

**GEOTECHNICAL AND GEO-ENVIRONMENTAL
SITE INVESTIGATION**

**FORMER MOORLAND PLASTICS SITE
BARNSELY**

FOR

GLEESON DEVELOPMENTS LTD



34235-001

JANUARY 2012

**GEOTECHNICAL AND GEO-ENVIRONMENTAL
SITE INVESTIGATION**

**FORMER MOORLAND PLASTICS SITE
BARNSELY**

FOR

GLEESON DEVELOPMENTS LTD

Job No. : 34235
Report Status : Final
Document Date : 11 January 2012

Approved :



Catherine Topliss on behalf of **J M Wood**

Also at: Pearson Court, 3 Kings Road, Fleet, GU51 3DL Tel: 01252 360 580 Fax: 01252 360581

Directors: G M Seaman BSc, CEng, FICE, FStructE S D Preston BEng, CEng, FICE, FStructE N J Baines BSc, CEng, MICE, MCIWEM
P Richardson BSc, CEng, MICE, MStructE J M Wood BSc, CEng, MICE, FStructE M J Yates BSc(Eng), ACGI, CEng, MICE, FStructE
K R Pursall BEng, CEng, MStructE S R Ellis BEng, CEng, MStructE, AMICE
Senior Associates: K Newsome BSc, CEng, MICE, MStructE S J Mitchell BSc, MSc, CEng, MEI, MCIBSE, MASHRAE
Associates: A Jones BEng, CEng, MICE, MStructE M Young MA, CEng, MICE, MStructE A Allison BEng
C A Wood BSc, CEng, MStructE, AMICE C A Topliss BSc, CEnv, CSci, CGeol, SILC, AMICE, FGS

CONTENTS

1.0	EXECUTIVE SUMMARY	5
2.0	INTRODUCTION.....	7
2.1	Terms of Reference	7
2.2	Context	7
2.3	Aims and Objectives	7
2.4	Scope of Investigation	7
	2.4.1 Phase 1	7
	2.4.2 Phase 2	8
2.5	Limitations of Investigation	8
3.0	THE SITE.....	10
3.1	Description.....	10
3.2	History	10
	3.2.1 The Site	10
	3.2.2 The Surrounding Area	11
3.3	Geology	11
3.4	Hydrogeology	12
	3.4.1 Groundwater Vulnerability	12
	3.4.2 Groundwater Abstractions	12
3.5	Hydrology	12
3.6	Mining	12
3.7	Ground Gas	13
3.8	Pollution Incidents to Controlled Waters.....	14
3.9	Discharge Consents	14
3.10	Flooding.....	14
4.0	OUTLINE CONCEPTUAL MODEL	15
4.1	Solid or Liquid Contaminants.....	15
4.2	Ground Gas	16
5.0	GROUND INVESTIGATION	17
5.1	Site Works	17
5.2	Laboratory Testing.....	17

6.0	GROUND CONDITIONS.....	18
6.1	Surface Covering.....	18
6.2	Made Ground.....	18
6.3	Natural Ground.....	18
6.4	Coal.....	19
6.5	Obstructions.....	19
6.6	Groundwater.....	19
6.7	Evidence of Contamination.....	20
7.0	GEOTECHNICAL APPRAISAL.....	21
7.1	General.....	21
7.2	Shallow Mining.....	21
7.3	Foundations.....	22
7.4	Ground Floors.....	22
7.5	Superstructure Precautions.....	23
7.6	Excavation Problems.....	23
7.7	Obstructions.....	23
7.8	Surface Water.....	23
8.0	REFINEMENT OF OUTLINE CONCEPTUAL MODEL.....	24
8.1	Source Characterisation.....	24
8.2	Ground Gas.....	24
8.3	Unexpected Contamination.....	24
8.4	Chemical Testing.....	24
8.5	Assessment Criteria.....	25
8.6	Chemical Test Results.....	25
	8.6.1 Topsoil.....	25
	8.6.2 Made Ground.....	25
	8.6.3 Natural Ground.....	26
	8.6.4 TPH, PCBs and Asbestos.....	26
	8.6.5 Sulphates.....	26
8.7	Significant Pollutant Linkages.....	26

9.0	RISK ASSESSMENT	28
9.1	Human Health.....	28
	9.1.1 Topsoil.....	28
	9.1.2 Made Ground	28
9.2	Controlled Waters	29
9.3	Construction Materials.....	29
	9.3.1 Cementitious Products	29
	9.3.2 Water Supply Pipes.....	29
9.4	Ground Gas.....	29
9.5	Unexpected Contamination Strategy.....	29
9.6	Disposal of Material	30
10.0	CONTAMINATION - RECOMMENDATIONS AND APPROVALS.....	31

APPENDICES

- Appendix 1** Exploratory Hole Location Plan - drawing 34235/001, Revision A
Site Photographs
- Appendix 2** Envirocheck Report
Coal Authority Report
- Appendix 3** Trial Pit Logs – ITPN, ITPS and TP1 to TP6
Trial Pit Photographs
Rotary Borehole Logs
- Appendix 4** Geotechnical Test Results - PSL11/2960
- Appendix 5** Chemical Test Results - Chemtest 150312
Table of Assessment Values

1.0 EXECUTIVE SUMMARY

1. This report presents the findings of a geotechnical and geo-environmental site investigation carried out by Eastwood & Partners for Gleeson Developments.
2. The site is that of the former Moorland Plastics factory, car park, hard-standings and grassed areas, located at the north-western side of Moorland Avenue in Barnsley. It is around 0.7 hectares in area.
3. Development first occurred in the 1940s in the form of rectangular shelters. The current building was developed in 1966 after the original was demolished. Residential development occurred in the surrounding area at around the same time.
4. The geological map shows the site to be underlain by undivided mudstone and siltstones of the Middle Coal Measures. This is classified as a Secondary A aquifer.
5. Made ground was encountered in all of the trial pits and three of the boreholes. This was to between 0.1 m and 2.65 m below ground level (bgl). The depth of made ground is likely to be less than 1 m deep over around 60%. The made ground was mostly reworked natural ground with some ashy sand and building materials.
6. The natural ground was found to be clay or clayey sand over mudstone and, in one hole, sandstone. The bedrock was recorded from 1.35 m (sandstone) and from 2.1 m to in excess of 3.25 m bgl elsewhere.
7. The Gawber coal seam was encountered from between 2.45 m and 6.1 m bgl. This was recorded as between 0.2 m and 0.6 m thick and was shaley and of poor quality. This is considered to be generally of too poor quality and too thin and variable in thickness to have been worked. A small, localised historical excavation was found in a trial pit in the north-west corner of the site and a second was suggested in a borehole in the south-west corner of the site where this seam is shallowest. These could suggest some surface removal of this seam with excavations indicated as up to 2.5 m to 2.65 m deep.
8. A second seam of coal was encountered between 10.9 and 14.6 m to the top and was 0.6 m thick. This was intact and if worked should not affect the development. The Swallow Wood coal is at least 8 m below this and, at around 0.9 m thick, if worked should not affect the development.
9. No historical or active landfills are identified within 250 m of the site. However, the geological map indicates an area of made ground present on site, and an area of opencast around

100 m to the south east. The made ground was generally less than 2 m deep on site and significant biodegradable material was not recorded. There are potentially worked seams below the site and in the surrounding area.

