



Phase 1: Desk Study

Twibell Street, Barnsley

Allenby Commercial and Peel Developments

Job No. S190553

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PHASE 1 DESK STUDY

TWIBELL STREET, BARNSELEY

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Revision	Date	Prepared By	Signed
Final	June 2019	T Deo <i>Engineering Geologist</i>	
		Checked By	
		R Woods <i>Principal Geotechnical Engineer</i>	
		Approved By	
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1 EXECUTIVE SUMMARY

Site Address	Twibell street, Barnsley, S71 1DL.
Site Description	The site is irregularly shaped and slopes down from north to south. The site is currently disused and a vacant plot of land the northern part of the site is heavily vegetated and numerous stockpiles of bricks are also present in the northern part of the site. The north-eastern corner of the site consists of concrete hardstanding. The southern part of the site consists of tarmac area with the occasional mature tree and bushes located near the southern boundary of the site.
Site History <i>On Site</i>	The earliest maps (1855) show that the site was a vacant plot of land. During the 1890's development of the site occurred, and a gas meter was located on site. During the 1900's further development of the site and during 1960's a substation was built on site.
<i>Offsite</i>	From the earliest mapping the area around the site was predominantly industrial in nature. A railway was built during the 1890's in the surrounding area of the site. Further industrial development occurred during 1930's to the 1970's.
Proposed End Use	The proposed development is outlined to be an industrial and commercial unit with associated parking and yard area
Environmental Setting <i>Landfill & Waste</i>	There are three Registered Landfill Sites located within 500m of the Site. There are six Historic Landfill Sites located within 500m of the Site. There are four Local Authority Recorded Landfill sites located within 500m of the Site. There are two Waste Transfer Sites entries located within 500m of the Site. There are two Licenced Waste Management Facilities located within 500m of the Site.
<i>Regulated Industries</i>	There are numerous Contemporary Trade Directory Entries located within 500m of the Site. There is one Recorded Fuel Site located within 500m of the Site
<i>Geology</i>	The site is shown to be underlain by solid geology of Pennine Middle Coal Measures Formation (MCM) most likely comprising of cyclic beds of mudstone, siltstone and sandstone with coal seams of varying thicknesses. No Drift deposits are located on the majority of the site. The north-eastern corner of the site alluvium drift deposits most likely consist of clay, silt, sand and gravel.
<i>Hydrogeology</i>	Using the Environment Agency's Policy and Practice for the Protection of Groundwater the solid geology beneath the site is classified as a Secondary Aquifer – A. The drift geology located in the north-eastern corner of the site is classified as a Secondary Aquifer – A. The site does not lie within a source protection zone.
<i>Hydrology</i>	There are twelve Water Abstractions located within 1km of the Site. The closest water abstraction is 120m south-west of the Site listed under the operator name "C C Cooper Limited".
<i>Flooding</i>	The nearest surface water feature is the River Dearne located 5m north of the Site.
<i>Radon Gas</i>	The Envirocheck Report states the site is at risk of Flooding or Extreme Flooding from Rivers and the Seas without defences based on fluvial models. Also, the surrounding area north and east of the Site is at risk Flooding or Extreme Flooding from Rivers and the Seas based on fluvial models and fluvial events. There are flood defences, flood water storage areas present within 250m of the Site. There are no areas benefiting from flood defences present within 250m of the site.
Preliminary Geotechnical Assessment	The site is not in a Radon Affected Area, as less than 1%-3% of properties are above the Action Level. No radon protection measures are necessary for new buildings or extensions on the site.
Preliminary Mining Assessment	Given the expected ground conditions noted in the sections above, the use of pad or deep pad foundations for the new development is anticipated at present. Where loose made ground or soft/loose natural deposits are encountered, foundations will need to be taken through the made ground/disturbed ground into underlying natural strata of adequate bearing capacity.
Preliminary Contamination Assessment	The Site is within a Coal Mining Affected Area. From the Coal Mining Report, the shallowest known worked coal seam is the Kents Thick seam at 58.0m depth with a section thickness of 0.55m. In this situation the Kents Thick is at a sufficient depth to give a ratio well in excess of 10x the seam thickness
Potential Sources of Ground Gas	The desk study has shown that the site may have been exposed to contamination, with construction/demolition waste and possibly oils or fuel from vehicle spills the most likely source local to the structures. Asbestos may also be present on the site from previous building cladding and roofing.
Phase Two Recommendations	Made ground is expected on site, therefore ground gas assessment is recommended due to the nature of the development. Also, the presence of coal seams beneath the site and historic landfills within 250m of the site will require a ground gas assessment.
	<ul style="list-style-type: none"> • A series of small percussive boreholes with in-situ testing and samples. • 3no rotary boreholes to ca. 30.00mbgl • Gas monitoring comprising six visits over three months. • A series of machine dug trial pits for sampling, in-situ soakaways and CBRs. • Geotechnical testing. • Chemical testing.

2 INTRODUCTION AND SCOPE OF INVESTIGATION

Solmek were instructed by Allenby Commercial and Peel Developments to undertake a desk study on a parcel of land at Twibell Street, Barnsley, S71 1DL. The proposed development is outlined to be an industrial and commercial unit with associated parking and hardstanding yard area.

The following steps may be required in the investigation and remediation of potentially contaminated land:

- Phase 1: Desk Study
- Phase 2: Intrusive Investigation
- Phase 3: Remediation Statement
- Phase 4: Validation Reports

Phases 1 and 2 are generally required in the redevelopment of most sites. Phases 3 and 4 are subject to the findings of the initial stages. This report represents Phase 1 of the site investigation.

The purpose of this Phase 1 Desk Study is to evaluate likely ground conditions and significant environmental issues at the site, and to plan the scope of subsequent phases of investigation.

This report may be regarded as a Preliminary Risk Assessment in accordance with the Environment Agency's guidance document *Model Procedures for the Management of Land Contamination* (CLR 11, 2004).

This Phase 1 Desk Study has been undertaken with due regard to current contaminated land guidance issued by the Royal Institution of Chartered Surveyors (RICS) together with BS 10175:2011+A1:2013, "Investigation of Potentially Contaminated Land - Code of Practice" and relevant sections of BS 5930: 2015, "Code of Practice for Ground Investigations".

The objectives of the investigation are as follows:

- Determine the land use history of the site from an inspection of available Historical Maps
- Determine the environmental setting of the site from available sources
- Determine whether past mining may have had an influence on the site
- Determine whether the site has previously been used for purposes that may have given rise to significant ground contamination
- Provide recommendations for further investigation.

3 SITE WALKOVER AND DESCRIPTION

3.1 General

The centre of the Site is located at OS Grid Ref 435231, 407117 and covers an area of approximately 0.74Ha. The area is located at Twibell Street, Barnsley, S71 1DL.

The preliminary Site inspection was undertaken on the 18th June 2019 and site photographs are presented in Appendix A.

3.2 Site Description

The desk study area is located on a parcel of land north of Twibell Street.

The site is irregularly shaped and slopes down from north to south. The topography of the site approximately ranges from 53.0m AOD towards the north-east of the site and 52.0m AOD to the south of the site. The site is currently disused and a vacant plot of land (Figure 6).

The northern part of the site is heavily vegetated and consists of hard standing with semi-mature trees and overgrown bushes (Figure 6). Numerous stockpiles of bricks are also present in the northern part of the site. The northern boundary of the site consists of concrete fencing (Figure 6). The north-eastern corner of the site consists of concrete hardstanding in poor condition and the eastern boundary of the site is a brick wall. The western boundary of the site consists of steel fencing.

The southern part of the site consists of tarmac area with the occasional mature tree and bushes located near the southern boundary. Stockpiles of wood and plastic are located in the south-eastern corner (Figure 6). The southern boundary of the site consists of a brick wall with a metal access gate.

The Site perimeter is secure with gated access from the south.

3.3 Off Site Features

The River Dearne is present to the north of the Site. The land use immediately west and east is industrial in nature. The land use to the south of the Site is residential in nature.

4 SITE HISTORY

4.1 Map Descriptions

In order to determine the history of the site, previous editions of Historical Maps and Ordnance Survey Plans were inspected. The Historical Maps are presented in Appendix B.

Table 1 presents a summary of the history of the area which includes plots from 1855 to 2019. The summary focuses on the historical land uses and changes relevant to the site and the proposed end use. Measurements are taken from the nearest boundary of the site and all distances quoted are approximate.

TABLE 1: SUMMARY OF SITE HISTORY

OS Map Edition	On-site Features	Off-site Features
1855 1:10,560	The Site is a vacant plot of land presumed for agricultural land use.	Mount Osbourne well colliery is noted 200m to the south of the Site. Two wells are present 190m to the south-west of the Site. A pump is noted 240m north of the Site.
1892 1:2,500	Two buildings are located on-site, a laundry house is present on the western part of the Site. Dearne works and gas meters are noted on the eastern part of the site.	Barnsley coal railway is noted 70m north-east of the Site. Old mill gas works and a gasometer is located 100m north of the Site. An old glass works is present 150m south-west of the Site. Dearne paper works is located 85m west of the Site and a tannery is noted 250m west of the Site.
1894 1:10,250	No significant change.	A quarry is noted 260m south of the Site. A tannery is located 100m to the west of the Site.
1906 1:2,500	A third building is now present on Site in the south-eastern corner of unknown use. The building in the eastern part of the site is now named saw mills.	No significant change.
1931 1:2,500	A chimney is now noted on-site associated with the building located in the eastern part of the Site. A crane is present in the south-eastern part of the Site.	An allotment gardens is now present immediately off site to the west. A further two allotment gardens are noted, one 250m north-east of the Site and the other 250m to the south-west. Mottram Wood Colliery is present 200m to the east of the Site. Numerous tanks are located 110m to the north of the Site and one tank is noted 100m to the west of the Site.
1932 1:10,000	No significant change.	A glasswork is located 100m south of the Site.
1948 1:10,560	No significant change.	A sand pit is noted 200m to the north-east of the Site.
1960-1962 1:1,250	The buildings on-site are now named "works" and the buildings located in the south-eastern corner are now named "Dearne Cottages".	Barnsley canal is noted 75m to the south-east of the Site. Works are located 100m south-west of the Site. A gasholder is now present immediately off-site to the north-west. A mill is noted 200m to the west of the Site. The river Dearne is now named 10m to the north of the Site.
1969-1973 1:1,250	A laundry house is present in the western section of the Site. Saw mills is now named to the existing buildings on-site. An electrical substation is located in the south-western corner of the Site.	A warehouse is located 15m to the east of the Site and an animal by-products factory 120m to the east with associated tanks located here also. A refuse tip is noted 110m to the north-east of the Site. A gas board depot is located 105m north of the Site. Tanks are located 250m north-west of the Site. Sluice is located 260m north-west of the Site and a weir is located 225m north-west of the Site. An engineering works is located 250m north of the Site and

		camping equipment factory 220m north of the Site.
1977-1986 1:1,250	No significant change.	A works is located 220m north of the Site. A depot is noted 100m north of the Site. A garage is located 235m south-west of the Site. The refused tip located 110m north-east of the Site is now named as disused.
1982-1991 1:1,250	No significant change.	Three warehouses are now located towards the north-east and south-east of the Site, the closest being located 50m west of the Site. A substation is located 200m to the north-west of the Site. A trading estate is located 150m south of the Site. A substation is located 230m to the south of the Site. Barnsley canal is now noted as disused.
1993 1:1,250	No significant change.	A gas yard compound is located 100m north of the Site. A warehouse is present 10m to the west of the Site. A garage is noted 250m to the south-west of the Site.
2019 1:10,000	All previous structures are shown as removed.	No significant change.

4.2 Potential Contamination Sources Identified via Historical Plans

Contamination from historical land uses within a 250m radius of the site have been identified:

Made ground from materials used to infill depressions and form a level area for access or building. This may include brick, concrete, timber, ash, slag, coal and metals.

Construction/demolition waste from construction and demolition immediately around the site over the documented history. This may include brick, concrete, timber, asbestos and metals. Historically road construction used ash as a sub-base material.

Saw mill Potential contamination arising from timber yards/joinery workshops may include substances used in the treatment of wood such as creosote, metal contamination such as lead from paints and potentially other hydrocarbon contamination from oils/lubricants used on-site.

Railway Contamination based on proximity to current and historic railway features isolated to the southern and south-eastern portion of the site. This may include ash, clinker, heavy metals and asbestos.

Electrical substation may have produced contaminants including Polychlorinated Biphenyls (PCBs)

Gasometer/Gas works potential contaminants could include hydrocarbons and cyanide (blue billy).

Garages/Filling Station contaminants may include metals or organic pollutants from petroleum, diesel, oils and lubricants or metal contamination from car repairs.

5 ENVIRONMENTAL SETTING

5.1 Information Sources

The environmental setting of the site was determined through reference to the following:

- Envirocheck Report (including historical map extracts)
- British Geological Survey (BGS): 1:50 000 geological map series sheet 87 Barnsley Solid and Drift Edition (2008)
- British Geological Survey (BGS): 1:10 000 geological map series sheet SE30NE Solid and Drift Geology
- BRE Publication BR211 Radon: Guidance on Protective Measures for New Dwellings

5.2 Landfill and Waste

The Envirocheck Report indicates that there are three Registered Landfill Sites located within 500m of the Site. The closest being 90m south-east of the Site which has no restriction on source of waste.

The Envirocheck Report indicates that there are no BGS Recorded Landfill Sites located within 500m of the Site.

The Envirocheck Report indicates that there are six Historic Landfill Sites located within 500m of the Site. The closest being 55m south of the Site disposed waste includes inert waste.

The Envirocheck report indicates that there are four Local Authority Recorded Landfill sites located within 500m of the Site. The closest being 120m north-west of the Site.

The Envirocheck Report indicates that there are no Waste Treatment and Disposal Sites entries located within 500m of the Site.

The Envirocheck Report indicates that there are two Waste Transfer Sites entries located within 500m of the Site. The closest being 90m north-west of the Site located at Barnsley Depot.

The Envirocheck Report indicates that there are two Licenced Waste Management Facilities located within 500m of the Site. The closest being 120m north of the Site

5.3 Regulated Industries

The Envirocheck Report indicates that there are numerous Contemporary Trade Directory Entries located within 500m of the Site. The closest being electrical goods sales under the name of "Comet" 15m south-west of the Site. Within 100m of the Site there are electrical goods sales, builders' merchants and garage services.

The Envirocheck Report indicates that there is one Recorded Fuel Site located within 500m of the Site located 230m west of the Site listed under the name of "Asda Barnsley".

The Envirocheck Report indicates that there are no records of Integrated Pollution Prevention and Control entries located within 500m of the Site.

The Envirocheck Report indicates that there are two Local Authority Pollution Prevention and Control sites, or enforcements located within 500m of the Site. The closest being 290m south-west of the Site listed as Air Pollution Control.

The Envirocheck Report indicates that there are no sites dealing with Explosive or Radioactive Substances located within 500m of the Site.

The Envirocheck Report indicates that there are two records of Control of Major Accident Hazard (COMAH) located within 500m of the Site. One which is listed under the name "National Grid Gas Plc" is located 30m north-west of the Site and the second is located 35m north-west under the name "Transco Plc".

The Envirocheck Report indicates that there are two records of Planning Hazardous Substance Consents sites located within 500m of the Site. Both for liquefied extremely flammable gas 35m north-west of the Site under the name of "British Gas Plc".

The Envirocheck Report indicates that there are no records of Planning Hazardous Substance Enforcements sites located within 500m of the Site.

The Envirocheck Report indicates that there is one record of Notification of Installations Handling Hazardous Substances (NIHHS) located within 500m of the Site located 30m north-west of the Site under the name of "Transco"

The Envirocheck Report indicates that there are eleven Substantiated Pollution Incidents located within 500m of the Site. The closest being 30m north-east of the Site pollutant including oil-diesel to a freshwater stream/ river and was regarded as a category 2- significant incident.

The Envirocheck Report indicates that there are no Sites Determined as Contaminated Land under Part 2A EPA 1990 entries located within 500m of the site.

5.4 Geology

The site is shown to be underlain by solid geology of Pennine Middle Coal Measures Formation (MCM) most

likely comprising of cyclic beds of mudstone, siltstone and sandstone with coal seams of varying thicknesses.

No Drift deposits are located on the majority of the site. The north-eastern corner of the site alluvium drift deposits most likely consist of clay, silt, sand and gravel.

The Low Beam Shaw coal seam subcrops through the centre of the site, from the north-east to the south-west. There are several other sub cropping coal seams to the south of the site which run to the north-east of the site. The two nearest subcropping seams are named as the Top Beamshaw Coal Seam and the Andy Winter coal seam.

A fault runs through the south-western corner of the site, the fault trends NW-SE and with a downthrown to the north-east.

In reference to BGS Historical Borehole Record SE30NW46 the following ground conditions are recorded approximately 450 m west of the Site which prove seam depths and summaries as follows:

- Shallow Wood from 141m bgl;
- Top Haigh Moor from 157m bgl;
- Low Haigh Moor from 159m bgl;
- Lidgett 191m from bgl;
- Clay Cross Marine Band from 220m bgl;
- Flockton Thick (Top Leaf) from 244m bgl;
- Flockton Thick (Lower Leaf) from 247m bgl;
- Flockton Thin from 268m to 271m bgl;
- Fenton from 285m bgl;
- Parkgate from 311m bgl;
- Thorncliffe from 333m bgl;
- Silkstone from 378m bgl;
- Low Estheria Band from 389m bgl;
- Lousey Horizon 410m bgl; and
- Whinmoor from 434m bgl;

5.5 Mining & Quarrying

The Site is within a Coal Mining Affected Area as defined by the Coal Authority, as a result a coal mining search report was required to assess the risks posed by historic and possible future coal mining to any current or future developments on the Site.

The coal mining search report conducted by David Bellis Consulting Surveyors dated 19th June 2019 is presented in Appendix D.

The mining report highlights that the site is situated in an area where six known seams have been worked within the likely zone of physical influence on the surface. The shallowest seam is the Kents Thick last worked pre 1955 at a depth of 58m with a section thickness of 0.55m.

The report highlights that the site is not situated within the boundary of a former opencast coal mining site. Neither is the site located within 200m of a currently operating opencast coal mine or 800m of a future opencast coal mine.

The report follows on to state that they have no knowledge of any shafts or adits within 20m of the site or the boundary of the site. Also, there are no tips or lagoons in the vicinity of the site. It is highlighted that there is **possible ancient shallow** coal mining working within the likely zone of influence on the surface in the vicinity of the property, for which no accurate plans or records exist.

The report concludes by stating that old workings are present, but all settlement is likely to have completed long ago. In their opinion it is unlikely that coal will be worked in the foreseeable future.

The Envirocheck Report indicates that there are numerous BGS recorded Mineral Sites located within 1km of the site. The nearest is located 160m south of the site with the commodity listed as Coal (deep).

The site is within 1km of a Non-Coal mining area of Great Britain. The closest Non-Coal Mining area is located on-site however the risk is classed as highly unlikely.

The site is not within 1km of a Man-Made Mining Cavity.

The site is not within 1km of a Natural Cavity.

The site is not within 1km of a Brine Compensation area.

5.6 Geological Hazards and Instability

The Envirocheck report presents the maximum hazard ratings of ground stability hazards located on site as follows:

- Negligible hazard is posed by Ground Dissolution Stability Hazards;
- Very low hazard is posed by Shrinking or Swelling Clay and collapsible Ground Stability Hazards;
- Low hazard is posed by Landslides, Running sand Ground Stability Hazards;
- Low hazard is posed by Shrinking or Swelling Clay Stability Hazards; and
- Moderate hazard is posed by Compressible Ground Stability Hazards

5.7 Hydrogeology

Using the Environment Agency's Policy and Practice for the Protection of Groundwater the solid geology beneath the site is classified as a Secondary Aquifer – A. The drift geology located in the north-eastern corner of the site is classified as a Secondary Aquifer – A.

The groundwater vulnerability is categorised as High, due to soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid by-pass flow directly to rock, gravel or groundwater.

The Envirocheck Report indicates that there are twelve Water Abstractions located within 1km of the Site. The closest water abstraction is 120m south-west of the Site listed under the operator name "C C Cooper Limited".

The site is not located within a source protection zone.

5.8 Hydrology

The nearest surface water feature is the River Dearne located 5m north of the Site.

The Envirocheck Report states there are twelve Licensed Discharge Consents entries within 500m of the Site. The closest being 80m north-west of the Site listed as trade discharge – process water.

The Envirocheck Report states there are no Records of Water Industry Act Referrals (potentially harmful discharges to the public sewer) located within 500m of the Site.

5.9 Flooding

The Envirocheck Report states the site is at risk of Flooding or Extreme Flooding from Rivers and the Seas without defences based on fluvial models. Also, the surrounding area north and east of the Site is at risk Flooding or Extreme Flooding from Rivers and the Seas based on fluvial models and fluvial events.

The Envirocheck Report indicates that there are flood defences, flood water storage areas present within 250m of the Site. Flood defences are located 70m north-east of the Site and the nearest flood water storage area is located 20m north of the Site.

The Envirocheck Report indicates that there are no areas benefiting from flood defences present within 250m of the Site.

A comprehensive flood risk assessment should be sought from a specialist to quantify the existing risk of flooding on the site.

5.10 Sensitive Land Use

The Envirocheck Report states that a local nature reserve is located 80m north-east of the Site.

The Envirocheck Report states that an area of adopted green belt is located 10m north of the Site.

The Site is within the boundaries of a Nitrate Vulnerable Zone.

5.11 Radon Gas

The Site is not in a Radon Affected Area, as less than 1%-3% of properties are above the Action Level.

In accordance with the procedure described in BRE Publication BR211 Radon: Guidance on Protective Measures for New Dwellings, no radon protection measures are necessary for new buildings or extensions on the site.

6 CONCEPTUAL SITE MODEL

6.1 General

Based on the information presented in the preceding Sections, and in accordance with the CLR11 guidance noted in Section 1, a Preliminary Conceptual Site Model has been produced.

The main features of the model are discussed in the following sections together with preliminary recommendations where appropriate.

6.2 Likely Ground Conditions

It is expected that, based on available information, ground conditions are likely to be made ground comprising generally hardstanding underlain by made ground which could be deep in places. Made ground likely to be deepest around the area of historic buildings which were previously on site.

6.3 Potential Buried Obstructions

Based on the site history, buried obstructions are likely. Relic foundations, cobbles, bricks, buried tanks and stone blocks are the most likely obstructions.

6.4 Mining Assessment

The Site is within a Coal Mining Reporting Area as defined by the Coal Authority.

The general guidance and good practice for assessing if a seam is within influencing distance to the surface is if rock cover (not including made ground and drift) is greater than 10x the worked thickness of the coal seam, then generally no void migration will reach the interface of the rock and drift deposits/made ground and thus no instability via a crown hole tyre collapse will occur.

From the Coal Mining Report, the shallowest known worked coal seam is the Kents Thick seam at 58.0m depth with a section thickness of 0.55m. In this situation the Kents Thick is at a sufficient depth to give a ratio well in excess of 10x the seam thickness.

Given the presence of possible ancient shallow coal mine workings and the sub cropping Low Beamshaw Seam it is recommended that a minimum of three open rotary boreholes are drilled to ca. 30.00mbgl as part of any site investigation for the new development. The boreholes are necessary to investigate potential voids, collapsed workings and possible weak/broken areas of rock due to mine workings underlying the proposed new development.

6.5 Preliminary Geotechnical Assessment

Given the expected ground conditions noted in the sections above, the use of pad or deep pad foundations for the new development is anticipated at present. Where loose made ground or soft/loose natural deposits are encountered, foundations will need to be taken through the made ground/disturbed ground into underlying natural strata of adequate bearing capacity.

Should a piling option be adopted, reference should be made to CIRIA documentation PR86 and PG6 for pile design and installation and the recommendations of the Federation of Piling Specialists on the requirements of pile design. Allowance should be made for the exploratory boreholes to exceed the pile end-bearing ultimate depth by 5m.

Consideration will also need to be given to the possible vibratory/oscillatory nature of the proposed plant equipment.

Given the flood risk potential for the site (Section 5.9) allowance for possibility of shallow or surface groundwater needs to be considered during foundation design and construction

Trees are present around the site perimeter and therefore foundations may need deepening in accordance with NHBC Standards Chapter 4.2.

The above suggestions should be regarded as tentative until Phase 2 intrusive works are undertaken and information is available regarding design loads and development layout.

6.6 Preliminary Contamination Assessment

The desk study has shown that the site may have been exposed to contamination, with construction/demolition waste and possibly oils or fuel from vehicle spills the most likely source local to the structures. Additionally, regarding waste from the former Saw Mill and nearby gas works would be present. Asbestos may also be present on the site from previous building cladding and roofing.

In view of the current and future site use, chemical contamination testing is considered necessary. The following chemical testing suite should be considered for selected soil samples:

TABLE 2: POTENTIAL PRIORITY CONTAMINANTS

Inorganic Contaminants	Organic Contaminants
Antimony, Arsenic, Boron, Cadmium, Chromium, Lead, Mercury, Nickel, Zinc, Selenium, Free Cyanide, Soluble Sulphate, pH, Asbestos	Phenol, Organic Matter, speciated PAH, TPH, PCB's

Leachate groundwater testing is required due to close proximity of the River Dearne.

It should be noted that the above potential contaminants are considered to be commonly associated with the specified past land uses of the site, and adjacent land use. Risk assessment should be undertaken for contamination identified during intrusive investigation.

Potential pathways which link the potential contaminants to end users of the site and controlled waters (receptors) include the following:

- Ingestion of soil (outdoors) / dust (indoors)
- Skin contact with soil (outdoors) / dust (indoors)
- Inhalation of dust (outdoors and indoors)
- Contamination via buried water pipes
- Surface water run-off, including via existing drainage infrastructure
- Downward infiltration of leachable contaminants to groundwater

6.7 Potential Sources of Ground Gas

Ground gases such as carbon dioxide and methane can be classed as a form of contamination. Potential sources of ground gases include:

- Made Ground
- Quarries, Infilled Clay Pits & Infilled Ponds
- Underlying Natural Strata (alluvium, peat and chalk)
- Petrol re-fuelling sites (which also includes Volatile Organic Compounds)
- Landfill (on and off-site)
- Coal measures

Based on historical map evidence and consideration of the sites environmental setting the table below shows a preliminary comparison of *consequence* against *probability* where ground gas is considered a potential threat to human health.

TABLE 3: POTENTIAL GROUND GAS POLLUTION LINKAGES

Potential Sources	Potential Pathway	Receptor
Made ground (CO ₂ , CO and CH ₄). Petrol Filling Station (Hydrocarbons, SVOCs and VOCs). Coal measures (CO ₂ , CO and CH ₄) and stythe gas or oxygen depletion. Historic Landfills (CO ₂ and CH ₄).	Ingress and Accumulation into buildings from vertical and horizontal migration	Future users of site are likely to include Transient adult workers. Construction workers (in particular utility workers).
Preliminary Comparison of Consequence verses Probability		
	Classification	Justification
Probability <i>(Based on Table 8.1, CIRIA C665, 2007)</i>	MODERATE LIKELIHOOD	Ground gas from made ground.
		A number of landfill sites within 250m.
		Development high risk zone for coal mining.
Consequence <i>(Based on Table 8.2, CIRIA C665, 2007)</i>	MILD	Development of commercial unit with associated parking and yard area
	Risk	Details
Consequence vs. Probability <i>(Based on Table 8.3, CIRIA C665, 2007)</i>	LOW/ MODERATE RISK	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the long term. <i>(Based on Table 8.4, CIRIA C665, 2007)</i>

Given the conditions noted above a ground gas assessment is considered necessary for the site to observe standing groundwater levels and to allow measurements to be made of hazardous gases and/or contamination levels in groundwater. Monitoring should be undertaken following site works on a minimum of six occasions over three months.

6.8 Risk Assessment for Contaminated Land

As part of this Phase 1 Desk Study, a preliminary conceptual model and risk assessment is produced. This assessment should be revised following the Phase 2 Site Investigation outlining a qualitative risk assessment. Should there be unacceptable risks to the various receptors/end-users following the Phase 2 works, then a remediation strategy may be required to outline measures to satisfy Part 2A of the Environmental Protection Act (1990). The above measures are in line with CLR11 – Model Procedures.

The results of the chemical contamination testing as part of the Phase 2 investigation should be compared to a current Land Quality Management (LQM) – Suitable 4 Use Levels (S4UL) December 2014.

6.9 Conceptual Site Model

The conceptual model collates the salient aspects of the site to form a model which should enable comparison after fieldwork and testing. This model identifies the potential pollution linkages that may influence the proposed development and geotechnical considerations.

The risk ratings are based on the current potential liabilities and likely potential future liabilities. The risks posed by the geotechnical and contamination aspects of the site will be revised following site works, and any mitigating action required added.

The Preliminary Conceptual Model has been undertaken in accordance with CIRIA C552. The Preliminary Conceptual Model assesses the consequence and the likelihood of a risk being realised to provide a risk

classification, which is then used to produce the Preliminary Conceptual Model. Full details of the tables used to assess consequence, likelihood and risk classification are presented in Appendix F.

TABLE 4 : PRELIMINARY CONCEPTUAL MODEL

Source	Pathway	Receptor	Risk Rating	Comments
Asphyxiating or explosive ground gases <ul style="list-style-type: none"> Made ground Coal Measures Historic Landfills within 250m Not in Radon Affected Area 	Ground gas migration <ul style="list-style-type: none"> Migration through permeable soils Inhalation 	Future site users <ul style="list-style-type: none"> Transient adult workers 	Moderate	Gas monitoring recommended. Six visits over three months proposed.
		Users during development <ul style="list-style-type: none"> Construction workers 	Moderate	
Areas of contamination <ul style="list-style-type: none"> Potential contaminants in made ground Potential demolition/construction waste 	<ul style="list-style-type: none"> Inhalation 	Future site users <ul style="list-style-type: none"> Transient adult workers 	Low	Mitigated by proposed structure hard standing – no gardens proposed.
		Users during development <ul style="list-style-type: none"> Construction workers 	Moderate	Contamination testing required to determine risks posed during construction
	<ul style="list-style-type: none"> Inhalation Dust ingestion 	Users of surrounding sites <ul style="list-style-type: none"> Transient adult workers 	Moderate	Potential low risk during construction from dust generation. Contamination testing required to quantify the risks.
	<ul style="list-style-type: none"> Leaching of mobilised contaminants 	Solid geology <ul style="list-style-type: none"> Secondary Aquifer – A 	Low	Low sensitivity aquifer overlain by low sensitivity drift deposits
		Drift geology <ul style="list-style-type: none"> Secondary Aquifer – A 	Low	Low sensitivity aquifer unlikely to contain significant groundwater
	<ul style="list-style-type: none"> Drainage Lateral migration Accumulation of contaminated sediment 	Surface water features <ul style="list-style-type: none"> River 5m north 	Moderate	limited potential for contamination from site to reach surface water, either via surface run-off or groundwater movement.
	<ul style="list-style-type: none"> Uptake via roots and leaf surfaces 	Vegetation <ul style="list-style-type: none"> None on site or proposed 	Very Low	No potential for Vegetation impact as no vegetation is present or proposed.
Areas of contamination above service fabric or BRE Special Digest 1 thresholds	<ul style="list-style-type: none"> Direct contact 	Construction Materials <ul style="list-style-type: none"> Concrete 	Moderate	pH and sulphates to be assessed during Site Investigation
	<ul style="list-style-type: none"> Direct contact 	Construction Materials <ul style="list-style-type: none"> Service Fabric 	Moderate	Consideration to be given to Pipe Material Table (Appendix F) during Site Investigation

7 PROPOSED PHASE TWO INTRUSIVE WORKS

A Phase 2 Site Investigation should be undertaken to verify the assumptions made in the Preliminary Conceptual Site Model and to provide data for foundation design.

An outline ground investigation strategy is summarised below, based on the preliminary conceptual site model and information obtained during the desk study.

7.1 Site Investigation Rationale

The Conceptual Model highlights that there is potential for contamination on the site. Therefore, an intrusive investigation should be undertaken with the sampling strategies outlined within BS10175:2011 +A1:2013 and CLR4:1994. These strategies can be considered as:

- Non targeted (BS10175) – If no obvious hotspots or potential sources of contamination have been outlined in the desk study, it would be recommended to utilise a stratified random pattern of sampling locations.
- Targeted (CLR4) – If a possible hotspot is suspected on the site, it is recommended to adopt a targeted approach to sample the immediate vicinity of the hotspot. Highly focussed sampling consisting of several samples within the area of the hotspot may be necessary to delineate the extent of the hotspot.

These strategies can be employed either separately or in conjunction and any site investigation should be individually tailored to each site.

The density of sampling required is defined within BS10175 which notes that the density required is dependent on a number of factors including confidence and robustness required, and contaminants, pathways and receptors present.

7.2 Site Specific Sampling Rationale

The analysis of the historical maps and the Conceptual Model has highlighted that specific point sources of contamination may be present, or may historically have been present, on the site. It is recommended that a targeted approach is utilised in order to prove and delineate the extent of these hotspots. The hotspots outlined for targeted analysis are detailed below.

TABLE 5: HOTSPOT INVESTIGATION LOCATIONS

Proposed Exploratory Method	Possible Hotspot
Boreholes (ca 5.00mbgl) and Trial Pits (ca.3.00mbgl)	Historic gas meter which was located in the eastern part of site. Historic substation which was located in the south-western part of the site. Both areas to required gas monitoring installations.
Boreholes (ca. 30.00mbgl)	Coal measures located directly beneath the site.

In addition to the proposed targeted approach, it is recommended that the remainder of the site away from the hotspots is investigated using a non-targeted approach.

The chemical testing proposed for the site is outlined in Section 6.6.

7.3 Proposed Methods of Investigation

The methods of investigation outlined within Table 5 are considered necessary to address the risks outlined within the Conceptual Model. The locations of these investigation positions will be set out in line with the proposed sampling methodology outlined in Section 7.2

TABLE 6: SITE INVESTIGATION RECOMMENDATIONS

Proposed method of investigation	Purpose	Comments
Hand dug trial pits	Hand dug trial pits to 1.20mbgl to ensure positions are clear of underground services.	To be undertaken prior to the drilling of all boreholes and following CAT scanning and service plan inspection.
A series of small percussive boreholes to ca. 5.00mbgl	<ul style="list-style-type: none"> To determine shallow ground conditions. To collect soil samples for geotechnical and chemical testing. To observe soils profile, localised variations in materials and presence of groundwater. 	<ul style="list-style-type: none"> Ensure positions are CAT scanned and service plans inspected prior to any excavation. Hand vanes to be taken in cohesive deposits. SPT samples in granular strata and rock head. Disturbed and jar samples to be undertaken for chemical testing.
A series of machine dug Trial pits to ca. 3.00mbgl	<ul style="list-style-type: none"> To assess the shallow ground conditions and obtain samples for chemical testing. To undertake in-situ CBR's To undertake soakaway tests 	<ul style="list-style-type: none"> Ensure positions are CAT scanned and service plans inspected prior to investigation. Trial pits required to accompany the boreholes.
Gas/groundwater monitoring wells	To observe standing groundwater levels and to allow measurements to be made of hazardous gases and/or contamination levels in groundwater.	Monitoring to be undertaken following site works on a minimum of six occasions.
A series of rotary boreholes drilled to ca. 30.00mbgl (minimum of 3no. boreholes)	The boreholes are necessary to investigate potential voids and possible weak/broken areas of rock due to mine workings underlying the proposed new structure.	Ensure positions are CAT scanned and service plans inspected prior to excavation.
Chemical testing	To allow the potential risks identified within the conceptual model to be addressed.	Chemical soils and leachates testing to cover potential priority contaminants from Table 2.
Geotechnical testing	To confirm material properties and to provide concrete classification of materials.	Tests may include sulphate analysis, pH, moisture content, Atterberg limit determination, particle size distribution tests and triaxial testing. Further tests may be required depending on the materials encountered.

