | MCERTS | - |
| Fluorene | mg/kg | 0.05 | MCERTS | - |
| Phenanthrene | mg/kg | 0.05 | MCERTS | - |
| Anthracene | mg/kg | 0.05 | MCERTS | - |
| Fluoranthene | mg/kg | 0.05 | MCERTS | - |
| Pyrene | mg/kg | 0.05 | MCERTS | - |
| Benzo(a)anthracene | mg/kg | 0.05 | MCERTS | - |
| Chrysene | mg/kg | 0.05 | MCERTS | - |
| Benzo(b)fluoranthene | mg/kg | 0.05 | MCERTS | - |
| Benzo(k)fluoranthene | mg/kg | 0.05 | MCERTS | - |
| Benzo(a)pyrene | mg/kg | 0.05 | MCERTS | - |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.05 | MCERTS | - |
| Dibenz(a,h)anthracene | mg/kg | 0.05 | MCERTS | - |
| Benzo(ghi)perylene | mg/kg | 0.05 | MCERTS | - |

Total PAH

| | | | | |
|-----------------------------|-------|-----|--------|---|
| Speciated Total EPA-16 PAHs | mg/kg | 0.8 | MCERTS | - |
|-----------------------------|-------|-----|--------|---|

Analytical Report Number: 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Your Order No: 203-22-989

| Lab Sample Number | | | | 2417329 |
|---|--------------|---------------------------|---------------------------------|---------------|
| Sample Reference | | | | WS115 |
| Sample Number | | | | ES9 |
| Depth (m) | | | | 4.60 |
| Date Sampled | | | | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | |
| Heavy Metals / Metalloids | | | | |
| Arsenic (aqua regia extractable) | mg/kg | 1 | MCERTS | - |
| Beryllium (aqua regia extractable) | mg/kg | 0.06 | MCERTS | - |
| Boron (water soluble) | mg/kg | 0.2 | MCERTS | - |
| Cadmium (aqua regia extractable) | mg/kg | 0.2 | MCERTS | - |
| Chromium (hexavalent) | mg/kg | 1.8 | MCERTS | - |
| Chromium (aqua regia extractable) | mg/kg | 1 | MCERTS | - |
| Copper (aqua regia extractable) | mg/kg | 1 | MCERTS | - |
| Lead (aqua regia extractable) | mg/kg | 1 | MCERTS | - |
| Mercury (aqua regia extractable) | mg/kg | 0.3 | MCERTS | - |
| Nickel (aqua regia extractable) | mg/kg | 1 | MCERTS | - |
| Selenium (aqua regia extractable) | mg/kg | 1 | MCERTS | - |
| Vanadium (aqua regia extractable) | mg/kg | 1 | MCERTS | - |
| Zinc (aqua regia extractable) | mg/kg | 1 | MCERTS | - |

| | | | | |
|---------------------------------|-------|-----|------|----|
| Magnesium (water soluble) | mg/kg | 5 | NONE | 22 |
| Magnesium (leachate equivalent) | mg/l | 2.5 | NONE | 11 |

Monoaromatics & Oxygenates

| | | | | |
|------------------------------------|-------|---|--------|---|
| Benzene | µg/kg | 1 | MCERTS | - |
| Toluene | µg/kg | 1 | MCERTS | - |
| Ethylbenzene | µg/kg | 1 | MCERTS | - |
| p & m-xylene | µg/kg | 1 | MCERTS | - |
| o-xylene | µg/kg | 1 | MCERTS | - |
| MTBE (Methyl Tertiary Butyl Ether) | µg/kg | 1 | MCERTS | - |

Petroleum Hydrocarbons

| | | | | |
|---|-------|----|--------|---|
| TPH C10 - C40 _{EH,CU,ID,TOTAL} | mg/kg | 10 | MCERTS | - |
|---|-------|----|--------|---|

| | | | | |
|--|-------|-----|--------|---|
| TPH2 (C6 - C10) _{HS,ID,TOTAL} | mg/kg | 0.1 | MCERTS | - |
|--|-------|-----|--------|---|

| | | | | |
|--|-------|-------|--------|---|
| TPH-CWG - Aliphatic >EC5 - EC6 _{HS,ID,AL} | mg/kg | 0.001 | MCERTS | - |
| TPH-CWG - Aliphatic >EC6 - EC8 _{HS,ID,AL} | mg/kg | 0.001 | MCERTS | - |
| TPH-CWG - Aliphatic >EC8 - EC10 _{HS,ID,AL} | mg/kg | 0.001 | MCERTS | - |
| TPH-CWG - Aliphatic >EC10 - EC12 _{EH,CU,ID,AL} | mg/kg | 1 | MCERTS | - |
| TPH-CWG - Aliphatic >EC12 - EC16 _{EH,CU,ID,AL} | mg/kg | 2 | MCERTS | - |
| TPH-CWG - Aliphatic >EC16 - EC21 _{EH,CU,ID,AL} | mg/kg | 8 | MCERTS | - |
| TPH-CWG - Aliphatic >EC21 - EC35 _{EH,CU,ID,AL} | mg/kg | 8 | MCERTS | - |
| TPH-CWG - Aliphatic (EC5 - EC35) _{EH,CU+HS,ID,AL} | mg/kg | 10 | MCERTS | - |

| | | | | |
|---|-------|-------|--------|---|
| TPH-CWG - Aromatic >EC5 - EC7 _{HS,ID,AR} | mg/kg | 0.001 | MCERTS | - |
| TPH-CWG - Aromatic >EC7 - EC8 _{HS,ID,AR} | mg/kg | 0.001 | MCERTS | - |
| TPH-CWG - Aromatic >EC8 - EC10 _{HS,ID,AR} | mg/kg | 0.001 | MCERTS | - |
| TPH-CWG - Aromatic >EC10 - EC12 _{EH,CU,ID,AR} | mg/kg | 1 | MCERTS | - |
| TPH-CWG - Aromatic >EC12 - EC16 _{EH,CU,ID,AR} | mg/kg | 2 | MCERTS | - |
| TPH-CWG - Aromatic >EC16 - EC21 _{EH,CU,ID,AR} | mg/kg | 10 | MCERTS | - |
| TPH-CWG - Aromatic >EC21 - EC35 _{EH,CU,ID,AR} | mg/kg | 10 | MCERTS | - |
| TPH-CWG - Aromatic (EC5 - EC35) _{EH,CU+HS,ID,AR} | mg/kg | 10 | MCERTS | - |

Analytical Report Number: 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Your Order No: 203-22-989

| Lab Sample Number | | | | 2417329 |
|---|-------|--------------------|-------------------------|---------------|
| Sample Reference | | | | WS115 |
| Sample Number | | | | ES9 |
| Depth (m) | | | | 4.60 |
| Date Sampled | | | | 23/08/2022 |
| Time Taken | | | | None Supplied |
| Analytical Parameter (Soil Analysis) | Units | Limit of detection | Accreditation Status | |
| PCBs by GC-MS | | | | |
| PCB Congener 28 | mg/kg | 0.001 | MCERTS | - |
| PCB Congener 52 | mg/kg | 0.001 | MCERTS | - |
| PCB Congener 101 | mg/kg | 0.001 | MCERTS | - |
| PCB Congener 118 | mg/kg | 0.001 | MCERTS | - |
| PCB Congener 138 | mg/kg | 0.001 | MCERTS | - |
| PCB Congener 153 | mg/kg | 0.001 | MCERTS | - |
| PCB Congener 180 | mg/kg | 0.001 | MCERTS | - |