10. The most appropriate foundation solution will be trench fill or strip footings founded in undisturbed natural ground at a minimum depth of 0.9 m. These will need to be deepened in some areas due to made ground or soft clay recorded in the upper part of the natural ground. Where foundations are likely to be influenced by past, present or future tree growth, the footings will also need to be deepened and constructed in accordance with NHBC Standards Chapter 4.2. There is only one tree within the site (a cherry) however there are trees/hedges around the boundaries and on neighbouring land. An allowable bearing capacity of at least 125 kN/m² should be achieved in the natural ground.
11. Amber 1 gas protective measures are proposed. Therefore, precast concrete ground floors with a minimum ventilated void of 150 mm, increasing to 250 mm if heave precautions are required, and a gas membrane system should be installed.
12. It is recommended that a minimum of 300 mm of clean capping, including a minimum 150 mm of topsoil, is placed in garden and landscaped areas where the made ground is present to provide a suitable growing medium and mitigate any potential risks to human health from the marginally elevated levels of benzo(a)pyrene, zinc and arsenic recorded.
13. A classification of DS-2 AC-2 is proposed for concrete products in the ground.
14. Further trial pits are proposed once the buildings have been demolished and the proposed layout is known. This is to enable a better assessment of the likely made ground depths.
15. Yorkshire Water should be consulted over the type of water supply pipes that are appropriate.
16. The conclusions made in this report in relation to contamination are subject to agreement by the approving bodies, the Local Authority and your warranty provider.

2.0 INTRODUCTION

2.1 Terms of Reference

This report presents the findings of a geotechnical and geo-environmental desk study carried out by Eastwood & Partners (Consulting Engineers) Limited for, and on the instructions of, Gleeson Developments Ltd.

2.2 Context

No other investigations are known to exist for the site.

2.3 Aims and Objectives

The aims and objectives of this investigation were as follows.

- Assimilate Phase 1 data to derive an outline conceptual model identifying potential contaminants, pathways and receptors, as well as possible linkages between these;
- Detail the ground conditions and their geotechnical properties enabling outline foundation proposals to be made;
- Carry out tiered risk assessment to establish the likely risks to future receptors, involving the use of generic assessment criteria and where unacceptable risks are identified, site specific assessment criteria within a detailed quantitative risk assessment;
- Identify feasible remediation options if unacceptable risks are highlighted; and
- Develop an appropriate remediation strategy where remediation is required.

2.4 Scope of Investigation

This document is split into two sections. These constitute the findings of the Phase 1 and Phase 2 investigations, consecutively.

2.4.1 Phase 1

The Phase 1 investigation involved a review of information extracted from published documentation as well as that obtained from a site reconnaissance. Information regarding the current and former land uses both on and surrounding the site, as well as the environmental sensitivity of the site location as determined by factors including geology, hydrogeology and hydrology have been examined.

Information analysed in this section of the report has been obtained from a variety of sources and included the following:

- An Envirocheck report,
- A Coal Authority report,
- Geological maps and associated geological memoirs, and
- A plan of the opencast site obtained from the Coal Authority.

2.4.2 Phase 2

This part of the investigation consisted of intrusive works. The findings were used to test the conceptual model and produce a final risk assessment.

The intrusive works comprised trial pits, which were excavated to enable:

- Examination of the upper few metres of ground;
- Assessment of any contamination identified using visual and olfactory methods; and
- Collection of samples for geotechnical and chemical testing.

Rotary boreholes were also drilled, which were to enable:

- Assessment of the location and thickness of coal seams; and
- Assessment of any workings within the coal seams.

2.5 Limitations of Investigation

This report is based on the assumption that the site will be developed with two to four storey houses or apartments of conventional construction and that existing ground levels will not alter significantly. If this is not the case, then the advice given in this report may not be appropriate.

Where assessments of site areas affected in particular ways are given, these are approximate. All information, comments and opinions given in this report are based on the ground conditions encountered during the site work, on the results of laboratory testing carried out as part of the investigation and information gained from a historical, geological and environmental desk study. However, there may be conditions at the site that have not been taken into account, such as unpredictable soil strata and water conditions between or below investigation points.

This report considers the ground and groundwater and does not cover any buildings or their fabric. Generally, testing has only been carried out for contaminants identified as potentially present.

This report was prepared for the sole and exclusive use of Gleeson Developments Ltd in response to particular instructions. Any other parties using the information contained in this report, unless given prior written approval to do so, do so at their own risk, and any duty of care to those parties is excluded.

3.0 THE SITE

3.1 Description

The site is that of the former Moorland Plastics factory, with associated car parking and grassed areas. It is located on the south west side of Moorland Avenue in Barnsley. It is around 0.74 hectares and is centred on grid reference SE 3259, 0590 (432590, 405850).

Residential houses off Moorland Avenue border the site to the north-west, and Moorland Avenue forms the site's north eastern boundary. The south eastern boundary runs from the south western edge of the car park and separates the site from the neighbouring council building. Beyond the south western boundary are open fields. Mature hedges are present along the north western and south western boundaries, while a metal fence marks part of the south eastern boundary.

The Moorland Plastics factory covers the central part of the site. Grassed areas comprise the majority of the rest of the site, while a tarmac car park is present in the south eastern corner. Two smaller concrete hard-standings are present along the north eastern boundary. One large tree (a cherry) is present adjacent to the south eastern tarmac car park. Tipped materials and overgrown vegetation are present behind the chain link fence to the west of the northernmost part of the factory.

The 'Exploratory Hole Location Plan', drawing 34235/001 revision A, in Appendix 1, shows the features described. Some photographs are also included in this Appendix.

3.2 History

Historical Ordnance Survey maps have been reviewed in the Envirocheck Report to assess the previous use of the site and surrounding area.

3.2.1 The Site

The earliest historical map, dated 1855, shows the site to be an open field. The site remains undeveloped until the 1940s, when five rectangular buildings were built in the centre of the site. It is suspected that these were accommodation to do with the Second World War. These buildings are labelled as a hostel by the 1950s. The 1961 map shows these buildings in more detail. Further rectangular buildings have been built by this time. Buildings now cover two thirds of the site.

By 1970, these buildings were demolished and replaced with the current building, which we understand was a factory producing plastic products through injection moulding and vacuum forming. These processes used plastic pellets and sheets, and did not involve liquid chemicals

which could have entered the ground underneath the concrete slab. This factory is labelled as a 'handicapped persons centre' on historical maps. A substation is also shown to be present.

Between 1983 and 1991 a northern extension to the building was constructed. The site then remains much the same to the present day, although the factory equipment has now been stripped out. Photographs of the inside of the factory can be seen in Appendix 1.

3.2.2 The Surrounding Area

The First Edition Ordnance Survey map, from 1855, showed the surrounding area to be largely agricultural fields and a few small sandstone quarries in the surrounding area. The closest sandstone quarries were 375 m north-west and 500 m north-east and south-east of the site. A railway line was located around 250 m to the north. The sandstone quarries are not shown on later maps.