SOLMEK

Appendix A

Maps and Photographs



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Title
Site Location Plan
Project
Twibell Street, Barnsley
Client
Allenby Commercial and Peel Developments
Date
June 2019
Fig No.
Figure 2
Scale
Do Not Scale
Key
<div style="display: flex; align-items: center;"> <div style="border: 2px solid red; width: 20px; height: 10px; margin-right: 5px;"></div> <div>Site Boundary</div> </div>
<div style="text-align: center;">  N </div>
<p style="text-align: right;">Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA</p> <p style="text-align: right;">Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com</p> <p style="text-align: right;">  SOLMEK </p>



Title	Solid Geology Map with Coal Seams
Project	Twibell Street, Barnsley
Client	Allenby Commercial and Peel Developments
Date	June 2019
Fig No.	Figure 3
Scale	Do Not Scale
Key	<div> <div> <div></div> <div>Site Boundary</div> </div> <div> <div></div> <div>Fault</div> </div> <div> <div></div> <div>Pennine Middle Coal Measures Formation</div> </div> <div> <div></div> <div>Pennine Middle Coal Measures Formation</div> </div> <div> <div></div> <div>Coal Outcrop</div> </div> <div> <div></div> <div>Infilled Ground: mainly former opencast sites, brick pits and quarries</div> </div> <div> <div></div> <div>Pennine Middle Coal Measures Formation</div> </div> </div>

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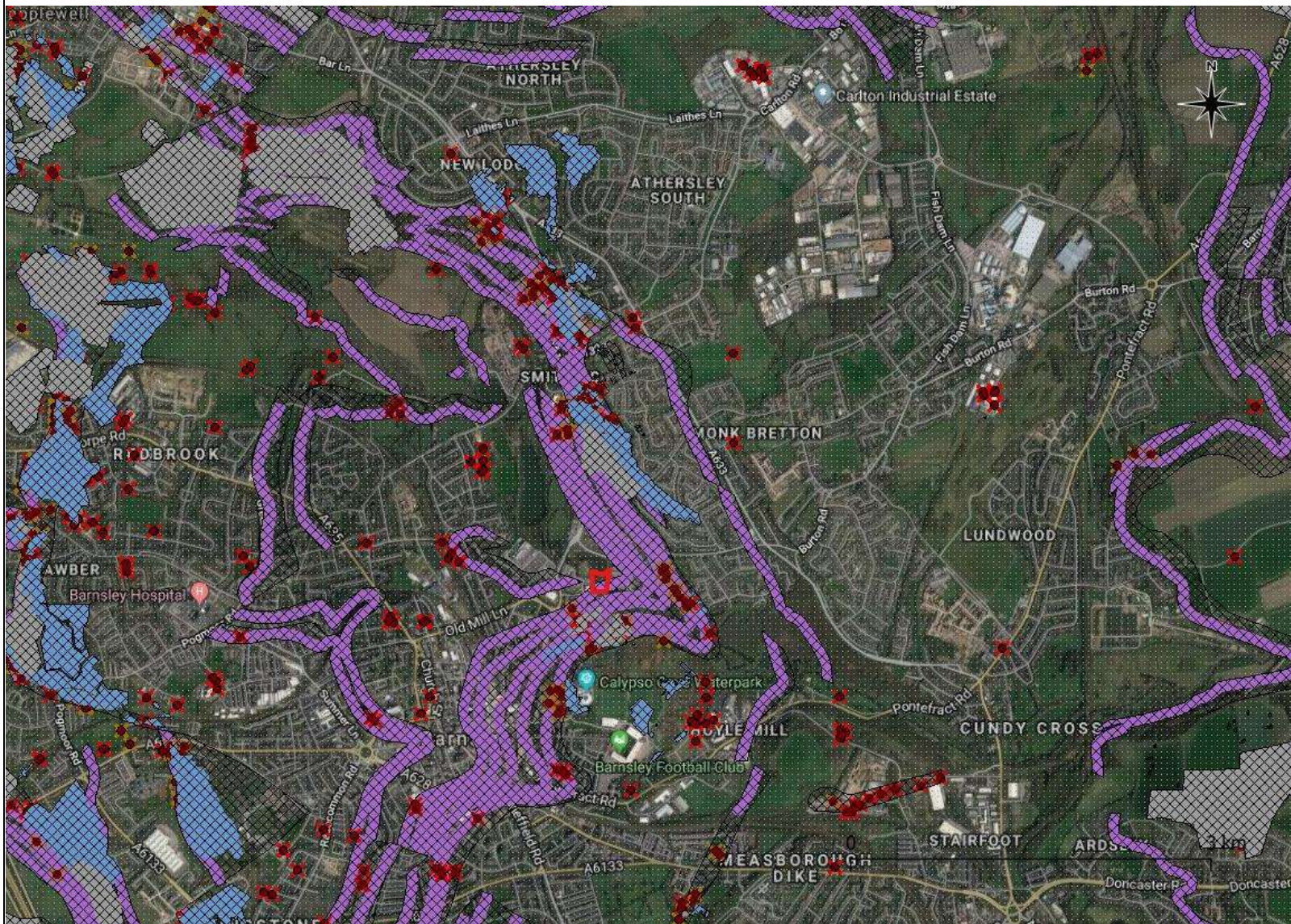


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Title	Drift Geology Map
Project	Twibell Street, Barnsley
Client	Allenby Commercial and Peel Developments
Date	June 2019
Fig No.	Figure 4
Scale	Do Not Scale
Key	<div> <div> <div></div> <div>Site Boundary</div> </div> <div> <div></div> <div>Alluvium - Clay, Silt, Sand and Gravel.</div> </div> </div>
<p>Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA</p> <p>Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com</p> <div>  </div>	



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Title	Coal Mining Risk Map
Project	Twibell Street, Barnsley
Client	Allenby Commercial and Peel Developments
Date	June 2019
Fig No.	Figure 5
Scale	Do Not Scale
Key	<div> <div></div> Site Boundary <div></div> Pennine Middle Coal Measures Formation <div></div> Mine Entry (shaft / Adit) <div></div> Coal Outcrop <div></div> High Risk Development Area </div> <div>  N </div>
<p>Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA</p> <p>Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com</p>	
	



Photo 1: Northern section of the site with vegetation and brick stockpiles



Photo 2: Northern boundary of the site consisting of concrete fencing

Title	Date	<p>Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA</p> <p>Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com</p> <p> SOLMEK</p>
Site Walkover Photos	June 2019	
Project	Figure No	
Twibell Street, Barnsley	Figure 6	
Client		
Allenby Commercial and Peel Developments		



Photo 3: Southern section of the site predominately covered in hardstanding with some vegetation.



Photo 4: Stockpile in the south-western corner consisting of steel and wood.

Title	Date	Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com 
Site Walkover Photos	June 2019	
Project	Figure No	
Twibell Street, Barnsley	Figure 6	
Client		
Allenby Commercial and Peel Developments		

Appendix B

Historical Maps

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

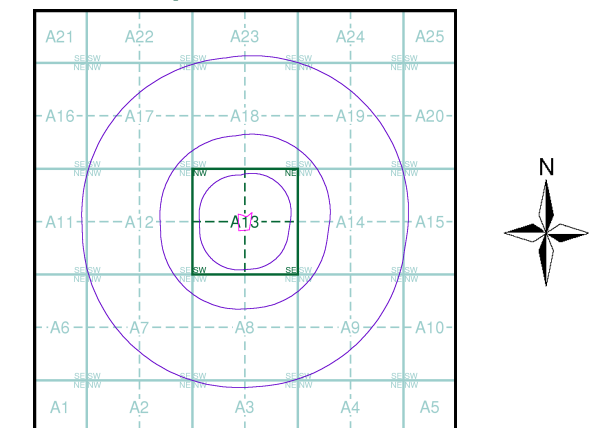
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil,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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1855	2
Yorkshire	1:10,560	1894	3
Yorkshire	1:10,560	1907	4
Yorkshire	1:10,560	1932	5
Yorkshire	1:10,560	1938	6
Yorkshire	1:10,560	1948	7
Ordnance Survey Plan	1:10,000	1955 - 1956	8
Ordnance Survey Plan	1:10,000	1966	9
Ordnance Survey Plan	1:10,000	1973 - 1974	10
Ordnance Survey Plan	1:10,000	1983 - 1984	11
Ordnance Survey Plan	1:10,000	1993	12
10K Raster Mapping	1:10,000	2000	13
Street View	Variable		14

Historical Map - Slice A



Order Details

Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 1000

Site Details

Twibell Street, Barnsley, S71 1DL

Landmark
INFORMATION GROUP

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



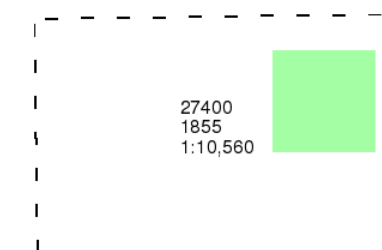
Yorkshire

Published 1855

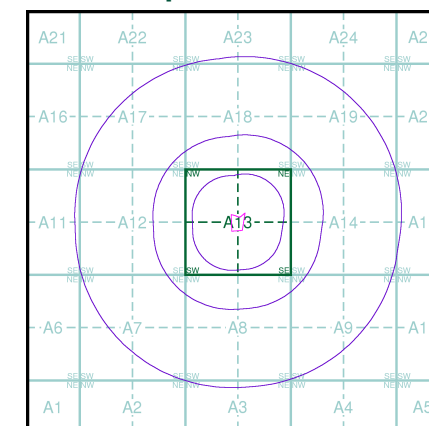
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 206145842_1_1
Customer Ref: S190553
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Slice: A
Site Area (Ha): 0.74
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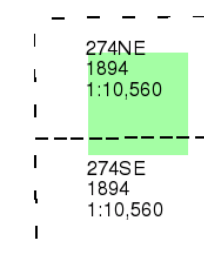
Yorkshire

Published 1894

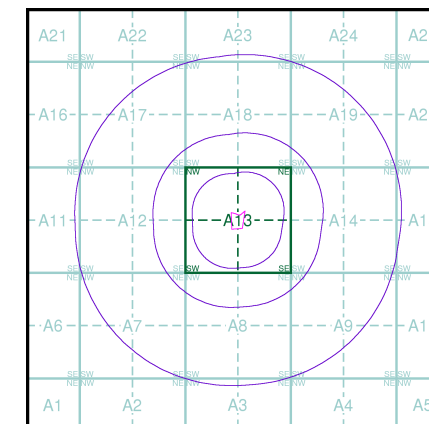
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 1000

Site Details

Twibell Street, Barnsley, S71 1DL

Landmark
INFORMATION GROUP

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

Yorkshire

Published 1907

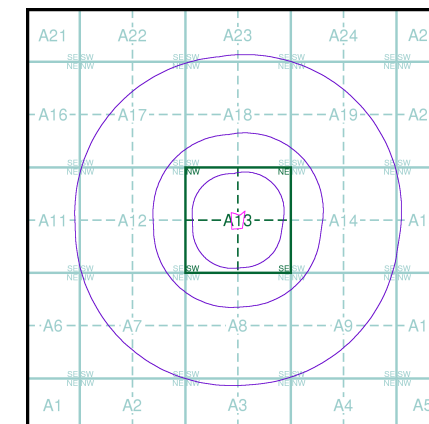
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Map Name(s) and Date(s)

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274SE	1907	1:10,560

Historical Map - Slice A

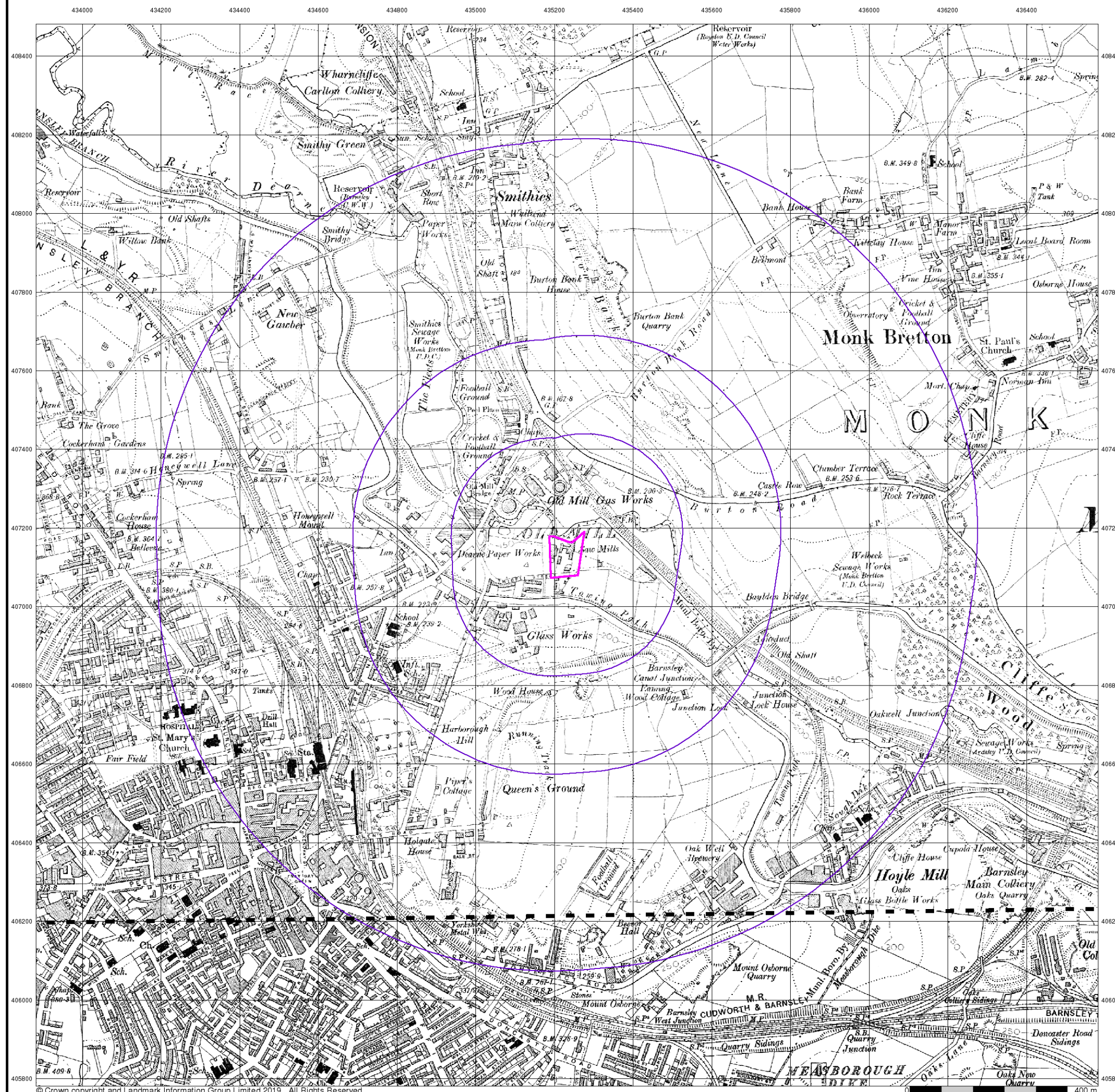


Order Details

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 Slice: A
 Site Area (Ha): 0.74
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Site Details

Twibell Street, Barnsley, S71 1DL



Yorkshire

Published 1932

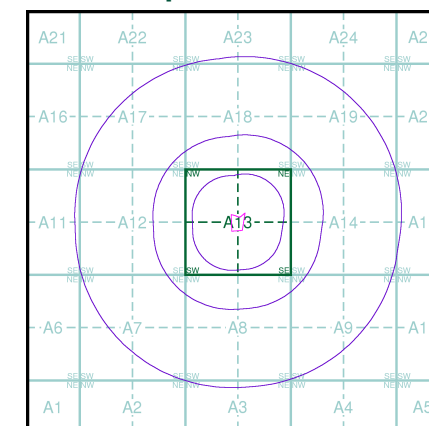
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Map Name(s) and Date(s)

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274SE	1932	1:10,560

Historical Map - Slice A

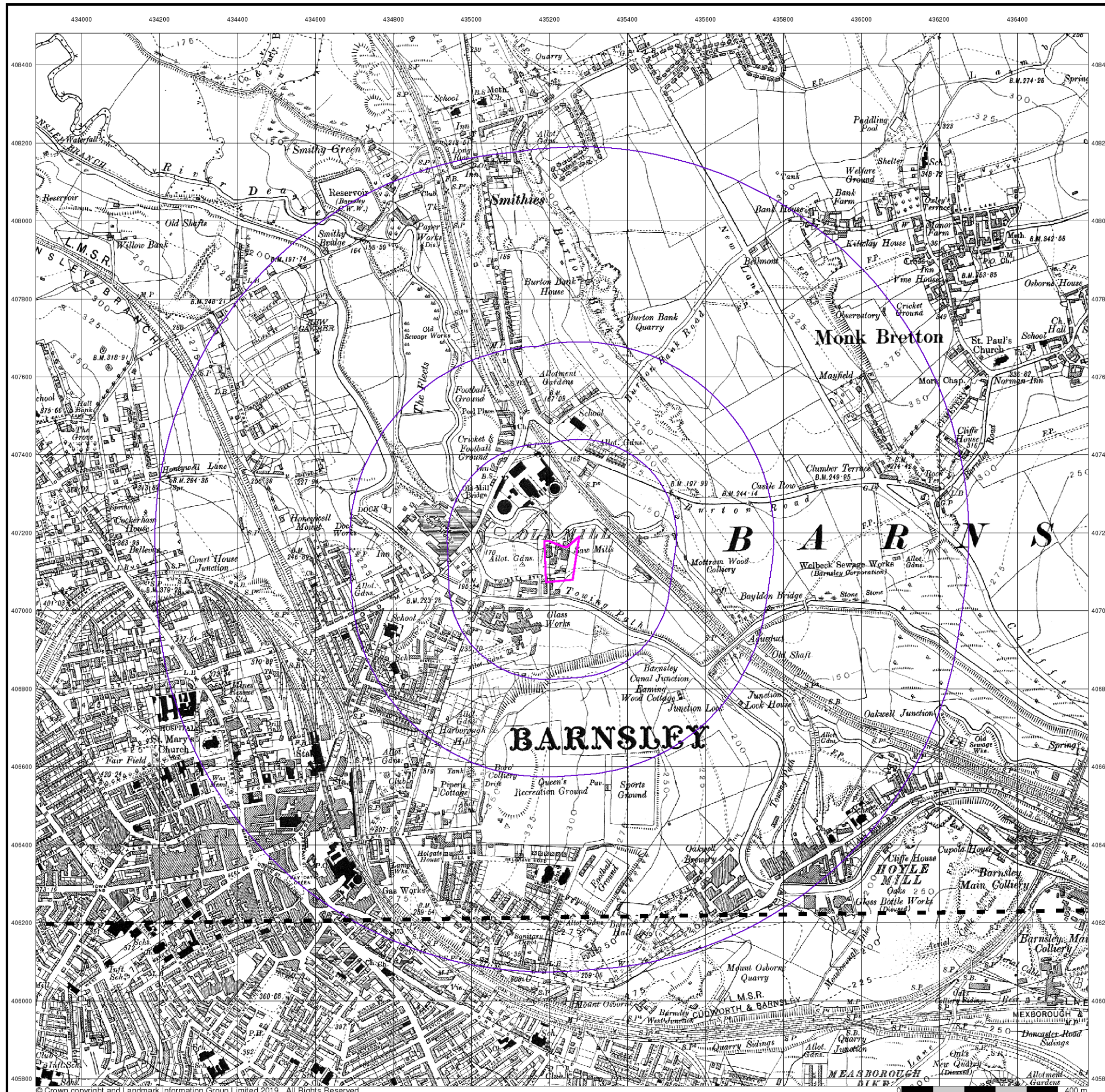


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Site Details

Twibell Street, Barnsley, S71 1DL



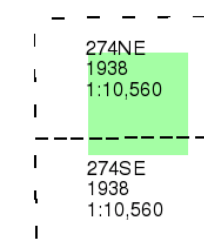
Yorkshire

Published 1938

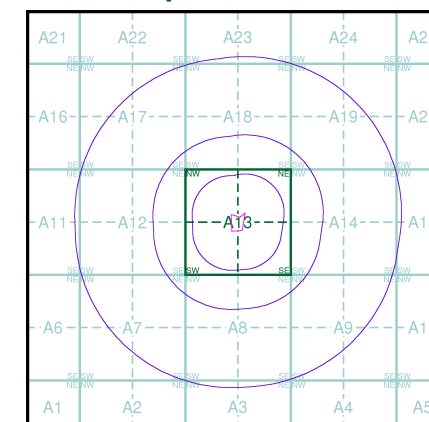
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Map Name(s) and Date(s)



Historical Map - Slice A

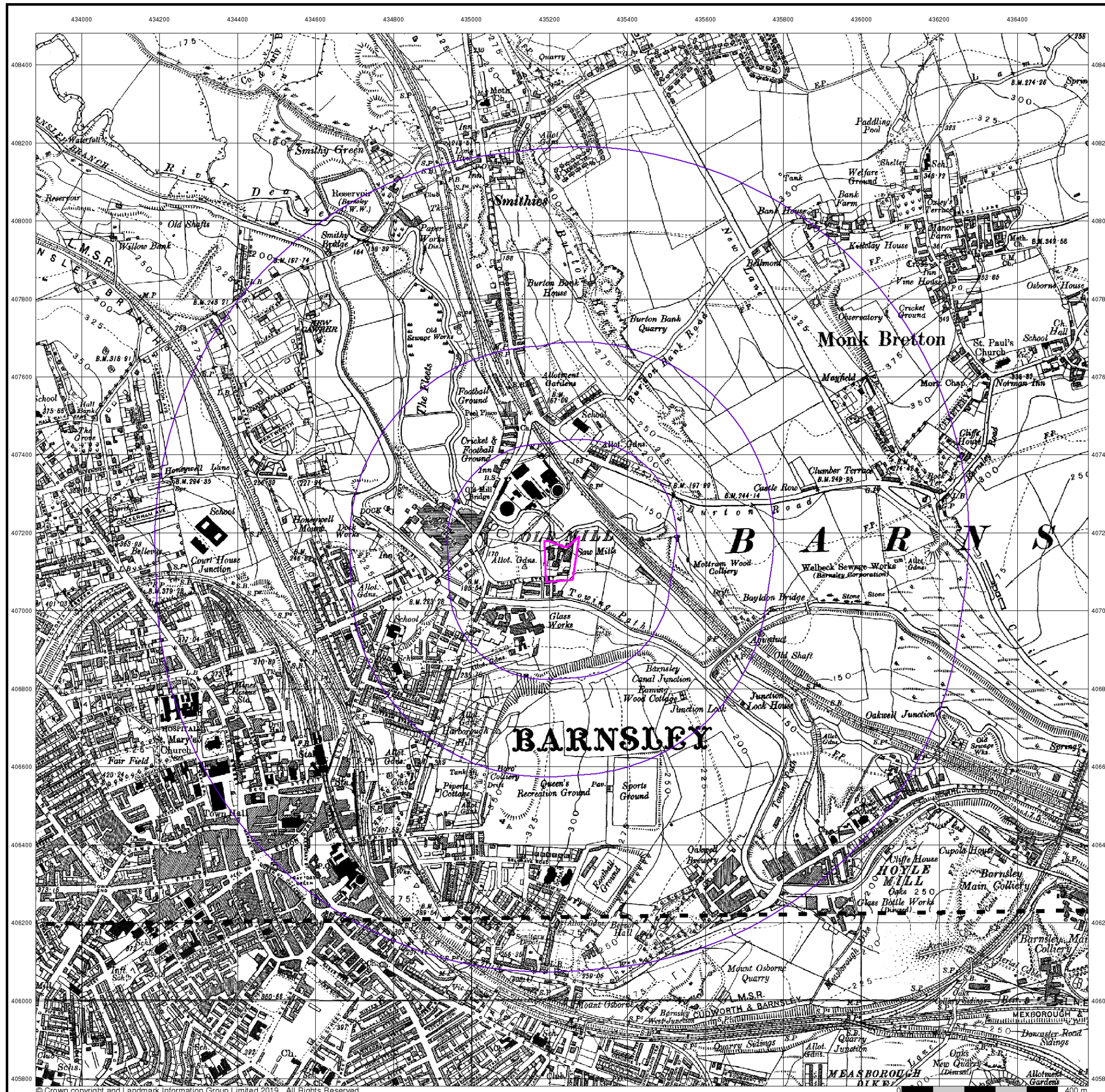


Order Details

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National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
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Site Details

Twibell Street, Barnsley, S71 1DL





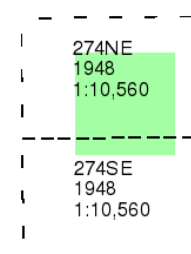
Yorkshire

Published 1948

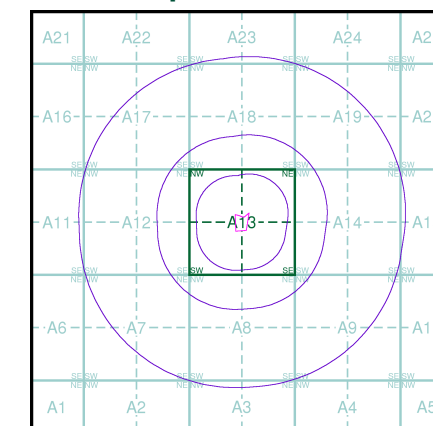
Source map scale - 1:10,560

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

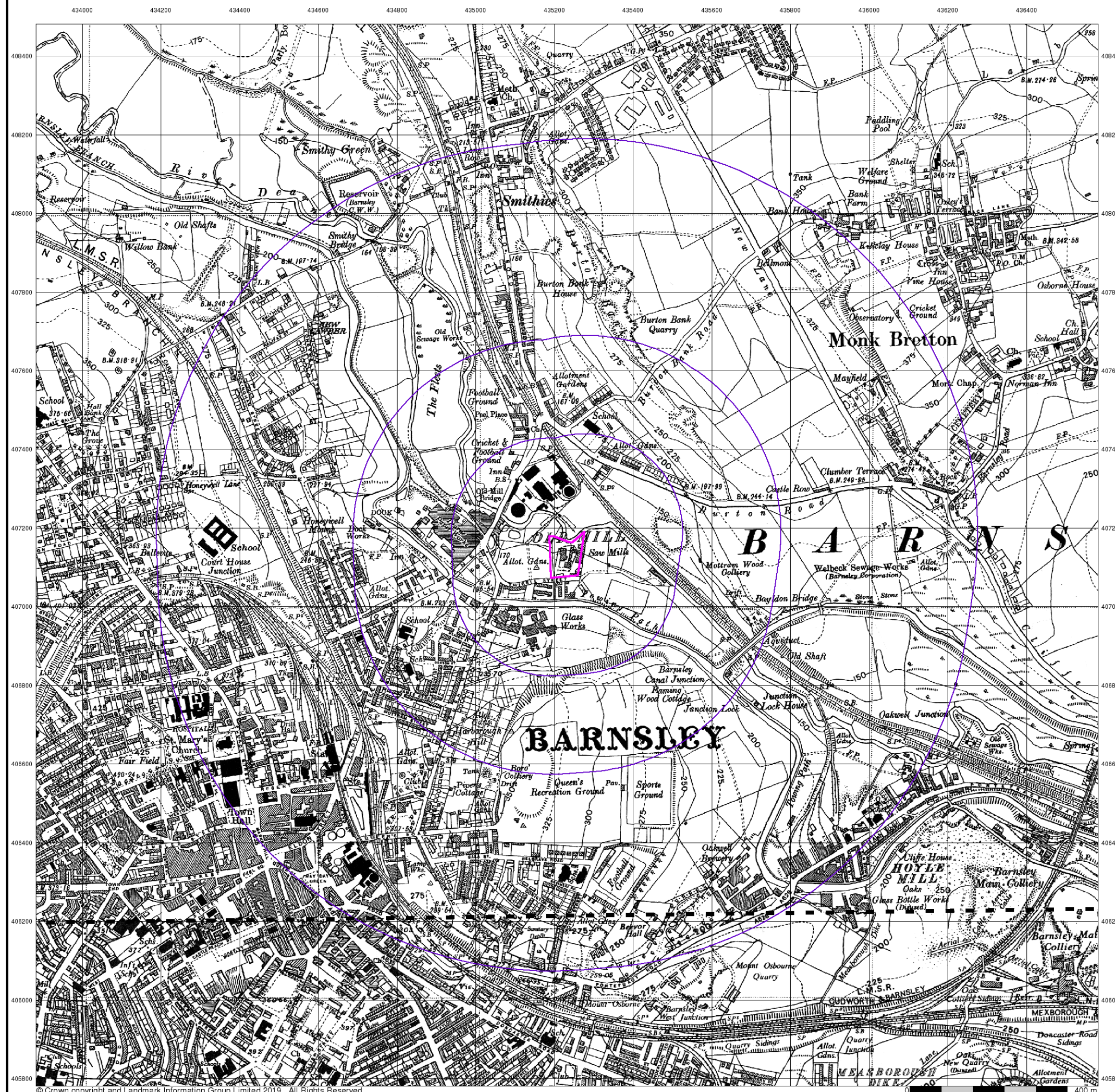
Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 1000

Site Details

Twibell Street, Barnsley, S71 1DL

Landmark
INFORMATION GROUP

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





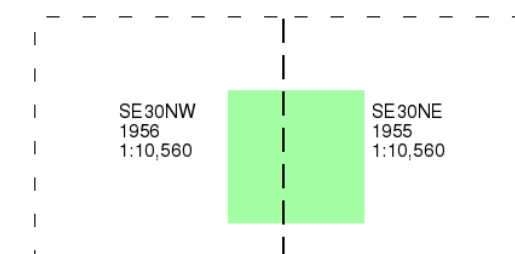
Ordnance Survey Plan

Published 1955 - 1956

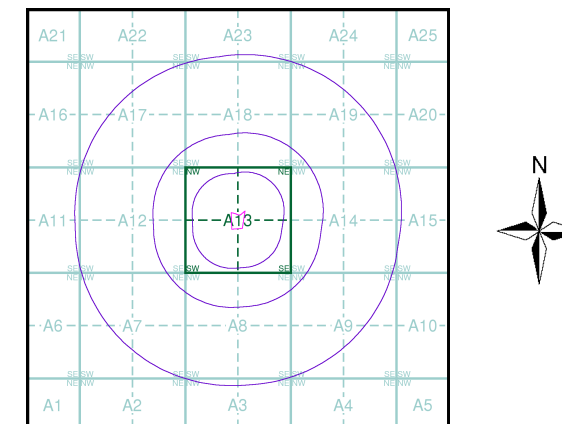
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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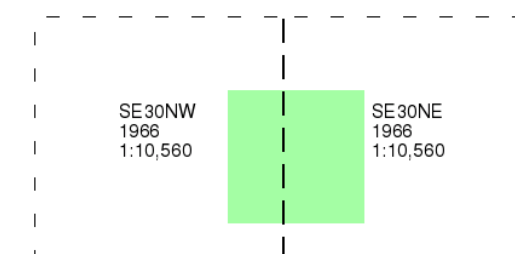
Ordnance Survey Plan

Published 1966

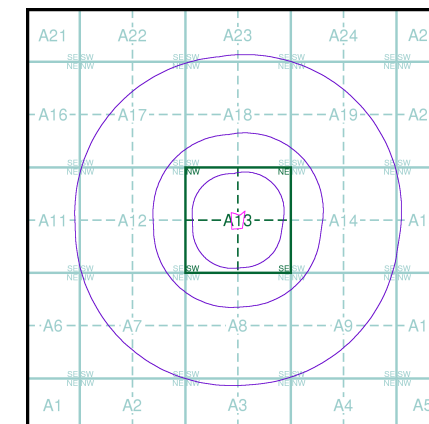
Source map scale - 1:10,000

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

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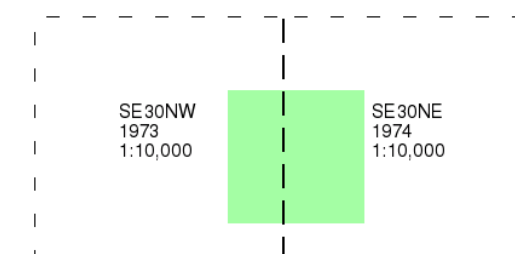
Ordnance Survey Plan

Published 1973 - 1974

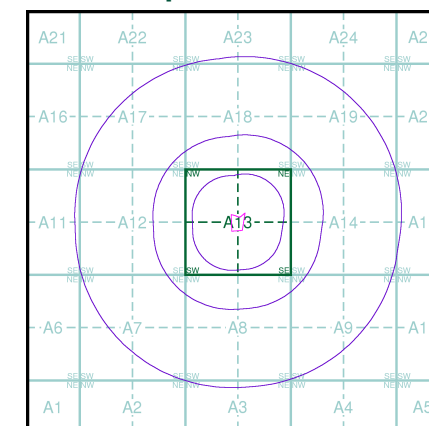
Source map scale - 1:10,000

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

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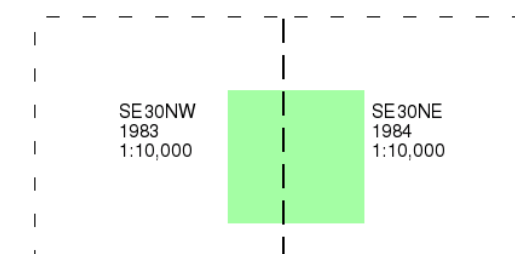
Ordnance Survey Plan

Published 1983 - 1984

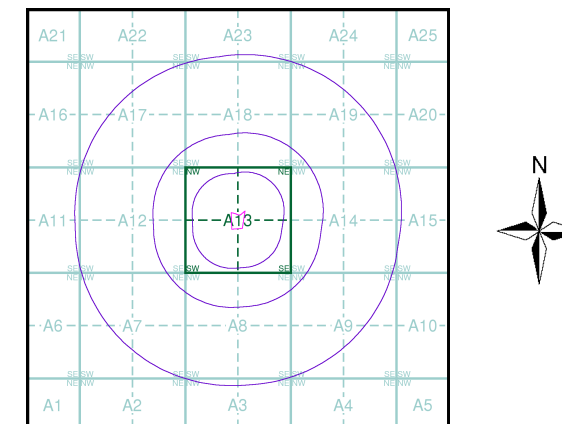
Source map scale - 1:10,000

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

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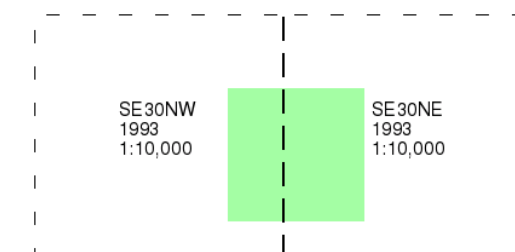
Ordnance Survey Plan

Published 1993

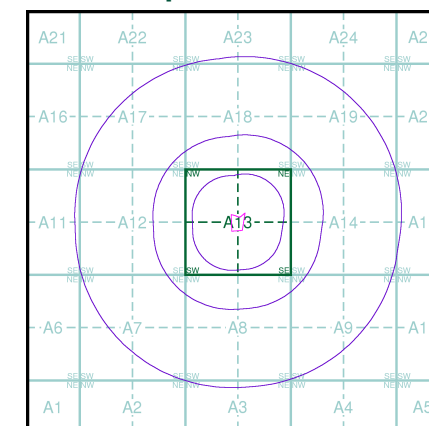
Source map scale - 1:10,000

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: 206145842_1_1
Customer Ref: S190553
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Slice: A
Site Area (Ha): 0.74
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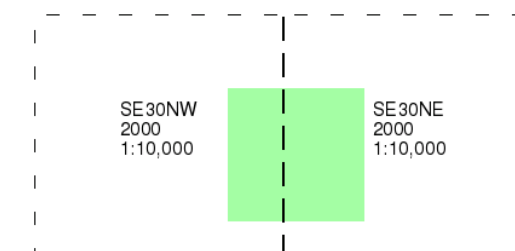
10k Raster Mapping