Total PCBs by GC-MS

| | | | | |
|------------|-------|-------|--------|---|
| Total PCBs | mg/kg | 0.007 | MCERTS | - |
|------------|-------|-------|--------|---|

U/S = Unsuitable Sample I/S = Insufficient Sample



Analytical Report Number: 22-82809
Project / Site name: Land at Lees Hall Road, Dewsbury
Your Order No: 203-22-989

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006-PL based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

| Sample Number | Sample ID | Sample Depth (m) | Sample Weight (g) | Asbestos Containing Material Types Detected (ACM) | PLM Results | Asbestos by hand picking/weighing (%) | Total % Asbestos in Sample |
|---------------|-----------|------------------|-------------------|---|-------------|---------------------------------------|----------------------------|
| 2417322 | WS112 | 0.80 | 118 | Loose Fibres | Chrysotile | < 0.001 | < 0.001 |

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.



4041



Environmental Science

Analytical Report Number: 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Your Order No: 203-22-989

| Lab Sample Number | 2417330 | 2417331 | 2417332 | 2417333 | 2417334 |
|--|---------------|--------------------|----------------------|---------------|---------------|
| Sample Reference | WS101 | WS103 | WS104 | WS106 | WS108 |
| Sample Number | ES7 | ES1 | ES1 | ES | ES1 |
| Depth (m) | 2.60 | 0.15 | 0.50 | 4.60 | 0.80 |
| Date Sampled | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 | 23/08/2022 |
| Time Taken | None Supplied | None Supplied | None Supplied | None Supplied | None Supplied |
| Analytical Parameter (Leachate Analysis) | Units | Limit of detection | Accreditation Status | | |

General Inorganics

| | pH Units | N/A | ISO 17025 | 2417330 | 2417331 | 2417332 | 2417333 | 2417334 |
|----------------------------------|----------|-----|-----------|---------|---------|---------|---------|---------|
| pH (automated) | | | | 6.1 | 7.9 | 7.3 | 4.8 | 9.0 |
| Total Cyanide (Low Level 1 µg/l) | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Free Cyanide (Low Level 1 µg/l) | µg/l | 1 | ISO 17025 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Dissolved Organic Carbon (DOC) | mg/l | 0.1 | NONE | 3.36 | 10.5 | 9.79 | 2.94 | 3.66 |

Heavy Metals / Metalloids

| | µg/l | 1 | ISO 17025 | 2417330 | 2417331 | 2417332 | 2417333 | 2417334 |
|-----------------------|------|------|-----------|---------|---------|---------|---------|---------|
| Arsenic (dissolved) | µg/l | 1 | ISO 17025 | < 1.0 | 6.3 | < 1.0 | < 1.0 | 6.8 |
| Beryllium (dissolved) | µg/l | 0.2 | ISO 17025 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| Boron (dissolved) | µg/l | 10 | ISO 17025 | < 10 | 28 | < 10 | < 10 | < 10 |
| Cadmium (dissolved) | µg/l | 0.08 | ISO 17025 | < 0.08 | < 0.08 | < 0.08 | 0.75 | < 0.08 |
| Chromium (hexavalent) | µg/l | 5 | ISO 17025 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Chromium (dissolved) | µg/l | 0.4 | ISO 17025 | 1.2 | 4.6 | 1.1 | 1 | 0.7 |
| Copper (dissolved) | µg/l | 0.7 | ISO 17025 | 3.8 | 22 | 5 | 28 | 6.3 |
| Lead (dissolved) | µg/l | 1 | ISO 17025 | < 1.0 | 3 | < 1.0 | < 1.0 | < 1.0 |
| Mercury (dissolved) | µg/l | 0.5 | ISO 17025 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 |
| Nickel (dissolved) | µg/l | 0.3 | ISO 17025 | < 0.3 | 2.2 | 2.2 | 15 | 1.6 |
| Selenium (dissolved) | µg/l | 4 | ISO 17025 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 |
| Vanadium (dissolved) | µg/l | 1.7 | ISO 17025 | 4.1 | 6.5 | < 1.7 | 5 | 4.4 |
| Zinc (dissolved) | µg/l | 0.4 | ISO 17025 | 12 | 15 | 11 | 48 | 34 |

| | mg/l | 0.012 | ISO 17025 | 2417330 | 2417331 | 2417332 | 2417333 | 2417334 |
|---------------------|------|-------|-----------|---------|---------|---------|---------|---------|
| Calcium (dissolved) | | | | 1.7 | 15 | 6 | 500 | 8.2 |

U/S = Unsuitable Sample I/S = Insufficient Sample



4041



Environmental Science

Analytical Report Number: 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Your Order No: 203-22-989

| Lab Sample Number | 2417335 | | | 2417336 | | | 2417337 | | |
|---|---------------|--------------------|----------------------|---------------|--|--|---------------|--|--|
| Sample Reference | WS111 | | | WS112 | | | WS115 | | |
| Sample Number | ES2 | | | ES7 | | | ES1 | | |
| Depth (m) | 0.90 | | | 0.80 | | | 0.80 | | |
| Date Sampled | 23/08/2022 | | | 23/08/2022 | | | 23/08/2022 | | |
| Time Taken | None Supplied | | | None Supplied | | | None Supplied | | |
| Analytical Parameter (Leachate Analysis) | Units | Limit of detection | Accreditation Status | | | | | | |
| | | | | | | | | | |

General Inorganics

| Parameter | Units | Limit of detection | Accreditation Status | 2417335 | 2417336 | 2417337 |
|----------------------------------|----------|--------------------|----------------------|---------|---------|---------|
| pH (automated) | pH Units | N/A | ISO 17025 | 7.1 | 6.9 | 5.2 |
| Total Cyanide (Low Level 1 µg/l) | µg/l | 1 | ISO 17025 | < 1.0 | < 1.0 | < 1.0 |
| Free Cyanide (Low Level 1 µg/l) | µg/l | 1 | ISO 17025 | < 1 | < 1 | < 1 |
| Dissolved Organic Carbon (DOC) | mg/l | 0.1 | NONE | 3.57 | 5.87 | 3.7 |