The area remains predominantly open land until the 1930s, when residential development spread westwards from Barnsley along Dodworth Road, located to the north of the site. A clay pit associated with a brick works to the north-east had spread south to lie within 350 m of the site.

Rectangular buildings and tanks associated with the hostel were constructed to the east of the site by the 1940s, eventually replaced by housing by the 1970s. The hostel building to the south of the site was replaced with one rectangular building, associated with the existing site building. It is suspected that if the buildings were originally for Second World War use, the tanks will have probably held water rather than a potential contaminant, such as petrol.

Currently, housing lies to the north and east, with a works unit to the south and open land to the west.

3.3 Geology

The British Geological Survey map Sheet SE 30 NW (1:10000 scale) shows the site to overlie undivided mudstone and siltstones of the Middle Coal Measures. The strata dip to the north-east at around 5°. No faults or drift deposits are shown on the site. An adit is shown 30 m to the west of the site in the adjacent field, in a direction which suggests it continues beneath the site.

The geological map shows the south western half of the site to be labelled as 'made ground' indicating a potentially raised or in-filled area of the site. This is probably associated with the area of opencast coal mining labelled 100 m south of the southern boundary.

3.4 Hydrogeology

3.4.1 Groundwater Vulnerability

The Envirocheck Report states that the site overlies a Secondary A aquifer comprising permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

3.4.2 Groundwater Abstractions

The Envirocheck Report does not record any water abstractions within 250 m of the site.

3.5 Hydrology

The Envirocheck Report states the nearest surface water feature to be a stream, around 155 m to the south. The site does not lie within a Groundwater Source Protection Zone.

3.6 Mining

The SE 30 NW geological map, which is the more recent of the geological maps available, shows the site to overlie the inferred outcrop of the Gawber coal seam, trending north-west – south-east through the centre of the site, and dipping to the north east at around 5°. Annotations on the geological map show the seam to have a recorded thickness of around 0.7 m. An intrusive investigation was required via trial pits to determine if the seam outcropped on site. There was the potential that the Gawber seam was at too shallow depth to have been worked underground, but could have been worked via bell pits.

Stratigraphically, a thin coal seam underlies the Gawber coal seam, which in turn overlies the Swallow Wood coal seam. The thin coal seam is expected approximately 10 to 11 m below the Gawber coal seam, and the Swallow Wood coal seam is expected approximately 10 m below the thin coal seam.

The Swallow Wood coal seam outcrops around 100 m west of the site and has been extensively worked via opencast and underground methods in the area. It has a recorded thickness of between 0.3 and 1.2 m. An adit is shown on the geological maps 30 m to the west of the site in the adjacent field, and a second 50 m to the south, as well as an area of opencast mining 100 m to the south of the site. Other mine entries are shown within the vicinity of the site.

Using the information from the geological map, the Swallow Wood coal seam is expected to lie around 15 m beneath the site and is potentially worked.

The Top Haigh Moor is expected to lie around 25 m beneath the Swallow Wood coal seam. The Top Haigh Moor, expected to be up to 1.2 m thick, is also potentially worked. This seam is expected at around 30 m beneath the site. The Low Haigh Moor (around 0.5 m to 1.0 m thick) is expected to lie within 8 m of the Top Haigh Moor. Any potential workings in these would not be expected to affect the site.

A drilling investigation was undertaken and the results are discussed in section 6.4.

A Coal Authority report has been obtained and is presented in Appendix 2. This states the site is within the likely zone of influence from workings in six seams from shallow to 310 m depth, last worked in 1970. However, reserves of coal exist in the locality which could be worked at some point in the future subject to feasibility, licenses and planning consents.

The report states that there are no known mine entries on or within 20 m of the site. However, their records are incomplete, and the geological map infers an adit to lie 30 m to the west of the site.

The Coal Authority report also states that the site is not in an area for which a notice to withdraw support has been published.

The Coal Authority have provided a plan of Horse Wood opencast, Coal Authority catalogue number NE277 Sheet info 2 of 5. Additional information was also requested regarding the nearby adit, but the Coal Authority does not hold any information regarding this.

The seams extracted were named as Thin seam, Swallow Wood seam, and the Lidgett seam. The thin seam is the shallowest seam extracted and is recorded as 0.38 m thick. There is approximately 8.2 m of grey mudstone between the thin seam and the Swallow Wood coal, which is recorded as just over 0.9 m thick. The Lidgett seam is recorded as being 0.56 m thick.

'Old working voids' are recorded to have been found in the Swallow Wood towards the north eastern portion of the opencast. This is closest to the Moorland Plastics site.

3.7 Ground Gas

Information obtained from the Envirocheck Report indicates that there are no historical or active landfills within 250 m of the site. However, the geological map (surveyed prior to 1980) indicates an area of made ground present on site, and a backfilled area of opencast coal workings around 100 m to the south-east.

These coal workings are not shown on the historical Ordnance Survey maps. The plan of this opencast site (Horse Wood) provided by the Coal Authority states that extraction of coal began on

17 January 1949 and ended on 19 September 1949. During this time, 64,205 tonnes of coal was removed. The site was noted as handed back to agriculture in August 1950 and the final derequisition of the site was on 19 September 1957. Usually, opencast excavations were backfilled with reworked natural material and there is no reason to suspect that this wouldn't have been the case here. In any case, the significant proportion of biodegradable material within waste placed in modern landfills would not have been present at this time. Furthermore, having been backfilled over 55 years ago there would not be expected to be continued significant degradation of any biodegradable material which may have been present in the backfill. The ground between the site and the area of opencast is expected to comprise mudstones and siltstones, with occasional sandstone bands. This ground would generally hinder the migration of ground gas and in addition to this the strata dip down beneath the site as opposed to up towards the site. There is consequently no reason to suspect that significant risks from ground gas would be posed from this potentially backfilled former opencast site.

An intrusive investigation was required to determine if a significant thickness of made ground is present on site.

There is also potential for mine gas to be generated if any of the coal seams have been worked beneath the site. An intrusive investigation was also required to determine if the coal has been worked beneath the site.

Information provided within the Envirocheck Report states that no radon precautions will be required for residential development on this site.

3.8 Pollution Incidents to Controlled Waters

The Envirocheck Report does not record any pollution incidents to controlled waters within 250 m of the site.

3.9 Discharge Consents

The Envirocheck Report records one discharge consent within 250 m of the site. This belongs to Yorkshire Water and is located 245 m away to the west, licensed for sewage discharges.

3.10 Flooding

The site is not shown to lie within a flood plain.

4.0 OUTLINE CONCEPTUAL MODEL

The following table details the possible sources and associated contaminants of concern, pathways and receptors, highlighted by the Phase 1 investigation as potentially present.