Published 2000

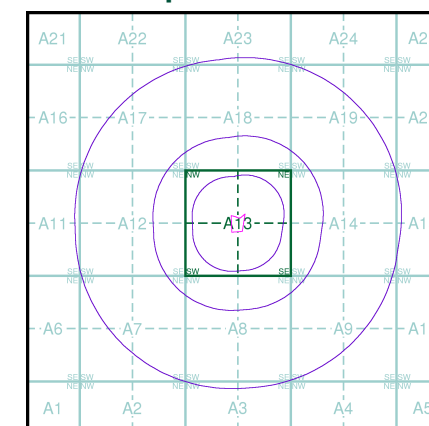
Source map scale - 1:10,000

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)



Historical Map - Slice A



Order Details

Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
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Site Details

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Street View

Published 2019

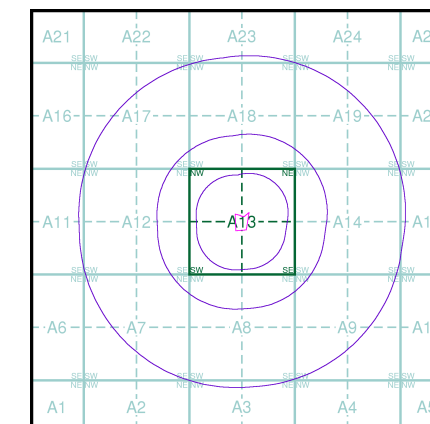
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

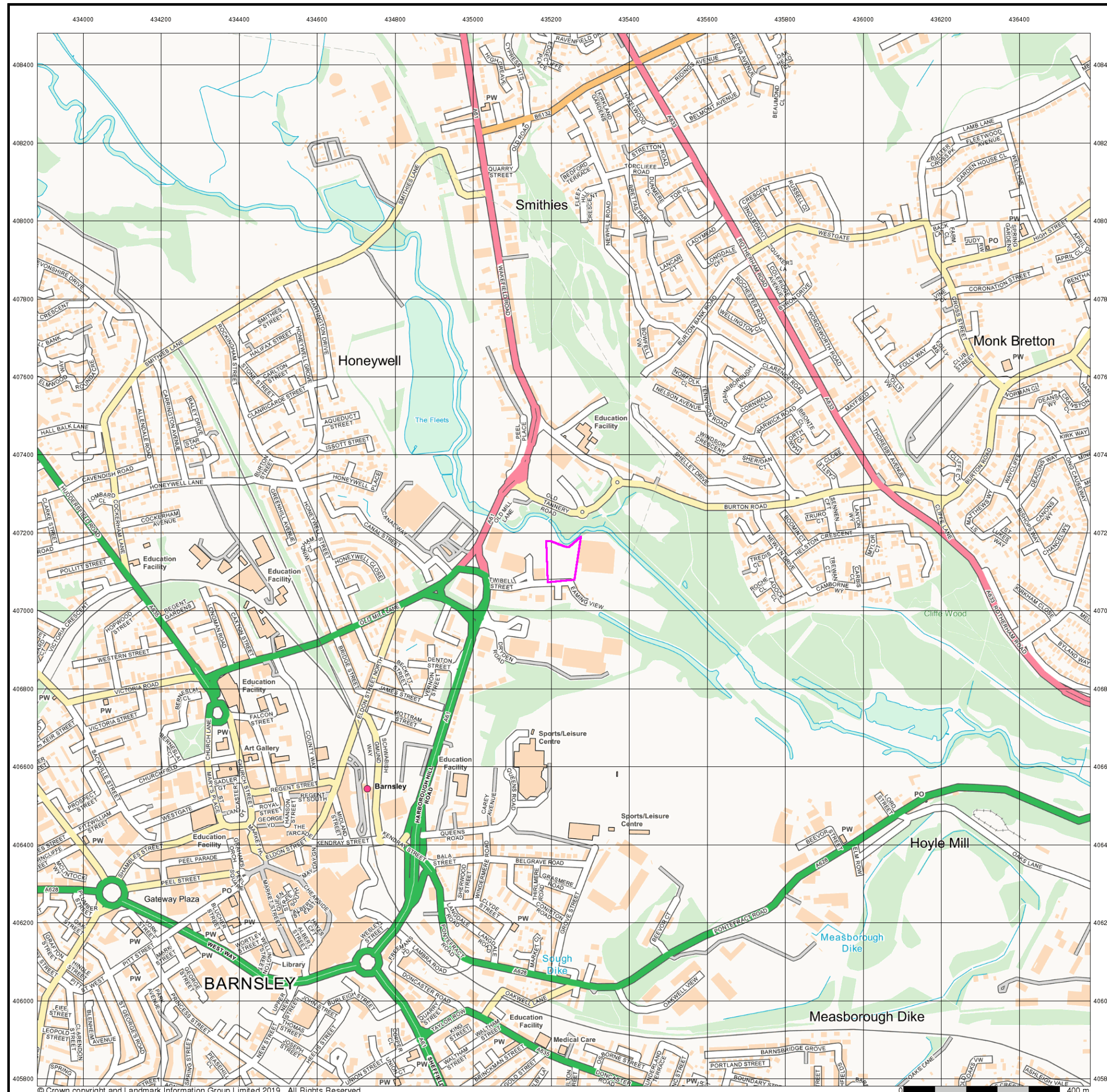
Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
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Site Details

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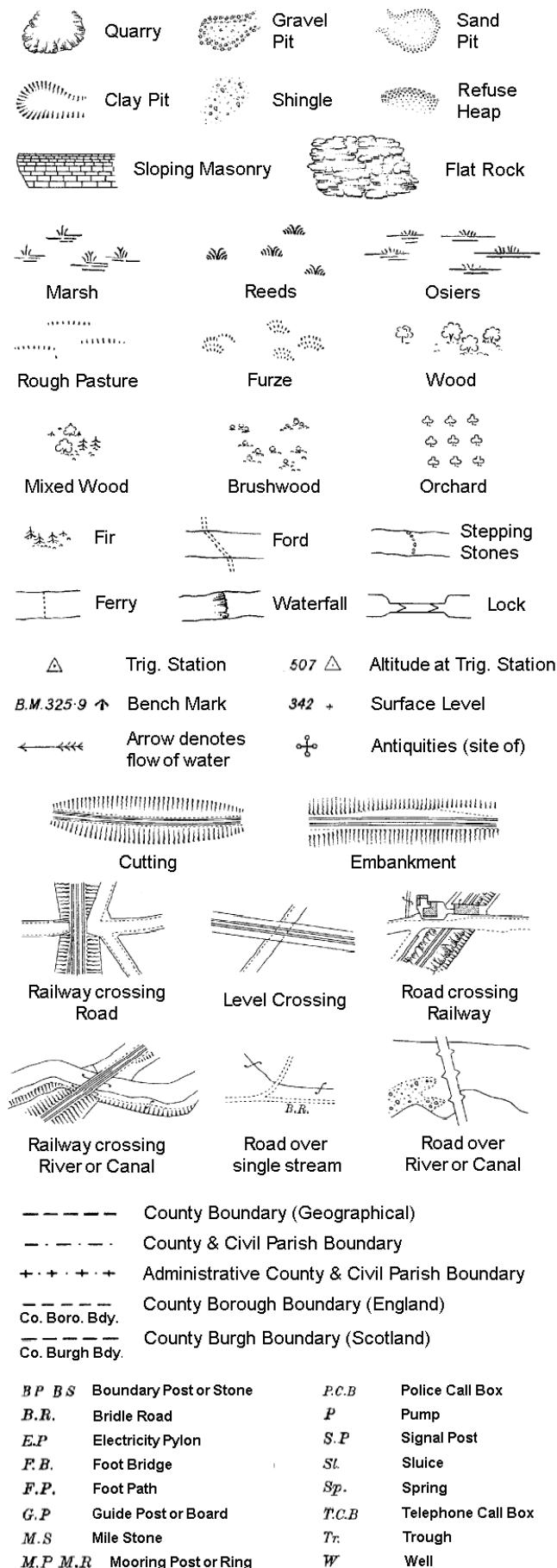
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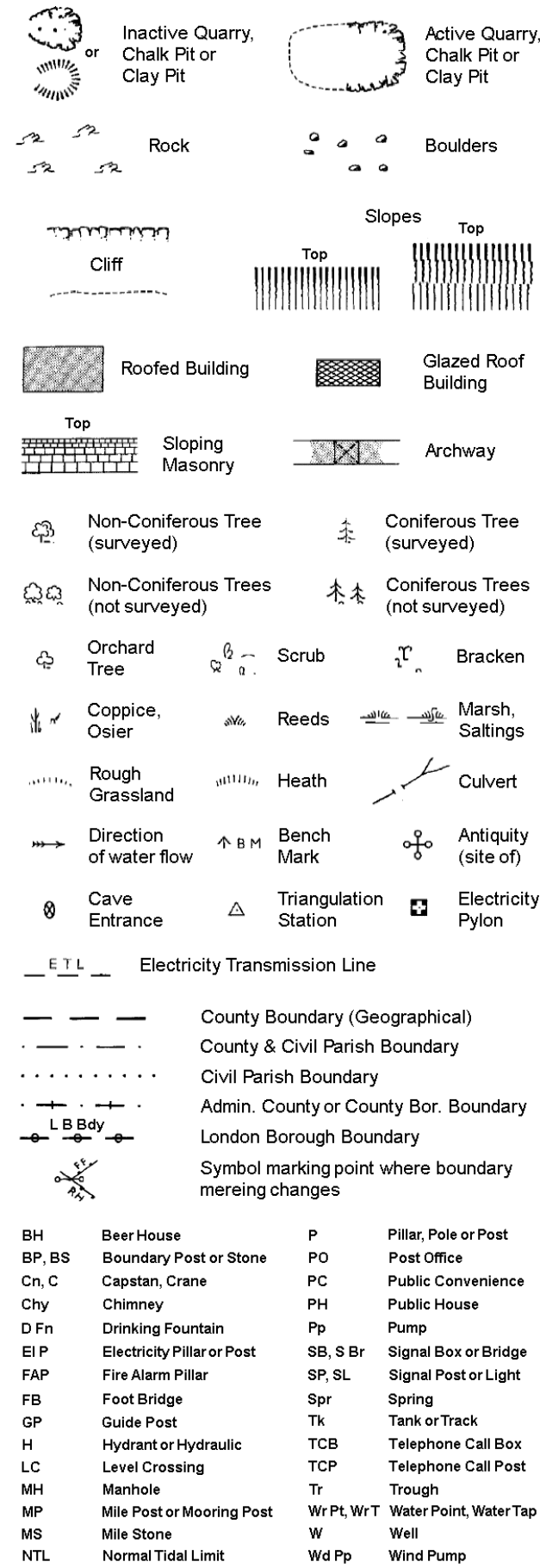


Historical Mapping Legends

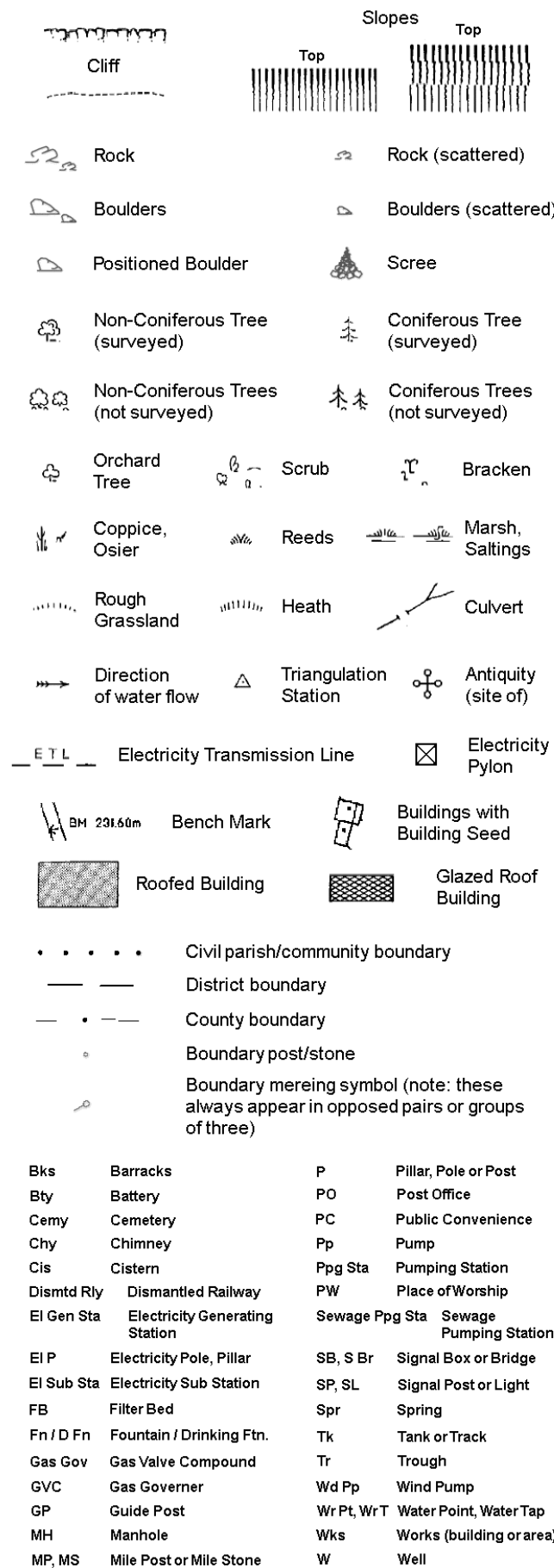
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



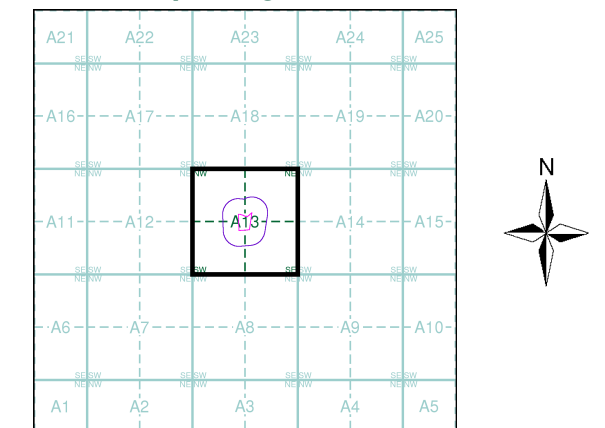
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1892	2
Yorkshire	1:2,500	1906	3
Yorkshire	1:2,500	1931	4
Ordnance Survey Plan	1:1,250	1960 - 1962	5
Ordnance Survey Plan	1:2,500	1962	6
Ordnance Survey Plan	1:1,250	1969 - 1973	7
Additional SIMs	1:1,250	1977 - 1986	8
Additional SIMs	1:1,250	1982 - 1991	9
Ordnance Survey Plan	1:1,250	1987 - 1990	10
Additional SIMs	1:1,250	1988 - 1990	11
Additional SIMs	1:1,250	1991	12
Large-Scale National Grid Data	1:1,250	1993	13
Large-Scale National Grid Data	1:1,250	1994	14

Historical Map - Segment A13



Order Details

Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 100

Site Details

Twibell Street, Barnsley, S71 1DL



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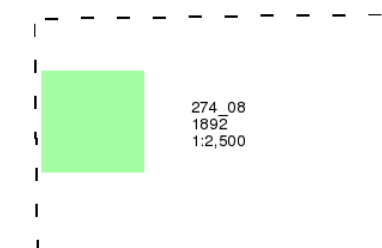
Yorkshire

Published 1892

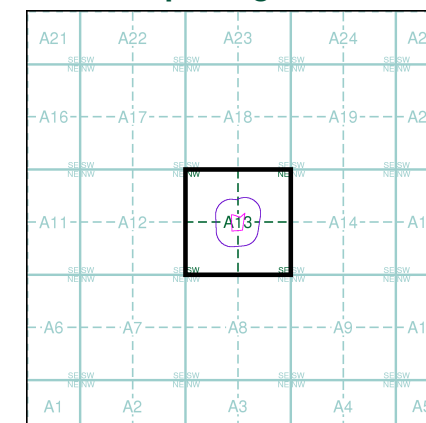
Source map scale - 1:2,500

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

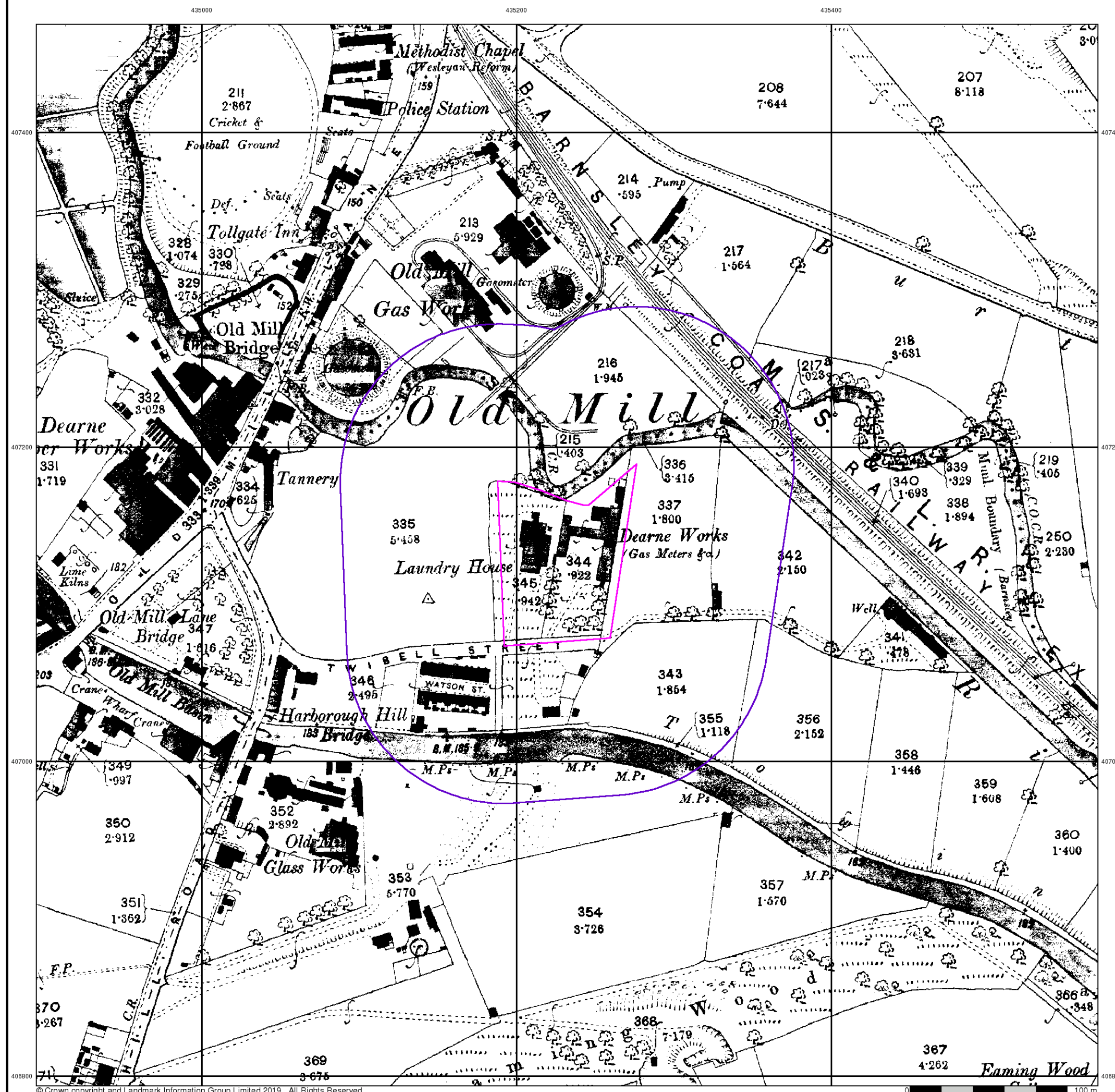
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Customer Ref: S190553
National Grid Reference: 435230, 407130
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Site Area (Ha): 0.74
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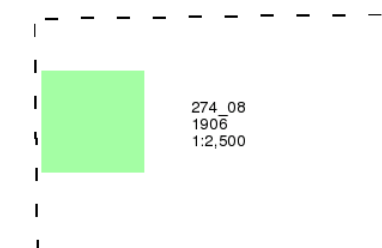
Yorkshire

Published 1906

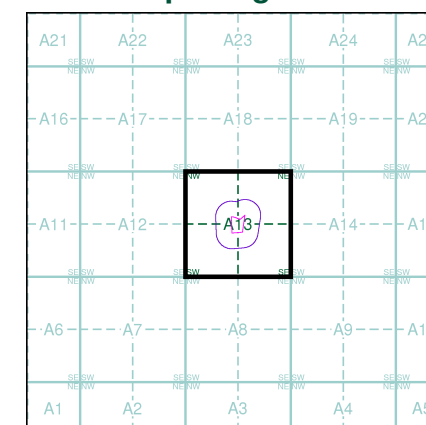
Source map scale - 1:2,500

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

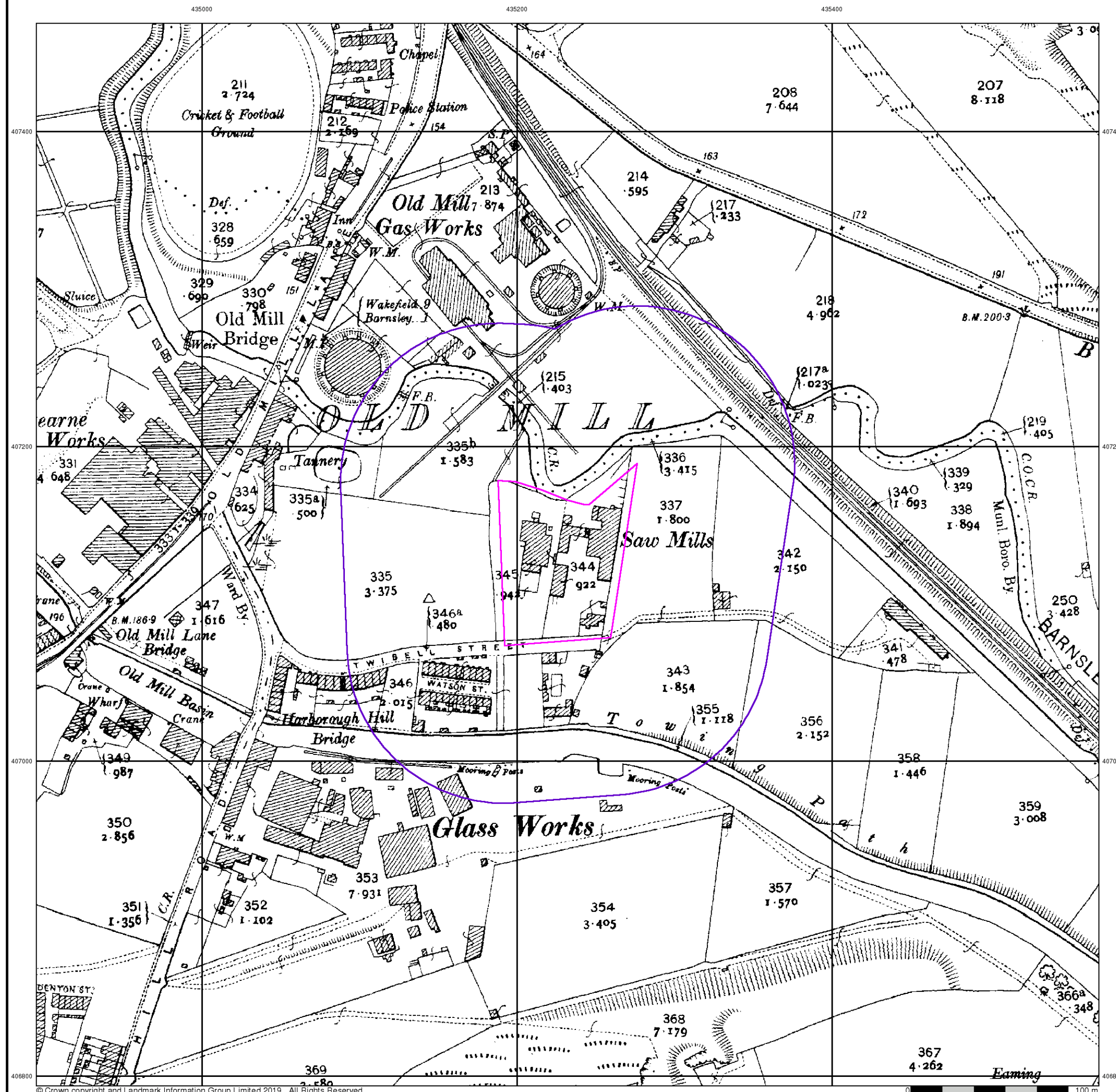


Order Details

Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
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Site Details

Twibell Street, Barnsley, S71 1DL





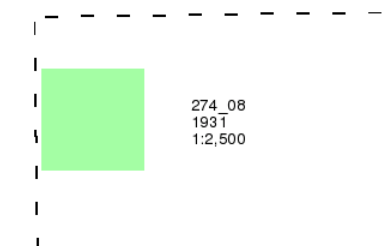
Yorkshire

Published 1931

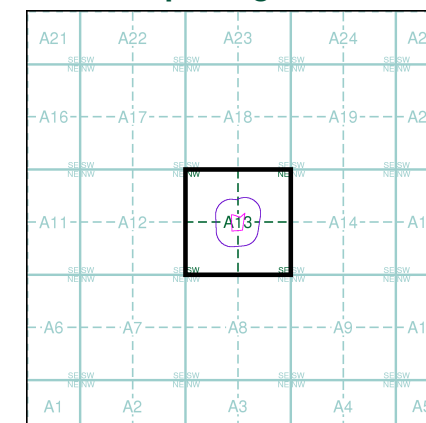
Source map scale - 1:2,500

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

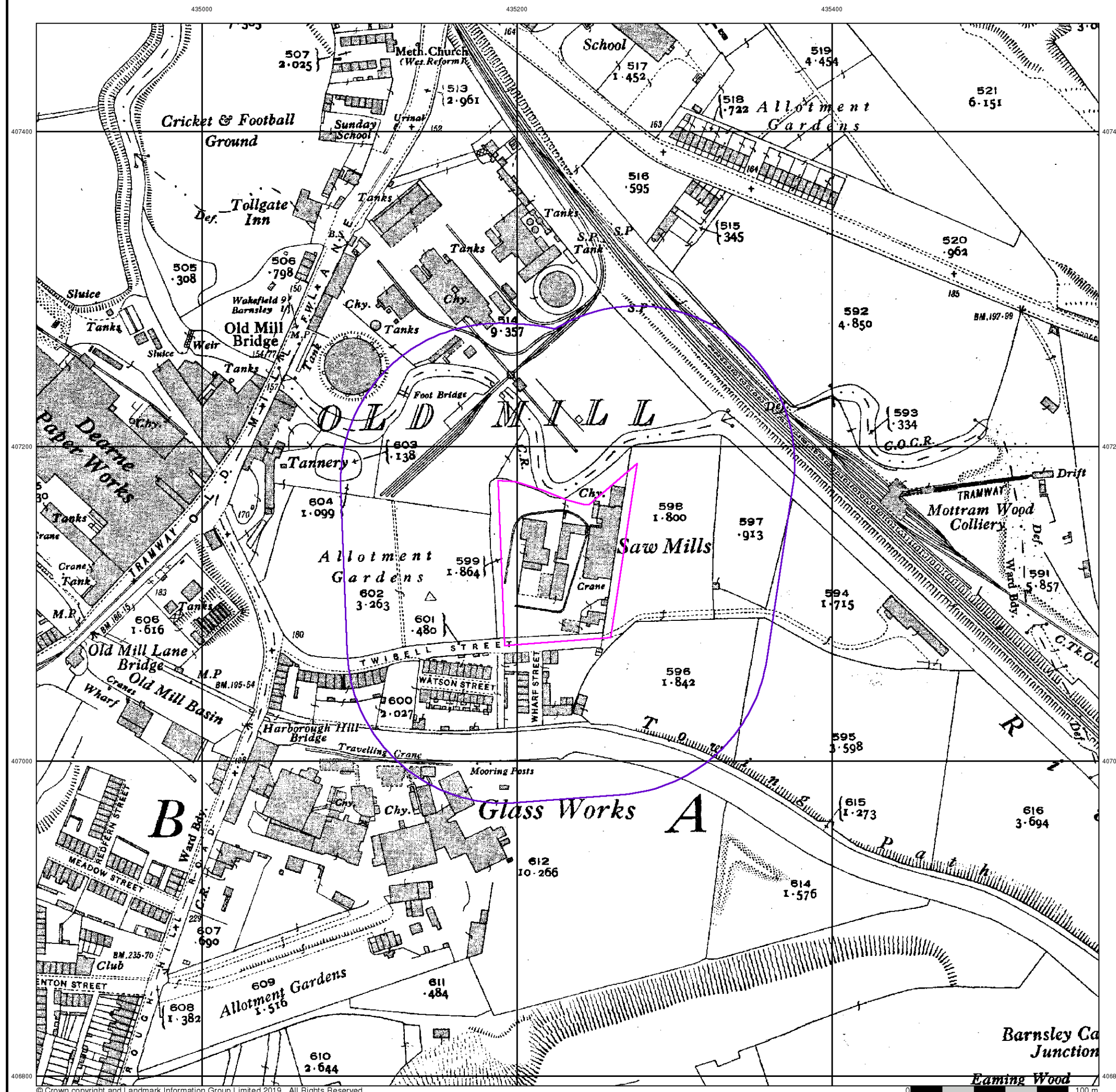
Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1960 - 1962

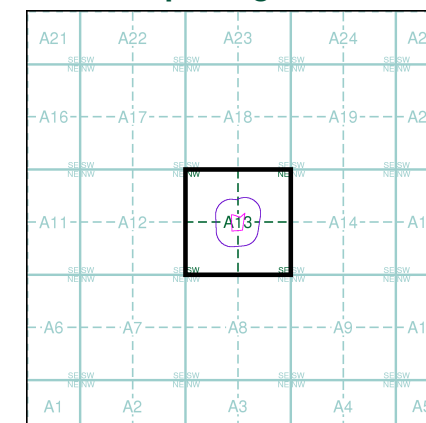
Source map scale - 1:1,250

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)

SE3407SE 1960 1:1,250	SE3507SW 1962 1:1,250	SE3507SE 1962 1:1,250
SE3406NE 1961 1:1,250	SE3506NW 1961 1:1,250	SE3506NE 1961 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 206145842_1_1
Customer Ref: S190553
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Search Buffer (m): 100

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Ordnance Survey Plan

Published 1962

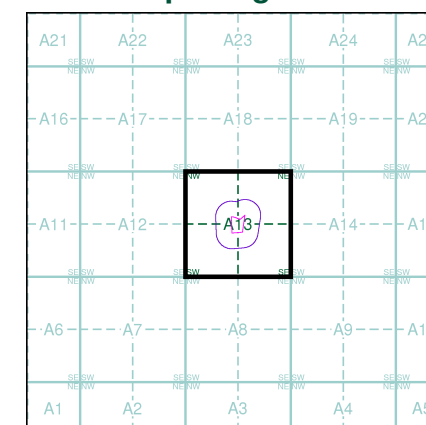
Source map scale - 1:2,500

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)

SE3407 1962 1:2,500	SE3507 1962 1:2,500
SE3406 1962 1:2,500	SE3506 1962 1:2,500

Historical Map - Segment A13



Order Details

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Ordnance Survey Plan

Published 1969 - 1973

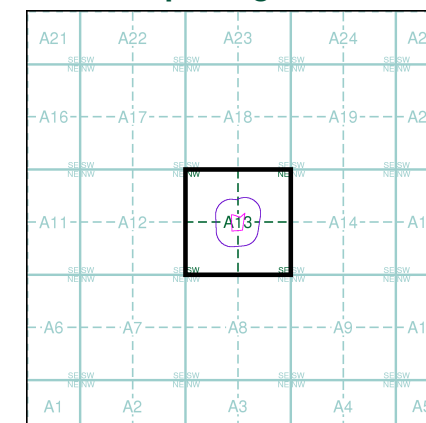
Source map scale - 1:1,250

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)

SE3407SE 1970 1:1,250	SE3507SW 1973 1:1,250	SE3507SE 1969 1:1,250
SE3406NE 1972 1:1,250		

Historical Map - Segment A13



Order Details

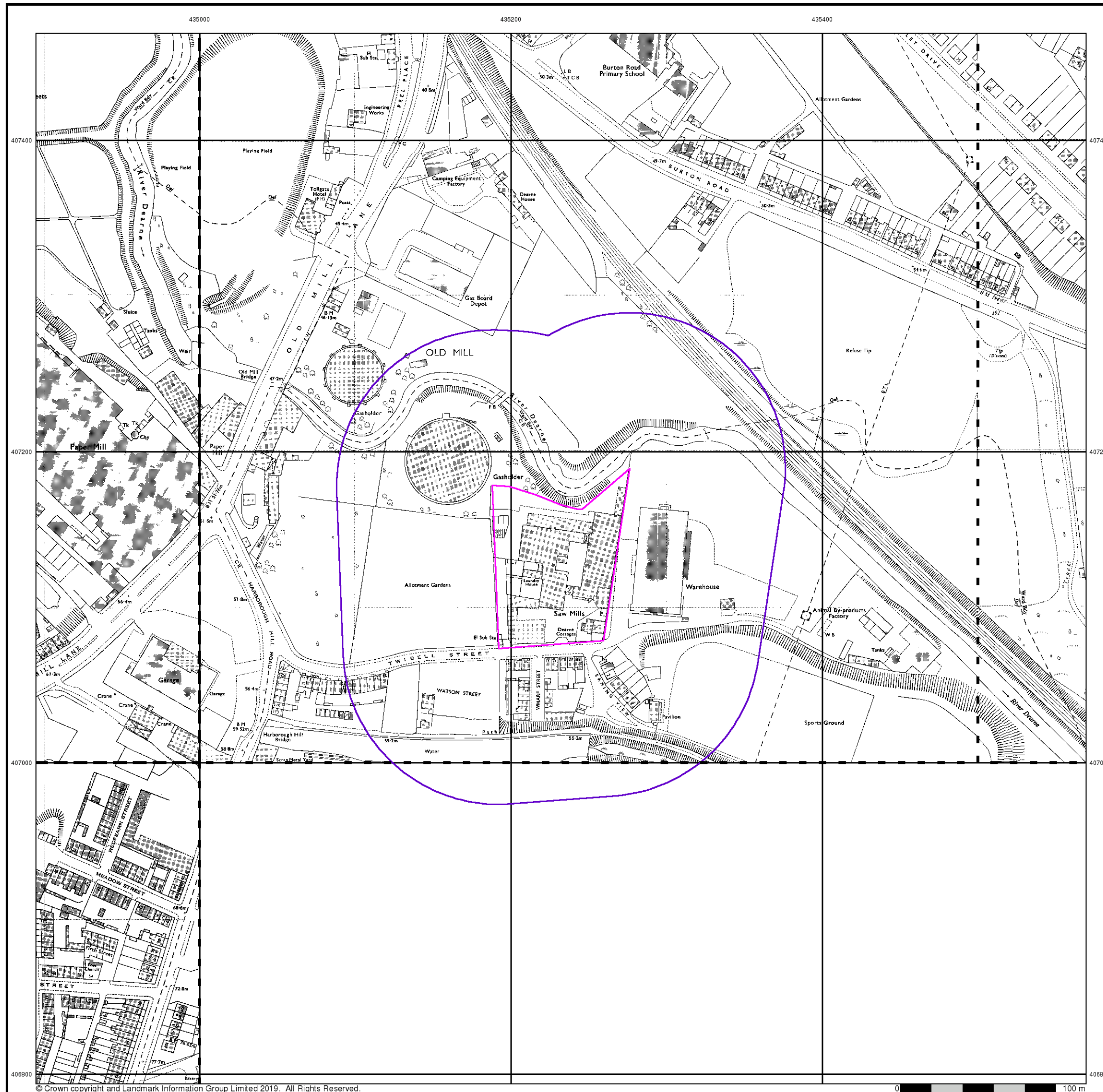
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Additional SIMs