Heavy Metals / Metalloids

| Parameter | Units | Limit of detection | Accreditation Status | 2417335 | 2417336 | 2417337 |
|-----------------------|-------|--------------------|----------------------|---------|---------|---------|
| Arsenic (dissolved) | µg/l | 1 | ISO 17025 | < 1.0 | 2.6 | < 1.0 |
| Beryllium (dissolved) | µg/l | 0.2 | ISO 17025 | < 0.2 | < 0.2 | < 0.2 |
| Boron (dissolved) | µg/l | 10 | ISO 17025 | < 10 | 19 | < 10 |
| Cadmium (dissolved) | µg/l | 0.08 | ISO 17025 | < 0.08 | < 0.08 | < 0.08 |
| Chromium (hexavalent) | µg/l | 5 | ISO 17025 | < 5.0 | < 5.0 | < 5.0 |
| Chromium (dissolved) | µg/l | 0.4 | ISO 17025 | 1.2 | 1.1 | 0.6 |
| Copper (dissolved) | µg/l | 0.7 | ISO 17025 | 6 | 11 | 36 |
| Lead (dissolved) | µg/l | 1 | ISO 17025 | < 1.0 | 1.7 | < 1.0 |
| Mercury (dissolved) | µg/l | 0.5 | ISO 17025 | < 0.5 | < 0.5 | < 0.5 |
| Nickel (dissolved) | µg/l | 0.3 | ISO 17025 | 1.3 | 2.1 | 19 |
| Selenium (dissolved) | µg/l | 4 | ISO 17025 | < 4.0 | < 4.0 | < 4.0 |
| Vanadium (dissolved) | µg/l | 1.7 | ISO 17025 | 3.2 | 4.8 | 2.5 |
| Zinc (dissolved) | µg/l | 0.4 | ISO 17025 | 58 | 15 | 52 |

| | | | | | | |
|---------------------|------|-------|-----------|----|----|-----|
| Calcium (dissolved) | mg/l | 0.012 | ISO 17025 | 37 | 10 | 150 |
|---------------------|------|-------|-----------|----|----|-----|

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number : 22-82809
Project / Site name: Land at Lees Hall Road, Dewsbury

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

| Lab Sample Number | Sample Reference | Sample Number | Depth (m) | Sample Description * |
|-------------------|------------------|---------------|-----------|---|
| 2417299 | WS101 | ES1 | 0.8 | Brown loam and sand with gravel. |
| 2417300 | WS101 | ES7 | 2.6 | Brown loam and sand with gravel. |
| 2417301 | WS101 | ES10 | 4.6 | Brown loam and sand with gravel. |
| 2417302 | WS103 | ES1 | 0.15 | Brown clay and loam with gravel. |
| 2417303 | WS103 | ES3 | 0.8 | Brown loam and sand with gravel. |
| 2417304 | WS103 | ES10 | 3.6 | Brown loam and sand with gravel. |
| 2417305 | WS104 | ES1 | 0.5 | Brown clay and loam with gravel. |
| 2417306 | WS104 | ES3 | 1.6 | Brown loam and sand with gravel. |
| 2417307 | WS105 | ES3 | 0.8 | Brown loam and sand with gravel. |
| 2417308 | WS105 | ES7 | 2.6 | Brown loam and sand with gravel. |
| 2417309 | WS105 | D10 | 3.8 | Brown loam and sand with gravel and vegetation. |
| 2417310 | WS106 | ES1 | 0.2 | Brown loam and sand with gravel and vegetation. |
| 2417311 | WS106 | ES | 4.6 | Brown loam and sand with gravel. |
| 2417312 | WS107 | ES2 | 0.7 | Brown clay and loam with gravel. |
| 2417313 | WS107 | ES8 | 3.6 | Brown loam and sand with gravel. |
| 2417314 | WS108 | ES1 | 0.8 | Brown clay and sand with gravel. |
| 2417315 | WS108 | ES2 | 1.6 | Brown clay and loam with gravel. |
| 2417316 | WS109 | ES2 | 0.8 | Brown loam and sand with gravel and brick. |
| 2417317 | WS110 | ES1 | 0.8 | Brown clay and loam with gravel. |
| 2417318 | WS110 | ES3 | 1.6 | Brown clay with gravel. |
| 2417319 | WS111 | ES2 | 0.9 | Brown loam and sand with gravel. |
| 2417320 | WS111 | ES9 | 3.6 | Brown loam and sand with gravel and vegetation. |
| 2417321 | WS112 | ES1 | 0.2 | Brown loam and sand with gravel and vegetation. |
| 2417322 | WS112 | ES7 | 0.8 | Brown loam and sand with gravel and vegetation. |
| 2417323 | WS112 | D12 | 4.00-4.45 | Brown clay and sand. |
| 2417324 | WS113 | ES2 | 0.5 | Brown silt with vegetation. |
| 2417325 | WS113 | ES4 | 1.6 | Brown loam and sand with vegetation. |
| 2417326 | WS113 | D10 | 5.00-5.45 | Brown clay and sand with vegetation. |
| 2417327 | WS115 | ES1 | 0.8 | Brown clay and sand with vegetation. |
| 2417328 | WS115 | ES7 | 3.6 | Brown clay and sand with vegetation. |
| 2417329 | WS115 | ES9 | 4.6 | Brown clay and sand with vegetation. |

Analytical Report Number : 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

| Analytical Test Name | Analytical Method Description | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|--|---|---|---------------|--------------------|----------------------|
| Sulphate, water soluble, in soil (16hr extraction) | Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent). | In house method. | L038-PL | D | MCERTS |
| Metals in soil by ICP-OES | Determination of metals in soil by aqua-regia digestion followed by ICP-OES. | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil. | L038-PL | D | MCERTS |
| NRA Leachate Prep | 10:1 extract with de-ionised water shaken for 24 hours then filtered. | In-house method based on National Rivers Authority | L020-PL | W | NONE |
| Asbestos identification in soil | Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques. | In house method based on HSG 248 | A001-PL | D | ISO 17025 |
| Metals by ICP-OES in leachate | Determination of metals in leachate by acidification followed by ICP-OES. | In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil. | L039-PL | W | ISO 17025 |
| Boron in leachate | Determination of boron in leachate. Sample acidified and followed by ICP-OES. | In-house method based on MEWAM | L039-PL | W | ISO 17025 |
| Boron, water soluble, in soil | Determination of water soluble boron in soil by hot water extract followed by ICP-OES. | In-house method based on Second Site Properties version 3 | L038-PL | D | MCERTS |
| Hexavalent chromium in leachate | Determination of hexavalent chromium in leachate by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry. | In-house method | L080-PL | W | ISO 17025 |
| Free cyanide in soil | Determination of free cyanide by distillation followed by colorimetry. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar) | L080-PL | W | MCERTS |
| Fraction of Organic Carbon in soil | Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate. | In house method. | L023 | D | MCERTS |
| Magnesium, water soluble, in soil | Determination of water soluble magnesium by extraction with water followed by ICP-OES. | In-house method based on TRL 447 | L038-PL | D | NONE |
| Moisture Content | Moisture content, determined gravimetrically. (30 oC) | In house method. | L019-UK/PL | W | NONE |
| Monohydric phenols in soil | Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar) | L080-PL | W | MCERTS |
| Speciated EPA-16 PAHs in soil | Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards. | In-house method based on USEPA 8270 | L064-PL | D | MCERTS |
| PCB's By GC-MS in soil | Determination of PCB by extraction with acetone and hexane followed by GC-MS. | In-house method based on USEPA 8082 | L027-PL | D | MCERTS |
| pH in soil (automated) | Determination of pH in soil by addition of water followed by automated electrometric measurement. | In house method. | L099-PL | D | MCERTS |
| pH at 20oC in leachate (automated) | Determination of pH in leachate by electrometric measurement. | In house method. | L099B | W | ISO 17025 |