4.1 Solid or Liquid Contaminants

Source	Potential Contaminants	Potential Pathways	Potential Receptors
Made ground	Commonly encountered contaminants including: metals/metalloids, sulphates, and polycyclic aromatic hydrocarbons (PAH). Asbestos	Ingestion, inhalation, direct contact Migration through ground	Site workers, future residents Plants Concrete products Plastic water supply pipes Secondary A aquifer
Naturally elevated concentrations of contaminants	Naturally occurring contaminants such as arsenic and pyrite (resulting in elevated levels of sulphate).	Ingestion, inhalation, direct contact Migration through ground	Site workers, future residents Plants Concrete products Plastic water supply pipes Secondary A aquifer
Historical tanks with unknown contents, located east of site on 1960 historical map	Potential risk of fuel hydrocarbons if these were petrol tanks.	Ingestion, inhalation, direct contact Migration through ground	Site workers, future residents Plants Secondary A aquifer
Electricity substation	Polychlorinated biphenyls (PCBs)	Ingestion, inhalation, direct contact	Site workers, future residents

4.2 Ground Gas

Source	Potential Contaminants	Pathway	Receptor	Risk Assessment
Made ground	Carbon dioxide and methane	Migration through ground	Future residents and buildings	Table 8.5 in CIRIA C665 identifies "typical made ground" as representing a low risk and as a typical source of generation leading to a gassing regime falling into Characteristic Situation 1 or 2, which would be considered of a similar order to a Green or Amber 1 gassing regime.
Mine Workings	Carbon dioxide and methane	Migration through ground	Future residents and buildings	A detailed conceptual model is required taking into account the information from the drilling investigation.

5.0 GROUND INVESTIGATION

5.1 Site Works

We visited site on 25 October 2011 and excavated six trial pits outside the building, referenced TP1 to TP6. These reached a maximum depth of 4.1 m below ground level (bgl).

We also excavated two hand dug trial pits inside the building, referenced ITPN and ITPS. These reached a maximum depth of 0.55 m bgl, due to compacted ground.

Four rotary boreholes were drilled between 31 October and 1 November 2011. These reached a maximum depth of 18 m bgl.

Copies of the trial pit and borehole logs are presented in Appendix 3, and their locations are plotted on the 'Exploratory Hole Location Plan', Drawing number 34235/001 Revision A, in Appendix 1. Some photographs are also included in Appendix 3.

5.2 Laboratory Testing

Disturbed samples were obtained from each of the trial pits and were generally taken of each strata, as well as where any visual or olfactory evidence of potential contamination was recorded. Sampling comprised 500 g plastic tubs. Chemical testing was undertaken by Chemtest using MCERTs accredited methodologies, where available. Geotechnical testing was completed by Professional Soil Laboratory.

The geotechnical test results are presented in Appendix 4 and discussed in Section 7.0.

The chemical test results are presented in Appendix 5 and discussed in Section 8.0.

6.0 GROUND CONDITIONS

6.1 Surface Covering

The majority of the site is covered by the single storey former Moorland Plastics factory. This is located in the centre of the site. Grassed areas cover the rest of the north and east areas of the site, and a tarmac car park and two concrete hard-standings are present as well as grass on the western part of the site. The topsoil was generally 200 to 400 mm thick where it was present, whereas the trial pit in the car park (TP3) encountered a tarmac and hardcore covering 200 mm thick. The internal trial pits ITPN and ITPS, in the northern and southern parts of the building respectively, encountered a concrete slab between 250 and 350 mm thick, with 100 to 50 mm of hardcore beneath.

6.2 Made Ground

Made ground was found in all trial pits and boreholes, with the exception of BH4. This was to between 0.1 m and 2.65 m below ground level (bgl). The depth of made ground is likely to be less than 1 m deep over around 60% of the site. The made ground was mostly reworked natural ground with some ashy sand and building materials.

The maximum depth of 2.65 m encountered in TP4 (north-west corner of the site) comprised reworked material. This and the next highest depth of 2.5 m encountered in BH1 (south-west corner of the site) are suspected to be representative of historical localised excavations.

TP2, TP3 and TP6 also all encountered reworked natural ground to between 0.35 and 1.8 m bgl. In TP2, this consisted of sandstone cobbles in clay and sandstone flags and cobbles in clay in TP3. In TP6, reworked clay had been used as fill above an historical concrete slab.

White limestone hardcore over a dark grey sand containing ceramic fragments was encountered in TP1, while clinker sand was found next to a brick wall and footing present in TP5.

An area of made ground is also labelled on the geological map, extending across the site in the vicinity of trial pits TP5 and TP6 and underneath the building. However, deeper excavations underneath the building are not yet possible.

6.3 Natural Ground

The natural ground was found to be clay or clayey sand over mudstone and, in one hole, sandstone. The bedrock was recorded from 1.35 m (sandstone) and from 2.1 m to in excess of 3.25 m bgl elsewhere.

Coal was also encountered in all boreholes and is discussed in section 6.4.

In TP4, there appeared to have been a previous excavation down to the level of the *weathered coal*, with the material above consisting of disturbed clay with shale and coal fragments. Another is suggested in BH1 by the presence of no returns and soft strata at the same level at which the Gawber coal was found in nearby TP6. These could have possibly been small localised excavations, perhaps in response to the coal strike of 1926, when the public response to this shortage was to excavate coal seams close to the surface. They could also have occurred in the 1940s by the occupants of the original buildings on site.

6.4 Coal

We expected to find the Gawber coal seam trending north-west – south-east through the centre of the site, and dipping to the north east at around 5°. This would place it at an approximate maximum depth of 2.6 m bgl in the east of the site, with the Swallow Wood coal seam at an approximate minimum depth of 18 m bgl. The thin coal seam was expected between the Gawber and the Swallow Wood at a minimum of around 8 m depth.

The Gawber coal seam was encountered from between 2.45 m and 6.1 m bgl. This was recorded as between 0.2 m and 0.6 m thick and as shaley and of poor quality. A second seam of coal, considered to be the thin coal, was encountered between 10.9 and 14.6 m to the top and was 0.6 m thick. These were intact where encountered below natural ground.

6.5 Obstructions

Intact brick walls and concrete footings were encountered between 0.3 and 1.3 m in TP5, and a concrete slab and large ceramic bowl or end of pipe was encountered in TP6 between 0.9 and 1.75 m bgl. Strong rock was found in TP2 at a relatively shallow depth of 1.85 m bgl. No other obstructions were encountered during the site investigation.

6.6 Groundwater

No running groundwater was discovered during the investigation, but wet material was occasionally encountered in trial pits. Heavy rain had occurred prior to digging.

Trial Pit	Water encountered
TP1	Wet from 2.1 m bgl.
TP4	Wet from 0.85 to 2.65 m bgl.

6.7 Evidence of Contamination

Made ground which was potentially ashy was encountered, and clinker sand. No odours indicative of organic contamination were noted.

The areas in which potential contamination was expected were TP2 and TP3. Trial pit TP2 was situated close to the position of the historical tank, and could potentially be impacted with petroleum hydrocarbons. No olfactory or visual evidence of any contamination of this nature was found, but the sample was submitted for testing to confirm this.

Trial pit TP3 was situated 10 m away from the substation, which is still live. The ground underneath and around the substation has the potential to be impacted with polychlorinated biphenyls (PCBs). No olfactory or visual evidence of any contamination of this nature was found, but the sample was submitted for testing to confirm this. However, further testing to test for the presence of PCBs will be required under the footprint of the substation when the substation is removed.