Published 1977 - 1986

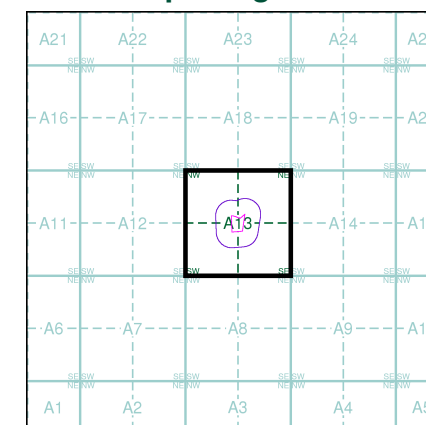
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SE3407SE 1979 1:1,250	SE3507SW 1982 1:1,250	SE3507SE 1981 1:1,250
SE3406NE 1977 1:1,250	SE3506NW 1983 1:1,250	SE3506NE 1986 1:1,250

Historical Map - Segment A13



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Additional SIMs

Published 1982 - 1991

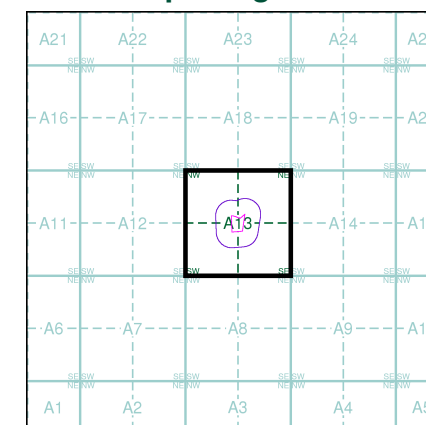
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SE3407SE 1982 1:1,250	SE3507SW 1991 1:1,250	SE3507SE 1984 1:1,250
SE3406NE 1991 1:1,250	SE3506NW 1989 1:1,250	

Historical Map - Segment A13



Order Details

Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 100

Site Details

Twibell Street, Barnsley, S71 1DL



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



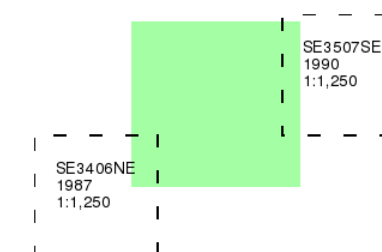
Ordnance Survey Plan

Published 1987 - 1990

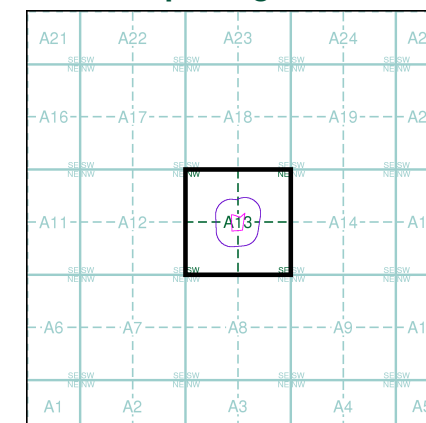
Source map scale - 1:1,250

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)



Historical Map - Segment A13



Order Details

Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
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Site Details

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Additional SIMs

Published 1988 - 1990

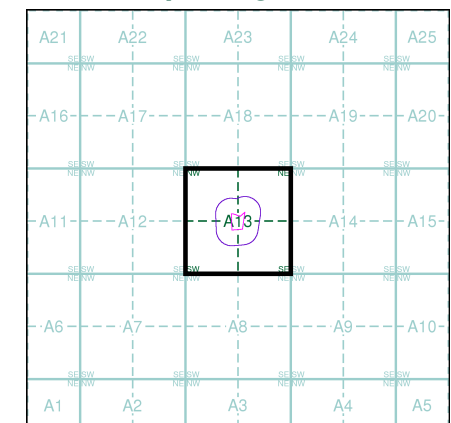
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SE3407SE 1989 1:1,250	SE3507SE 1988 1:1,250
SE3506NW 1990 1:1,250	

Historical Map - Segment A13



Order Details

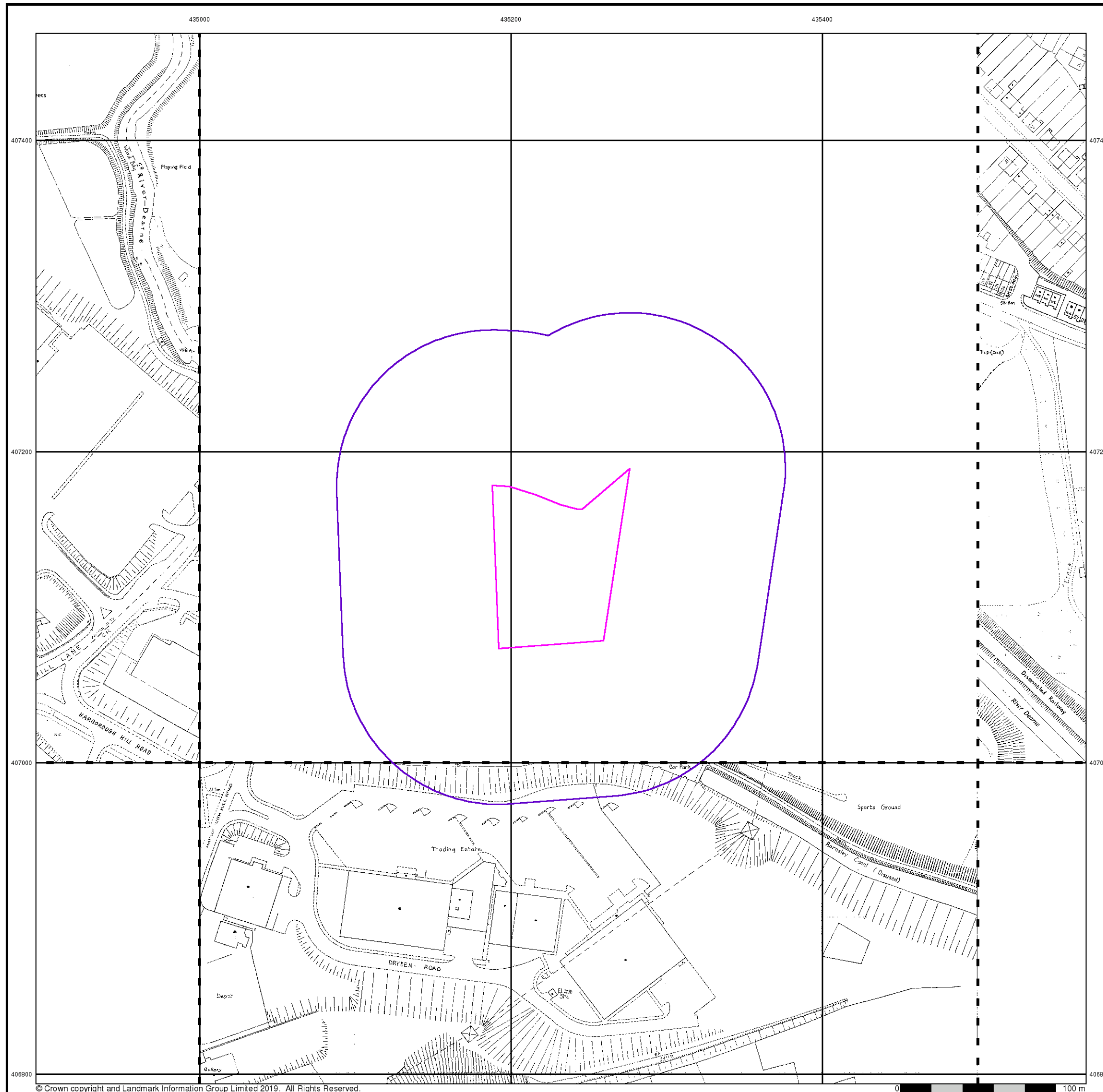
Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 100

Site Details

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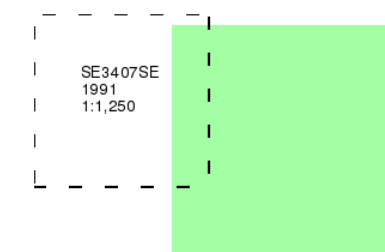
Additional SIMs

Published 1991

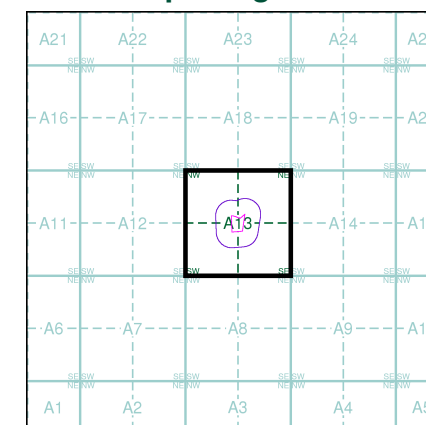
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

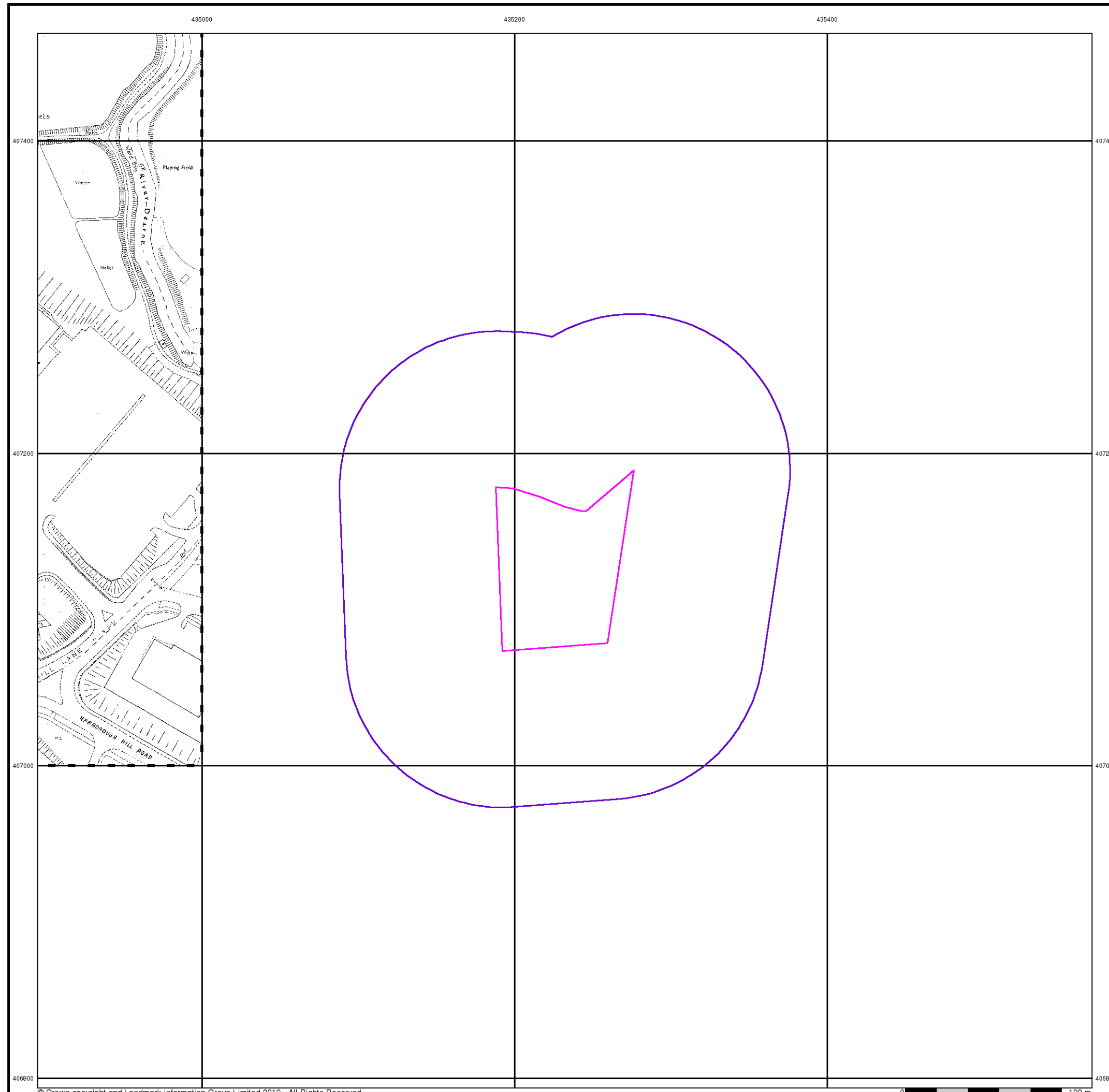
Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 100

Site Details

Twibell Street, Barnsley, S71 1DL



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Large-Scale National Grid Data

Published 1993

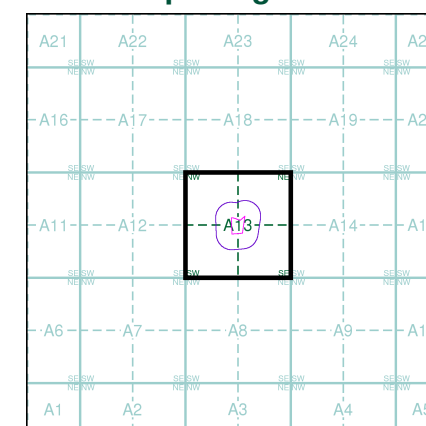
Source map scale - 1:1,250

'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)

SE3407SE	SE3507SW	SE3507SE
1993	1993	1993
1:1,250	1:1,250	1:1,250
SE3406NE	SE3506NW	SE3506NE
1993	1993	1993
1:1,250	1:1,250	1:1,250

Historical Map - Segment A13



Order Details

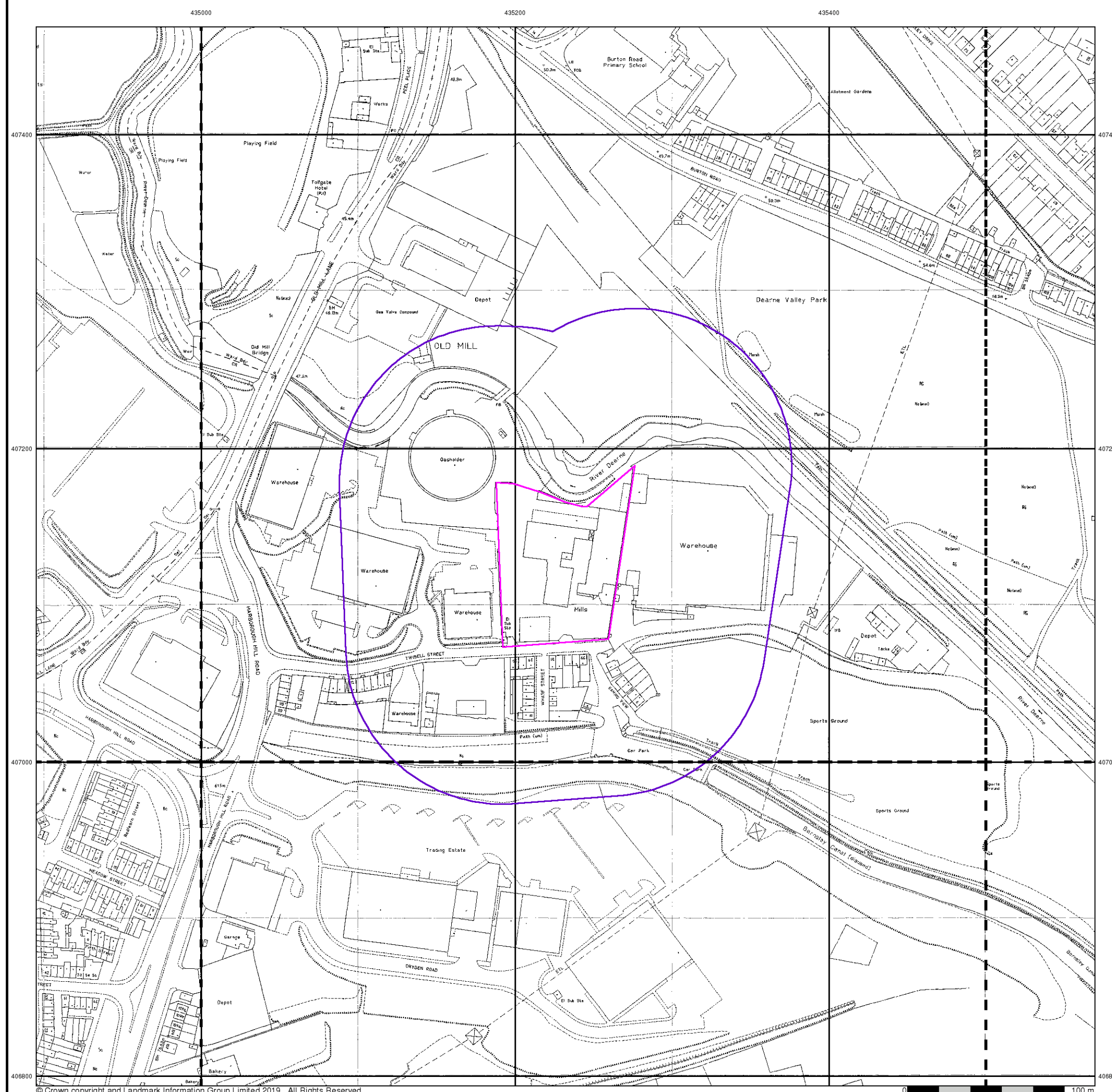
Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 100

Site Details

Twibell Street, Barnsley, S71 1DL

Landmark
INFORMATION GROUP

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





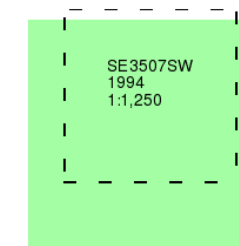
Large-Scale National Grid Data

Published 1994

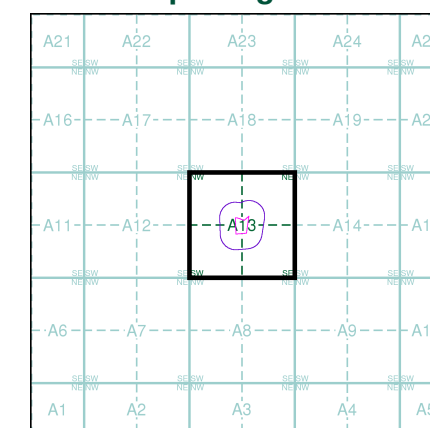
Source map scale - 1:1,250

'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)



Historical Map - Segment A13



Order Details

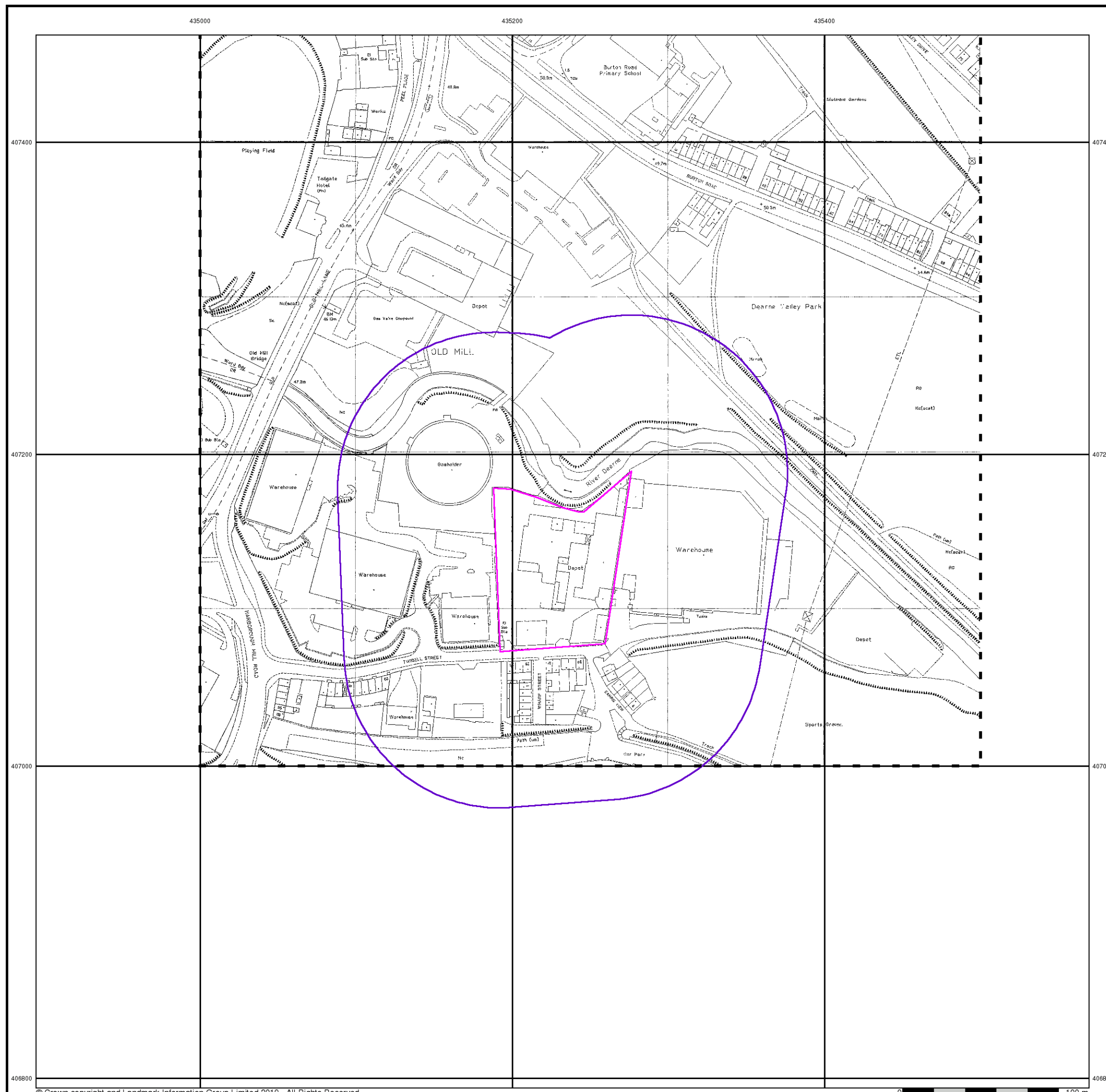
Order Number: 206145842_1_1
Customer Ref: S190553
National Grid Reference: 435230, 407130
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 100

Site Details

Twibell Street, Barnsley, S71 1DL



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Appendix C

Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

206145842_1_1

Customer Reference:

S190553

National Grid Reference:

435230, 407130

Slice:

A

Site Area (Ha):

0.74

Search Buffer (m):

1000

Site Details:

Twibell Street

Barnsley

S71 1DL

Client Details:

Mr R Woods

Solmek Ltd

12 Yarm Road

Stockton on Tees

Cleveland

TS18 3NA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	28
Hazardous Substances	39
Geological	40
Industrial Land Use	48
Sensitive Land Use	62
Data Currency	63
Data Suppliers	67
Useful Contacts	68

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		11	1	18
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 10			2	4
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 11		Yes		
Pollution Incidents to Controlled Waters	pg 11		10	1	14
Prosecutions Relating to Authorised Processes	pg 15				1
Registered Radioactive Substances					
River Quality	pg 15	1	1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 16		1		
Substantiated Pollution Incident Register	pg 16			1	1
Water Abstractions	pg 17		1		11 (*4)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 21	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 21	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 21	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 21	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 21	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas	pg 22		Yes	n/a	n/a
Flood Defences	pg 22		Yes	n/a	n/a
OS Water Network Lines	pg 22		10	10	26

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 28				1
Historical Landfill Sites	pg 28		2	4	8
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 31		1	1	2
Local Authority Landfill Coverage	pg 31	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 31		2	2	8
Registered Landfill Sites	pg 33		2	1	6
Registered Waste Transfer Sites	pg 36		1	1	4
Registered Waste Treatment or Disposal Sites	pg 38				1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 39		2		
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 39		1		
Planning Hazardous Substance Consents	pg 39		2		
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 40	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 40		2	3	21
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 44	Yes	n/a	n/a	n/a
Mining Instability	pg 44	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 44	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 44	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 45	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 45	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 46	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 46	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 47	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 48		12	27	111
Fuel Station Entries	pg 61		1		2
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 62		1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 62		1		
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 62	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	A13SE (SE)	0	1	435250 407100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	0	1	435200 407133
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	75	1	435350 407200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	125	1	435400 407200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	135	1	435300 406950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	144	1	435050 407050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	160	1	435050 407000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	174	1	435450 407150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	176	1	435150 407350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	185	1	435450 407250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	189	1	435050 406950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	190	1	435000 407200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	191	1	435000 407100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	207	1	435450 407000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	228	1	435500 407133
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (NW)	239	1	435100 407400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	259	1	435000 406900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	274	1	435550 407150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	275	1	435550 407200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	276	1	435500 407350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	277	1	435550 407133
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (E)	285	1	435550 407100

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	A13NE (NE)	296	1	435550 407300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	308	1	435500 407400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	324	1	435600 407133
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	334	1	435600 407100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (NW)	351	1	435050 407500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	357	1	435450 407500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	368	1	434900 406850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	382	1	435400 407550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	420	1	435000 406700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	430	1	435400 407600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (SW)	438	1	434850 406800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	447	1	434800 407400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	467	1	435350 407650
1	Discharge Consents Operator: British Gas Plc East Midlands Property Type: Undefined Or Other Location: No.4 Gasholder, Old Mill Depot, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C3558 Permit Version: 1 Effective Date: 4th August 1981 Issued Date: 4th August 1981 Revocation Date: 25th August 2000 Discharge Type: Trade Discharge - Process Water Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	81	2	435110 407200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barnsley Mfi Cso Twibell Street, Off Harbroughill Road, Barnsley, South Yorkshire, S71 1dl Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3671 Permit Version: 3 Effective Date: 8th November 2017 Issued Date: 8th November 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dearne Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	91	2	435100 407200
1	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barnsley Mfi Cso Twibell Street, Off Harbroughill Road, Barnsley, South Yorkshire, S71 1dl Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3671 Permit Version: 2 Effective Date: 31st March 2004 Issued Date: 3rd February 2004 Revocation Date: 7th November 2017 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dearne Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	91	2	435100 407200
1	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barnsley Mfi Cso Twibell Street, Off Harbroughill Road, Barnsley, South Yorkshire, S71 1dl Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3671 Permit Version: 1 Effective Date: 19th January 1983 Issued Date: 19th January 1983 Revocation Date: 30th March 2004 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dearne Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	91	2	435100 407200
1	Discharge Consents Operator: Ms Davidson Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barnsley Mfi Cso Twibell Street, Off Harbroughill Road, Barnsley, South Yorkshire, S71 1dl Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3558 Permit Version: 1 Effective Date: 4th August 1981 Issued Date: 4th August 1981 Revocation Date: 25th August 2000 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Dearne Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	91	2	435100 407200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: British Gas Plc - Transco Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barnsley Mfi Cso Twibell Street, Off Harbroughill Road, Barnsley, South Yorkshire, S71 1dl Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3558 Permit Version: 1 Effective Date: 4th August 1981 Issued Date: 4th August 1981 Revocation Date: 25th August 2000 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Dearne Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	91	2	435100 407200
2	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Old Mill, Old Mill Lane, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th June 1993 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	141	2	435055 407225
2	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Old Mill-Old Mill Lane, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 29th May 1963 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	146	2	435050 407225
2	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/Cb/8 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	146	2	435055 407237

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Old Mill Lane Cso Old Mill Lane (Adj Warehouse), Old Mill, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra9206 Permit Version: 1 Effective Date: 28th August 2007 Issued Date: 28th August 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Dearne 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	A13NW (NW)	148	2	435050 407230
2	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Old Mill-Old Mill Lane, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/B/34 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 31st May 1963 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	148	2	435050 407230
3	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Regent Street, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Ywucd2/4 Permit Version: 1 Effective Date: 12th November 1997 Issued Date: 12th November 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Dearne 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	A12SE (SW)	397	2	434832 406906
4	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/Cb/8 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	845	2	434710 406380

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Kendray Street Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th June 1993 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	849	2	434710 406375
4	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/Cb/8 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	873	2	434720 406340
4	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Kendray Street, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th June 1993 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	877	2	434720 406335
5	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Smithies Lane Cso, Smithies Lane, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7958 Permit Version: 1 Effective Date: 28th March 2003 Issued Date: 28th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The River Dearne 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	A17NE (NW)	905	2	434790 407990

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Ballotini Works Cso, Pontefract Road Track Off, Barnsley, South Yorkshire, S71 1hg Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra8165 Permit Version: 1 Effective Date: 31st March 2004 Issued Date: 26th February 2004 Revocation Date: 7th November 2017 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Measborough Dike 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	A9NE (SE)	911	2	436040 406610
7	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Smithies Lane, Honeywell, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th June 1993 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	916	2	434840 408025
7	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Honeywell-Smithies Lane, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 29th May 1963 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	921	2	434840 408030
7	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/Cb/8 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	922	2	434840 408032

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Pontefract Road Cso Pontefract Road, Hoyle Mill, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7468 Permit Version: 2 Effective Date: 22nd December 1998 Issued Date: 22nd December 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sough Dyke Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	921	2	435640 406240
8	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Pontefract Road Cso Pontefract Road, Hoyle Mill, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7468 Permit Version: 1 Effective Date: 23rd November 1998 Issued Date: 23rd November 1998 Revocation Date: 21st December 1998 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sough Dyke Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	921	2	435640 406240
9	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Pontefract Road-Express Dairy, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 29th May 1963 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SW (S)	955	2	434990 406140
9	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/Cb/8 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m	A8SW (S)	955	2	434992 406140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Express Dairy, Pontefract Road, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th June 1993 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SW (S)	960	2	434990 406135
9	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Lambra Road Cso, Lambra Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: WRA7491 Permit Version: 1 Effective Date: 16th February 1999 Issued Date: 16th February 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sough Dyke (Culvert) Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A3NW (S)	981	2	435010 406110
9	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/Cb/8 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m	A3NW (S)	996	2	434993 406098
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/Cb/8 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	993	2	434560 406308

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 29th May 1963 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	999	2	434560 406300
11	Prosecutions Relating to Controlled Waters Location: Twibell Street, BARNSELY, South Yorkshire, S71 1DN Prosecution Text: EA News Release 27/05/1998, Causing poisonous, noxious or polluting matter, namely red diesel to enter the River Dearne via surface water drains. Prosecution Act: WRA91 Hearing Date: 27th May 1998 Verdict: Guilty Fine: 7500 Cost: 961 Positional Accuracy: Manually positioned within the geographical locality	A13SW (S)	3	2	435218 407073
12	Local Authority Pollution Prevention and Controls Name: Walter Fisher Ltd Location: Meadow Street, Barnsley, S71 1DE Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	292	3	434940 406926
13	Local Authority Pollution Prevention and Controls Name: Asda Petrol Filling Station Location: Old Mill Lane, Barnsley, South Yorkshire, S71 1LN Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/101 Dated: 7th March 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A12NE (W)	334	3	434860 407240
14	Local Authority Pollution Prevention and Controls Name: Bretton Service Station Location: Rotherham Road, MONK BRETTON, BARNSELY, South Yorkshire, S71 2DD Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/112 Dated: 29th March 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A19SE (NE)	746	3	435928 407551
15	Local Authority Pollution Prevention and Controls Name: Wakefield Road Service Station Location: Wakefield Road, Barnsley, S71 1NJ Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A18NW (N)	802	3	435090 407974

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Local Authority Pollution Prevention and Controls Name: D C Cook Ltd Location: Wakefield Road, Barnsley, S75 1NJ Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards 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 road within the address or location	A18NW (N)	843	3	435052 408010
17	Local Authority Pollution Prevention and Controls Name: Gpf Stations Ltd Location: Pontefract Road, Oakwell, BARNSELY, S71 1HA Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Epa/Petrol30 Dated: 16th August 2000 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Site Closed Positional Accuracy: Manually positioned to the road within the address or location	A3NW (S)	998	3	435026 406090
	Nearest Surface Water Feature	A13NE (N)	5	-	435236 407171
18	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Footbridge/Footbridge Dearne 18 Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 26th February 1992 Incident Reference: 130994 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	A13NE (NE)	27	2	435300 407200
19	Pollution Incidents to Controlled Waters Property Type: Surface Water Sewers Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 27th April 1994 Incident Reference: 150742 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	A13NW (N)	118	2	435200 407295
19	Pollution Incidents to Controlled Waters Property Type: Surface Water Sewers Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 23rd April 1994 Incident Reference: 150748 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	A13NW (N)	123	2	435200 407300
20	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 20th September 1991 Incident Reference: 126712 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	A13NW (NW)	144	2	435105 407295

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewage Treatment Works Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Sewage - Treated Effluent Note: Not Supplied Incident Date: 22nd July 1990 Incident Reference: 112937 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	A13NW (NW)	147	2	435100 407295
20	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewage Treatment Works Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Foam Note: Not Supplied Incident Date: 21st May 1990 Incident Reference: 110784 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	A13NW (NW)	151	2	435100 407300
21	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Miscellaneous - No Visible Pollution/Nothing Found Note: Not Supplied Incident Date: 2nd July 1992 Incident Reference: 134407 Catchment Area: Not Given Receiving Water: No Pollution Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	184	2	435300 406900
22	Pollution Incidents to Controlled Waters Property Type: Food industry Location: Old Mill Lane, BARNSELEY Authority: Environment Agency, North East Region Pollutant: Sewage - Wrong Connection Note: River Dearne; No Fish Killed Incident Date: 23rd August 1998 Incident Reference: SH980456 Catchment Area: Dearne 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	A13NW (NW)	201	2	435001 407251
22	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Old Mill Bridge A61, /Smithies Ln Dearne 16 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 11th June 1990 Incident Reference: 111488 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	A13NW (NW)	224	2	435001 407301
23	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: River Dearne At, Dearne Valley Park Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: No Fish Killed Incident Date: 1st January 1997 Incident Reference: SH970001 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	225	2	435500 407200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewage Treatment Works Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 20th August 1990 Incident Reference: 113846 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	A13SW (W)	291	2	434900 407100
25	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 1st November 1993 Incident Reference: 148570 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	A8SW (S)	699	2	435001 406401
26	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 1st July 1994 Incident Reference: 152787 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	A14SE (SE)	792	2	436000 406800
27	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 3rd September 1992 Incident Reference: 136705 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	A17NE (NW)	820	2	434800 407900
28	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 15th November 1993 Incident Reference: 148792 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	A9NE (SE)	832	2	436000 406700
28	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Dearne Valley Park, Hoyle Mill, BARNSELEY Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: River Dearne; No Fish Killed Incident Date: 25th July 1998 Incident Reference: SH980382 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	856	2	436000 406650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Smithies Lane/Foot Bridge Dearne 17 Authority: Environment Agency, North East Region Pollutant: Chemicals - Solvents Note: Not Supplied Incident Date: 5th June 1992 Incident Reference: 133712 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	A17NE (NW)	872	2	434700 407900
30	Pollution Incidents to Controlled Waters Property Type: Surface Water Sewers Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 13th January 1994 Incident Reference: 149693 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	922	2	436100 406700
30	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Measurborough Dyke At Confluence Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: No Fish Killed Incident Date: 4th September 1997 Incident Reference: SH970474 Catchment Area: Dearne 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	A9NE (SE)	925	2	436100 406695
31	Pollution Incidents to Controlled Waters Property Type: Fire Water Location: Smithies Reservoir, BARNSELEY Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: River Dearne; Less Than Ten Fish Killed Incident Date: 16th June 1998 Incident Reference: SH980307 Catchment Area: Dearne Receiving Water: Pond/Lake Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	952	2	434700 407995
31	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Old Mill Bridge A61, /Smithies Ln Dearne 16 Authority: Environment Agency, North East Region Pollutant: Algae Note: Not Supplied Incident Date: 17th September 1990 Incident Reference: 114919 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	A17NE (NW)	956	2	434700 408000
32	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: River Dearne And, Dearne Valley Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: No Pollution Found; No Fish Killed Incident Date: 15th April 1996 Incident Reference: SH960142 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	968	2	436100 406600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: River Dearne & Dearne Valley Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: No Fish Killed Incident Date: 15th April 1996 Incident Reference: SH960142 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	970	2	436100 406595
32	Pollution Incidents to Controlled Waters Property Type: Road Location: River Dearne On , Pontefract Road Authority: Environment Agency, North East Region Pollutant: Not Given Note: River Dearne; No Pollution Found; Fish Killed: No Information Incident Date: 17th September 1998 Incident Reference: SH980337 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A9NE (SE)	972	2	436105 406600
32	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Road Bridge A628, /Old Mill Bridge A61 Dearne 15 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 5th November 1992 Incident Reference: 138626 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	A9NE (SE)	975	2	436105 406595
33	Prosecutions Relating to Authorised Processes Location: Beevor Steet, Hoyle Mill, Barnsley Prosecution Text: Operating an illegal waste transfer station Prosecution Act: Epr08 R12 & 38(1)(A) Hearing Date: 1st November 2009 Verdict: Guilty Fine: 5000 Costs: 2926 Positional Accuracy: Manually positioned to the road within the address or location	A9SE (SE)	930	2	435925 406430
	River Quality Name: River_Dearne GQA Grade: River Quality C Reach: New_Lodge_Old_Mil Estimated Distance (km): 3 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A13NE (NE)	0	2	435244 407160
	River Quality Name: River_Dearne GQA Grade: River Quality C Reach: Old_Mill_Lundwood_St Estimated Distance (km): 5.5 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A13SE (E)	249	2	435505 407039