Analytical Report Number : 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

| Analytical Test Name | Analytical Method Description | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|---|---|---|---------------|--------------------|----------------------|
| Total sulphate (as SO ₄ in soil) | Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES. | In house method. | L038-PL | D | MCERTS |
| Stones content of soil | Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight. | In-house method based on British Standard Methods and MCERTS requirements. | L019-UK/PL | D | NONE |
| Total Sulphur in soil | Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES. | In house method. | L038-PL | D | MCERTS |
| TPH ₂ (Soil) | Determination of hydrocarbons C ₆ -C ₁₀ by headspace GC-MS. | In-house method based on USEPA8260 | L088-PL | W | MCERTS |
| Total cyanide in soil | Determination of total cyanide by distillation followed by colorimetry. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar) | L080-PL | W | MCERTS |
| Dissolved Organic Carbon in leachate | Determination of dissolved organic carbon in leachate by the measurement on a non-dispersive infrared analyser of carbon dioxide released by acidification. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L037-PL | W | NONE |
| BTEX and MTBE in soil (Monoaromatics) | Determination of BTEX in soil by headspace GC-MS. | In-house method based on USEPA8260 | L073B-PL | W | MCERTS |
| Ammonium as NH ₄ in soil | Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L082-PL | W | MCERTS |
| TPH Chromatogram in Soil | TPH Chromatogram in Soil. | In-house method | L064-PL | D | NONE |
| TPHCWG (Soil) | Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID. | In-house method with silica gel split/clean up. | L088/76-PL | W | MCERTS |
| TPH Banding in Soil by FID | Determination of hexane extractable hydrocarbons in soil by GC-FID. | In-house method, TPH with carbon banding and silica gel split/cleanup. | L076-PL | D | MCERTS |
| Free cyanide in leachate | Determination of free cyanide by distillation followed by colorimetry. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar) | L080-PL | W | ISO 17025 |
| Total cyanide in leachate - 1µg/l | Determination of total cyanide by distillation followed by colorimetry. | In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton | L080-PL | W | ISO 17025 |
| Asbestos Quantification - Gravimetric | Asbestos quantification by gravimetric method - in house method based on references. | HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft). | A006-PL | D | ISO 17025 |
| Fraction Organic Carbon FOC Automated | Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate. | In house method | L009 | D | MCERTS |
| Hexavalent chromium in soil | Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry. | In-house method | L080-PL | W | MCERTS |
| Total Sulphate in soil as % | Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES. | In house method. | L038-PL | D | MCERTS |

Analytical Report Number : 22-82809

Project / Site name: Land at Lees Hall Road, Dewsbury

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

| Analytical Test Name | Analytical Method Description | Analytical Method Reference | Method number | Wet / Dry Analysis | Accreditation Status |
|--|---|---|---------------|--------------------|----------------------|
| Total Sulphur in soil as % | Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES. | In house method. | L038-PL | D | MCERTS |
| Water Soluble Nitrate (2:1) as N in soil | Determination of nitrate by reaction with sodium salicylate and colorimetry. | In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction. | L078-PL | W | NONE |
| Chloride, water soluble, in soil | Determination of Chloride colorimetrically by discrete analyser. | In house method. | L082-PL | D | MCERTS |
| Sulphate, water soluble, in soil | Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent). | In house method. | L038-PL | D | MCERTS |

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

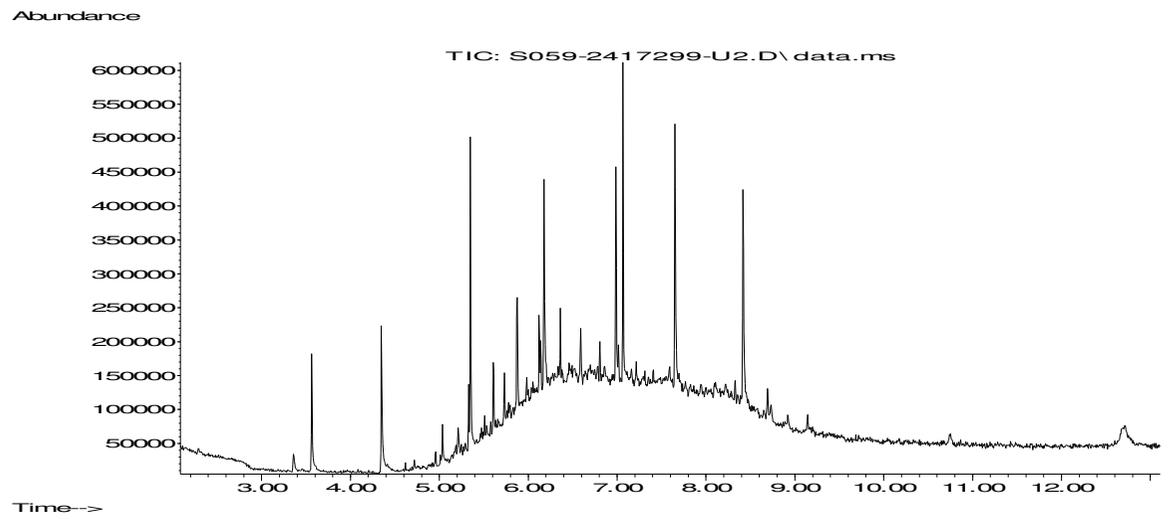
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

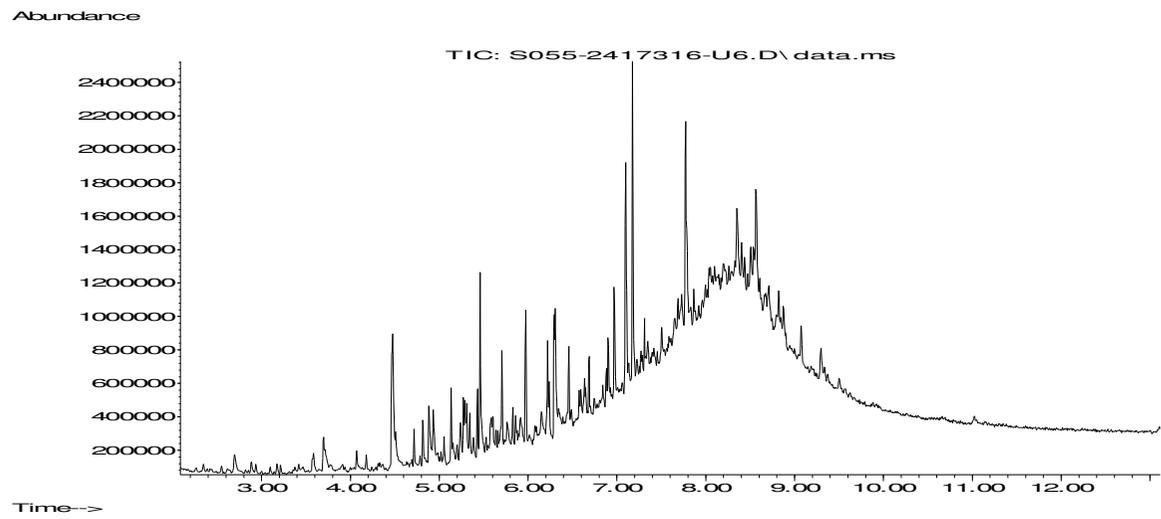
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