7.0 GEOTECHNICAL APPRAISAL

7.1 General

The site is relatively flat, with a covering of topsoil or hard-standing, overlying various types of made ground, which in turn overlies firm to stiff clay, and occasionally, sand. The bedrock was recorded from 1.35 m (sandstone) and from 2.1 m to in excess of 3.25 m bgl elsewhere.

Made ground was encountered in all eight of the trial pits, and three of the boreholes. This was to a depth up to 2.65 m bgl. The made ground consisted mainly of reworked natural material, along with some manmade fills, such as clinker sand. We consider that this could be either from the building and demolition which has happened on site since the 1940s, or from the opencast mine.

The made ground is not suitable as a bearing material for house foundations. The natural ground is expected to have a safe bearing capacity of generally at least 125 kN/m².

Two samples of natural ground, taken from TP1 at 0.8 m and TP6 at 1.2 m, were tested for plasticity. The sample of clay from TP1 at 0.8 m was confirmed to have a modified plasticity index of 15.36%, and the clay from TP6 at 1.2 m was confirmed to have a modified plasticity index of 26%. Therefore the sample from TP1 is of low shrinkability while the sample from TP6 is of medium shrinkability. It is considered appropriate to assume that the natural ground will generally be of a medium shrinkability.

7.2 Shallow Mining

The Gawber coal seam was encountered from between 2.45 m and 6.1 m bgl. This was recorded as between 0.2 m and 0.6 m thick and as shaley and of poor quality. The geological memoir for Barnsley does not mention working in the seams at this horizon. Therefore we consider that this seam is generally of too poor quality and variable in thickness to have been worked. A small, localised historical excavation was found in a trial pit in the north-west corner of the site and a second was suggested in a borehole in the south-west corner of the site where this seam is shallowest. These could suggest some surface removal of this seam with excavations indicated as up to 2.5 m to 2.65 m deep.

A second seam of coal was encountered between 10.9 and 14.6 m to the top and was 0.6 m thick. This was intact and if worked it should not affect the development anyway. The Swallow Wood coal is at least 8 m below the thin coal and was recorded at the opencast site approximately 100 m to the south of the site as 0.9 m thick. Therefore, if it is worked, it should not affect the development.

The adit located 30 m west of the site was probably taking advantage of the Swallow Wood coal seam. Any potential workings should therefore be far enough below site as to not pose a problem.

7.3 Foundations

Conventional strip or trench-fill footings founded on undisturbed natural ground, at a minimum depth of 0.9 m, are proposed. The most appropriate foundation solution will be trench fill or strip footings founded in undisturbed natural ground at a minimum depth of 0.9 m. These will need to be deepened in some areas due to made ground or soft clay recorded in the upper part of the natural ground. Where the foundations are likely to be influenced by past, present or future tree growth, the footings will also need to be deepened and constructed in accordance with NHBC Standards Chapter 4.2. There is only one tree within the site (a cherry) however there are trees/hedges around the boundaries and on neighbouring land.

Although we do not consider it necessary, the building inspector may request that you extend the footings down below any coal encountered at the proposed founding depth.

Further trial pits are proposed once the buildings have been demolished and the proposed layout is known or alternatively to guide the proposed layout. This is to enable a better assessment of the likely made ground depths.

Precautions against soil heave will be required for all footings with a calculated founding depth greater than 1500 mm due to the influence of past or existing trees. For trenchfill footings, allowance should be made for placing a 75 mm thickness of low density polystyrene from the top of the footing down to a depth of 500 mm above formation level against the inside face of the perimeter footings. The trenches will need to be dug wider to accommodate this. A smooth vertical face is required for the sides of the footings.

7.4 Ground Floors

Amber 1 gas protective measures are proposed (see 9.4 for further detail). Therefore, precast concrete floors with a minimum 150 mm high ventilated void, as well as a gas membrane system suitably resistant to the passage of carbon dioxide and methane, should be installed. The membrane system will need to extend across the cavities and services penetrations should be kept to a minimum and must also be sealed to ensure they are gas tight.

If heave precautions are required the minimum void height will need to be increased to 250 mm in these areas.

7.5 Superstructure Precautions

Any potential coal workings beneath the site are expected to be at a depth which will not affect development at the surface and therefore superstructure precautions are not considered to be required due to the ground conditions.

7.6 Excavation Problems

Sandstone was encountered at a shallow depth of 1.35 m bgl in TP2. It is expected that this is a sandstone band which may be present particularly around the Moorland Avenue part of the site, based on information from the geological map. There is also made ground covering the site. The stability of any trenches may be poor in the made ground. Support will be required in accordance with current Health & Safety Regulations wherever access is required to trenches deeper than 1.2 m or less where there is risk of collapse.

7.7 Obstructions

Relic foundations and infrastructure associated with the demolished and current buildings are likely to be present across the majority of the site, but especially in the west, such as the brick walls and footings encountered in trial pits TP5 and TP6.

7.8 Surface Water

The natural ground was found to be clay or clayey sand over mudstone and, in one hole, sandstone.

The mudstone and overlying fully weathered mudstone, represented by clay, are not considered to have sufficient permeability for soakways to be a viable option for surface water drainage. Soakways could be suitable where the sandstone bedrock extends to at least 3 m below ground level, i.e. at least 1 m below a 2 m deep soakaway. Sandstone bedrock was only encountered in one of the six trial pits, TP2 near to the north-eastern edge of the site. The sand overlying this was recorded as having a clay component and it is not guaranteed that the sandstone or overlying sand would have sufficient permeability for soakways to be viable. However, in TP1 and TP3 also near to the north-eastern, Moorland Avenue, side of the site, mudstone was recorded at 2.1 and 2.5 m, respectively, below sandy material probably representative of fully weathered sandstone. Therefore, there will only be a very thin slither in the south-eastern corner of the site where soakways could potentially work. Soakways are therefore not considered a viable option for surface water drainage at this site.

8.0 REFINEMENT OF OUTLINE CONCEPTUAL MODEL

An outline conceptual model, detailing the possible sources and associated contaminants of concern, potential pathways and receptors identified in the Phase 1 report was detailed in section 4.0.

This section of the report documents the works undertaken to obtain information to test and refine this model enabling a risk assessment to be produced and, where significant risks are expected, remediation recommendations.

8.1 Source Characterisation

The clinker sand and natural sand from TP2 included testing for total petroleum hydrocarbons (TPH) and polycyclic aromatic hydrocarbons (PAHs). This was because it was sited close to the position of the historical tank, which although not expected to, could have potentially held petrol.

Natural ground from TP3 was additionally tested for polychlorinated biphenyls (PCBs) as it is near to the electricity substation.

The testing of other samples for the general suite of chemical contaminants which could potentially be present is discussed in Section 8.5.

8.2 Ground Gas

There is up to 2.65 m of made ground present on the site but very little to no biodegradable material was found. Shallow mine workings were not encountered within 18 m of the ground's surface. Ground gas is considered from these two potential sources is included the Risk Assessment in 9.4.

8.3 Unexpected Contamination

No unexpected contamination was encountered.

8.4 Chemical Testing

In total, twelve samples were sent for chemical testing. Five samples of the made ground and four of the natural ground were tested for the contaminants listed overleaf. Three samples of topsoil were also tested for the same contaminants, excluding the sulphate suite. The topsoil and made ground samples were also subject to an asbestos screen.