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	River Quality Chemistry Sampling Points Name: River Dearne Reach: New Lodge To Old Mill Estimated Distance: 3.00 Objective: Not Supplied Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good 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 D - Fair Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - 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 D - Fair Compliance: Not Supplied	A13NW (NW)	91	2	435100 407200
35	Substantiated Pollution Incident Register Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 2nd March 2004 Incident Reference: 220137 Water Impact: Category 3 - Minor Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Crude Sewage	A18SW (NW)	437	2	435014 407578
36	Substantiated Pollution Incident Register Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 12th January 2003 Incident Reference: 130590 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Oils - Diesel (Including Agricultural)	A9NE (SE)	912	2	436057 406638

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Water Abstractions Operator: C C Cooper Limited Licence Number: 2/27/08/045 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): 295 Yearly Rate (m3): 107522 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	A13SW (SW)	118	2	435100 407000
38	Water Abstractions Operator: Barnsley Metropolitan Borough Council Licence Number: 2/27/08/141/R01 Permit Version: 1 Location: River Dearne At Dearne Valley Country Park Authority: Environment Agency, North East Region Abstraction: Municipal Grounds: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dearne Valley County Park, Pontefract Road, Hoyle Mill, Barnsley, South Yorkshire Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 12th April 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	502	2	435704 406846
38	Water Abstractions Operator: Barnsley Metropolitan Borough Council Licence Number: 2/27/08/141 Permit Version: 1 Location: River Dearne Authority: Environment Agency, North East Region Abstraction: Municipal Grounds: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dearne Valley County Park, Pontefract Road, Hoyle Mill, Barnsley, South Yorkshire Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	506	2	435710 406850
38	Water Abstractions Operator: Barnsley Metropolitan Borough Council Licence Number: 2/27/08/122 Permit Version: 101 Location: River Dearne Authority: Environment Agency, North East Region Abstraction: Municipal Grounds: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dearne Valley County Park, Pontefract Road, Hoyle Mill, Barnsley, South Yorkshire Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st August 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	506	2	435710 406850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	Water Abstractions Operator: Barnsley Metropolitan Borough Council Licence Number: 2/27/08/122 Permit Version: 100 Location: River Dearne Authority: Environment Agency, North East Region Abstraction: Crown and Government: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 87 Yearly Rate (m3): 7800 Details: Dearne Valley County Park, Pontefract Road, Hoyle Mill, Barnsley, South Yorkshire Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 7th October 1998 Permit End Date: Not Supplied Positional Accuracy: Approximate location provided by supplier	A14SW (SE)	506	2	435710 406850
39	Water Abstractions Operator: Yorkshire Water Plc Licence Number: 2/27/08/057 Permit Version: Not Supplied Location: County Borough Of Barnsley Authority: Environment Agency, North East Region Abstraction: Unclassified (Other) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 18 Yearly Rate (m3): 2273 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	A17SE (NW)	505	2	434800 407500
40	Water Abstractions Operator: Star Paper Mills Licence Number: 2/27/08/042 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Unclassified Combinations Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 3410 Yearly Rate (m3): 640986 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	A18SW (NW)	596	2	434900 407700
41	Water Abstractions Operator: Barnsley Football Club 2002 Ltd Licence Number: Ne/027/0008/014 Permit Version: 1 Location: Borehole - Coal Measures - Oakwell Road - Barnsley Authority: Environment Agency, North East Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct 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: 29th June 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	643	2	435336 406441

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Water Abstractions Operator: Barnsley Metropolitan District Council Licence Number: 2/27/08/115 Permit Version: Not Supplied Location: Dearne Valley Park, BARNSELEY Authority: Environment Agency, North East Region Abstraction: Pond level maintenance Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 18 Yearly Rate (m3): 2464000 Details: Status: Withdrawn 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	A9NW (SE)	745	2	435900 406700
43	Water Abstractions Operator: The Barnsley Brewery Company Ltd Licence Number: 2/27/08/027 Permit Version: Not Supplied Location: Oakwell Brewery, BARNSELEY Authority: Environment Agency, North East Region Abstraction: Cooling/Gen Ind. Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 136 Yearly Rate (m3): 0 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Unknown	A9SW (SE)	830	2	435800 406450
43	Water Abstractions Operator: The Barnsley Brewery Company Limited Licence Number: 2/27/08/003 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Cooling/Gen Ind. Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 614 Yearly Rate (m3): 116605 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	A9SW (SE)	868	2	435800 406400
44	Water Abstractions Operator: Northern Strip Mining Limited Licence Number: 2/27/08/097 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): 114 Yearly Rate (m3): 32000 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	A17NE (NW)	991	2	434650 408010

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Yorkshire Water Plc Licence Number: 2/27/08/058 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Unclassified (Other) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 14 Yearly Rate (m3): 1137 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	A1NW (SW)	1782	2	433700 406100
	Water Abstractions Operator: Sheldale Developments Ltd Licence Number: 2/27/08/133 Permit Version: 1 Location: Spring - Sandstone&Middle Coal Measures - Barnsley Authority: Environment Agency, North East Region Abstraction: Food And Drink: Water Bottling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: 43a Shaw Lane, Barnsley, South Yorkshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NW (SW)	1804	2	433700 406060
	Water Abstractions Operator: Sheldale Developments Ltd Licence Number: 2/27/08/110 Permit Version: 101 Location: Spring-Sandstone/Middle Coal Measures-Shaw Lane Authority: Environment Agency, North East Region Abstraction: Food And Drink: Water Bottling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: 43a Shaw Lane, Barnsley, South Yorkshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th April 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NW (SW)	1838	2	433700 406000
	Water Abstractions Operator: Sheldale Water Limited Licence Number: 2/27/08/110 Permit Version: 100 Location: Well/Spring - Sandstone/Middle Coal Measures - Shaw Lane Authority: Environment Agency, North East Region Abstraction: Food And Drink: Water Bottling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 200 Yearly Rate (m3): 45000 Details: Land Adjoining To Rear Of 43a Shaw Lane, Barnsley, South Yorkshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NW (SW)	1838	2	433700 406000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: <40% Superficial: <90% Patchiness: <3m Superficial Thickness: No Data Superficial Recharge:	A13NW (NW)	0	4	435230 407133
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: <40% Superficial: <90% Patchiness: <3m Superficial Thickness: No Data Superficial Recharge:	A13NE (N)	0	4	435236 407168
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (NW)	0	4	435230 407133
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (N)	0	4	435236 407168
	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)	0	2	435241 407151
	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)	12	2	435286 407195
	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)	94	2	435364 407147
	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)	96	2	435366 407146
	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 (E)	113	2	435379 407114
	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)	121	2	435396 407201
	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 (NW)	164	2	435037 407242
	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)	0	2	435241 407156

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas Type: Flood Water Storage Areas Reference: Not Supplied	A13NE (N)	16	2	435234 407183
	Flood Water Storage Areas Type: Flood Water Storage Areas Reference: Not Supplied	A13NW (NW)	219	2	434990 407270
	Flood Water Storage Areas Type: Flood Water Storage Areas Reference: Not Supplied	A13NW (NW)	223	2	434982 407262
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NE (NE)	72	2	435333 407233
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 176.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dearne Catchment Name: Don and Rother Primacy: 1	A13NE (N)	10	5	435237 407177
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dearne Catchment Name: Don and Rother Primacy: 1	A13NW (N)	55	5	435196 407232
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 2	A13NE (NE)	56	5	435305 407236
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1039.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dearne Catchment Name: Don and Rother Primacy: 1	A13NW (N)	58	5	435191 407236
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 477.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dearne Catchment Name: Don and Rother Primacy: 1	A13NE (NE)	59	5	435331 407210
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13NE (NE)	59	5	435331 407210
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13NE (NE)	75	5	435339 407228

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 2	A13NE (NE)	79	5	435331 407246
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13NE (NE)	86	5	435343 407242
54	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 333.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barnsley Canal Catchment Name: Don and Rother Primacy: 1	A13SE (SE)	109	5	435323 406991
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12SE (W)	322	5	434873 407029
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12SE (SW)	373	5	434856 406914
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14SW (SE)	431	5	435611 406830
58	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 74.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barnsley Canal Catchment Name: Don and Rother Primacy: 1	A14SW (SE)	431	5	435611 406830
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14SW (SE)	436	5	435627 406844
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NE (W)	457	5	434736 407240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 293.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dearne Catchment Name: Don and Rother Primacy: 1	A14SW (SE)	461	5	435679 406887
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NE (W)	483	5	434718 407287
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NE (W)	491	5	434710 407288
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NE (W)	497	5	434704 407289
65	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 81.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Barnsley Canal Catchment Name: Don and Rother Primacy: 1	A9NW (SE)	503	5	435662 406777
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NE (W)	505	5	434696 407290
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NE (W)	515	5	434686 407291
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NE (W)	525	5	434675 407291
69	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 146.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A9NW (SE)	585	5	435724 406725

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 89.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A9NE (SE)	725	5	435918 406776
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A9NW (SE)	730	5	435885 406704
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 208.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dearne Catchment Name: Don and Rother Primacy: 1	A9NW (SE)	730	5	435885 406704
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14SE (E)	739	5	435996 407010
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A9NE (SE)	811	5	435997 406743
75	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 232.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A9NE (SE)	818	5	436004 406743
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 195.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dearne Catchment Name: Don and Rother Primacy: 1	A17NE (NW)	838	5	434818 407930
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1900.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sough Dike Catchment Name: Don and Rother Primacy: 1	A7SE (SW)	839	5	434694 406398
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A17NE (NW)	855	5	434833 407956

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14SE (E)	881	5	436132 406963
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A17NE (NW)	906	5	434795 407994
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Sough Dike Catchment Name: Don and Rother Primacy: 1	A9NE (SE)	909	5	436043 406619
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sough Dike Catchment Name: Don and Rother Primacy: 1	A9NE (SE)	909	5	436043 406619
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A17NE (NW)	920	5	434780 408002
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 277.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dearne Catchment Name: Don and Rother Primacy: 1	A9NE (SE)	927	5	436078 406644
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 324.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 2	A9NE (SE)	933	5	435967 406471
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14SE (E)	951	5	436198 406924
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dearne Catchment Name: Don and Rother Primacy: 1	A17NE (NW)	951	5	434682 407983

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A17NE (NW)	951	5	434682 407983
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 377.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dearne Catchment Name: Don and Rother Primacy: 1	A17NE (NW)	974	5	434629 407976
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A17NE (NW)	980	5	434643 407992

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	BGS Recorded Landfill Sites Site Name: Smithy Green Tip Location: Smithies Lane, BARNSELY, Yorks 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: Derived	A17NE (NW)	980	-	434635 407986
92	Historical Landfill Sites Licence Holder: Barnsley Trades Council Location: Barnsley Name: Canal to the rear of Twibell Street Operator Location: 8A, Eastgate, Barnsley Boundary Accuracy: As Supplied Provider Reference: EAHL04361 First Input Date: 30th September 1982 Last Input Date: 6th June 1988 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0485 BGS Ref: Not Supplied Other Ref: WD20 B369, 4400/B369, 20B369(83)	A13SE (S)	54	2	435256 407025
93	Historical Landfill Sites Licence Holder: East Midlands Gas Location: Old Mill Lane, Barnsley Name: Emgas Depot Operator Location: PO Box 145, De Montfort Street, Leicester Boundary Accuracy: As Supplied Provider Reference: EAHL04898 First Input Date: 31st January 1978 Last Input Date: 11th May 1984 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0473 BGS Ref: Not Supplied Other Ref: WD20 B187, 4400/B187, 20B187(71)	A13NW (NW)	76	2	435131 407228
94	Historical Landfill Sites Licence Holder: Barnsley Metropolitan Borough Council Location: Old Mill Lane, Barnsley Name: Disused Canal Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL04357 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0425 BGS Ref: Not Supplied Other Ref: 4400/(22)	A13SW (W)	263	2	434928 407088
95	Historical Landfill Sites Licence Holder: Star Paper Mills Location: Old Mill Lane, Barnsley Name: Star Paper Limited Operator Location: PO Box 15, Old Mill Lane, Barnsley Boundary Accuracy: As Supplied Provider Reference: EAHL04354 First Input Date: 31st January 1978 Last Input Date: 25th February 1982 Specified Waste: Deposited Waste included Inert Waste and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0461 BGS Ref: Not Supplied Other Ref: WD20 B4(i), 4400/B4	A13NW (NW)	274	2	434940 407296

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	Historical Landfill Sites Licence Holder: Mr A Hanson Location: Off Smithies Lane, Barnsley Name: The Fleets Dam Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL04358 First Input Date: 30th September 1990 Last Input Date: 31st December 1994 Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0516 BGS Ref: Not Supplied Other Ref: WD20 B774, 4400/B774, 20B774	A13NW (NW)	343	2	434935 407410
97	Historical Landfill Sites Licence Holder: Star Paper Mills Location: Barnsley Name: Star Paper Mill Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL04355 First Input Date: 31st January 1978 Last Input Date: 31st December 1990 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0460 BGS Ref: Not Supplied Other Ref: 4400/B59, WD20/B4(ii)	A12NE (NW)	361	2	434870 407347
98	Historical Landfill Sites Licence Holder: White and Peace Location: Town Centre, Barnsley Name: Land off Old Mill Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL04356 First Input Date: 30th November 1984 Last Input Date: 31st December 1989 Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0426 BGS Ref: Not Supplied Other Ref: WD20 B446	A12SE (W)	626	2	434571 407003
99	Historical Landfill Sites Licence Holder: Booth Excavations Limited Location: Barnsley Name: Wakefield Road Operator Location: c/c C E Smith and Son, 14 Regent Street, Barnsley Boundary Accuracy: As Supplied Provider Reference: EAHL04353 First Input Date: 28th July 1981 Last Input Date: 9th May 1988 Specified Waste: Deposited Waste included Industrial and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0481 BGS Ref: Not Supplied Other Ref: 20B320(79), WD20 B320, 4400/B320	A18NW (N)	679	2	435005 407831
100	Historical Landfill Sites Licence Holder: Not Supplied Location: Smithies Lane, Barnsley, Yorkshire Name: Smithy Green Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL031669 First Input Date: 31st December 1948 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 1890 Other Ref: Not Supplied	A17NE (NW)	743	2	434843 407836

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	Historical Landfill Sites Licence Holder: Mowlem Construction Location: Oakwell Road, Barnsley Name: Barnsley Football Ground Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04364 First Input Date: 1st June 1995 Last Input Date: 31st August 1995 Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 4400/(164)	A8SE (S)	774	2	435457 406331
102	Historical Landfill Sites Licence Holder: Nuttall Lighting Limited Location: Glasstip, Railway Cutting, Beevor Street, Hoyle Mill, Barnsley Name: Former Wood Brothers Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04362 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Commercial and Special Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: WD20 B353, 4400/B353, 20B353, WD20 B353a	A9NW (SE)	787	2	435906 406630
103	Historical Landfill Sites Licence Holder: Wood Brothers Glass Company Limited Location: Glasstip, Railway Cutting, Beevor Street Name: Land to the rear of Chapel Street-Beevor Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04363 First Input Date: 5th December 1977 Last Input Date: 31st December 1984 Specified Waste: Deposited Waste included Inert, Industrial and Special Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0441 BGS Ref: Not Supplied Other Ref: WD20 B6(I), 4400/B6, 20B6(38), 4400/0573	A9NE (SE)	824	2	435923 406590
104	Historical Landfill Sites Licence Holder: Mr D Thackery Location: Byron Drive, Monk Bretton, Barnsley Name: Land to the rear of Nos. 16 to 26 Byron Drive Operator Location: Westgate, Monk Bretton, Barnsley Boundary Accuracy: As Supplied Provider Reference: EAHLD04896 First Input Date: 30th September 1982 Last Input Date: 31st December 1987 Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0440 BGS Ref: Not Supplied Other Ref: 3(b), 20B395(37), 4400/B359, WD20 B359	A19NE (NE)	909	2	435918 407832
105	Historical Landfill Sites Licence Holder: Barnsley Metropolitan Borough Council Location: Monk Bretton, Barnsley Name: Rotherham Road Operator Location: Department of Architecture and Planning, Regent House, Barnsley Boundary Accuracy: As Supplied Provider Reference: EAHLD04359 First Input Date: 13th March 1985 Last Input Date: 4th June 1986 Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0496 BGS Ref: Not Supplied Other Ref: 20B456(94), WD20 B456, 4400/B456	A19NW (NE)	932	2	435634 408049

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	Licensed Waste Management Facilities (Locations) Licence Number: 60545 Location: Old Mill Lane, Barnsley, South Yorkshire Operator Name: British Gas Transco Plc Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Surrendered Issued: 15th July 1993 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 6th September 2000 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (N)	123	2	435200 407300
107	Licensed Waste Management Facilities (Locations) Licence Number: 403601 Location: Unit 7, Peel Place, Barnsley, South Yorkshire, S71 1LU Operator Name: G M M Multi Utilities Limited 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: Surrendered Issued: 24th October 2016 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 6th November 2018 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SW (N)	321	2	435123 407492
108	Licensed Waste Management Facilities (Locations) Licence Number: 60598 Location: Harborough Hill Road, Harborough, Barnsley, South Yorkshire, S71 1BD Operator Name: Yorkshire Electricity Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Transfer stations Licence Status: Surrendered Issued: 14th September 1992 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 13th May 1999 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	577	2	434800 406650
109	Licensed Waste Management Facilities (Locations) Licence Number: 60609 Location: Smithies Lane H W R C, Smithies Lane, Smithies, Barnsley, South Yorkshire, S71 1NL Operator Name: F C C Recycling (U K) Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Household Waste Amenity Sites Licence Status: Modified Issued: 14th June 1993 Last Modified: 23rd November 2012 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (N)	966	2	434870 408090
	Local Authority Landfill Coverage Name: Barnsley Metropolitan Borough Council - Has supplied landfill data		0	3	435230 407133
110	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 83 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A13SE (S)	56	3	435251 407022

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 71 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Unknown Boundary Quality: Not Applicable	A13NW (NW)	123	3	435094 407258
112	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 22 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A13SW (W)	264	3	434927 407093
113	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 59 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Unknown Boundary Quality: Not Applicable	A12NE (NW)	435	3	434812 407396
114	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 23 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A12SE (W)	635	3	434560 407018
115	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 79 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A18NW (N)	655	3	435006 407806
116	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 58 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A17SE (NW)	676	3	434863 407771
117	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 164 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A8SE (S)	774	3	435457 406330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 38 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A9NE (SE)	822	3	435933 406608
119	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 37 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A19NE (NE)	900	3	435908 407829
120	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 94 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A19NW (NE)	931	3	435634 408049
121	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 141 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A17NE (NW)	942	3	434798 408035
122	Registered Landfill Sites Licence Holder: Barnsley Trade Council Licence Reference: WD20 B 369 Site Location: Canal To Rear Of Twibell Street, Barnsley, South Yorkshire Licence Easting: 435300 Licence Northing: 407000 Operator Location: 8a Eastgate, Barnsley, South Yorkshire 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 September 1982 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: Excavated Natural Materials \$	A13SE (SE)	89	2	435300 407000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	Registered Landfill Sites Licence Holder: East Midlands Gas Licence Reference: WD20 B 187 Site Location: Emgas Depot, Old Mill Lane, Barnsley, South Yorkshire Licence Easting: 435100 Licence Northing: 407250 Operator Location: As Site Address 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: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st January 1978 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	A13NW (NW)	114	2	435100 407250
124	Registered Landfill Sites Licence Holder: A Hanson Licence Reference: WD20 B 774 MOD 1 Site Location: The Fleets Dam, Smithies Lane, Barnsley, South Yorkshire Licence Easting: 434950 Licence Northing: 407500 Operator Location: Stainborough Fisheries, Low Lane, Stainborough, Barnsley, South Yorkshire Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill 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: Status: Site exempt from licenceExempt Dated: 1st September 1990 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: Inert Excavation Wastes, Soil & Subsoil Prohibited Waste: All Forms Of Asbestos Hazardous Wastes Liquid/Slurry In Drums/Cont'Rs > 4 L Paper/Cardboard Plasterboard Plastic Wood	A18SW (NW)	401	2	434950 407500
125	Registered Landfill Sites Licence Holder: White & Peace Licence Reference: WD20 B 446 MOD 2 Site Location: Old Mill Lane, Barnsley, South Yorkshire Licence Easting: 434500 Licence Northing: 407100 Operator Location: Twibell Street, BARNSLEY, South Yorkshire, S71 1D Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st November 1984 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: Demol'N Waste, Brick, Stone Rubble Excavation Waste, Soil, Subsoil Prohibited Waste: All Forms Of Asbestos Liquids In Containers Over 4l Cap. Slurry In Containers Over 4l Cap.	A12SW (W)	691	2	434500 407100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	Registered Landfill Sites Licence Holder: Booth Excavations Licence Reference: WD20 B 320 Site Location: Wakefield Road, Barnsley, South Yorkshire Licence Easting: 435000 Licence Northing: 407900 Operator Location: C/O C E Smith & Sons, 14 Regent Street, Barnsley, South Yorkshire Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1981 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	A18NW (N)	746	2	435000 407900
127	Registered Landfill Sites Licence Holder: Star Paper Ltd Licence Reference: WD20 B 4 (I) 12/80 Site Location: Star Paper Ltd, Newbridge Lane, Barnsley, South Yorkshire Licence Easting: 434800 Licence Northing: 407840 Operator Location: Po Box 15, Old Mill Lane, Barnsley, South Yorkshire 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 January 1978 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: Cellulose Wastes (Natural/Synth.) China Clay And Cellulous Wastes	A17NE (NW)	768	2	434800 407840
128	Registered Landfill Sites Licence Holder: Nuttall Lighting Ltd Licence Reference: WD20 B 353 Site Location: Ex Wood Bros Tip, Beever Street, Hoyle Mill, Barnsley, South Yorkshire Licence Easting: 435910 Licence Northing: 406520 Operator Location: High Holborn Road, Codnor Gate, Ripley, Derbyshire Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill 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: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st March 1982 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: Asbestos Cement Sheeting Construction And Demolition Wastes Prohibited Waste: Liquids In Containers Over 4l Cap. Slurry In Containers Over 4l Cap.	A9NE (SE)	858	2	435910 406520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	Registered Landfill Sites Licence Holder: Wood Bros Glass Co Ltd Licence Reference: WD20 B 6 (I) Site Location: Rear Chapel Street./Beever Street, Hoyle Mill, Barnsley, South Yorkshire Licence Easting: 435970 Licence Northing: 406550 Operator Location: Borough Flint Glassworks, BARNSELEY, South Yorkshire, S71 1HL 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: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st December 1977 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: Cullet, Refractories And Inert Wastes Empty Bags And Drums Inert Waste	A9NE (SE)	886	2	435970 406550
130	Registered Landfill Sites Licence Holder: D Thackery Licence Reference: WD20 B 359 Site Location: Rear Of 16-26 Byron Drive, Monk Bretton, Barnsley, South Yorkshire Licence Easting: 435900 Licence Northing: 407900 Operator Location: West Gate, Monks Bretton, BARNSELEY, South Yorkshire, S71 2DS Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill 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: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st September 1982 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: Liquids In Containers Over 4l Cap. Slurry In Containers Over 4l Cap.	A19NW (NE)	946	2	435900 407900
131	Registered Waste Transfer Sites Licence Holder: British Gas Plc East Midlands Licence Reference: WD20 B1013 MOD 1 Site Location: Barnsley Depot, Old Mill Lane, Barnsley, South Yorkshire Operator Location: Greasborough Road, ROTHERHAM, South Yorkshire, S61 4QQ 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: Waste produced/controlled by licence holder Restrictions: Licence Status: Licence has completion certificateSurrendered Dated: 15th July 1993 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: Excavation Spoil Ferrous Metal Scrap Max.Waste Permitted By Licence Paper/Pack'G/Sim'R Combustible Waste Polyethylene Pipe	A13NW (NW)	91	2	435150 407260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	Registered Waste Transfer Sites Licence Holder: K A Adams Licence Reference: WD20 B1053 Site Location: Adams Yard, Peel Place, Old Mill Lane, Barnsley, South Yorkshire Operator Location: 421 Rotherham Road, Smithies, BARNSELEY, South Yorkshire, S71 1UX 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: Licence has completion certificateSurrendered Dated: 9th June 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Com. & Ind. Non-Haz. Waste Max.Stor. Construction And Demol.Wastes Max.Stor. Excavation Waste, Soil/Subsoil Max.St. Max.Waste Permitted By Licence Prohibited Waste: Asbestos Poisonous, Noxious, Polluting Wastes Putrescible Waste	A18SW (N)	328	2	435130 407500
133	Registered Waste Transfer Sites Licence Holder: Yorkshire Electricity Licence Reference: WD20 B 879 MOD 2 Site Location: Harborough Hill Road, BARNSELEY, South Yorkshire, S71 1BD Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer 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: Licence Status: Licence has completion certificateSurrendered Dated: 1st April 1997 Preceded By: WD20 B 879 Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence Mineral Oils And Max.Stor Non-Haz. Building Waste Non-Haz. Com./Ind. Waste Non-Haz. Excavation & Max.Stor Scrap Metal Max.Stor Synthetic Oils Prohibited Waste: Asbestos - Any Type Putrescible Waste Waste N.O.S.	A7NE (SW)	577	2	434800 406650
133	Registered Waste Transfer Sites Licence Holder: Yorkshire Electricity Licence Reference: WD20 B 879 Site Location: Harborough Hill Road, BARNSELEY, South Yorkshire, S71 1BD Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer 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: Licence Status: Record supersededSuperseded Dated: 14th September 1992 Preceded By: Not Given Licence: Superseded By: WD20 B 879 MOD 2 Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Com. + Ind. Non-Haz. Waste Mstor Empty Tins Of Dmi Mstor Non-Haz. Excav/N/Build. Waste Mstor Scrap Metal Mstor Prohibited Waste: Asbestos Of Any Type Putrescible Waste	A7NE (SW)	577	2	434800 406650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
134	Registered Waste Transfer Sites Licence Holder: Peary Garden Services Licence Reference: WD20 B 780 Site Location: Hillside, Wakefield Road, Smithies, Barnsley, South Yorkshire, S71 1nh 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: Licence revokedRevoked Dated: 8th February 1991 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Ash & Clinker Building And Demolition Wastes Excavation Waste, Soil, Subsoil Garden Waste Houshold Clearance Waste Max.Storage Permitted By Licence Prohibited Waste: All Forms Of Asbestos Liq./Slurry In Drums/Cont'Rs > 4 L Cap Poisonous, Noxious, Polluting Wastes	A18NW (N)	905	2	435040 408070
135	Registered Waste Transfer Sites Licence Holder: B.D.R. Waste Disposal Ltd Licence Reference: WD20 B 975 MOD 3 Site Location: Smithies Lane, Smithies, Barnsley, South Yorkshire Operator Location: Thorncliffe Hall, Thorncliffe Park Estate, Chapeltown, SHEFFIELD, South Yorkshire, S35 2PQ Authority: Environment Agency - North East Region, Ridings Area Site Category: Civic Amenity 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: Licence Status: Operational as far as is knownOperational Dated: 1st June 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Domestic/Commercial Waste Ferrous/Non-Ferrous Scrap Metal Glass Max.Waste Permitted By Licence Mineral Oils Motor Vehicle Batteries Paper/Cardboard Waste Textiles Prohibited Waste: Asbestos - All Types	A17NE (NW)	999	2	434780 408090
136	Registered Waste Treatment or Disposal Sites Licence Holder: Wood Bros Glass Co Ltd Licence Reference: WD20 B 6 (II) Site Location: Borough Flint Glassworks, BARNSELY, South Yorkshire, S71 1HL Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Storage Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st December 1977 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: Empty Bags Ex Sodium Silicofluoride Empty Drums Ex Arsenious Oxide	A9NE (SE)	886	2	435970 406550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	Control of Major Accident Hazards Sites (COMAH) Name: National Grid Gas Plc Location: Barnsley Holder Station, Old Mill Lane, Barnsley, South Yorkshire, S71 1LT Reference: Not Supplied Type: Lower Tier Status: Active Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	29	6	435161 407188
137	Control of Major Accident Hazards Sites (COMAH) Name: Transco Plc Location: Old Mill Lane, BARNSELY, South Yorkshire, S71 1LT Reference: 1031023 Type: Lower Tier Status: Active Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	34	6	435159 407195
138	Notification of Installations Handling Hazardous Substances (NIHHS) Name: Transco. Location: Old Mill Lane, Barnsley, S. Yorks., S71 1LT Status: Not Active Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	28	6	435163 407190
139	Planning Hazardous Substance Consents Name: British Gas Plc Location: Barnsley Gas Holder Station, Old Mill Lane, BARNSELY, South Yorkshire, S71 1LT Authority: Barnsley Metropolitan Borough Council, Planning Department Application Ref: Hsc/00/0002/Ba Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 58.01 Application date: 5th April 2000 Decision: Continuation of consent Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	35	7	435160 407198
139	Planning Hazardous Substance Consents Name: British Gas Plc Location: East Midlands, Gas Holder, Old Mill Lane, BARNSELY, South Yorkshire, S71 1LT Authority: Barnsley Metropolitan Borough Council, Planning Department Application Ref: Hsc/92/5 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 11602 Application date: 16th November 1992 Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	36	7	435159 407198

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)	A13NW (NW)	0	1	435230 407133
140	BGS Recorded Mineral Sites Site Name: Mount Osborne Colliery Location: Old Mill, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37838 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SW (S)	162	1	435157 406916
141	BGS Recorded Mineral Sites Site Name: Mottram Wood Colliery Location: Old Mill, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37842 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NE (E)	168	1	435443 407176
142	BGS Recorded Mineral Sites Site Name: Eaming Wood Location: Old Mill, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37860 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woolley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	314	1	435298 406768
143	BGS Recorded Mineral Sites Site Name: Old Shep Cote Gate Quarry Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37837 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woolley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	325	1	435585 407290
144	BGS Recorded Mineral Sites Site Name: Burton Bank Quarry Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37835 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woolley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	383	1	435525 407480

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	BGS Recorded Mineral Sites Site Name: Burton Bank Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 106083 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woolley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SE (N)	531	1	435370 407711
146	BGS Recorded Mineral Sites Site Name: Wallsend Main Colliery Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 106082 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (N)	591	1	435317 407778
147	BGS Recorded Mineral Sites Site Name: Wallsend Main Colliery Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 106081 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NE (N)	630	1	435299 407818
147	BGS Recorded Mineral Sites Site Name: Burton Bank Quarry Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 16756 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woolley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NE (N)	649	1	435340 407835
148	BGS Recorded Mineral Sites Site Name: Wallsend Main Colliery Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 106080 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NE (N)	648	1	435263 407837
149	BGS Recorded Mineral Sites Site Name: Wallsend Main Colliery Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 106076 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NW (N)	705	1	435041 407867

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	BGS Recorded Mineral Sites Site Name: Honey Well Colliery Location: Gawber, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37844 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NW (W)	729	1	434467 407282
151	BGS Recorded Mineral Sites Site Name: Wallsend Main Colliery Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 106078 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NW (N)	747	1	435168 407928
152	BGS Recorded Mineral Sites Site Name: Wallsend Main Colliery Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 106077 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NW (N)	776	1	435094 407948
153	BGS Recorded Mineral Sites Site Name: Mount Osborne Location: Hoyle Mill, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 204743 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woolley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	793	1	435716 406431
154	BGS Recorded Mineral Sites Site Name: Gawber New Colliery Location: Gawber, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37843 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	801	1	434611 407733
155	BGS Recorded Mineral Sites Site Name: Wallsend Main Colliery Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 106075 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NW (N)	863	1	435032 408026

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	BGS Recorded Mineral Sites Site Name: Oakwell Location: Oakwell, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37855 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woolley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	878	1	435173 406196
157	BGS Recorded Mineral Sites Site Name: Monk Bretton Quarry Location: Monk Bretton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37841 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Oaks Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	879	1	435923 407784
158	BGS Recorded Mineral Sites Site Name: Shep Cote Quarry Location: Monk Bretton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37836 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Oaks Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	889	1	436153 407334
159	BGS Recorded Mineral Sites Site Name: Monk Bretton Burton Shaft Location: Monk Bretton Burton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 245717 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	892	1	435898 407828
160	BGS Recorded Mineral Sites Site Name: Wallsend Main Colliery Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 106079 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NW (N)	912	1	435153 408092
160	BGS Recorded Mineral Sites Site Name: Smithies Location: Smithies, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37839 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woolley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	949	1	435157 408130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	BGS Recorded Mineral Sites Site Name: Beevor Hall Quarry Location: Oakwell, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37856 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woolley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	915	1	435298 406164
162	BGS Recorded Mineral Sites Site Name: Monk Bretton Burton Quarry Location: Monk Bretton Burton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 245716 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Oaks Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	944	1	435932 407868
163	BGS Recorded Mineral Sites Site Name: Shep Gate Location: Monk Bretton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37840 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Oaks Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A15NW (E)	970	1	436246 407201
	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.	A13NW (NW)	0	8	435230 407133
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (NW)	0	-	435230 407133
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	435230 407133
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	69	1	435118 407180
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	188	1	435000 407133
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	190	1	435000 407126
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	193	1	435348 406908
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	236	1	435476 407316
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	435236 407168
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	435230 407133

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	135	1	435339 407308
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	188	1	435000 407133
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	201	1	435000 407249
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	435236 407168
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	435230 407133
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	435193 407133
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	11	1	435271 407086
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	95	1	435364 407225
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	136	1	435333 407312
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	188	1	435000 407133
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	201	1	435000 407249
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	435230 407133
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	188	1	435000 407133
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	435230 407133
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	435235 407141
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	14	1	435239 407062
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	25	1	435256 407212
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	85	1	435300 407004
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	88	1	435102 407194
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	150	1	435039 407165
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	169	1	435430 407079