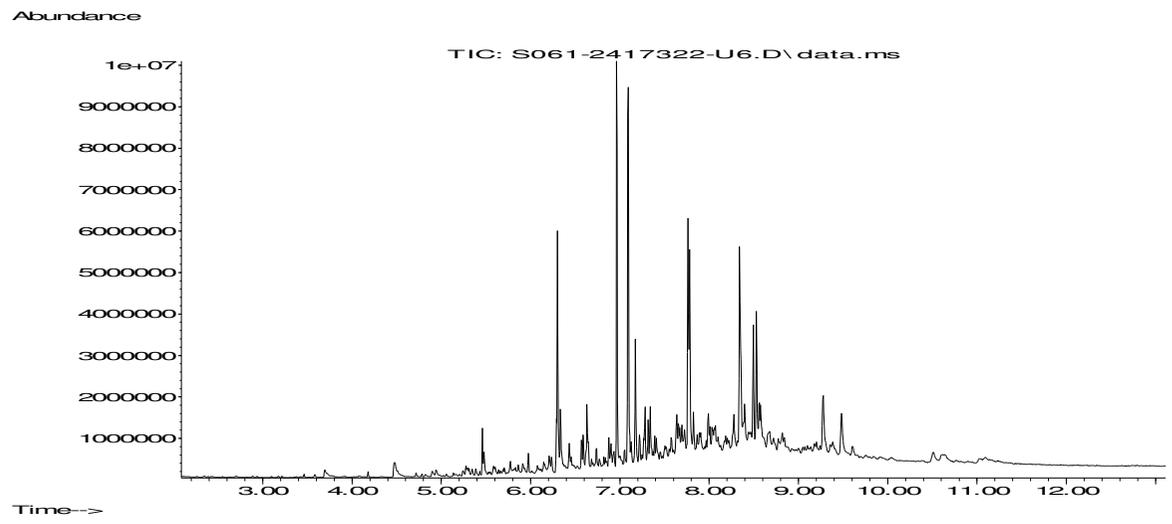
Information in Support of Analytical Results

List of HWOL Acronyms and Operators

| Acronym | Descriptions |
|---------|--|
| HS | Headspace Analysis |
| MS | Mass spectrometry |
| FID | Flame Ionisation Detector |
| GC | Gas Chromatography |
| EH | Extractable Hydrocarbons (i.e. everything extracted by the solvent(s)) |
| CU | Clean-up - e.g. by Florisil®, silica gel |
| 1D | GC - Single coil/column gas chromatography |
| 2D | GC-GC - Double coil/column gas chromatography |
| Total | Aliphatics & Aromatics |
| AL | Aliphatics |
| AR | Aromatics |
| #1 | EH_2D_Total but with humics mathematically subtracted |
| #2 | EH_2D_Total but with fatty acids mathematically subtracted |
| _ | Operator - understore to separate acronyms (exception for +) |
| + | Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total |









APPENDIX VI
GEOTECHNICAL LABORATORY TEST RESULTS



**PARTICLE SIZE DISTRIBUTION
BS 1377 Part 2:1990
Wet Sieve, Clause 9.2**

Contract Number 61304

Borehole/Pit No. WS101

Site Name Land at Lees Hall Road, Dewsbury

Sample No. ES2

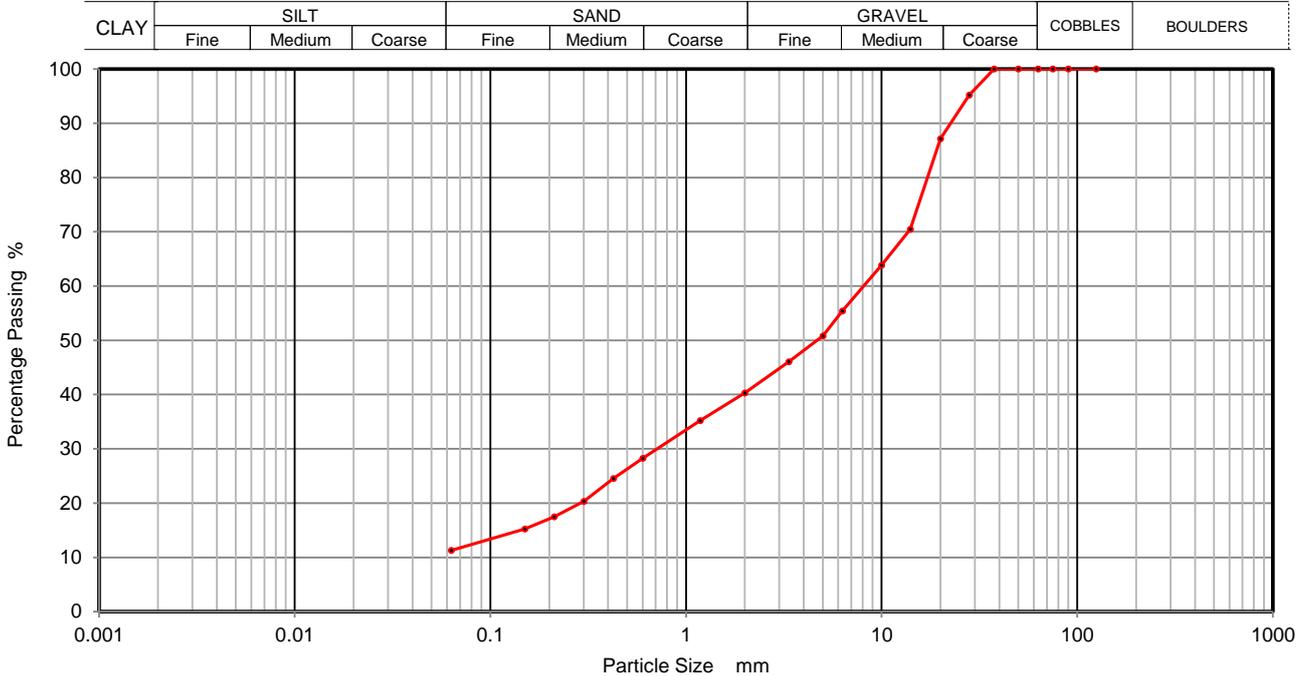
Soil Description Brown silty/clayey fine to coarse sandy fine to coarse GRAVEL

Depth Top 1.10

Depth Base

Date Tested 21/09/2022

Sample Type D



| Sieving | | Sedimentation | |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | | |
| 90 | 100 | | |
| 75 | 100 | | |
| 63 | 100 | | |
| 50 | 100 | | |
| 37.5 | 100 | | |
| 28 | 95 | | |
| 20 | 87 | | |
| 14 | 70 | | |
| 10 | 64 | | |
| 6.3 | 55 | | |
| 5 | 51 | | |
| 3.35 | 46 | | |
| 2 | 40 | | |
| 1.18 | 35 | | |
| 0.6 | 28 | | |
| 0.425 | 25 | | |
| 0.3 | 20 | | |
| 0.212 | 17 | | |
| 0.15 | 15 | | |
| 0.063 | 11 | | |

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles | 0 |
| Gravel | 60 |
| Sand | 29 |
| Silt and Clay | 11 |
| | |
| | |