Contaminant Type	Actual Contaminants
Metals/Metalloids	Arsenic, cadmium, chromium (hexavalent and total), lead, mercury, selenium, nickel, copper and zinc
pH	pH
Polycyclic aromatic hydrocarbons (PAHs)	Speciated PAH
Sulphates	Water soluble sulphate, total sulphur and acid soluble sulphate

8.5 Assessment Criteria

The proposed development of the site is to be residential with associated gardens. Therefore the assessment criteria relating to a residential end use with plant uptake have been used. Tables detailing the relevant assessment concentrations used are included in Appendix 5.

8.6 Chemical Test Results

Copies of the chemical test results (Chemtest 150312) are presented in Appendix 5.

8.6.1 Topsoil

The following sample of topsoil recorded elevated concentrations of one contaminant:

Dry brown clayey sand with rootlets (TP6 – 0.10 m)

Contaminant	Elevated Concentrations (mg/kg)	Assessment Value (mg/kg)
Zinc	330	300

8.6.2 Made Ground

The following samples recorded elevated concentrations of contaminants:

Dark grey ashly sand with ceramic fragments (TP1 – 0.40 m)

Contaminant	Elevated Concentration (mg/kg)	Assessment Value (mg/kg)
Benzo(a)Pyrene	1.5	1.0

Clinker sand (TP5 – 0.50 m)

Contaminant	Elevated Concentration (mg/kg)	Assessment Value (mg/kg)
Arsenic	55	32

Dry gravelly sandy clay (TP6 – 0.70 m)

Contaminant	Elevated Concentrations (mg/kg)	Assessment Value (mg/kg)
Zinc	350	300
Benzo(a)Pyrene	1.4	1.0

The rest of the samples of made ground did not record any elevated concentrations of contaminants.

8.6.3 Natural Ground

None of the samples of natural ground recorded any elevated levels of contaminants.

8.6.4 TPH, PCBs and Asbestos

The sample from TP2 at 1.15 m bgl which was tested for total TPHs found a concentration of <10 mg/kg, therefore we can consider that any potential contamination originating from the historical tank is not present or does not affect the site. The sample 10 m away from the substation from TP3 at 1.0 m bgl found concentrations of PCBs which were <0.1 mg/kg. We recommend that should the substation be demolished (which we understand is not currently the intention) the ground beneath the ground slab should be tested for PCBs to confirm that the ground is not impacted.

8.6.5 Sulphates

In accordance with BRE Special Digest 1, the made ground comes under the classification of 'Brownfield'. The samples tested recorded water soluble sulphate results of between 10 and 50 mg/l. The sulphur results indicate total potential sulphate concentrations of 0.06 to 0.84%. The pH is above 7.4, and higher in the made ground, where it varied from 7.8 to 8.2.

8.7 Significant Pollutant Linkages

The significant pollutant linkages consequently identified are documented in the table overleaf:

Source	Pathway	Receptor
Zinc in topsoil	Direct contact	Plants
Arsenic, zinc and benzo(a)pyrene in made ground	Ingestion, inhalation, direct contact	Future residents
Sulphates in the made ground	Direct contact	Below ground cementitious products
Ground gas	Migration through ground	Future end users of the site and buildings Construction workers

9.0 RISK ASSESSMENT

9.1 Human Health

9.1.1 Topsoil

Three samples of topsoil were tested. In one sample of topsoil, an elevated level of zinc was recorded. Zinc is phytotoxic and not considered a risk to humans. The *Soil Code* states that for soils recording a pH of 6 or higher, the maximum recommended concentration is 1000 mg/kg. As the concentration in the topsoil, where the grass will be rooted, is well below this and considering that soil mixing will occur it is not considered that the slightly elevated zinc concentration will pose significant risks to plant growth.

9.1.2 Made Ground

Five samples of made ground were tested. Three of these samples (TP1 at 0.4 m, TP5 at 0.5 m and TP6 at 0.7 m) recorded elevated concentrations of contaminants.

The dark ashy grey sand with ceramic fragments from TP1 at 0.4 m bgl recorded benzo(a)pyrene at 1.5 mg/kg, which is 1.5 times higher than its generic assessment value. Benzo(a)pyrene was also encountered at 1.4 mg/kg in the dry gravelly sandy clay from TP6 at 0.7 m bgl, which is 1.4 times higher than its assessment value. This sample from TP6 also recorded zinc at 350 mg/kg.

The clinker sand from TP5 at 0.5 m bgl recorded arsenic at 55 mg/kg, which is 1.7 times its assessment value.

These values, although elevated, are not considered particularly high. It is also not unusual to find naturally elevated values of benzo(a)pyrene and arsenic in the area. However, with the exception of zinc, all these contaminants could pose a risk to human health.

It is recommended that a minimum of 300 mm of clean capping is placed in garden and landscaped areas where made ground is present to mitigate any potential risks to human health. This is because if it is assumed that there will be complete intermixing of the upper 600 mm over time the elevated concentrations would be expected to be sufficiently diluted such that significant risks would not be posed to human health or plants. For example, taking the highest elevated concentration of benzo(a)pyrene of 1.5 mg/kg for the made ground forming the lower 300 mm and the highest concentration of benzo(a)pyrene of 0.3 mg/kg recorded in the topsoil for the upper 300 mm the average concentration would be $(0.3 \times 0.5) + (1.5 \times 0.5) = 0.9$ mg/kg. This is based on the worst case results and therefore overall the concentrations of contaminants would be expected to be below their respective generic assessment criteria. This also means that a layer of aesthetically

suitable material will be placed over the made ground described as ashy sand with ceramic fragments and clinker sand.

9.2 Controlled Waters

The contaminants recorded in the soil are of low concentrations and are generally of low solubility. Significant risks to controlled waters are therefore not expected.

9.3 Construction Materials

9.3.1 Cementitious Products

The highest water soluble sulphate in the ground was found to be 0.05 mg/l. This would not require protective measures. However, as the made ground is variable and this is a Brownfield site, we recommend using a Design Sulphate Class of DS-2 and Aggressive Chemical Environment for Concrete (ACEC) class of AC-2 for concrete in contact with the made ground. This would result in the use of FND2 concrete. There is no reason to suspect that there would be significant oxidisation of the sulphur recorded potentially requiring increasing of this classification.

9.3.2 Water Supply Pipes

Yorkshire Water should be consulted over the type of water supply pipes that are appropriate.

9.4 Ground Gas

No historical or active landfills are identified within 250 m of the site. However, the geological map indicates an area of made ground present on site, and an area of opencast around 100 m to the south-east.

The made ground was generally less than 2 m deep and significant biodegradable material was not recorded. It is therefore not considered that there will be potential risks posed by ground gas from the made ground.

There are also potentially worked seams below the site and in the surrounding area. The worked seams will be at least 18 m below the site and any gas generated would need to migrate up through the overlying strata of mainly mudstone and siltstone. Gas monitoring is not proposed. The reason for this is that any gas generated in the workings is most likely to migrate up to the surface via fissures, which we do not know the location of and therefore cannot be targeted by the installation of monitoring wells. The positioning of a monitoring well where a fissure could potentially channel gas up to the surface would therefore be a matter of chance. The Coal Authority does not accept the installation of monitoring wells in coal seams, and in addition if gas were recorded in any workings

this does not mean that it will reach the surface. It is therefore considered appropriate to install Amber 1 gas protective measures in lieu of gas monitoring at this site as significant risks are not expected from this potential source.