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 (NW)	170	1	435027 407232
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	171	1	435019 407135
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	188	1	435000 407133
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	188	1	435000 407152
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	194	1	435312 407380
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	196	1	435412 407330
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	197	1	435180 406877
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	201	1	435000 407249
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	209	1	435164 406866
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	435228 407140
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	435193 407133
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	435230 407133
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	11	1	435271 407086
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	21	1	435170 407102
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	95	1	435364 407225
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	131	1	435058 407157
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	136	1	435333 407312
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	188	1	435000 407131
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	188	1	435000 407133
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	227	1	435000 406953
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	435228 407140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	435230 407133
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	108	1	435081 407149
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	145	1	435298 406939
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	182	1	435171 407359
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	187	1	435055 406947
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	188	1	435000 407131
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	188	1	435000 407133
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	201	1	435000 407249
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	203	1	435475 407256
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	227	1	435000 406953
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	249	1	435000 406915
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	435230 407133
	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	A13SW (S)	0	1	435230 407101
	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	A13NW (NW)	0	1	435230 407133
	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	A13SW (S)	0	1	435230 407101

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	Contemporary Trade Directory Entries Name: Comet Group Plc Location: Twibell Street, Barnsley, South Yorkshire, S71 1DL Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	16	-	435176 407090
164	Contemporary Trade Directory Entries Name: Comet Location: Twibell Street, Barnsley, South Yorkshire, S71 1DL Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	16	-	435176 407090
164	Contemporary Trade Directory Entries Name: Screwfix Location: Screwfix, Twibell Street, Barnsley, S71 1DL Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	29	-	435162 407096
165	Contemporary Trade Directory Entries Name: Hayes Fencing & Sheds Ltd Location: Twibell Street, Barnsley, S71 1DL Classification: Fencing Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	43	-	435172 407036
166	Contemporary Trade Directory Entries Name: Denis Bray'S Location: Unit 1 Twibell Street, Barnsley, South Yorkshire, S71 1DG Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	64	-	435129 407066
166	Contemporary Trade Directory Entries Name: P R G Powerhouse Location: Unit D, Twibell Street, Barnsley, South Yorkshire, S71 1DL Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	79	-	435112 407112
167	Contemporary Trade Directory Entries Name: Howdens Joinery Co Location: Twibell Street, Barnsley, S71 1DL Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	131	-	435057 407185
168	Contemporary Trade Directory Entries Name: Currys Location: Dryden Road, Barnsley, South Yorkshire, S71 1JE Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	178	-	435207 406897
169	Contemporary Trade Directory Entries Name: Currys Pc World Location: Dryden Road, Barnsley, S71 1JE Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	196	-	435358 406910
170	Contemporary Trade Directory Entries Name: Aa Service Centre Location: Dryden Rd, Off Harbrough Hill Rd, Barnsley, South Yorkshire, S71 1JE Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SW (S)	212	-	435152 406866
171	Contemporary Trade Directory Entries Name: Asda Petrol Location: Petrol Station, Asda, Old Mill Lane, Barnsley, S71 1LN Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	235	-	434954 407188
172	Contemporary Trade Directory Entries Name: S S Car Sales Location: 1 Peel Pl, Barnsley, South Yorkshire, S71 1LU Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (N)	239	-	435125 407408

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
172	Contemporary Trade Directory Entries Name: M O T Centre Location: 5, Peel Place, Barnsley, S71 1LU Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	283	-	435096 407445
173	Contemporary Trade Directory Entries Name: Roger Wood Ltd Location: Harbrough Hill Road, Barnsley, South Yorkshire, S71 1BQ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	256	-	435022 406883
173	Contemporary Trade Directory Entries Name: Roger Wood Cars Ltd Location: Harbrough Hill Road, Barnsley, South Yorkshire, S71 1BQ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	256	-	435022 406883
173	Contemporary Trade Directory Entries Name: Fires & Fireplaces Location: 111 Harbrough Hill Rd, Barnsley, South Yorkshire, S71 1BQ Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	285	-	434984 406879
174	Contemporary Trade Directory Entries Name: All Dry Damp Proofing & Plastering Services Location: 86a, Burton Road, Barnsley, S71 2AA Classification: Damp & Dry Rot Control Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	266	-	435485 407353
175	Contemporary Trade Directory Entries Name: First Stop Location: 1 Peel Pl, Barnsley, South Yorkshire, S71 1LU Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SW (N)	302	-	435131 407474
175	Contemporary Trade Directory Entries Name: A D G Trailers Location: Peel Pl, Barnsley, South Yorkshire, S71 1LU Classification: Horse Boxes & Transporting Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SW (N)	304	-	435130 407476
175	Contemporary Trade Directory Entries Name: D & G Motorcycle Engineers Location: Peel Place, Barnsley, South Yorkshire, S71 1LU Classification: Motor Cycle Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A18SW (N)	308	-	435121 407478
175	Contemporary Trade Directory Entries Name: Tolgate Motors Location: Peel Place, Barnsley, South Yorkshire, S71 1LU Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A18SW (N)	308	-	435121 407478
175	Contemporary Trade Directory Entries Name: Wintrucks Location: Peel Place, Barnsley, South Yorkshire, S71 1LU Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A18SW (N)	308	-	435121 407478
175	Contemporary Trade Directory Entries Name: Deborah Services Ltd Location: Peel Place, Barnsley, South Yorkshire, S71 1LU Classification: Industrial Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A18SW (N)	308	-	435121 407478
175	Contemporary Trade Directory Entries Name: Form-It Uk Ltd Location: 14, Peel Place, Barnsley, South Yorkshire, S71 1LU Classification: Concrete Reinforcements Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	334	-	435135 407508

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	Contemporary Trade Directory Entries Name: John Stones Location: 3, Wakefield Road, Barnsley, South Yorkshire, S71 1LY Classification: Painting & Decorating Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	317	-	435189 407495
177	Contemporary Trade Directory Entries Name: Klick Photopoint Location: Old Mill Lane, Barnsley, South Yorkshire, S71 1LN Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	334	-	434860 407240
177	Contemporary Trade Directory Entries Name: Klick Location: Old Mill Lane, Barnsley, South Yorkshire, S71 1LN Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	334	-	434860 407240
178	Contemporary Trade Directory Entries Name: A A & A Honeywell Damp Proofing & Cavity Wall Tie Replacement Location: 42, Shelley Drive, Barnsley, South Yorkshire, S71 2LS Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	345	-	435602 407303
178	Contemporary Trade Directory Entries Name: Aa & A Damp Proofing Location: 42, Shelley Drive, Barnsley, South Yorkshire, S71 2LS Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	345	-	435602 407303
179	Contemporary Trade Directory Entries Name: Maple Aggregates Ltd Location: 1, Peel Place, Barnsley, South Yorkshire, S71 1LU Classification: Builders' Merchants Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	355	-	435077 407515
180	Contemporary Trade Directory Entries Name: Walter Fisher Ltd Location: Walter Fisher, Meadow Street, Barnsley, S71 1DE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	371	-	434849 406931
181	Contemporary Trade Directory Entries Name: Magnet Location: Old Mill Lane, Barnsley, S71 1LH Classification: Joinery Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	382	-	434811 407061
181	Contemporary Trade Directory Entries Name: Magnet Trade Location: Old Mill Lane, Barnsley, S71 1LH Classification: Kitchen Furniture Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	382	-	434811 407061
181	Contemporary Trade Directory Entries Name: Magnet Location: Old Mill Lane, Barnsley, South Yorkshire, S71 1LH Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SE (W)	401	-	434794 407021
182	Contemporary Trade Directory Entries Name: Spray On Location: Centenary Wk, Wakefield Rd, Barnsley, South Yorkshire, S71 1LY Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	396	-	435153 407572
183	Contemporary Trade Directory Entries Name: Denton Street Garage Location: Barnsley, S71 1DA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	415	-	434854 406833

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	Contemporary Trade Directory Entries Name: Scorpion Printing Location: Eldon Street North, Barnsley, South Yorkshire, S71 1LQ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SE (SW)	443	-	434774 406928
185	Contemporary Trade Directory Entries Name: Sew & Sew Location: 60a, Eldon Street North, Barnsley, South Yorkshire, S71 1LQ Classification: Sewing Thread Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	472	-	434755 406896
185	Contemporary Trade Directory Entries Name: Firex Location: 46, Eldon Street North, Barnsley, South Yorkshire, S71 1LG Classification: Firefighting Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	501	-	434741 406856
185	Contemporary Trade Directory Entries Name: D T Metalcraft Location: 32 Rear Of Eldon St North, Barnsley, South Yorkshire, S71 1LF Classification: Wrought Ironwork Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12SE (SW)	524	-	434730 406828
186	Contemporary Trade Directory Entries Name: Autofix Garage Services Location: 21, James Street, BARNSELEY, South Yorkshire, S71 1BL Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	491	-	434801 406778
186	Contemporary Trade Directory Entries Name: Gasco Services Location: 16, Mottram Street, Barnsley, South Yorkshire, S71 1BH Classification: Catering Equipment - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	525	-	434785 406743
187	Contemporary Trade Directory Entries Name: Animal Magic Location: 46, Tennyson Road, Barnsley, South Yorkshire, S71 2LP Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	506	-	435689 407482
188	Contemporary Trade Directory Entries Name: First Call Building Supplies Location: 14, Peel Place, Barnsley, S71 1LU Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	508	-	435055 407668
188	Contemporary Trade Directory Entries Name: First Call Building & Garden Supplies Location: 14, Peel Place, Barnsley, S71 1LU Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	508	-	435055 407668
188	Contemporary Trade Directory Entries Name: First Call Location: 14, Peel Place, Barnsley, S71 1LU Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	508	-	435055 407668
188	Contemporary Trade Directory Entries Name: 1st Call Building & Garden Supplies Location: 14, Peel Place, Barnsley, S71 1LU Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	508	-	435055 407668
189	Contemporary Trade Directory Entries Name: Dixon Nissan Location: Wakefield Rd, Barnsley, South Yorkshire, S71 1NF Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	560	-	435078 407727

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	Contemporary Trade Directory Entries Name: Dixon Nissan Location: Wakefield Rd, Barnsley, South Yorkshire, S71 1NF Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	560	-	435078 407727
190	Contemporary Trade Directory Entries Name: Trust Ford Location: Wakefield Road, Barnsley, South Yorkshire, S71 1NF Classification: Commercial Vehicle Dealers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	578	-	435076 407745
190	Contemporary Trade Directory Entries Name: 1st Call Location: Wakefield Rd, Barnsley, South Yorkshire, S71 1NF Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	593	-	435074 407760
190	Contemporary Trade Directory Entries Name: Rays Mechanical Location: 82, Wakefield Road, Barnsley, South Yorkshire, S71 1NF Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	612	-	435070 407779
190	Contemporary Trade Directory Entries Name: C T L Repairs Location: 84, Wakefield Road, Barnsley, South Yorkshire, S71 1NF Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	622	-	435076 407789
190	Contemporary Trade Directory Entries Name: D M Services Location: 84, Wakefield Road, Barnsley, S71 1NF Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	622	-	435076 407789
190	Contemporary Trade Directory Entries Name: T C S Renault Specialists Location: 86, Wakefield Road, Barnsley, South Yorkshire, S71 1NF Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	629	-	435073 407796
190	Contemporary Trade Directory Entries Name: Tcs Continental Spares Location: 86, Wakefield Road, Barnsley, South Yorkshire, S71 1NF Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	629	-	435073 407796
190	Contemporary Trade Directory Entries Name: Spray On Ltd Location: Central Garage, Wakefield Rd, Barnsley, South Yorkshire, S71 1NF Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	658	-	435046 407820
191	Contemporary Trade Directory Entries Name: KJ'S Bike Breakers Barnsley Location: 1 Carey Av, Barnsley, South Yorkshire, S71 1AP Classification: Motor Cycle Breakers & Dismantlers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	605	-	435043 406488
192	Contemporary Trade Directory Entries Name: Jennings Uk Ltd Location: County Way, Barnsley, South Yorkshire, S70 2JW Classification: Photo & Digital Imaging Bureaus Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	645	-	434620 406777
193	Contemporary Trade Directory Entries Name: Autosshine Location: Central Garage, Wakefield Road, Barnsley, South Yorkshire, S71 1NF Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	670	-	435037 407830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
194	Contemporary Trade Directory Entries Name: Barnsley Commercial Sales Location: 137, Wakefield Road, Barnsley, S71 1ND Classification: Commercial Vehicle Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	685	-	435107 407858
194	Contemporary Trade Directory Entries Name: Carshop Location: 137, Wakefield Road, Barnsley, South Yorkshire, S71 1ND Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	685	-	435108 407858
194	Contemporary Trade Directory Entries Name: Phil Makinson Location: 137, Wakefield Road, Barnsley, South Yorkshire, S71 1ND Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	686	-	435108 407859
194	Contemporary Trade Directory Entries Name: Phil Makinson Ltd Location: 137, Wakefield Road, Barnsley, South Yorkshire, S71 1ND Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	686	-	435108 407859
195	Contemporary Trade Directory Entries Name: Queens Road M O T Centre Location: 25 Queens Road, Barnsley, South Yorkshire, S71 1AN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	692	-	434979 406415
195	Contemporary Trade Directory Entries Name: Queens Road M O T Centre Location: 25 Queens Road, Barnsley, South Yorkshire, S71 1AN Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8SW (S)	692	-	434979 406415
195	Contemporary Trade Directory Entries Name: Heppy'S Location: Dental Surgery, 27, Queens Road, Barnsley, South Yorkshire, S71 1AN Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SW (S)	709	-	434938 406412
196	Contemporary Trade Directory Entries Name: Light Commercials Location: 15, Wentworth Street, Barnsley, South Yorkshire, S71 1JW Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (NW)	708	-	434530 407439
197	Contemporary Trade Directory Entries Name: Tyre Store Location: 4th Floor Digital Media Centre, County Way, Barnsley, South Yorkshire, S70 2JW Classification: Tyre Dealers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	732	-	434607 406634
198	Contemporary Trade Directory Entries Name: S Y P T E Barnsley Interchange Location: Exchange Station, 8 Midland Street, Barnsley, South Yorkshire, S70 1SE Classification: Bus & Coach Operators & Stations Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	744	-	434668 406545
199	Contemporary Trade Directory Entries Name: Body Guard Autos Location: 143, Wakefield Road, BARNSELEY, South Yorkshire, S71 1ND Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	745	-	435105 407919

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
200	Contemporary Trade Directory Entries Name: Leather For Life Location: 21, Wordsworth Road, Barnsley, South Yorkshire, S71 2DF Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	791	-	435882 407697
201	Contemporary Trade Directory Entries Name: Proprint Construction Ltd Location: 18, Pontefract Road, Barnsley, S71 1AJ Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	807	-	434921 406314
201	Contemporary Trade Directory Entries Name: Cars2 Ltd Location: Pontefract Road, Barnsley, South Yorkshire, S71 1AJ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	853	-	434896 406274
202	Contemporary Trade Directory Entries Name: Total Location: Wakefield Rd, Barnsley, South Yorkshire, S71 1NG Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	813	-	435054 407980
203	Contemporary Trade Directory Entries Name: N P Engineering Services Ltd Location: 31, Thoresby Avenue, Barnsley, South Yorkshire, S71 2LH Classification: Engineering Services Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	822	-	436057 407446
204	Contemporary Trade Directory Entries Name: G & S Location: 11, Coniston Road, Barnsley, South Yorkshire, S71 1EJ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	825	-	435189 406249
205	Contemporary Trade Directory Entries Name: Cars 2 Hyundai Location: Enterprise Centre, 1-7, Pontefract Road, Barnsley, S71 1AJ Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	829	-	434794 406347
206	Contemporary Trade Directory Entries Name: Atkinson Fork Truck Solutions Ltd Location: 19, Fleet Hill Crescent, Barnsley, South Yorkshire, S71 1XJ Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	835	-	435303 408023
207	Contemporary Trade Directory Entries Name: Stagecoach Yorkshire Location: 4, Eldon Arcade, Barnsley, S70 2JP Classification: Bus & Coach Operators & Stations Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	837	-	434630 406454
207	Contemporary Trade Directory Entries Name: Stagecoach Yorkshire Location: 4, Eldon Arcade, Barnsley, S70 2JP Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	837	-	434630 406454
207	Contemporary Trade Directory Entries Name: Stagecoach Location: 4, Eldon Arcade, Barnsley, South Yorkshire, S70 2JP Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	839	-	434629 406451
208	Contemporary Trade Directory Entries Name: Dixon Renault Location: Wakefield Road, Barnsley, South Yorkshire, S71 1NF Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	850	-	434990 408004

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
208	Contemporary Trade Directory Entries Name: Polar - Ford Location: Wakefield Road, BARNSELEY, South Yorkshire, S71 1NF Classification: Car Customisation & Conversion Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	861	-	435005 408019
208	Contemporary Trade Directory Entries Name: My Car Location: Centenary Way, Barnsley, South Yorkshire, S71 1LZ Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18NW (N)	870	-	435045 408036
209	Contemporary Trade Directory Entries Name: Oakwell Fabrications Location: Unit 9a, Oakwell Brewery, Pontefract Road, Barnsley, S71 1EZ Classification: Metal Products - Fabricated Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	854	-	435704 406350
210	Contemporary Trade Directory Entries Name: Hoyle Mill Engineering Location: Unit 8, Beevor Industrial Estate, Beevor Street, Barnsley, South Yorkshire, S71 1HN Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	855	-	435870 406480
210	Contemporary Trade Directory Entries Name: Print A Bag Location: Beevor Industrial Estate, Beevor Street, Barnsley, South Yorkshire, S71 1HN Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	855	-	435870 406480
210	Contemporary Trade Directory Entries Name: Travis Perkins Plc Location: Beevor Street, BARNSELEY, South Yorkshire, S71 1HN Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	876	-	435906 406489
211	Contemporary Trade Directory Entries Name: C G Tolson Ltd Location: 4, Westgate, Monk Bretton, Barnsley, South Yorkshire, S71 2DJ Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	859	-	435746 407908
212	Contemporary Trade Directory Entries Name: Prontaprint Location: 51, Church Street, Barnsley, South Yorkshire, S70 2AH Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	875	-	434395 406715
213	Contemporary Trade Directory Entries Name: Martin Lowe Auto Transmission Ltd Location: Beevor Ind Est, Pontefract Road, Barnsley, South Yorkshire, S71 1HN Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	875	-	435834 406420
214	Contemporary Trade Directory Entries Name: First Time Films Location: Unit 1, Oakwell Brewery, Pontefract Rd, Barnsley, South Yorkshire, S71 1EZ Classification: Polythene & Plastic Sheeting Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	876	-	435675 406308
214	Contemporary Trade Directory Entries Name: Calder Marine Craft Location: Unit 2, Oakwell Brewery, Pontefract Road, Barnsley, South Yorkshire, S71 1EZ Classification: Boatbuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	920	-	435692 406267

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
214	Contemporary Trade Directory Entries Name: Calder Marine Craft Location: Unit 2, Oakwell Brewery, Pontefract Road, Barnsley, South Yorkshire, S71 1EZ Classification: Boatbuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	920	-	435692 406267
215	Contemporary Trade Directory Entries Name: Online Ironing Barnsley Location: 39, Church Street, Barnsley, South Yorkshire, S70 2AH Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	891	-	434403 406660
216	Contemporary Trade Directory Entries Name: Marks Trade Cars Location: Hillside, Wakefield Road, Barnsley, South Yorkshire, S71 1NG Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	899	-	435077 408070
216	Contemporary Trade Directory Entries Name: Peary Garden Services Location: Hillside, Wakefield Road, Barnsley, South Yorkshire, S71 1NG Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	900	-	435120 408076
216	Contemporary Trade Directory Entries Name: Taylor Engineering & Site Services Ltd Location: Unit 3 Hillside, Wakefield Rd, Barnsley, South Yorkshire, S71 1NG Classification: Wrought Ironwork Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18NW (N)	901	-	435120 408076
216	Contemporary Trade Directory Entries Name: S P S Motorcycle Services Location: Hillside, Wakefield Road, Barnsley, S71 1NG Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	920	-	435101 408093
217	Contemporary Trade Directory Entries Name: Elite Door Solutions Ltd Location: 3, Langdale Road, Barnsley, S71 1AF Classification: Door Manufacturers - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	901	-	435051 406184
217	Contemporary Trade Directory Entries Name: Barnsley Footwear Distributors Ltd Location: 3, Langdale Road, Barnsley, South Yorkshire, S71 1AF Classification: Footwear Manufacturers & Wholesale Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	901	-	435051 406184
218	Contemporary Trade Directory Entries Name: Wall Works Location: 6, Market Parade, Barnsley, South Yorkshire, S70 1DE Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	902	-	434651 406352
218	Contemporary Trade Directory Entries Name: Scented Pleasure Location: 14, Upper May Day Green Arcade, Barnsley, South Yorkshire, S70 1SY Classification: Toiletries Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	946	-	434640 406305
218	Contemporary Trade Directory Entries Name: Klick Photopoint Location: 15, May Day Green, Barnsley, South Yorkshire, S70 1RH Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	947	-	434609 406328

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
218	Contemporary Trade Directory Entries Name: Klick Location: 15, May Day Green, Barnsley, South Yorkshire, S70 1RH Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	947	-	434609 406328
219	Contemporary Trade Directory Entries Name: Ken'S Tyres & Exhausts Ltd Location: Langdale Road, Barnsley, South Yorkshire, S71 1AQ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	908	-	434957 406197
219	Contemporary Trade Directory Entries Name: G-Tech M O T & Service Centre Location: Langdale Road, Barnsley, S71 1AQ Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	909	-	434957 406196
219	Contemporary Trade Directory Entries Name: E Whittle & Son Location: Langdale Road, Barnsley, South Yorkshire, S71 1AQ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SW (S)	911	-	434970 406191
219	Contemporary Trade Directory Entries Name: Slinkys Spray Shop Location: The Works Building, Langdale Road, Barnsley, South Yorkshire, S71 1AQ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SW (S)	914	-	435010 406178
220	Contemporary Trade Directory Entries Name: T W Brown Location: 48, The Arcade, Barnsley, South Yorkshire, S70 2QN Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	909	-	434544 406437
220	Contemporary Trade Directory Entries Name: Homestyle By Fads Location: 31-33, Eldon Street, Barnsley, South Yorkshire, S70 2JJ Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	928	-	434542 406412
221	Contemporary Trade Directory Entries Name: Dena Nano Ltd Location: Unit 4-5 Beevor Industrial Estate, Beevor Street, Barnsley, South Yorkshire, S71 1HN Classification: Machinery - Industrial & Commercial Status: Active Positional Accuracy: Automatically positioned to the address	A9SE (SE)	917	-	435915 406438
221	Contemporary Trade Directory Entries Name: Tidal Uk Ltd Location: Unit F, Beevor Ind Est, Beevor St, Barnsley, South Yorkshire, S71 1HN Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SE (SE)	919	-	435914 406435
221	Contemporary Trade Directory Entries Name: P H P Location: Unit 2 Beevor St, Hoyle Mill, Barnsley, South Yorkshire, S71 1HN Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SE (SE)	924	-	435918 406431
221	Contemporary Trade Directory Entries Name: Automatic Transmission Location: Beevor Street, Barnsley, S71 1HN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	932	-	435877 406381

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
221	Contemporary Trade Directory Entries Name: Detailed Bodyworx Location: Unit G, Beevor Industrial Estate, Beevor Street, Barnsley, South Yorkshire, S71 1HN Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	943	-	435891 406380
221	Contemporary Trade Directory Entries Name: Barnsley Refrigeration Location: Unit D, Beevor Industrial Estate, Beevor Street, Barnsley, S71 1HN Classification: Refrigerators & Freezers - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A9SE (SE)	950	-	435913 406389
221	Contemporary Trade Directory Entries Name: Hi-Q Tyre Services Location: Pontefract Rd, Barnsley, South Yorkshire, S71 1JA Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SE (SE)	979	-	435956 406392
222	Contemporary Trade Directory Entries Name: Cars 2 Peugeot Location: 1a Malthouse Road, Barnsley, South Yorkshire, S71 1AL Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7SE (SW)	918	-	434746 406271
223	Contemporary Trade Directory Entries Name: Plastic Trading Location: Unit 1a, Oakwell Brewery, Pontefract Road, Barnsley, S71 1EZ Classification: Recycling Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (S)	921	-	435597 406223
223	Contemporary Trade Directory Entries Name: Plastic Trading Ltd Location: Barnsley, S71 1EZ Classification: Reclaiming - Waste Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (S)	921	-	435597 406223
224	Contemporary Trade Directory Entries Name: J Hall Motor Vehicle Engineering Location: Barnsley, S71 1HN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	923	-	435822 406348
225	Contemporary Trade Directory Entries Name: Carbon Goodies Location: Marland House, 13, Huddersfield Road, Barnsley, S70 2LW Classification: Carbon Products Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	928	-	434282 406891
226	Contemporary Trade Directory Entries Name: Cars 2 Location: Pontefract Road, Barnsley, S71 1AJ Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (S)	939	-	434883 406187
226	Contemporary Trade Directory Entries Name: Cars 2 Location: Pontefract Road, Barnsley, S71 1AJ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	939	-	434883 406187
226	Contemporary Trade Directory Entries Name: Harratts Of Barnsley Ltd Location: Malthouse Road, Barnsley, South Yorkshire, S71 1AL Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	939	-	434884 406187

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
226	Contemporary Trade Directory Entries Name: Harratt Peugeot Barnsley Location: Malthouse Road, Barnsley, South Yorkshire, S71 1AL Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	939	-	434884 406187
226	Contemporary Trade Directory Entries Name: Harratts (Barnsley) Location: Malthouse Rd, Barnsley, South Yorkshire, S71 1AL Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SW (S)	960	-	434916 406154
227	Contemporary Trade Directory Entries Name: B E Automotive Ltd Location: Beevor Street, Barnsley, South Yorkshire, S71 1HN Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A9SE (SE)	943	-	435949 406436
227	Contemporary Trade Directory Entries Name: Barnsley Auto Centre Location: Pontefract Road, Barnsley, S71 1JA Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SE (SE)	967	-	435981 406435
227	Contemporary Trade Directory Entries Name: Yorkshire Industrial Tyres Location: 120, Pontefract Road, Barnsley, South Yorkshire, S71 1JA Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A9SE (SE)	982	-	436014 406450
228	Contemporary Trade Directory Entries Name: K & D Services (Barnsley) Ltd Location: Lord Street, Barnsley, South Yorkshire, S71 1HZ Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	950	-	436026 406519
229	Contemporary Trade Directory Entries Name: T & S Transport Location: Unit 2, Lands Garage, Langdale Road, Barnsley, S71 1AF Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	953	-	435048 406132
229	Contemporary Trade Directory Entries Name: G-Tech Volvo Specialists Location: Unit 1, Lands Garage, Langdale Road, Barnsley, South Yorkshire, S71 1AF Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	959	-	435047 406126
229	Contemporary Trade Directory Entries Name: Peak Motor Services Location: Unit 3, Lands Garage, Langdale Road, Barnsley, S71 1AF Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	959	-	435046 406126
230	Contemporary Trade Directory Entries Name: Skills Travel Ltd Location: Burlington Arc, Barnsley, South Yorkshire, S70 1SZ Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7SW (SW)	954	-	434552 406367
231	Contemporary Trade Directory Entries Name: Barnsley Wholesale & Retail Floor Coverings Location: 1, Churchfields Close, Barnsley, S70 2HX Classification: Floorcoverings - Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	958	-	434297 406732
232	Contemporary Trade Directory Entries Name: Finesse For Fragrance Location: 3, The Arcade, Barnsley, South Yorkshire, S70 2QP Classification: Perfume Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	963	-	434484 406421

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
233	Contemporary Trade Directory Entries Name: Imperial Recycling Location: 102, Smithies Lane, Barnsley, South Yorkshire, S71 1NL Classification: Reclaiming - Waste Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	966	-	434796 408061
234	Contemporary Trade Directory Entries Name: Identity Location: Unit 29 Market Parade, Barnsley, South Yorkshire, S70 1SX Classification: T-Shirts Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7SE (SW)	968	-	434610 406301
234	Contemporary Trade Directory Entries Name: Transform Images Location: 1-3, May Day Green Arcade, Barnsley, South Yorkshire, S70 1RG Classification: T-Shirts Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	984	-	434602 406286
234	Contemporary Trade Directory Entries Name: Bevs Cards Location: Upper May Day Green Arcade, Barnsley, South Yorkshire, S70 1SY Classification: Greeting Card Publishers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7SE (SW)	992	-	434581 406292
235	Contemporary Trade Directory Entries Name: G Hughes Location: Cliffe Lodge, Burton Road, Barnsley, South Yorkshire, S71 2HE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	971	-	436237 407324
236	Contemporary Trade Directory Entries Name: Barnsley Office Furniture Location: Unit 1, Mill Trading Estate, Pontefract Road, Barnsley, South Yorkshire, S71 1HF Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	972	-	435872 406324
237	Contemporary Trade Directory Entries Name: Barnsley Bus & Coach Location: Wakefield Rd, Barnsley, South Yorkshire, S71 1NN Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	978	-	435028 408142
238	Contemporary Trade Directory Entries Name: Cars 2 Ltd Location: 1a Malthouse Road, Barnsley, South Yorkshire, S71 1AL Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned to the address or location	A8SW (S)	983	-	434918 406130
239	Contemporary Trade Directory Entries Name: Barnsley M B C - Waste Department Location: Smithies Lane Depot, Smithies Lane, Barnsley, South Yorkshire, S71 1NL Classification: Waste Disposal Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17NE (N)	984	-	434889 408115
240	Contemporary Trade Directory Entries Name: Designer Pine Location: Unit 1, Freemans Yard, Pontefract Road, Barnsley, S71 1AA Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	985	-	434844 406153
241	Contemporary Trade Directory Entries Name: D Thackray Location: 28, Westgate, Monk Bretton, Barnsley, South Yorkshire, S71 2DJ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A19NE (NE)	990	-	435918 407942

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
242	Fuel Station Entries Name: Asda Barnsley Location: Old Mill Lane , , Barnsley, South Yorkshire, S71 1LN Brand: ASDA Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A13NW (W)	236	-	434953 407187
243	Fuel Station Entries Name: Jet Intake 2 Location: Rotherham Road , Monk Bretton , Barnsley, South Yorkshire, S71 2DD Brand: Jet Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A19SE (NE)	746	-	435928 407551
244	Fuel Station Entries Name: Wakefield Road Service Station Location: Wakefield Road , Smithies , Barnsley, South Yorkshire, S71 3LR Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Located by supplier to within 100m	A18NW (N)	879	-	435127 408055

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
245	Areas of Adopted Green Belt Authority: Barnsley Metropolitan Borough Council, Planning Department Plan Name: Barnsley Unitary Development Plan Status: Adopted Plan Date: 31st December 2000	A13NE (N)	11	7	435240 407181
246	Local Nature Reserves Name: Dearne Valley Park Multiple Area: N Area (m2): 493368.33 Source: Natural England Designation Date: 3rd May 1996	A13NE (NE)	78	9	435336 407238
247	Nitrate Vulnerable Zones Name: River Dearne Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (NW)	0	4	435230 407133

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health	July 2013 March 2015	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North East Region	January 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - North East Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - North East Region	January 2019	Quarterly
Local Authority Integrated Pollution Prevention And Control Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health	April 2014 June 2014	Variable Variable
Local Authority Pollution Prevention and Controls Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health	April 2014 June 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health	April 2014 June 2014	Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2019	
Pollution Incidents to Controlled Waters Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North East Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - North East Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	January 2019 January 2019	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	January 2019	Quarterly
Water Industry Act Referrals Environment Agency - North East Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	Annually
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	January 2019	Quarterly

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2019	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2019	Quarterly
Flood Defences Environment Agency - Head Office	February 2019	Quarterly
OS Water Network Lines Ordnance Survey	January 2019	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	July 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	July 2018 July 2018	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	January 2019 January 2019	Quarterly Quarterly
Local Authority Landfill Coverage Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000	Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Wakefield City Metropolitan District Council Barnsley Metropolitan Borough Council - Planning Department	February 2016 January 2016	Variable Variable
Planning Hazardous Substance Consents Wakefield City Metropolitan District Council Barnsley Metropolitan Borough Council - Planning Department	February 2016 January 2016	Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	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	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
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	April 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	May 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Underground Electrical Cables National Grid	December 2015	
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Wakefield City Metropolitan District Council	March 2019 March 2019	As notified As notified
Areas of Unadopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Wakefield City Metropolitan District Council	March 2019 March 2019	As notified As notified
Areas of Outstanding Natural Beauty Natural England	August 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	August 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	August 2018	Bi-Annually
Special Protection Areas Natural England	April 2019	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	
Peter Brett Associates	

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	Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.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	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
7	Barnsley Metropolitan Borough Council - Planning Department Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
8	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
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.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.

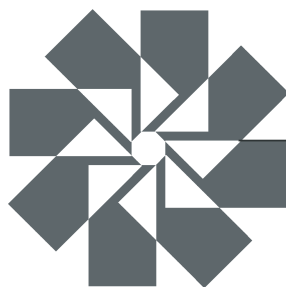
Appendix D

Coal Mining Report

David Bellis Consulting Surveyors
Ltd
8, Mornington Terrace
Harrogate
North Yorkshire
HG1 5DH

(DX 720352 Harrogate)

T: 01423 529911 F: 01423 529922
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COAL SEARCH PLUS+
Protecting your investment

By

David Bellis
CONSULTING SURVEYORS

Regulated Coal Mining Search Report

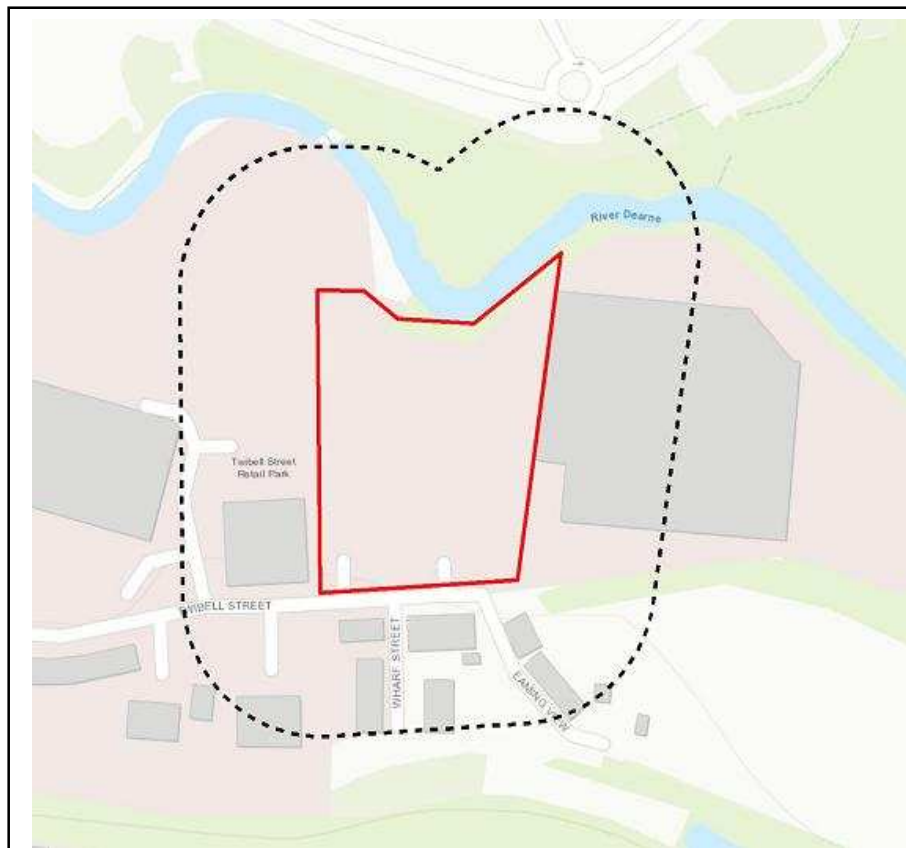
Incorporating Cheshire Brine Screening



SITE LOCATION AND COAL MINING FEATURE PLAN

ADDRESS: Twibell Street, Barnsley, S71 1DL

SEARCH NUMBER: 410035



Ordnance Survey Copy License Number 100014904

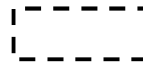
Contains Ordnance Survey data © Crown copyright and database right 2019

KEY

Property Boundary



50m property boundary buffer



Coal mining subsidence claims
within 50m (section 7)



Mine entries within 20m (section 5)

Adits



Shafts



Symbols are indicative only and are not drawn to scale. Do not scale from this plan.