Remarks
Preparation and testing in accordance with BS1377 unless noted below

Operator
David Edwards



2788



**PARTICLE SIZE DISTRIBUTION
BS 1377 Part 2:1990
Wet Sieve, Clause 9.2**

Contract Number 61304

Borehole/Pit No. WS103

Site Name Land at Lees Hall Road, Dewsbury

Sample No. ES2

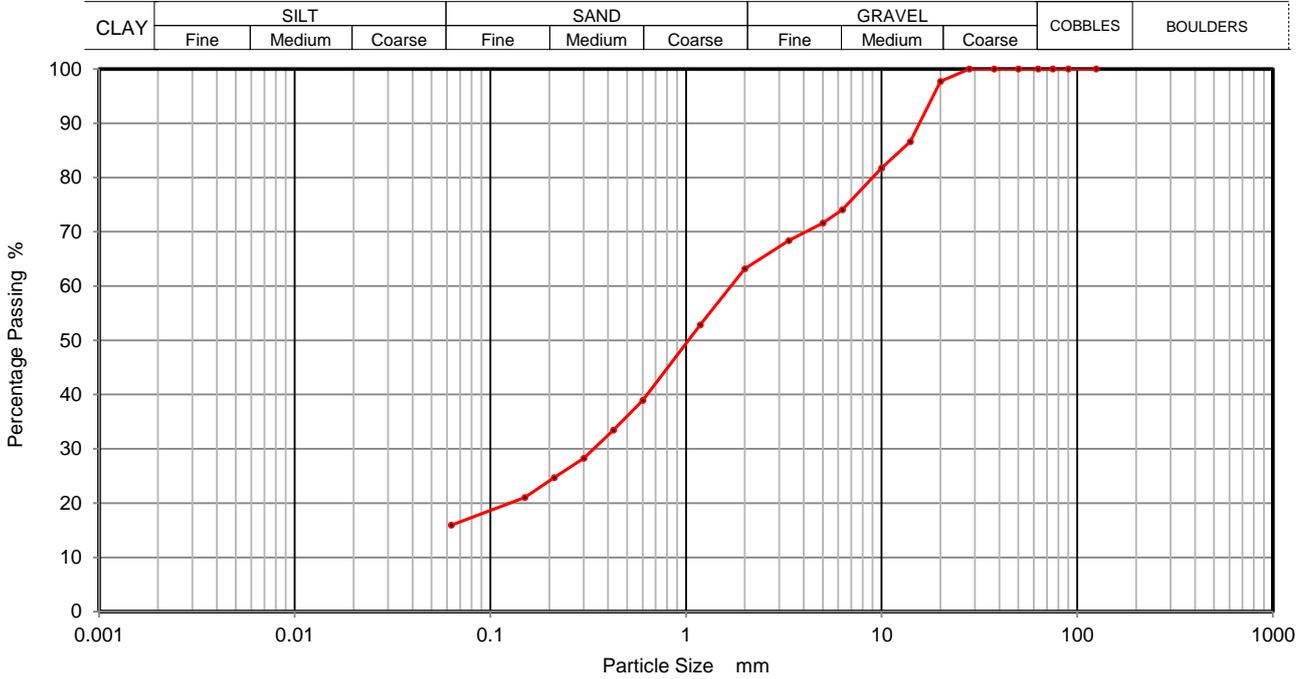
Soil Description Brown silty/clayey fine to coarse gravelly fine to coarse SAND

Depth Top 0.50

Depth Base

Date Tested 21/09/2022

Sample Type D



| Sieving | | Sedimentation | |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | | |
| 90 | 100 | | |
| 75 | 100 | | |
| 63 | 100 | | |
| 50 | 100 | | |
| 37.5 | 100 | | |
| 28 | 100 | | |
| 20 | 98 | | |
| 14 | 87 | | |
| 10 | 82 | | |
| 6.3 | 74 | | |
| 5 | 72 | | |
| 3.35 | 68 | | |
| 2 | 63 | | |
| 1.18 | 53 | | |
| 0.6 | 39 | | |
| 0.425 | 33 | | |
| 0.3 | 28 | | |
| 0.212 | 25 | | |
| 0.15 | 21 | | |
| 0.063 | 16 | | |

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles | 0 |
| Gravel | 37 |
| Sand | 47 |
| Silt and Clay | 16 |
| | |
| | |

Remarks
Preparation and testing in accordance with BS1377 unless noted below

Operator
David Edwards



2788



**PARTICLE SIZE DISTRIBUTION
BS 1377 Part 2:1990
Wet Sieve, Clause 9.2**

Contract Number 61304

Borehole/Pit No. WS105

Site Name Land at Lees Hall Road, Dewsbury

Sample No. ES2

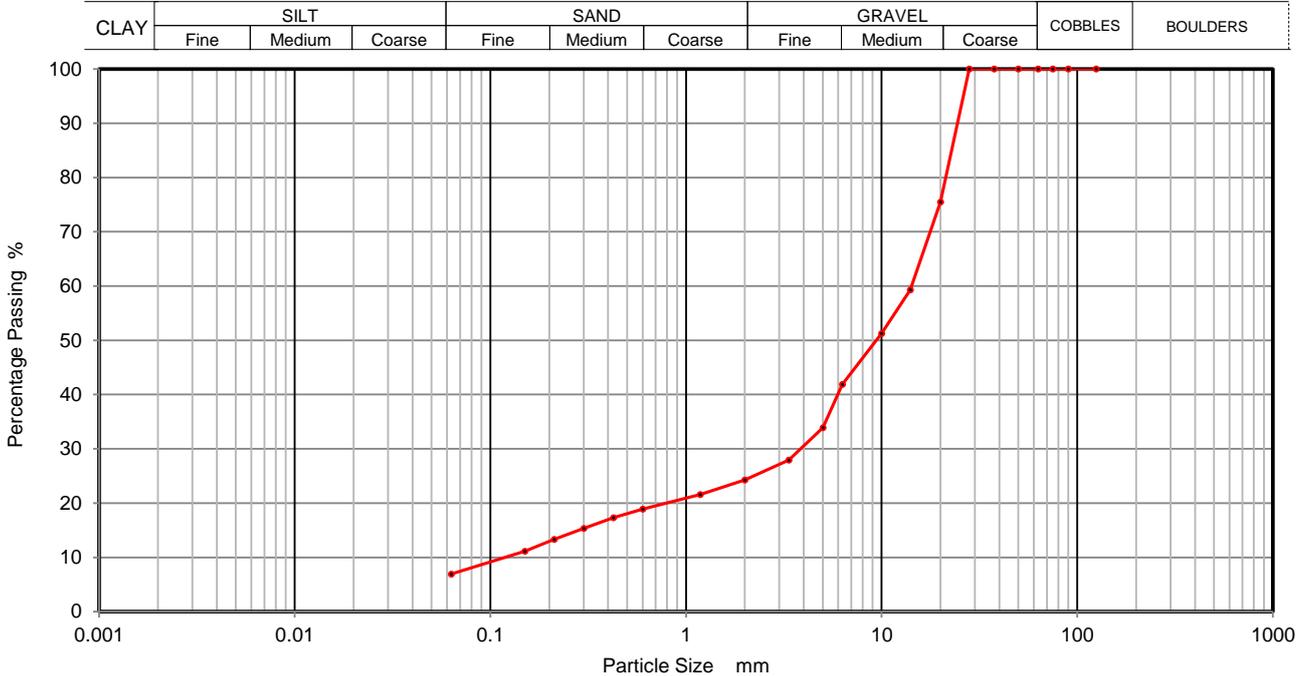
Soil Description Brown silty/clayey fine to coarse sandy fine to coarse GRAVEL