9.5 Unexpected Contamination Strategy

As with any brownfield site such as this there may be isolated hotspots of contamination which have not been identified. A suitable strategy for dealing with this should be included in the implementation plan prepared for the site.

9.6 Disposal of Material

If material needs to be removed, it needs to be taken to a suitably licensed landfill or waste treatment facility. The costs of disposal and landfill tax can be substantial. The disposal of material should therefore be seen as a last resort with options such as treatment and reuse either on-site or off-site considered at the earliest opportunity.

The category of landfill which can accept the waste (inert, non-hazardous or hazardous) would need to be determined and will also have a significant effect on the costs. Additional testing may be required by the landfill operator and the acceptance of material is generally at their discretion.

10.0 CONTAMINATION - RECOMMENDATIONS AND APPROVALS

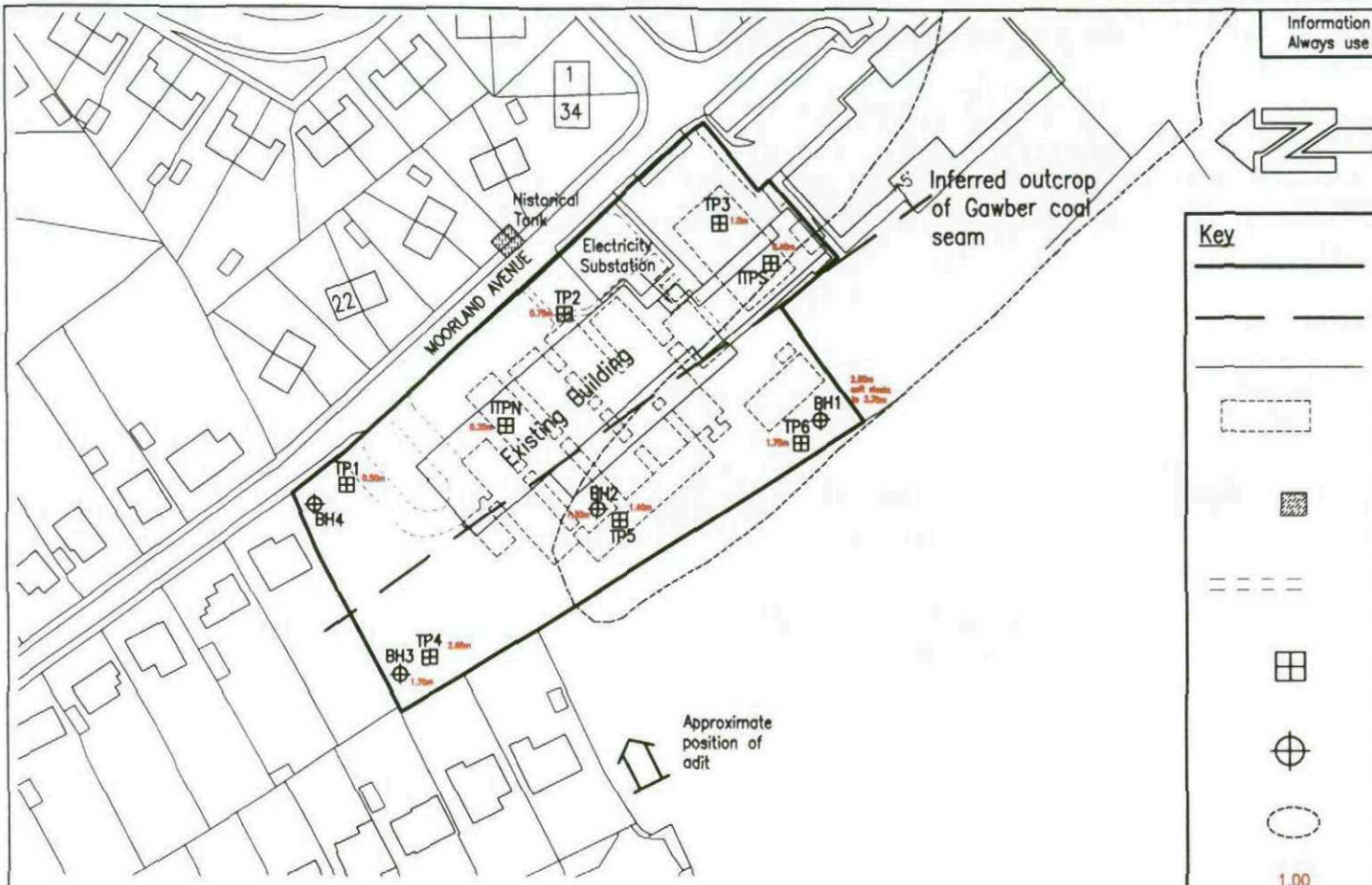
1. Amber 1 gas protective measures are proposed. Therefore, precast concrete ground floors with a minimum ventilated void of 150 mm, increasing to 250 mm if heave precautions are required, and a gas membrane system should be installed.
2. It is recommended that a minimum of 300 mm of clean capping, including a minimum 150 mm of topsoil, is placed in garden and landscaped areas where made ground is present to mitigate any potential risks to human health.
3. Further trial pits are proposed once the buildings have been demolished. This is to enable a better assessment of the likely made ground depths.
4. A classification of DS-2 AC-2 is proposed for concrete products in the ground.
5. Yorkshire Water should be consulted over the type of water supply pipes that are appropriate.
6. The conclusions made in this report in relation to contamination are subject to agreement by the approving bodies, the Local Authority and your warranty provider.

Appendix 1

Exploratory Hole Location Plan - drawing 34235/001 A

Site Photographs

Information within this drawing is not necessarily produced to scale. Always use figured dimensions and co-ordinates - if in doubt, ask.



Key

- Site Boundary
- Inferred outcrop of Gawber coal seam
- Outline of existing buildings
- Footprint of demolished buildings shown on historical maps between 1940-1970
- Footprint of historical tank shown on historical map between 1940-1970
- Footprint of paths/hardstanding shown on historical maps between 1940-1970
- Approximate location of trial pit excavated by Eastwood and Partners on 25/10/2011
- Approximate location of rotary borehole drilled by GSS between 31/10/2011 & 01/11/2011
- Approximate extent of made ground shown on geological map.
- Depth of made ground encountered in metres
- Approximate position of adit

Eastwood & Partners
CONSULTING ENGINEERS
23 Andrew's House
23 Kingfield Road
Sheffield
S11 9AS
Tel 0114 255 4554
Fax 0114 255 4330
mail@eastwoodandpartners.com
www.eastwoodandpartners.com



GLEESON DEVELOPMENTS LTD
FORMER MOORLAND PLASTICS SITE,
MOORLAND AVE, BARNSELY
EXPLORATORY HOLE LOCATION PLAN

A	First Issue.			
REV	DESCRIPTION	SIG	CHK	DATE
SCALE WHEN PLOTTED AT A3 1:1000		DRAWING STATUS INFORMATION		
DRAWN	CHECKED	DATE	DRAWING NUMBER	REV
CB	DES	19-12-11	34235/001	A