World Topographic Map - Sources: Esri, HERE, Garmin, Intermap, Increment P Corp, GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

This plan shows the location of the subject property and where relevant the location of mine entries and subsidence claims referred to in the attached CoalSearchPlus+ regulated coal mining search report. The plan must be viewed in conjunction with the detailed findings in the attached report. A coal mining risk rating, including recommended further action where appropriate, is given at the conclusion of the report. (section 8)

This plan shows reportable features relevant to the property only. Additional relevant coal mining aspects are reported upon within the report. The report and content of this plan are specific to the property under consideration. The report contents should not be used in relation to other property in the area.

Mine entries are reported if they are located within the property boundary or within 20m of it. (see report section 5 for detail)

Coal mining subsidence claims, made since 31st October 1994 and recorded by The Coal Authority, are reported for the subject property or property located within 50m of its boundary. Records of claims prior to this date are not normally retained by The Coal Authority and will not be reported. (see report section 7 for details)

Property owners have the benefit of the protection of the Coal Mining Subsidence Act 1991* in the event of the occurrence of damage from disused coal mine workings including from disused coal mine entries.

The Coal Authority, regardless of responsibility and in conjunction with other public bodies, provide an emergency call out facility in coalfield areas to assess the public safety implications of mining features (including disused shafts and adits). The emergency telephone number at all times is (01623) 646333. If you have any questions or queries regarding the content of this coal mining report please contact David Bellis Consulting Surveyors Ltd.

* Note The Coal Mining Subsidence Act 1991 does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester

Serial Number 410035

Client detail :

Solmek
(Site Investigations) Ltd
12 Yarm Road
Stockton on Tees
Cleveland
TS18 3NA

CoalSearchPlus+ by David Bellis Consulting
Surveyors Ltd
8 Morningson Terrace
Harrogate
North Yorkshire
HG1 5DH
(DX 720352 Harrogate)

Tel 01423 529911
Fax 01423 529922

Search produced by M J Peace

Property details:

Twibell Street
Barnsley
S71 1DL

Your ref : SOL3150 S190553

Purchaser :

Vendor :

In accordance with your instructions received 04 Jun 2019 we have inspected plans and records of coal mine workings and have made enquiries with respect to Cheshire brine extraction in relation to the above property and can report as follows :

1. SEAM DETAILS FOR PAST UNDERGROUND COAL MINING : In relation to the property the undermentioned seam(s) have been worked within the likely zone of physical influence on the surface.

Seam	Depth (m)	Sect (cm)	Date	Remarks
Kents Thick	58	55	Pre 1955	Adjacent
Barnsley	126	261	Pre 1900	Subjacent
Haigh Moor	194	137	Pre 1961	Adjacent
Fenton	338	172	Pre 1939	Subjacent
Parkgate	351	152	Pre 1944	Adjacent
Silkstone	433	68	Pre 1984	Adjacent

2. SEAM DETAILS FOR CURRENT AND FUTURE UNDERGROUND COAL MINING : The undermentioned seam(s) are currently being worked, or licenses to work are being determined, or have been granted to work, within the likely zone of physical influence on the surface in relation to the property.

Seam	Depth (m)	Sect (cm)	Date	Remarks
				Coal in reserve - no workings currently planned.

3. UNDERLYING GEOLOGY :

The property is situated in an area of Middle Coal Measures, shales and mudstones.

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Outcrop of the Low Beamshaw Coal. The site is situated on an area of made ground.

4. OPENCAST COAL MINING :

Past Opencast Workings : The property is not situated within the boundary of a former opencast coal mining site.

Present Opencast Workings : The property is not situated within 200m of the boundary of a currently operating opencast coal mining site.

Future Opencast Workings : The property is not situated within 800m of the boundary of an opencast site for which a license to extract coal by opencast methods has been granted or a license to do so is currently being determined.

5. MINE ENTRIES, MINE GAS, SURFACE HAZARDS AND ADDITIONAL INFORMATION :

The Coal Authority licensed Mine Entry dataset shows no evidence of any shafts or adits within 20 metres of the property or the boundary of the property.

There are no tips or lagoons in the vicinity of the property.

There are possible ancient shallow coal mining workings within the likely zone of influence on the surface in the vicinity of the property, for which no accurate plans or records exist.

The Coal Authority licensed Mine Gas dataset shows no record of mine gas emissions within the property or the property boundary requiring action.

The Coal Authority licensed Coal Mining Related Hazards dataset shows that the property has not been subject to remedial works by the Coal Authority, or its representatives, under the Coal Authority Emergency Surface Hazard Call Out Procedures.

6. NOTICES IN RELATION TO FUTURE COAL MINING ACTIVITY :

We have no knowledge of any intention to work coal by underground methods within influencing distance on the surface in the vicinity of the property for which section 46 notices have been issued under the Coal Mining Subsidence Act 1991.

The property is situated in an area for which notices relating to the withdrawal of support have been published.

7. PAST COAL MINING RELATED SUBSIDENCE :

A review of the records held by the Coal Authority has shown no evidence of coal mining related subsidence claims in relation to the subject property since 31st October 1994. This is the period for which records are held by the Coal Authority.

8. CONCLUSION (COAL MINING) : **In the light of the above facts we conclude that in relation to coal mining :**

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Old workings are present but all settlement is likely to have completed long ago. In our opinion it is unlikely that coal will be worked in the foreseeable future.

COAL MINING RISK LEVEL : We recommend that the transaction is treated as :

Where this report is to be used for development purposes particular attention is drawn to the paragraphs below concerning the ownership of in situ coal, coal workings and the risks from mine gases.

Please note that the overall coal mining risk level above is based upon an assessment of the detailed information contained in the body of the report. The risk assessment must be used in conjunction with the detailed report.

If development of the property is being considered then all necessary enquiries and investigations should be completed prior to the commencement of works to ensure that proposals follow good engineering practice for development in mining areas. The Coal Authority has ownership of in situ coal, coal mines (both current and disused) and coal mine shafts and adits. Activities that intersect, enter or disturb any of the Coal Authority's interests require the written permission of the Authority.

Any development proposals should consider risks to the development, or adjacent property, of generating or displacing underground gases where coal seams or former mining works are disturbed. The need for effective measures to prevent gasses entering public properties should be assessed and properly addressed. These actions are necessary due to the public safety implications of development in these circumstances.

CHESHIRE BRINE EXTRACTION INFORMATION :

The property lies outside the Cheshire Brine Compensation District as prescribed by the Cheshire Brine Pumping (Compensation for Subsidence) Act 1952.

With respect to coal mining there is nothing to prevent a claim being made under the provisions of the Coal Mining Subsidence Act 1991 and subsequent legislation, but it must not be inferred that the Coal Authority or their licensees will necessarily accept that any damage has been caused as a result of mining subsidence.

If you require any further information please contact CoalSearchPlus+ on 01423 529911 or via our website www.coalsearch.plus.com.

This report is prepared in accordance with the CoalSearchPlus+ terms and conditions as published on the CoalSearchPlus+ website (www.coalsearch.plus.com) on the date of issue of this report.

This is a Coal Mining Search Report and is not to be interpreted as being part of an Environmental Assessment of the property.

We cannot be held responsible for the accuracy of the information provided to us by third party organisations.

The information and/or material supplied is composed from data based in many cases on measurements and records of various standards of reliability and age. We cannot be held responsible for the accuracy of such information.

This search report is based upon the privately owned CoalSearchPlus+ mining record database, data supplied to CoalSearchPlus+ under license from the Coal Authority, and plans and records held by the Coal Authority and made publicly

Serial Number 410035

available at the time of inspection which may include British Geological Survey and Ordnance Survey data. Organisations reserve the right to vary their proposals and intentions as to their future mining operations without prior notice save as provided in the Coal Mining (Subsidence) Act 1991 and the Coal Industry Act 1994.

This report contains Data provided by the Coal Authority. Any and all analysis and interpretation of the Coal Authority Data in this report is made by David Bellis Consulting Surveyors Ltd trading as CoalSearchPlus+, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be copyright of the Coal Authority and permission should be sought from David Bellis Consulting Surveyors Ltd prior to any re-use.

Coal Authority Address : The Coal Authority, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, HG18 4RG
British Geological Survey Address : British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham NG12 5GG

May contain British Geological Survey Materials © NERC 2019

May contain public sector information licensed under the Open Government Licence v3.0

Coal Authority data supplied under license may contain Ordnance Survey information Crown Copyright © 100020315 [2019]

The information contained in this report relates to the property address given by the individual or organisation ordering the report. Where a plan indicating the property location and boundary is supplied with the instruction the report is based on that information. Where no plan is supplied the report is based on the property location as defined in publicly available mapping data. At all times it remains the responsibility of the instructing organisation or individual to define the boundary of the property.

Additional notes applicable to Residential Coal Mining Reports only:

David Bellis Consulting Surveyors Ltd is not aware of any personal or business relationship between the person conducting or preparing the search and any person involved in the sale of the property.

This report is a desk study of existing published geological and coal mining records, the CoalSearchPlus+ coal mining data base and data supplied under license by the Coal Authority. In order to compile this report enquiries have been made in relation to the following:

Past Coal Mining – the existence of any previously worked seams of coal within influencing distance on the surface in relation to the property including an indication of the depth and age of the workings,
A statement of shallow depth generally indicates records show that coal has been mined within 30m of the surface. In some circumstances coal classified as shallow may extend up to a depth of 50m.
A statement of moderate depth indicates records show that coal has been mined at between 30m and 500m depth.
A statement of 'at depth' indicates records show that coal has been mined at depths of over 500m.

Present Coal Mining - the existence of any currently worked seams of coal within influencing distance on the surface in relation to the property including an indication of the depth and age of the workings. The existence of coal that could be worked at some time in the future will be enquired into and detail of any relevant licenses disclosed where available.

Underlying Geology - the underlying geology of the property will be reviewed and briefly described in relation to coal mining.

Opencast Coal Mining - the existence of past present and future opencast coal mining, specifically :

- if the property is situated within the boundary of a former opencast site. In the case of old opencast workings it must be understood that the records are often unclear regarding the site boundary and or worked areas. Published records and data supplied under license by the Coal Authority will be reviewed to give our opinion of the existence of relevant former opencast coal workings.
- if the property is situated within 200m of the boundary of a currently operating opencast site.
- if the property is situated within 800m of the boundary of an opencast for which either a license to extract coal by opencast methods has been granted or a license to do so is currently being determined.

Mine Entries, Mine Gas, Surface Hazards and Additional Information – the existence of any mine entries within 20m of the property or the boundary of the property and its associated land and buildings (the definition of the boundary of the property is the responsibility of the individual or organisation ordering this report). Where a mine entry is found to exist the approximate location of the mine entry will be indicated on a plan. The existence of unworked coal will be enquired into and our opinion regarding the likelihood of it being worked at some time in the past will be given where relevant.

It will be reported if mine gas emissions relating to the property are recorded by The Coal Authority.

It will be reported if The Coal Authority has carried out work in relation to the property after a report of an alleged coal mining related hazard under the Coal Authority's Emergency Hazard Call Out procedures.

Any other relevant coal mining related features discovered will be noted.

Notices in relation to future coal mining activity – the existence of notices indicating an intention to work coal by underground methods in the future.

Past coal mining related subsidence – report if The Coal Authority licensed Claim Dataset shows record of a coal mining subsidence claim having been reported on the subject property or any other property within 50m of the boundary of the subject property since 31st October 1994. Where available claim detail information will be given for claims on the subject property only.

Coal Mining Risk Level – the opinion of David Bellis Consulting Surveyors Ltd of the risk posed to the property from coal mining given all the information contained in the report. The risk to the property is given in relation to the majority of the housing stock in the immediate area.

Cheshire Brine – the location of the property in relation to the Cheshire Brine Compensation District.

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Additional information, including answers to many frequently asked questions, can be found on the CoalSearchPlus+ website, www.coalsearch.plus.com

Complaints Procedure

David Bellis Consulting Surveyors Ltd is registered with the Property Codes Compliance Board as a subscriber to the Search Code. A key commitment under the Code is that firms will handle any complaints both speedily and fairly.

If you want to make a complaint, we will:

- Acknowledge it within 5 working days of receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs):

Tel: 01722 333306, Website: www.tpos.co.uk, E-mail: admin@tpos.co.uk

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.

Complaints should be sent to:

Mr M. Peace, Director, David Bellis Consulting Surveyors Ltd, 8 Morningside Terrace, Harrogate, North Yorkshire, HG1 5DH
Tel : 01423 529911 Fax : 01423 529922 Email : contact@coalsearch.plus.com

Date : 19 Jun 2019

Signed :



Serial Number 410035**Important Consumer Protection Information**

This search has been produced by David Belis Consulting Surveyors Ltd, 8 Mornington Terrace, Harrogate, HG1 5DH (T: 01423 529911, F: 01423 529922, E: contact@coalsearch.plus.com) which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practice and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- Display the Code logo prominently on their search reports.
- Act with integrity and carry out work with due skill, care and diligence.
- At all times maintain adequate and appropriate insurance to protect consumers.
- Conduct business in an honest, fair and professional manner.
- Handle complaints speedily and fairly.
- Ensure that all search services comply with industry registration rules and standards and relevant laws.
- Monitor their compliance with the Code.

Complaints

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award up to £5,000 to you if the Ombudsman finds that you have suffered actual financial loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details:

The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Website: www.tpos.co.uk
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk.

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

Serial Number 410035**David Bellis Consulting Surveyors Ltd and CoalSearchPlus+ Terms and Conditions (Available in large print by request)**

1. Definitions.
 - a) The Service Provider is David Bellis Consulting Surveyors Ltd, trading as CoalSearchPlus+.
 - b) The Applicant is the Individual, Organisation, or appointed officer of said Organisation placing a Request with the Service Provider.
 - c) The Third Party Provider is any Organisation from which the Service Provider obtains data and/or information on behalf of the Applicant in the normal course of fulfilling the Applicants Request.
 - d) The request is a formal Request by the Applicant with CoalSearchPlus+ to retrieve specific data and/or information.
2. CoalSearchPlus+ accept Requests only on the basis that the Applicant is acting as a principal and is directly liable for payment of our invoice or account.
3. It is the policy of CoalSearchPlus+ to observe confidentiality with regard to the identity and affairs of our customers to the extent permitted by law, but, in common with other service providers, we may be required exceptionally to disclose information to governmental and other public authorities.
4. The placing of a Request by the Applicant with CoalSearchPlus+ confirms acceptance of these terms and conditions.
5. Any Order Form produced by CoalSearchPlus+, either printed or published on the CoalSearchPlus+ website, is an invitation to treat. The Applicant makes an offer to buy from CoalSearchPlus+ by the submission of a Request, subject to clause 10. Acceptable modes of transmission for a Request are facsimile (fax), telephone, electronic mail(e-mail), online transmission via the CoalSearchPlus+ website only, Document Exchange (DX), Royal Mail or courier appointed by the Applicant.
6. Orders will be accepted on order forms other than CoalSearchPlus+ forms however these will be accepted under the standard CoalSearchPlus+ terms and conditions only, subject to Clause 10.
7. CoalSearchPlus+ reserves the right to refuse any Request.
8. CoalSearchPlus+ reserves the right to cancel any Request at any time.
9. Proof of transmission of a Request by the Applicant does not constitute proof of receipt by CoalSearchPlus+.
10. It is the responsibility of the Applicant to ensure the accuracy, legibility, clarity and completeness of all data and/or information provided to CoalSearchPlus+ as part of the Request, including but not limited to, names, numbers, addresses, location plans, and boundary plans. This applies whether the Request is submitted on CoalSearchPlus+ order forms either printed or published on the CoalSearchPlus+ website or on the Applicants own order form.
11. CoalSearchPlus+ may request additional relevant data and/or information from the Applicant in the course of fulfilling a Request, including, but not limited to, names, numbers, addresses, location plans, and boundary plans.
12. CoalSearchPlus+ may request clarification of data and/or information supplied by the Applicant.
13. If, subsequent to Clause 11. and/or Clause 12., requested data and/or information is not provided and/or clarified, CoalSearchPlus+ cannot be held responsible for any resultant loss or delay.
14. If, subsequent to Clause 11. and/or Clause 12., requested data and/or information is not provided and/or clarified within a reasonable period of time, CoalSearchPlus+ reserves the right to cancel the Request in whole or in part. The Applicant remains liable for all fees, Taxes and Disbursements accrued prior to the cancellation.
15. CoalSearchPlus+ reserves the right to subcontract data and/or information retrieval to selected Organisations and/or Individuals. CoalSearchPlus+ is not required to reveal the identity of its Subcontractors.
16. CoalSearchPlus+ will, in the process of fulfilling the request, retrieve data and/or information from publicly and/or commercially available sources and the CoalSearchPlus+ mining database. The sources of data used will primarily be data held by The Coal Authority under an agreement with the Health and Safety Executive, data owned by the British Geological Survey and the CoalSearchPlus+ database.
17. A CoalSearchPlus+ mining report is a report of the interpretation of the data sources in 16. made by CoalSearchPlus+ staff.
18. CoalSearchPlus+ coal mining search reports are based upon the plans and records available from data sources detailed in 16. at the time the report was produced. It should be understood that third party organisations reserve the right to vary their proposals and intentions as to their future mining operations without prior notice save as provided in the Coal Mining Subsidence Act 1994. CoalSearchPlus+ cannot be held responsible for changes to the future proposals and intentions of Third Parties.
19. The information and/or material supplied in a CoalSearchPlus+ coal mining report is composed from data based, in many cases, on measurements and records of various standards of reliability and age. In some instances (usually relating to older records) it is necessary for CoalSearchPlus+ to make assumptions regarding the 'best plot' position of mining features. For these reasons users of CoalSearchPlus+ reports should take the position of mining features detailed in reports to be indicative only.
20. The data and/or information that a coal mining search report is based on is constantly being updated. A CoalSearchPlus+ coal mining search report is based on the most up to date information available at the time that the report is produced however it cannot be guaranteed that the information and/or data will not become obsolete at some time in the future. Responsibility for the supply of accurate and up to date information to CoalSearchPlus+ lies with the data supplying organisations listed in 16.
21. A CoalSearchPlus+ coal mining search report relates only to coal mining and minerals worked in relation to coal mining. Other reports may be required in relation to other minerals.
22. A CoalSearchPlus+ coal mining search report is not a substitute for site investigation or a mining survey. Depending on the content of a coal mining search report, or whether development is intended, the Applicant must decide whether a site investigation or mining survey is required.
23. CoalSearchPlus+ coal mining reports comply with the Search Code.

Serial Number 410035

24. All CoalSearchPlus+ reports are covered by professional indemnity insurance. The content of CoalSearchPlus+ coal mining search reports does not prevent any future claim being made by the Applicant against the Coal Authority in respect of coal mining related subsidence.
25. Any liability in the instance of negligence by CoalSearchPlus+ or its employees in the interpretation of coal mining data and/or the production and provision of coal mining reports will be limited to the extent of the CoalSearchPlus+ Professional Indemnity Insurance or the value of the loss caused by the negligence, whichever is the lower.
26. All CoalSearchPlus+ coal mining search reports give the information detailed in the services section of the CoalSearchPlus+ website and summarised in the report. Further explanation of this information is available in the Glossary and/or the Frequently Asked Questions areas of the CoalSearchPlus+ website. Alternatively contact CoalSearchPlus+ who will be happy to explain the content of a report.
27. The Request is fulfilled when all reports, data and/or information requested by the Applicant have been retrieved and/or compiled by CoalSearchPlus+ and delivered by electronic mail (e-mail) or fax or post or document exchange (DX) or a combination of these methods as required by the Applicant. Alternative delivery arrangements are at the discretion of CoalSearchPlus+.
28. If Requests for multiple reports, data and/or information relating to multiple addresses were made on a single order form these will be fulfilled individually by the delivery of the reports, data and/or information relating to each individual address being treated as an individual Request.
29. CoalSearchPlus+ is not responsible for any loss or misdelivery of retrieved data and/or information caused by failure of Document Exchange (DX), Royal Mail or internet service provider. Most retrieved data and/or information is archived by CoalSearchPlus+ and a copy may be requested by the Applicant. If the data and/or information could not be archived CoalSearchPlus+ reserves the right to treat the request as a new Request.
30. Delivery, by whatever agreed means, will be accompanied by an invoice. Delivery by electronic mail may be followed up with a paper invoice by post or DX. Where Applicants have agreed account facilities with CoalSearchPlus+ invoicing may be on a monthly basis. In all cases the Applicant agrees to provide CoalSearchPlus+ with remuneration for the full amount shown on the invoice, including all Fees, Taxes and Disbursements.
31. The Applicant will be liable for payment of the full invoice amount within 14 days from the date of receipt of the invoice. CoalSearchPlus+ reserve the right to charge for costs and expenses incurred in recovering late payments and to charge interest at the rate of 8% above the Bank of England base rate per annum for the full period that the payments are overdue.
32. Where full payment of the invoice is not made by the Applicant within 14 days from receipt of the invoice CoalSearchPlus+ reserve the right to withdraw account facilities from the Applicant and cancel any individual agreements concerning fees or other Terms and Conditions that may have been made between the Applicant and CoalSearchPlus+.
33. Where possible the Applicant will receive Advance Notice of the cost of the Request, including all Fees, Taxes and Disbursements, prior to receipt of the invoice. This advance notice will take the form of the price for the service requested as published on the CoalSearchPlus+ website, or the price as individually agreed between CoalSearchPlus+ and the Applicant.
34. Additional Fees, Taxes and Disbursements may arise during the course of data and/or information retrieval, over and above Advance Notice costs as in clause 33. The Applicant is liable for any such additional costs. Where possible, the Applicant is notified of additional costs prior to fulfilment of the Request.
35. If the Applicant shall pay in advance of receipt of the invoice, then the Applicant remains liable for any underpayment.
36. Any overpayment on the part of the Applicant will be refunded. Arrangements for refunds are agreed on a case-by-case basis, through discussion between CoalSearchPlus+ and the Applicant.
37. The Applicant may cancel the Request in whole or in part at any time prior to Clause 27.
38. If the Applicant cancels the Request in whole or in part prior to Clause 27, the Applicant remains liable for all Fees, Taxes and Disbursements already accrued prior to the Cancellation.
39. CoalSearchPlus+ accept no liability for any loss incurred by the Applicant or the Applicant's client where the Applicant is acting as an agent for a client, due to late fulfilment and delivery of the Request.
40. CoalSearchPlus+ accept no liability for any loss to the Applicant, or the Applicant's client where the Applicant is acting as an agent for a client, due to any negative outcome of a report provided in the process of the correct and accurate fulfilment of the Request.
41. Any disputes relating to the provision of coal mining search reports should be addressed to the Practice Principal, CoalSearchPlus+ in the first instance. Disputes will be settled according to the CoalSearchPlus+ complaints procedure detailed in each report.
42. Independent Dispute Resolution - If you make a complaint and we are unable to resolve it to your satisfaction you may refer the complaint to The Property Ombudsman scheme (website: www.tpos.co.uk email: admin@tpos.co.uk Tel: 01722 333306). We will cooperate fully with the Ombudsman during an investigation and comply with his final decision.
43. Third Party and subcontractor Terms and Conditions shall apply in addition to these clauses. Should any conflict arise between CoalSearchPlus+ Terms and Conditions and Third Party or Subcontractor Terms and Conditions, then CoalSearchPlus+ Terms and Conditions prevail unless and until CoalSearchPlus+ expressly states otherwise in writing and/or courts of England and Wales establish otherwise.
44. No variation to these Terms and Conditions is effective unless and until CoalSearchPlus+ expressly agrees in writing.
45. CoalSearchPlus+ reserves the right to alter these terms and conditions as appropriate, without notice, at any time. Such amended Terms and Conditions will become effective upon publication on the CoalSearchPlus+ website.
46. These Terms and conditions are subject to English Law and the exclusive jurisdiction of the courts of England and Wales.

Appendix E

BGS Historic Borehole Logs

FORM P 70
SERIES 880

COMMERCIAL IN CONFIDENCE

British Geological Survey

British Geological Survey

Section of AQUEDUCT STREET Borehole

Purpose To prove all seams from Swallow Wood to
Whinmoor

Exact Site O.S. N.G.R. SE/34788/07302

SE 30 NW / 46

Level at which ~~shaft~~
bore commenced relative to O.D. 55.487 ~~m~~
~~depth~~ A.O.D.

Date of sinking or boring January/February, 1980

British Geological Survey

British Geological Survey

Sinker or borer N.C.B. Barnsley Area Drilling Team

Cores, other than coal, examined by K. J. Rees & W. J. Smith

6-INCH MAP	B/H RECD. NO.
Yorks. 274 NE (County, Sheet and Qtr.)	
SE 30 NW/46 (Nat. Grid, Sheet & Qtr.)	
Attach tracing from a map or sketch map if possible	
British Geological Survey	

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m	cm	m	cm
British Geological Survey	OPEN HOLE - NO CORE	131	29	131	29
	COAL		08	131	37
	Mudstone-seatearth	1	17	132	54
	Sandstone, light grey		10	132	64
	Mudstone, very silty		08	132	72
	Sandstone, with abundant poorly preserved plant remains		58	133	30
	Siltstone/sandstone, laminated		43	133	73
	Mudstone, silty		28	134	01
	Siltstone, grey, with coalified plant remains		31	134	32
	Siltstone/sandstone, irregularly laminated		22	134	54
	Sandstone, light grey		36	134	90
	Mudstone, grey, with occasional sandstone laminae		41	135	31
	Sandstone, with mudstone laminae		40	135	71
	Mudstone, grey		08	135	79
	Sandstone/siltstone/mudstone, interlaminated		60	136	39
	Mudstone, grey		11	136	50
	Sandstone with mudstone laminae		36	136	86
	Mudstone, grey/dark grey with ironstone bands, becoming black towards base	3	71	140	57
	Inferior COAL	18 cms			
	COAL	62 cms			
	Mudstone-seatearth, locally becoming silty and locally grading into siltstone		80	141	37
	Mudstone, grey, with roots		67	142	04
	Siltstone/sandstone, laminated		61	142	65
	MISSING CORE		76	143	41
	Mudstone, very dark grey with coal partings (fragments : very poor recovery)		33	143	74
	Mudstone-seatearth, very silty passing down into silty mudstone with roots		02	143	76
	Siltstone/sandstone, with plant remains		82	144	58
	Mudstone, grey, very silty with occasional roots, locally grading into mudstone, grey, with roots		96	145	54
	Sandstone/siltstone, laminated		79	146	33
	Siltstone/sandstone		28	146	61
	Mudstone, grey, very silty		84	147	45
	Mudstone, grey, with ironstone bands	1	07	147	52
	Sandstone/siltstone		38	148	90
	Siltstone/sandstone		96	149	86
	Sandstone/siltstone	1	50	151	36
	Siltstone/sandstone, grading locally to siltstone, with ironstone bands		28	151	64
	Siltstone, grey with occasional thin sandstone laminae and occasional ironstone bands	1	37	153	01
	Mudstone, very silty, locally grading to siltstone		61	153	62
			61	154	23

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COMMERCIAL IN CONFIDENCE

Section of AQUEDUCT STREET Borehole **1982**

6-INCH MAP	E/N
Yorks. 274 NE	
SE 30 NW	46

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	*Delete as appropriate			
		THICKNESS		DEPTH	
		= 0.001K *	= 0.001K *	= 0.001K *	= 0.001K *
TOP HAIGH MOOR	Mudstone, grey, slightly silty at top, with ironstone bands	1	89	156	12
	COAL 53 cm				
	Mudstone 04 cm				
	COAL 29 cm	1	16	157	28
	Mudstone and inferior COAL 04 cm				
	COAL 26 cm				
	Mudstone-seatearth		30	157	58
	Mudstone, with plant remains		82	158	40
	MISSING CORE		10	158	50
	Mudstone, grey, with coalified plant remains		31	158	81
LOW HAIGH MOOR	COAL 34 cm				
	Mudstone-seatearth 22 cm		96	159	77
	COAL 40 cm				
	MISSING CORE		38	160	15
	Mudstone-seatearth, light grey		23	160	38
	Mudstone, with roots, locally grading to silty mudstone with roots		33	160	71
	Sandstone		10	160	81
	Siltstone, grey		07	160	88
	Mudstone, grey		11	160	99
	Sandstone/siltstone, locally ferruginous		43	161	42
	Sandstone, light grey		58	162	00
	Siltstone		05	162	05
	Mudstone, grey, locally dark grey		33	162	38
	COAL with mudstone partings		05	162	43
	Mudstone-seatearth		18	162	61
	Sandstone, finely laminated	1	07	163	68
	Sandstone, finely laminated with calcite in joints	1	11	164	79
	Sandstone, very finely laminated		49	165	28
	Sandstone, laminated		41	165	69
	Sandstone		44	166	13
	Mudstone, black with ironstone bands and mussels		04	166	17
	Mudstone-seatearth, silty		25	166	42
	Mudstone, grey, with roots at top and ironstone nodules and other plant remains	1	75	168	17
	Siltstone, grey with irregular sandstone laminae		33	168	50
	Sandstone, light grey		26	168	76
	Siltstone/sandstone, irregularly laminated, locally ferruginous		35	169	11
	Sandstone, locally ferruginous, irregularly laminated to 170.69m	3	59	172	70
	Sandstone/siltstone/mudstone, irregularly laminated, with ironstone bands		83	173	53
	Mudstone with ironstone bands		16	173	69
	Sandstone/mudstone, irregularly laminated		17	173	86
	Mudstone with ironstone bands		18	174	04
	Sandstone/mudstone, finely laminated		18	174	22
	Mudstone with ironstone bands		47	174	69
	Mudstone, black, becoming carbonaceous		32	175	01
	Mudstone, black, canneloid		10	175	11
	Mudstone, canneloid/very inferior COAL		07	175	18
	Mudstone, grey, very silty		26	175	44
	Mudstone, grey, with ironstone bands	1	09	176	53
	Mudstone, with coal partings		03	176	56
	Mudstone, grey to dark grey		12	176	68
	COAL		01	176	69
	Mudstone, dark grey with roots and ironstone bands		86	177	55
	Sandstone/siltstone, irregularly laminated, locally ferruginous		84	178	39
	Siltstone, grey, with occasional irregular light grey sandstone laminae grading down to	1	39	179	78

COMMERCIAL IN CONFIDENCE

British Geological Survey

- MAY 1982

Section of AQUEDUCT STREET Borehole

6-INCH MAP	E/N
Yorks. 274 NE	
SE 30 NW	46

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	*Delete as appropriate			
		THICKNESS		DEPTH	
		in ROCKS	in COXX	in ROCKS	in COXX
	Mudstone, silty, grey		23	184	01
	MISSING CORE		18	180	19
	Mudstone, silty, grey, with occasional ironstone bands		71	180	90
	Mudstone, silty, locally grading to siltstone with ironstone bands	1	07	181	97
	Mudstone, grey with ironstone bands	2	08	184	05
	Mudstone, black, fissile		02	184	07
	Mudstone, grey, with ironstone bands and mussels	1	53	185	60
	MISSING CORE		33	185	93
	Mudstone, dark grey to black, with abundant mussels and ironstone bands, locally slightly silty and locally grading to siltstone	4	06	189	99
	Siltstone, dark grey with occasional light grey sandstone horizons		21	190	20
	Mudstone, dark grey to black		53	190	73
LIDGETT	Inferior COAL 07 cms				
	Mudstone with coal partings 11 cms				
	Inferior COAL 19 cms				
	Mudstone, grey to dark grey 06 cms	1	23	191	96
	COAL 64 cms				
	Inferior COAL with mudstone partings 05 cms				
	Inferior COAL 11 cms				
	Mudstone-seatearth, grey with coal partings becoming darker grey downwards and becoming mudstone with roots				
	COAL		70	192	66
	Mudstone, grey to dark grey with roots		03	192	69
	COAL with mudstone partings		10	192	79
	Mudstone, grey with occasional coal partings towards base		12	192	91
	Inferior COAL and mudstone		12	193	03
	Mudstone, dark grey		10	193	13
	COAL with pyrites		09	193	22
	Mudstone-seatearth, grey		24	193	46
	COAL 5		13	193	59
	Mudstone, grey to dark grey with roots and other plant remains		02	193	61
	Siltstone, grey with abundant mudstone laminae		27	193	88
	Siltstone/sandstone, finely interbanded		43	194	31
	Sandstone, banded		71	195	02
	Sandstone		82	195	84
	Sandstone, banded		27	196	11
	Sandstone, light grey		69	196	80
	Sandstone/siltstone		41	197	21
	Sandstone, light grey, laminated		56	197	77
	Mudstone, grey		58	198	35
	Sandstone with mudstone partings		30	198	65
	Mudstone with fine sandstone laminae		23	198	88
	Sandstone with mudstone laminae		28	199	16
	Mudstone, dark grey to black with shelly ironstone bands	1	19	200	53
	Mudstone, grey, silty		08	200	61
	Sandstone, light grey, laminated, with plant remains		11	200	72
	Mudstone, dark grey to black, slightly silty with shelly ironstone bands		56	201	35
	COAL with pyrites		11	201	46
	Mudstone-seatearth, grey with coal partings		32	201	78
	Siltstone/sandstone with roots		38	202	16
	Sandstone/siltstone, light grey, with roots		36	202	52
	Mudstone, grey, slightly silty with roots		25	202	77
	COAL		06	202	83
	Mudstone, dark grey with coal partings		04	202	87

COMMERCIAL IN CONFIDENCE

Section of AQUEDUCT STREET Borehole.....