Depth Top 1.60

Depth Base

Date Tested 21/09/2022

Sample Type D



| Sieving | | Sedimentation | |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | | |
| 90 | 100 | | |
| 75 | 100 | | |
| 63 | 100 | | |
| 50 | 100 | | |
| 37.5 | 100 | | |
| 28 | 100 | | |
| 20 | 75 | | |
| 14 | 59 | | |
| 10 | 51 | | |
| 6.3 | 42 | | |
| 5 | 34 | | |
| 3.35 | 28 | | |
| 2 | 24 | | |
| 1.18 | 22 | | |
| 0.6 | 19 | | |
| 0.425 | 17 | | |
| 0.3 | 15 | | |
| 0.212 | 13 | | |
| 0.15 | 11 | | |
| 0.063 | 7 | | |

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles | 0 |
| Gravel | 76 |
| Sand | 17 |
| Silt and Clay | 7 |
| | |
| | |

Remarks
Preparation and testing in accordance with BS1377 unless noted below

Operator
David Edwards





PARTICLE SIZE DISTRIBUTION
BS 1377 Part 2:1990
Wet Sieve, Clause 9.2

Contract Number 61304

Borehole/Pit No. WS107

Site Name Land at Lees Hall Road, Dewsbury

Sample No. D4

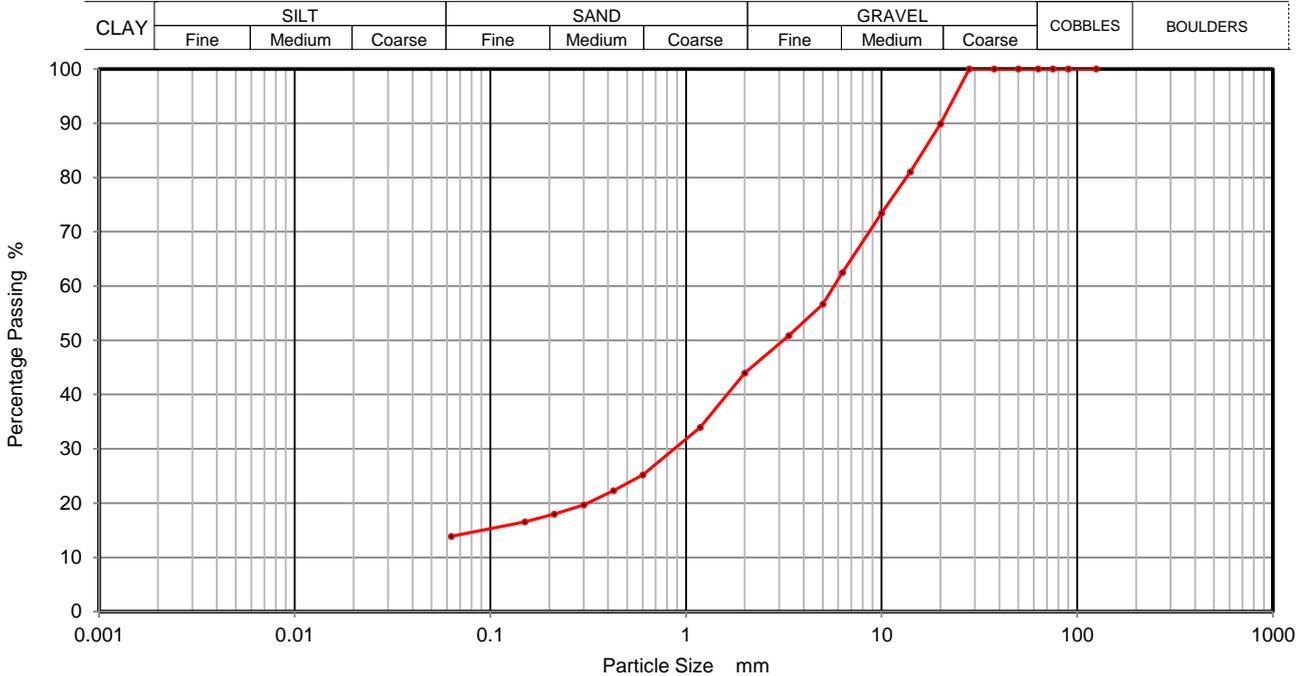
Soil Description Brown silty/clayey fine to coarse sandy fine to coarse GRAVEL

Depth Top 1.60

Depth Base

Date Tested 21/09/2022

Sample Type D



| Sieving | | Sedimentation | |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | | |
| 90 | 100 | | |
| 75 | 100 | | |
| 63 | 100 | | |
| 50 | 100 | | |
| 37.5 | 100 | | |
| 28 | 100 | | |
| 20 | 90 | | |
| 14 | 81 | | |
| 10 | 73 | | |
| 6.3 | 62 | | |
| 5 | 57 | | |
| 3.35 | 51 | | |
| 2 | 44 | | |
| 1.18 | 34 | | |
| 0.6 | 25 | | |
| 0.425 | 22 | | |
| 0.3 | 20 | | |
| 0.212 | 18 | | |
| 0.15 | 17 | | |
| 0.063 | 14 | | |

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles | 0 |
| Gravel | 56 |
| Sand | 30 |
| Silt and Clay | 14 |
| | |
| | |

Remarks
 Preparation and testing in accordance with BS1377 unless noted below

Operator
 David Edwards



2788



**PARTICLE SIZE DISTRIBUTION
BS 1377 Part 2:1990
Wet Sieve, Clause 9.2**

Contract Number 61304

Borehole/Pit No. WS109

Site Name Land at Lees Hall Road, Dewsbury

Sample No. ES4

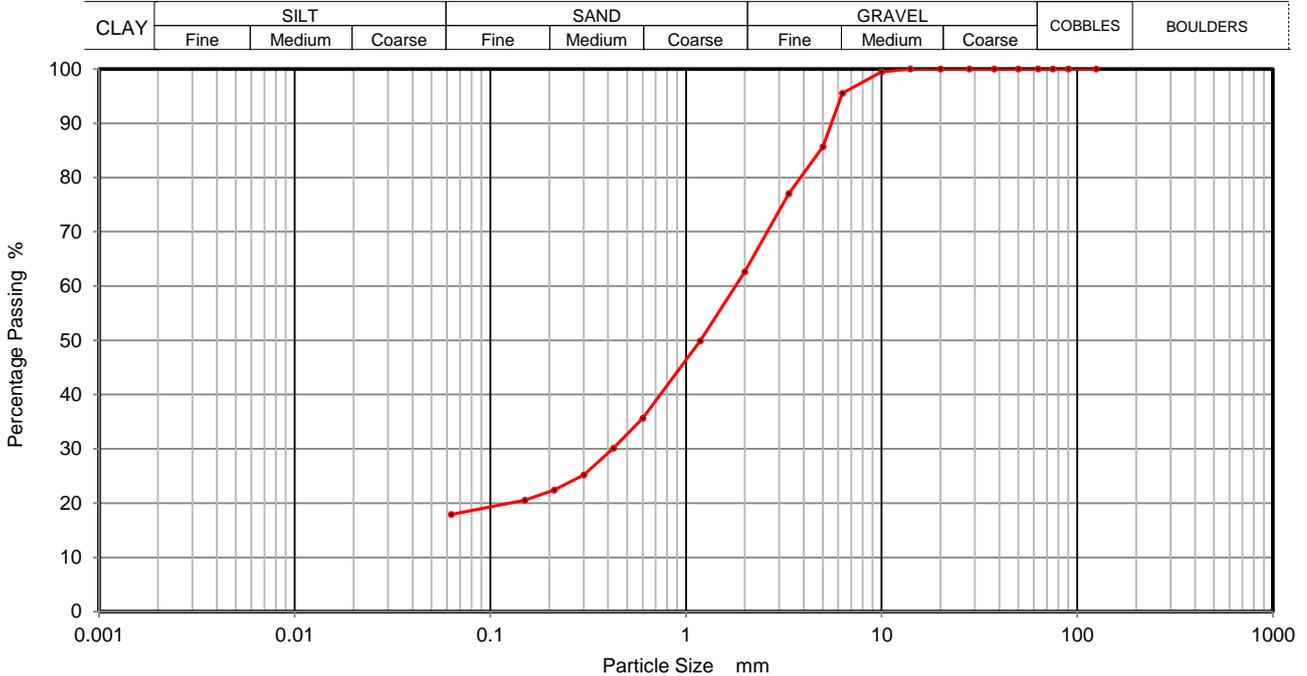
Soil Description Brown silty/clayey fine to medium gravelly fine to coarse SAND

Depth Top 1.60

Depth Base

Date Tested 21/09/2022

Sample Type D



| Sieving | | Sedimentation | |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | | |
| 90 | 100 | | |
| 75 | 100 | | |
| 63 | 100 | | |
| 50 | 100 | | |
| 37.5 | 100 | | |
| 28 | 100 | | |
| 20 | 100 | | |
| 14 | 100 | | |
| 10 | 99 | | |
| 6.3 | 96 | | |
| 5 | 86 | | |
| 3.35 | 77 | | |
| 2 | 63 | | |
| 1.18 | 50 | | |
| 0.6 | 36 | | |
| 0.425 | 30 | | |
| 0.3 | 25 | | |
| 0.212 | 22 | | |
| 0.15 | 21 | | |
| 0.063 | 18 | | |

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles | 0 |
| Gravel | 37 |
| Sand | 45 |
| Silt and Clay | 18 |
| | |
| | |

Remarks
Preparation and testing in accordance with BS1377 unless noted below

Operator
David Edwards



2788



**PARTICLE SIZE DISTRIBUTION
BS 1377 Part 2:1990
Wet Sieve, Clause 9.2**

Contract Number 61304

Borehole/Pit No. WS111

Site Name Land at Lees Hall Road, Dewsbury

Sample No. ES4

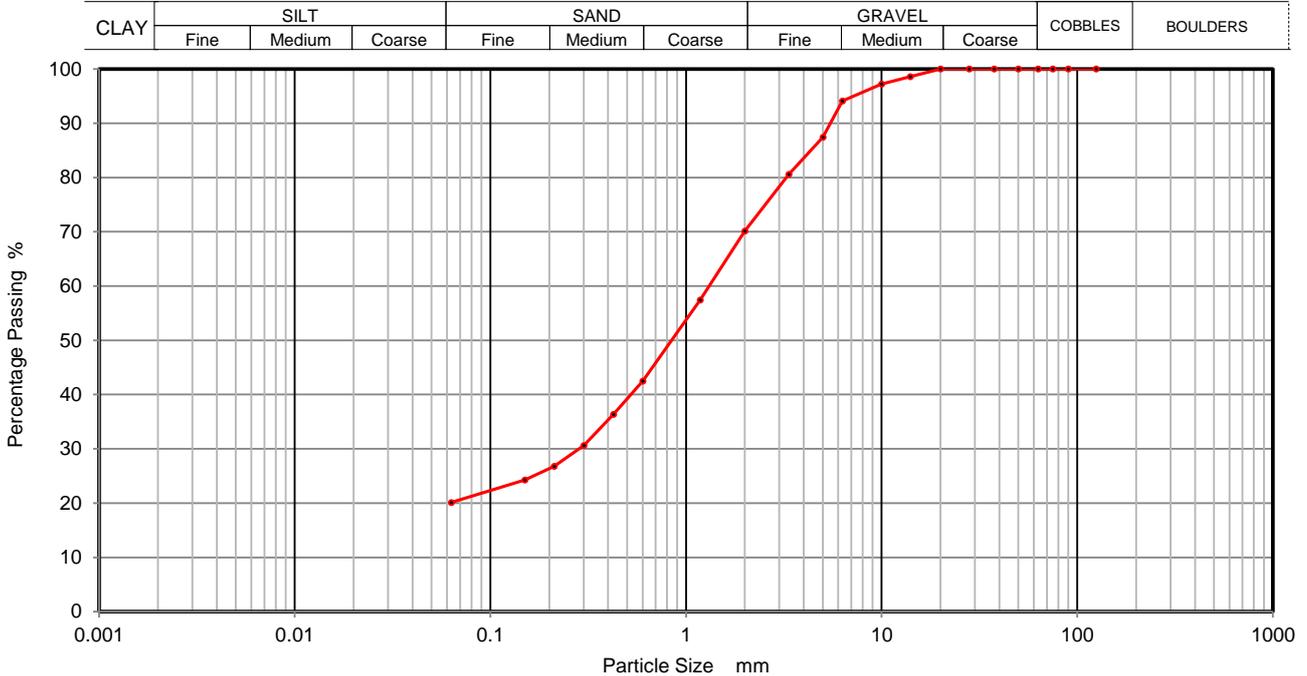
Soil Description Brown/black silty/clayey fine to medium gravelly fine to coarse SAND

Depth Top 1.60

Depth Base

Date Tested 21/09/2022

Sample Type D



| Sieving | | Sedimentation | |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125 | 100 | | |
| 90 | 100 | | |
| 75 | 100 | | |
| 63 | 100 | | |
| 50 | 100 | | |
| 37.5 | 100 | | |
| 28 | 100 | | |
| 20 | 100 | | |
| 14 | 99 | | |
| 10 | 97 | | |
| 6.3 | 94 | | |
| 5 | 87 | | |
| 3.35 | 81 | | |
| 2 | 70 | | |
| 1.18 | 57 | | |
| 0.6 | 43 | | |
| 0.425 | 36 | | |
| 0.3 | 31 | | |
| 0.212 | 27 | | |
| 0.15 | 24 | | |
| 0.063 | 20 | | |

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles | 0 |
| Gravel | 30 |
| Sand | 50 |
| Silt and Clay | 20 |
| | |
| | |

Remarks
Preparation and testing in accordance with BS1377 unless noted below

Operator
David Edwards



2788



APPENDIX VII
QUALITATIVE RISK ASSESSMENT

STEP 2: BASIC SETTINGS

Apply Settings to Model

Back to Guide

SELECT LAND USE Residential with produce

RATIO MODE

LAND USE OPTIONS

RECEPTOR Female (res)

BUILDING Semi-detached house

SOIL TYPE Sand

START AC 1

END AC 6

pH 7

SOM (%) 6.49

EXPOSURE PATHWAYS

ORAL ROUTES

- direct soil and dust ingestion
- consumption of homegrown produce
- soil attached to homegrown produce

DERMAL ROUTES

- indoor
- outdoor

INHALATION ROUTES

- indoor dust
- outdoor dust
- indoor vapour
- outdoor vapour