6-INCH MAP	B/M
Yorks. 274 NE	
SE 30 NW	46

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	*Delete as appropriate			
		THICKNESS		DEPTH	
		m XXXXX	cm XXXX	m XXXXX	cm XXXX
	Mudstone-seatearth, grey, very silty		08	202	95
	Sandstone/siltstone		20	203	15
	Mudstone, grey, with plants and ironstone bands		18	203	33
	Siltstone/sandstone, light grey with plants, locally ferruginous		53	203	86
	Sandstone/siltstone		41	204	27
	Siltstone, grey		29	204	56
	Mudstone, grey		57	205	13
	Siltstone, grey		31	205	44
	Sandstone/siltstone, light grey with ironstone nodules		30	205	74
	Siltstone, grey		18	205	92
	Mudstone, locally silty, grey with ironstone nodules		66	206	58
	Siltstone, grey, with occasional sandstone laminae		50	207	08
	Sandstone/siltstone		26	207	34
	Siltstone, grey, with abundant sandstone laminae and ironstone bands		64	207	98
	Sandstone	4	04	212	02
	Siltstone/sandstone with ironstone bands at base		15	212	17
	Mudstone, silty, grey with ironstone bands and locally grading to siltstone with occasional thin sandstone horizons	1	04	213	21
	Siltstone with ironstone bands, locally grading to very silty mudstone		66	213	87
	Sandstone, light grey		05	213	92
	Mudstone, grey, silty with abundant light grey sandstone laminae and ironstone bands		66	214	58
	Mudstone, grey, very silty, with ironstone bands		25	214	83
	Siltstone, locally grading to very silty mudstone with ironstone bands		97	215	80
	Mudstone, grey to slightly grey with ironstone bands	2	67	218	47
	MISSING CORE	1	29	219	76
	Mudstone, grey to darker grey, with ironstone bands		82	220	58
Clay Cross Marine Band	Mudstone, very dark grey to black, silty with mussels, Spirorbis and Lingula at base	3	12	223	70
	Mudstone, grey		04	223	74
	COAL with mudstone partings		07	223	81
	Mudstone, grey		10	223	91
	COAL with mudstone partings		07	223	98
	Mudstone, grey with roots		25	224	23
JOAN	COAL		33	224	56
	Mudstone, black, carbonaceous		03	224	59
	Mudstone-seatearth, light grey to slightly grey-green		50	225	09
	Mudstone, dark grey		54	225	63
	Siltstone, grey		10	225	73
	Sandstone/siltstone		08	225	81
	Mudstone, grey to dark grey, with ironstone bands		86	226	67
	Siltstone/sandstone		23	226	90
	Sandstone/siltstone	1	27	228	17
	Siltstone, grey with sandstone laminae and with occasional roots near top	1	27	229	44
	Mudstone, grey with ironstone bands		94	230	38
	Inferior COAL with carbonaceous mudstone partings		05	230	43
	Mudstone, grey with ironstone bands		08	230	51
	MISSING CORE	1	44	231	95
	Siltstone, grey, with roots		23	232	18
	Mudstone, grey		16	232	34

Section of **AQUEDUCT STREET Borehole**

8-INCH MAP	S/N
Yorks. 274 NE	
SE 30 NW	46

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	*Delete as appropriate			
		THICKNESS		DEPTH	
		m XXX'	cm XXX'	m XXX'	cm XXX'
	Siltstone/sandstone		22	232	56
	Mudstone, silty, grey		22	232	78
	Sandstone, laminated, light grey		22	233	00
	Siltstone, grey, with fine sandstone laminae		33	233	33
	Mudstone, grey, silty to very silty and locally grading to siltstone with occasional sandstone laminae	1	44	234	77
	Siltstone/sandstone, laminated		23	235	00
	Mudstone, grey, becoming darker grey downwards, with occasional ironstone bands	1	22	236	22
	Mudstone, dark grey to locally black with abundant mussel-rich horizons and ironstone bands	2	69	238	91
	Mudstone, grey with ironstone bands	1	50	240	41
	Ironstone, shelly		16	240	57
	Mudstone, very dark grey to black with abundant mussels		40	240	97
	MISSING CORE		13	241	10
	Mudstone, as above	2	30	243	40
FLOCKTON THICK (Top Leaf)	Inferior COAL 8 cms				
	GOAL 52 cms		69	244	09
	Inferior Cannel 9 cms				
	Canneloid Mudstone		05	244	14
	Mudstone, dark grey, silty, with roots		08	244	22
	Sandstone, light grey, fine-grained, with roots	1	15	245	37
	Mudstone, grey, with ironstone bands	1	57	246	94
FLOCKTON THICK (Lower Leaf)	COAL, inferior		20	247	14
	Mudstone-seatearth, grey to dark grey		18	247	32
	Siltstone/sandstone, light grey to grey with roots down to 250.55m	4	14	251	46
	Siltstone, grey with occasional sandstone laminae	1	22	252	68
	Siltstone/sandstone		92	253	60
	Mudstone, grey with ironstone bands	1	21	254	81
	Sandstone/siltstone with contorted bedding		92	255	73
	Siltstone, locally grading to very silty mudstone with occasional plant remains	1	52	257	25
	Mudstone, grey, silty with occasional thin sandstone laminae		92	258	17
	Siltstone/sandstone		81	258	98
	Mudstone, grey, silty to very silty with ironstone bands		66	259	64
	Mudstone, grey to dark grey with occasional mussels and ironstone bands	2	03	261	67
	Mudstone, very dark grey to black, with abundant mussels		54	262	21
	MISSING CORE		17	262	38
	Mudstone, very dark grey, with abundant mussels		03	262	41
	Mudstone, very dark grey with ironstone bands	1	42	263	83
	Mudstone, black, with abundant mussels		13	263	96
	Mudstone, grey to dark grey, with ironstone bands	2	21	266	17
	MISSING CORE		46	266	63
	Mudstone, grey, with ironstone bands	1	24	267	87

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Section of AQUEDUCT STREET Borehole

-- MAY 1982

6-INCH MAP	E/W
Yorks. 274 NE	
SE 30 NW	46

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	*Delete as appropriate			
		THICKNESS		DEPTH	
		XXXX	CM XXXX	XXXX	CM XXXX
FLOCKTON THIN	COAL		26	268	13
	Mudstone		17	268	30
	COAL		03	268	33
	Mudstone-seatearth, dark grey		15	268	48
	COAL		17	268	65
	Sandstone-seatearth	1	20	269	85
	Mudstone, grey		10	269	95
	Sandstone/siltstone		08	270	03
	Sandstone, light grey		36	270	39
	Sandstone, laminated		20	270	59
	Siltstone, grey, locally grading to very silty mudstone with roots		48	271	07
	Mudstone, grey		16	271	23
	COAL		12	271	35
	Mudstone-seatearth, dark grey, slightly silty		23	271	58
	MISSING CORE		30	271	88
	Mudstone-seatearth, grey, passing down to mudstone with roots	1	12	273	00
	Siltstone/very silty mudstone, grey, with occasional very thin sandstone laminae with roots	1	00	274	00
	Sandstone, light grey		25	274	25
	Mudstone, grey to dark grey, locally silty at top with plant remains and ironstone nodules and plants	3	12	277	37
	Siltstone, grey, grading to very silty mudstone	1	83	179	20
	Mudstone, grey to dark grey with abundant plant remains and ironstone bands	1	52	280	72
	Mudstone, grey, silty with plant remains		31	281	03
	Mudstone, grey, slightly silty with plant remains		91	281	94
	Mudstone, grey to dark grey with abundant plant remains and occasional ironstone bands	1	70	283	64
	Mudstone, dark grey with occasional coal partings		05	283	69
FENTON	COAL	34 cms			
	Inferior COAL	07 cms			
	COAL	48 cms			
	Mudstone-seatearth	12 cms			
	Inferior COAL	15 cms	1	91	285 60
	Carbonaceous Mudstone	03 cms			
	COAL	27 cms			
	Mudstone-seatearth	28 cms			
	Carbonaceous Mudstone	05 cms			
	Inferior COAL	12 cms			
	Mudstone-seatearth		03	285	63
	Mudstone, carbonaceous		08	285	71
	Mudstone-seatearth		14	285	85
	Mudstone, grey, very silty, with roots		31	286	16
	Mudstone, with ironstone nodules, silty		18	286	34
	Siltstone, fine, roots, plants and ironstone nodules	1	42	287	76
	Mudstone, silty with ironstone bands		15	287	91
	Mudstone, weak and crushed in parts with ironstone nodules and listrics	1	30	289	21
	COAL, inferior		01	289	22
	Seatearth, weak, fawn with ironstone nodules		57	289	79
	Siltstone-seatearth, weaker in parts and with ironstone nodules		61	290	40
	Siltstone, strong		23	290	63
	Siltstone	2	16	292	79
	Siltstone, rather crushed and broken		13	292	92
	Seatearth and mudstone, very crushed and broken	1	39	294	31
	MISSING CORE		36	294	67

COMMERCIAL IN CONFIDENCE

Section of AQUEDUCT STREET Borehole

6-INCH MAP	B/W
Yorks. 274 NE	
SE 30 NW	46

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	*Delete as appropriate			
		THICKNESS		DEPTH	
		m	cm	m	cm
	Sands and silts	1	22	295	89
	Silts, fine with abundant well preserved plants	4	01	299	90
	Interlaminated silts and sands	9	78	309	68
PARKGATE	COAL 43 cms				
	Mudstone-seatearth 33 cms				
	Inferior COAL 05 cms	1	32	311	00
	COAL 51 cms				
	Siltstone-seatearth		20	311	20
	Interlaminated silts and sands		82	312	02
	Siltstone and roots		56	312	58
	Siltstone with calcite veins at top	1	32	313	90
	Mudstone, crushed		18	314	08
	Siltstone		45	314	53
	Sandstone, pale grey		49	315	02
	Silt, fine with sandy laminae		73	315	75
	Mudstone, silty		51	316	26
	Mudstone, crushed		36	316	62
	Ironstone		07	316	69
	Mudstone, planty		05	316	74
	Mudstone, dark, shaly, with abundant mussels and ostracods		38	317	12
	Sandstone, massive, pale grey, with roots		30	317	42
	Sandstone, massive, quartzitic at top	1	30	318	72
	Siltstone, fine with plant straps		97	319	69
	Mudstone with ironstone bands	1	14	320	83
	Mudstone and ironstone bands, weak and crushed in parts		33	321	16
	Mudstone, black, shaly with mussels		54	321	70
	COAL		11	321	81
	Mudstone-seatearth, dark grey		10	321	91
	Mudstone-seatearth, grey		22	322	13
	Siltstone-seatearth, fine		20	322	33
	Mudstone, with ironstone bands	2	97	325	30
	Mudstone, black		05	325	35
	Mudstone, grey, weak and with ironstone bands		23	325	58
	Ironstone		18	325	76
	Mudstone with ironstone nodules and bands		15	325	91
	Sand and silt		08	325	99
	Siltstone, fine		36	326	35
	Sandstone, pale fawn		12	326	47
	Siltstone, fine, with ferruginous patches and comminuted plant debris	1	91	328	38
	Mudstone, silty, with ironstone bands		69	329	07
	Siltstone, fine, with ironstone bands	1	14	330	21
	Mudstone, weak, flaky, crushed, with some ironstone bands	1	19	331	40
	Shale, dark grey/black, with Guilielmmites		36	331	76
THORNCIFFE	COAL 53 cms				
	Mudstone 17 cms				
	Carbonaceous mudstone 06 cms				
	Inferior COAL 04.5 cms				
	Carbonaceous mudstone 01.5 cms				
	COAL 09 cms	1	24	333	00
	Carbonaceous mudstone 03 cms				
	Inferior COAL 07 cms				
	Carbonaceous mudstone 10 cms				
	Inferior COAL 03.5 cms				
	Carbonaceous mudstone 05 cms				
	Very Inferior COAL 04.5 cms				
	Mudstone with coal streaks		08	333	08
	Mudstone-seatearth, weak, carbonaceous in top 5 cms		42	333	50
	Siltstone, strong with sandy bands	1	83	335	33
	MISSING CORE		41	335	74

FORM P 71
SERIES 680

British Geological Survey

COMMERCIAL IN CONFIDENCE

British Geological Survey

Section of **AQUEDUCT STREET Borehole**

6-INCH MAP	E/W
Yorks. 274 NE	
SE 30 NW	46

*Delete as appropriate

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m	ft	m	ft
	Sandstone, with siltstone horizons	1	22	336	96
	Siltstone/sandstone, banded		66	337	62
	Siltstone, grey, locally grading to silty mudstone	1	32	338	94
	Mudstone, grey		31	339	25
	Mudstone, darker grey than above		91	340	16
	Mudstone, grey, grading down to silty mudstone		76	340	92
	Sandstone/siltstone		23	341	15
	Siltstone, grey, grading down to silty mudstone		99	342	14
	Mudstone, grey, silty		31	342	45
	Mudstone, grey to dark grey with ironstone bands		17	342	62
	Mudstone, black		03	342	65
	COAL with mudstone partings		10	342	75
	Mudstone, very dark grey		02	342	77
	COAL		04	342	81
	Mudstone-seatearth, grey		30	343	11
	Mudstone, very dark grey with plant remains and coal partings		45	343	56
	Mudstone, dark grey with roots and other plant remains		13	343	69
	Siltstone/sandstone, with occasional roots		28	343	97
	Sandstone		38	344	35
	Sandstone/siltstone with plant remains		38	344	73
	Sandstone/siltstone		99	345	72
	Siltstone/sandstone		79	346	51
	COAL		32	346	83
	Mudstone-seatearth, grey		21	347	04
	Siltstone/sandstone with roots		44	347	48
	Sandstone/siltstone, with roots, locally ferruginous	1	01	348	49
	Siltstone, grading to very silty mudstone		51	349	00
	Sandstone/siltstone		35	349	35
	COAL		45	349	80
	Sandstone-seatearth, with abundant coal partings		34	350	14
	Mudstone-seatearth, silty at top, with ironstone nodules		38	350	52
	Mudstone, grey with occasional roots		94	351	46
	Mudstone, very dark grey, black, fissile	1	20	352	66
	Mudstone, grey with ironstone bands	1	83	354	49
	Mudstone, very dark grey		05	354	54
	MISSING CORE		10	354	64
	Mudstone, very dark grey		23	354	87
	Mudstone, grey, becoming dark grey		38	355	25
	COAL		01	355	26
	Mudstone-seatearth, dark grey with coal partings		27	355	53
	Mudstone-seatearth, grey		25	355	78
	Sandstone, grey, with occasional roots		84	356	62
	Siltstone, grey		28	356	90
	Sandstone, banded		86	357	76
	Siltstone/sandstone		21	357	97
	Mudstone/siltstone, laminated		07	358	04
	Siltstone, grey		23	358	27
	MISSING CORE		18	358	45
	Sandstone, light grey, banded		20	358	65
	Mudstone, very silty with ironstone bands		36	359	01
	Sandstone/siltstone with ironstone bands		28	359	29
	Sandstone with occasional ironstone bands	2	33	361	62
	COAL		08	361	70
	MISSING CORE		10	361	80
	COAL		13	361	93

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6-INCH MAP	B/W
Yorks. 274 NE	
SE 30 NW	46

Section of AQUEDUCT STREET Borehole

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	*Delete as appropriate			
		THICKNESS		DEPTH	
		m	feet	m	feet
	Mudstone, very dark grey with abundant plant remains and coal partings		71	362	64
	Siltstone		15	362	79
	Mudstone, locally silty, grey with roots		28	363	07
	Siltstone, locally grading to very silty mudstone		86	363	93
	Mudstone, grey		08	364	01
	Sandstone, light grey		69	364	70
	Sandstone, with irregular "rafts" of mudstone and ironstone nodules		28	364	98
	Sandstone with ironstone bands	3	09	368	07
	Sandstone/siltstone		72	368	79
	Siltstone, grey		28	369	07
	Mudstone, grey to dark grey, with ironstone bands	2	79	371	86
	Mudstone, very dark grey/black, fissile with ironstone bands	1	14	373	00
	Inferior COAL		08	373	08
	Mudstone-seatearth, dark grey		30	373	38
	Mudstone, dark grey with abundant small ironstone nodules and occasional sandstone laminae		82	374	20
	MISSING CORE		86	375	06
	Mudstone, dark grey, locally slightly silty	1	73	376	79
	Mudstone, as above, with occasional very thin sandstone horizons		30	377	09
	Sandstone, laminated		15	377	24
	Mudstone, very silty with thin sandstone laminae		16	377	40
	Sandstone/siltstone		25	377	65
	Mudstone, dark grey, slightly silty with occasional thin sandstone laminae down to 377.80m		44	378	09
SILKSTONE	COAL	55 cms			
	Mudstone, carbonaceous	04 cms			
	COAL, inferior	05 cms	81	378	90
	Mudstone	04 cms			
	COAL, inferior	13 cms			
	Mudstone-seatearth, becoming silty downwards		58	379	48
	Siltstone-seatearth, locally grading to very silty mudstone		92	380	40
	Sandstone, light grey, locally grading to siltstone with occasional roots		60	381	00
	Siltstone, grading to very silty mudstone		56	381	56
	Sandstone/siltstone, with contorted bedding	1	48	383	04
	Sandstone, light grey, locally ferruginous		53	383	57
	Siltstone/sandstone		56	384	13
	Sandstone		13	384	26
	Siltstone/sandstone, with ironstone bands		52	384	78
	Sandstone, with occasional siltstone horizons		43	385	21
	Siltstone/sandstone		57	385	78
	Sandstone, light grey		25	386	03
	Siltstone/sandstone		56	386	59
	Sandstone, light grey	1	37	387	96
	Siltstone/sandstone		26	388	22
	Sandstone, light grey, banded, with siltstone towards base		40	388	62
	Siltstone/sandstone with occasional ironstone bands		62	389	24
Low Estheria Band	Mudstone, grey, silty at top with occasional Estheria		15	389	39
	COAL		30	389	69
	Mudstone		05	389	74
	COAL		10	389	84
	Siltstone-seatearth, grey		28	390	12
	Sandstone, light grey, locally ferruginous	2	50	392	62

FORM P 71
SERIES 680

British Geological Survey

Section of **AQUEDUCT STREET Borehole**

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8-INCH MAP	B/H
Yorks. 274 NE	
SE 30 NW	46

*Delete as appropriate

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m	ft	m	ft
	Siltstone, grey with abundant sandstone laminae		78	393	40
	Sandstone/siltstone, light grey		30	393	70
	Siltstone, grey	2	24	395	94
	Mudstone, grey, silty at top, with ironstone bands	1	83	397	77
	Mudstone, very silty, with ironstone bands		25	398	02
	Sandstone/siltstone		92	398	94
	Mudstone, grey, silty at top with thin ironstone bands, occasional thin shelly ironstone bands and abundant mussels at 400.51m	4	31	403	25
	Mudstone, very dark grey		23	403	48
	COAL		05	403	53
	MISSING CORE		41	403	94
	Mudstone, dark grey at top with roots and ironstone bands		33	404	27
	Siltstone, grey with roots		41	404	68
	Sandstone/siltstone, with roots and ironstone bands		51	405	19
	Siltstone, grey, with roots and ironstone nodules		61	405	80
	Sandstone, light grey, banded		56	406	36
	Mudstone, grey, silty at top		66	407	02
	Siltstone, grey, grading to silty mudstone		30	407	32
	Mudstone, grey, silty		21	407	53
LOUSEY HORIZON	- Floor at 409.90m (E-logs)				
	MISSING CORE	2	58	410	11
	Mudstone, dark grey with plant remains, occasionally coalified, with ironstone bands		31	410	42
	Mudstone, grey, silty, with plant remains		15	410	57
	Siltstone/sandstone		31	410	88
	Sandstone, light grey				
	Siltstone/sandstone, with occasional ironstone bands	2	06	413	24
	Siltstone, grey, with ironstone bands		28	413	52
	Sandstone/siltstone, with occasional ironstone bands		26	413	78
	Siltstone/sandstone, grading down to siltstone		63	414	41
	Sandstone, laminated, locally ferruginous	1	65	416	06
	Siltstone/sandstone	1	14	417	20
	Mudstone, dark grey		13	417	33
	Mudstone, grey, slightly silty to silty, with ironstone bands		40	417	73
	MISSING CORE		06	417	79
	Mudstone, as above	1	01	418	80
	Mudstone, very dark grey, locally silty to very silty with finely comminuted plant debris and with listrications below 422.76m	4	65	423	45
	Mudstone, silty/sandstone, interbanded		23	423	68
	As above, ferruginous		15	423	83
	COAL (fragments)		02	423	85
	Mudstone with coal partings		19	424	04
	COAL		17	424	21
	Mudstone-seatearth, silty with small ironstone nodules and occasional pyrites grading down to:-		69	424	90
	Siltstone, grey, with roots		28	425	18
	Sandstone/siltstone		11	425	29
	Siltstone, grading to very silty mudstone with ironstone bands and occasional roots		33	425	62
	Sandstone/siltstone		14	425	76
	Mudstone, grey, with ironstone bands		25	426	01

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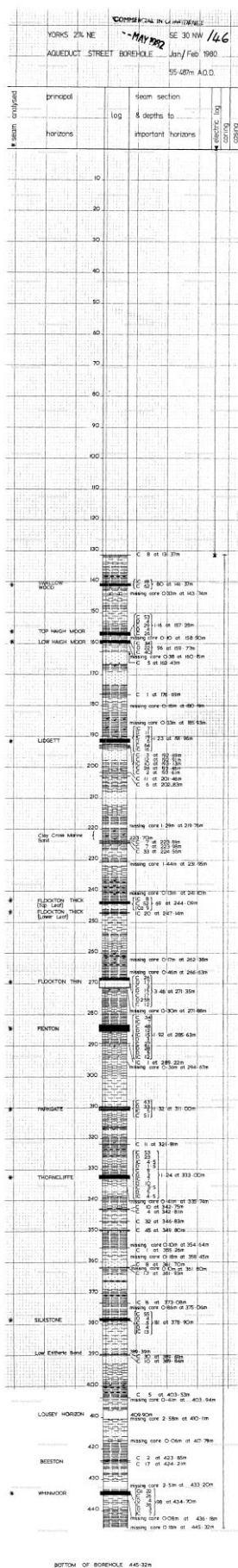
Section of AQUEDUCT STREET Borehole

8-INCH MAP	B/H
Yorks. 274 NE	
SE 30 NW	46

*Delete as appropriate

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Appendix F
Notes on Limitations
&
Contamination
Guidelines

These conditions accompany our tender and supercede any previous conditions issued. Solmek will prepare a report solely for the use of the Client (the party invoiced) and its agent(s). No reliance should be placed on the contents of this report, in whole or in part by 3rd parties. The report, its content and format and associated data are copyright, and the property of Solmek. Photocopying of part or all of the contents, transfer or reproduction of any kind is forbidden without written permission from Solmek. A charge may be levied against such approval, the same to be made at the discretion of Solmek. Solmek was a trading name of Hymas Geoenvironmental Ltd.

Solmek cannot be held liable and do not warrant, or otherwise guarantee the validity of information provided by third parties and subsequently used in our reports. Solmek are not responsible for the action negligent of otherwise of subcontractors or third parties.

Site investigation is a process of sampling. The scope and size of an investigation may be considered proportional to levels of confidence regarding the ground and groundwater conditions. The exploratory holes undertaken investigate only a small volume of the ground in relation to the overall size of the site, and can only provide a general indication of site conditions. The opinions provided and recommendations given in this report are based on the ground conditions as encountered within each of the exploratory holes. There may be different ground conditions elsewhere on the site which have not been identified by this investigation and which therefore have not been taken into account in this report. Reports are generally subject to the comments of the local authority and Environment Agency. The comments made on groundwater conditions are based on observations made at the time that site work was carried out. It should be noted that mobile contamination, ground gas levels and groundwater levels may vary owing to seasonal, tidal and/or weather related effects. Solmek cannot be held liable for any unrecorded or unforeseen obstructions between exploratory boreholes and trial pits. This includes instances where previous structures on the site (buried man made structures) or the presence of boulder clay (cobbles and/or boulder obstructions) have been anticipated. All types of piling operations should make allowance for obstructions within the construction budget to accommodate this. Unrecorded ancient mining may occur anywhere where seams that have been worked and influence the rock and soil above. Dissolution cavities can occur where gypsum or chalk is present. Rotary drilling is the recommended technique to prove the integrity of the rock.

Where the scope of the investigation is limited via access to information, time constraints, equipment limitations, testing, interpretation or by the client or his agents budgetary constraints, elements not set out in the proposal and excluded from the report are deemed to be omitted from the scope of the investigation.

Desk studies are generally prepared in accordance with RICS guidelines. Environmental site investigations are generally undertaken as 'exploratory investigations' in accordance with the definitions provided in paragraph 5.4 of BS 10175:2001 in order to confirm the conceptual assumptions. You are advised to familiarize yourself with the typical scope of such an investigation. No pumping of water will be undertaken unless a licence or facilities/equipment have been arranged by others.

Where the type, number or/and depth of exploratory hole is specified by others, Solmek cannot and will not be responsible for any subsequent shortfall or inadequacy in data, and any consequent shortfall in interpretation of environmental and geotechnical aspects which may be required at a later date in order to facilitate the design of permanent or temporary works.

All information acquired by Solmek in the course of investigation is the property of Solmek, and, only also becomes the joint property of the Client only on the complete settlement of all invoices relating to the project. Solmek reserve the right to use the information in commercial tendering and marketing, unless the Client expressly wishes otherwise in writing. The quoted rates do not include VAT, and payment terms are 30 days from dispatch of invoice from our offices. Quotes are subject to a site visit.

We have allowed for 1 mobilisation and normal working hours unless otherwise stated. The scope of the investigation may be reviewed following the desk study and/or fieldwork. The presence or otherwise of Japanese Knotweed or other invasive plants can be difficult to identify especially during winter months. If Japanese Knotweed or other invasive species are suspect, it should be confirmed by an ecologist. We have not allowed for acquiring services information, and cannot be responsible for damage to underground services or pipes not shown to us or not clearly shown on plans. Costs incurred will be passed on to you, and in commissioning Solmek you understand and accept that you/your agent have a contractual relationship with Solmek & you accept this. Our rates assume unobstructed, reasonably level and firm access to the exploratory positions and adequate clear working areas and headroom. We have priced on the basis that you or your client have the necessary permissions, wayleaves and approvals to access land. All boreholes and pits are backfilled with arisings except where gas monitoring pipes are installed with stopcock covers. Solmek are not responsible for any uneven surfaces as a result of siteworks and rutting and backfilled excavations may require re-levelling and/or making good by others after fieldwork is complete, and Solmek has not allowed for this. No price has been provided or requested for a return visit to remove pipework and covers. Hourly rates apply to consultancy only and do not include expenses unless otherwise shown. If warranties are required, legal costs incurred will be passed on to you assuming Solmek agree to complete such warranties, modified or otherwise and you understand and agree to pay all costs.

We reserve the right to pursue full payment of the invoice prior to release of any information including reports. We advise you/your client that we may elect to pursue our statutory rights under late payment legislation, and will apply 8% to the base rate for unreasonably late payments. Solmek are exempt from the CIS Scheme. Solmek offer to undertake work only in strict accordance with conditions covered by our current insurances, which are available for inspection. Solmek are not responsible for acts, negligent or otherwise of subcontractors and as a matter of policy cannot indemnify any other parties. Professional indemnity Insurance is limited to ten times the invoice net total except where stated otherwise by Solmek. Solmek give notice that consequential loss as a direct or indirect result of Solmek's activities or omission of the same are excluded.

UK BACKGROUND

Environmental Protection Act 1990: Part 2A Revised Statutory Guidance (April 2012)

This revised document explains how the Local Authority should decide if land, based on a legal interpretation, is contaminated. The document replaces the previous guidance given in Annex 3 of DEFRA Circular 01/2006, issued in accordance with section 78YA of the 1990 Environmental Protection Act.

The main objectives of the Part 2A regime are to *“identify and remove unacceptable risks to human health and the environment”* and to *“seek to ensure that contaminated land is made suitable for its current use”*.

Part 2A uses a risk based approach to defining contaminated land whereby the “risk” is interpreted as *“the likelihood that harm, or pollution of water, will occur as a result of contaminants in, on or under the land”* and by *“the scale and seriousness of such harm or pollution if it did occur”*.

For a relevant risk to exist a contaminant, pathway and receptor linkage must be present before the land can be considered to be contaminated. The document explains that *“for a risk to exist there must be contaminants present in, on or under the land in a form and quantity that poses a hazard, and one or more pathways by which they might significantly harm people, the environment, or property; or significantly pollute controlled waters.”*

A conceptual model is used to develop and communicate the risks associated with a particular site.

To determine if land is contaminated the local authority use various categories from 1 to 4. Categories 1 and 2 include *“land which is capable of being determined as contaminated land on grounds of significant possibility of significant harm to human health.”*

Categories 3 and 4 *“encompass land which is not capable of being determined on such grounds”*.

PRELIMINARY CONCEPTUAL MODEL

Preliminary Conceptual Models are undertaken in accordance with CIRIA C552. The Preliminary Conceptual Model assesses the consequence and the likelihood of a risk being realised to provide a risk classification, using the tables detailed below.

CONSEQUENCE OF RISK BEING REALISED (Based on C552 CIRIA, 2001)

Classification	Definition	Example
Severe	Short-term (acute) risk to human health, the environment, an element of the development or other aspect with is likely to result in <i>significant harm</i> , damage or both.	High concentrations of cyanide on the surface of an informal recreational area. Major spills of contaminants from site into controlled water. High concentrations of explosive gas in the subsurface environment that have a clear unobstructed pathway into buildings.
Moderate	Chronic damage to human health, a plausible chance that an event will occur, although the timeline is not immediate to be in the short-term.	Appreciable concentration of contamination that over the longer-term will cause significant harm i.e. high lead concentration in topsoil. Shallow mine workings that are potentially unstable but may remain in a satisfactory or stable conditions for a number of years.
Mild	Low level pollution of non-sensitive water, a feasible hazardous scenario although the timeline of such occurring can probably be considered in 10's of years.	The effect of high sulphate concentrations on structural concrete. Pollution of non-classified groundwater.
Minor	Harm, although not necessarily significant to human health, or with respect to other aspects of the development, which are considered implausible in terms of occurrence, or will have little consequential impact.	The presence of contaminants at such low concentrations that protective equipment is required during site works. Any damage to structures is minimal and will not be structural in characteristics.

PROBABILITY OF RISK BEING REALISED (C552 CIRIA, 2001)

Classification	Definition
High Likelihood	There is a viable pollutant linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence that the receptor has been harmed or polluted.
Likely	There is a viable pollutant linkage and all elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low Likelihood	There is a viable pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is a viable pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

RISK CLASSIFICATION MATRIX (C552 CIRIA, 2001)

Risk = Probability x Consequence		Consequence			
		Severe	Moderate	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Moderate/low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

HUMAN RECEPTORS

Human exposure to contaminants present in soils can occur via several pathways. Direct exposure pathways include dermal absorption after contact with contaminated ground, inhalation of soil or dust, inhalation of volatilised compounds, and inadvertent soil ingestion (or deliberate soil ingestion in the case of some children). Other indirect pathways include human ingestion of plants grown in contaminated soil or contaminated ground or surface water. Contaminants associated with wind blown dust can affect humans on surrounding sites.

VEGETATION

Plants can be affected by soil contamination in a number of ways resulting in growth inhibition, nutrient deficiencies and yellowing of leaves. Contaminants are taken up by plants through the roots and through foliage. Contaminants identified as being highly phytotoxic include boron, cadmium, copper, lead, nickel, and zinc.

To establish if the levels of contaminants present on a site may pose a risk to vegetation the results of the contamination testing are compared to a series of threshold values published in 'Code of Good Agricultural Practice for the Protection of Soil'.

GROUNDWATER AND SURFACE WATER RECEPTORS

The principal pathway by which soil contamination may reach the water environment is through a slow seepage or leaching to groundwater or surface water. The potential for contaminants to migrate along such pathways is dependent on the chemical and physical characteristics of the contaminants and the local hydrogeology. Surface watercourses may also accumulate contamination as contaminated sediments are deposited within the water body.

Where the site investigated overlies major/principal aquifers (and in some cases minor/secondary aquifers depending on certain conditions), groundwater Source Protection Zones and areas in close proximity to groundwater abstractions, contamination test results have been compared with the Water Supply (Water Quality) Regulations 1989 and The Water Supply (Water Quality) Regulations 2000.

Should a surface water receptor, such as a fresh water environment (river, canal, stream, lake etc), or marine environment be considered sensitive in relation to a site, then test results are compared with DEFRA & SEPA Environmental Quality Standards (2004). Many of the Environmental Quality Standards are hardness (CaCO_3) depended. Where no hardness values are available, Solmek assume conservative values (of between 0 and 50mg/l).

In the absence of vulnerable ground and surface water environments, Solmek may compare any test results with the Environment Agency Leachate Quality Threshold Values.

DETAILED QUANTITATIVE RISK ASSESSMENT (DQRA)

In line with CLR 11- Model Procedures, a DQRA for groundwater/human health may be required following a Phase 2 investigation and before the preparation of a Phase 3 Remediation Strategy. For human health DQRA, a site specific assessment criteria is undertaken using CLEA Software Version 1.06. For groundwater DQRA, the Environment Agency Remedial Targets Worksheet Version 3.1 is used.

WASTE ACCEPTANCE CRITERIA

The WAC testing relates to materials that are to be exported from a site/development to landfill, and do not directly relate to human health specifically. The WAC test categorises materials as either inert waste, non-reactive hazardous waste, and hazardous waste.

The testing results are generally presented as certificates which can be used by site owners/contractors etc, which should be presented to the accepting waste facility or waste contractor.

CONSTRUCTION MATERIALS

Materials at risk from possible soil contaminants include inorganic matrices such as cement and concrete and also organic material such as plastics and rubbers. Acid ground conditions and high levels of sulphates can accelerate the corrosion of building materials. Where pH and soluble sulphate analysis has been undertaken, Solmek compare the test results with the guidelines presented within BRE Special Digest 1, 2005 (3rd Edition) 'Concrete in Aggressive Ground'. Plastics and rubbers are generally used for piping and service ducts and are potentially attacked by a range of chemicals, most of which are organic, particularly petroleum based substances. Drinking water supplies can be tainted by substances that can penetrate piping and water companies enforce stringent threshold values.

The levels of potential contaminants should be compared to thresholds supplied in the UK Water Industry Research (UKWIR) publication "Guidance for the selection of Water Supply Pipes to be used in Brownfield Sites" (January 2011). A Brownfield Site is defined in the document as "Land or premises that have not previously been used or developed that may be vacant or derelict". It should be noted that Brownfield sites may not be contaminated. The guidance does not apply to Greenfield Sites however water companies may have their own assessment criteria which should be checked by the developer. The table below outlines the pipe material selection threshold concentrations.

Parameter group	Pipe Material (Threshold concentrations in mg/kg)					
	PE	PVC	Barrier pipe (PE-AL-PE)	Wrapped Steel	Wrapped Ductile Iron	Copper
Extended VOC suite by purge and trap or head space and GC-MS with TIC	0.5	0.125	Pass	Pass	Pass	Pass
+ BTEX + MTBE	0.1	0.03	Pass	Pass	Pass	Pass
SVOCs TIC by purge and trap or head space and GC-MS with TIC (aliphatic and aromatic C5-C10)	2	1.4	Pass	Pass	Pass	Pass
+ Phenols	2	0.4	Pass	Pass	Pass	Pass
+ Cresols and chlorinated phenols	2	0.04	Pass	Pass	Pass	Pass
Mineral oil C11-C20	10	Pass	Pass	Pass	Pass	Pass
Mineral oil C21-C40	500	Pass	Pass	Pass	Pass	Pass
Corrosive (Conductivity, Redox and pH)	Pass	Pass	Pass	Corrosive if pH <7 and conductivity >400µS/cm	Corrosive if pH <5, Eh not neutral and conductivity >400µS/cm	Corrosive if pH <5 or >8 and Eh positive
Specific suite identified as relevant following site investigation						
Ethers	0.5	1	Pass	Pass	Pass	Pass
Nitrobenzene	0.5	0.4	Pass	Pass	Pass	Pass
Ketones	0.5	0.02	Pass	Pass	Pass	Pass
Aldehydes	0.5	0.02	Pass	Pass	Pass	Pass
Amines	Fail	Pass	Pass	Pass	Pass	Pass

REQUIREMENTS OF PARTIES WITHIN THE DEVELOPMENT PROCESS

Interested parties involved in the development process may use the data in different ways and there may be varying views and interpretation of the factual data. Local Authority staff may have a view on contamination and human health and the wider environment. The Environment Agency are concerned principally with the protection of Controlled waters. Building insurers, funders and purchasers may be primarily concerned with issues of potential commercial blight. Purchasers are also not always fully informed, and perceptions on issues associated with risk can affect the decision to purchase. Developers and construction organisations will focus on financial aspects of dealing with the contamination in the context of the development and construction programme.

RISKS & LIABILITIES FROM CONTAMINATION

In simple terms, risks associated with contamination may be considered in terms of 1) statutory risks and 2) development related risks. If contamination is severe or forms a potential hazard based on its potential to affect groundwater, surface water or human health, a statutory risk may be present, and as such, if the risk is not reduced, criminal proceedings may be instigated by a government body or local authority.

If the contamination is less severe or not considered to be mobile, it may be considered a commercial liability which could, in theory remain untreated, but which may at a later date affect the value of the property, or, with changing legislation, become a statutory risk. Commercial liabilities could give rise to civil proceedings by third parties if there are grounds for action.