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P001
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood&Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNSELY

VIEW OF SITE LOOKING SOUTH EAST



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P002
----------	-----	---------	-----	------	------------	---------------	------------

E & P
Eastwood & Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNSELY

VIEW OF SITE LOOKING NORTH WEST



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P003
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood&Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNSELY

VIEW OF SITE LOOKING NORTH WEST



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P004
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood & Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD
FORMER MOORLAND PLASTICS SITE, BARNSELY
VIEW OF SITE LOOKING SOUTH EAST



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P005
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood&Partners
CONSULTING ENGINEERS

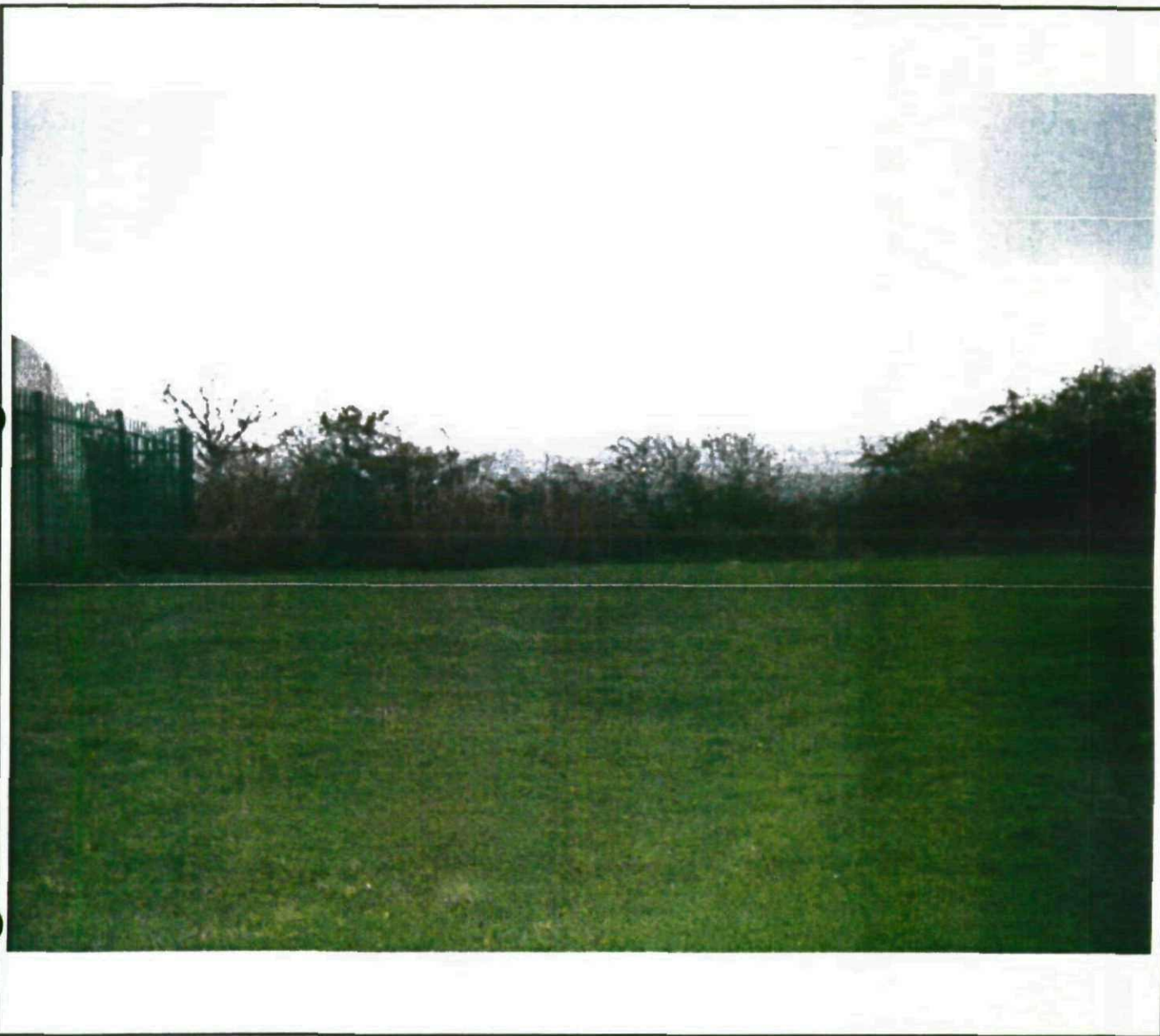
St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNSELY

VIEW OF SITE LOOKING SOUTH EAST



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P006
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood&Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD
FORMER MOORLAND PLASTICS SITE, BARNSELY
VIEW OF SITE LOOKING WEST



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P007
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood&Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNSELY

VIEW OF SITE LOOKING NORTH WEST



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P008
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood & Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD
FORMER MOORLAND PLASTICS SITE, BARNSELY
VIEW OF INSIDE OF FACTORY

Appendix 2
Envirocheck Report
Coal Authority Report

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
- Triangometrical 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
- Co. Bone Bdy
- County Borough Boundary (England)
- Co. Burgh Bdy
- County Burgh Boundary (Scotland)
- R.D. Bdy
- 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
- Coppice
- Bracken
- Heath
- Rough Grassland
- Marsh
- Reeds
- Saltings
- Building
- Glasshouse
- Sloping Masonry
- Pylon
- Electricity Transmission Line
- Pole
- Cutting
- Embankment
- Standard Gauge Multiple Track
- Standard Gauge Single Track
- Siding, Tramway or Mineral Line
- Narrow Gauge
- Geographical County
- Administrative County, County Borough or County of City
- Municipal Borough, Urban or Rural District, Burgh or District Council
- Borough, Burgh or County Constituency
- Civil Parish
- BP, BS
- Boundary Post or Stone
- Ch
- Church
- CH
- Club House
- F.E.Sta
- Fire Engine Station
- FB
- Foot Bridge
- Fn
- Fountain
- GP
- Guide Post
- MP
- Mile Post
- Mile Stone
- Pol.Sta
- Police Station
- PO
- Post Office
- PC
- Public Convenience
- PH
- Public House
- SB
- Signal Box
- Spr
- Spring
- TCP
- Telephone Call Box
- TCP
- Telephone Call Post
- W
- Well

1:10,000 Raster Mapping

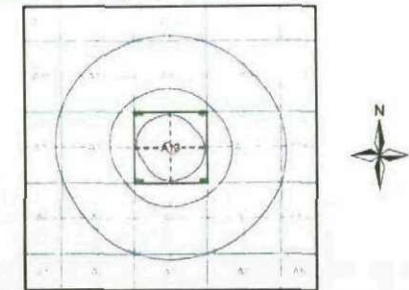
- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- General detail
- Overhead detail
- Multi-track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary
- Area of wooded vegetation
- Non-coniferous trees (scattered)
- Coniferous trees (scattered)
- Orchard
- Rough Grassland
- Scrub
- Water feature
- Telephone line (where shown)
- Bench mark (where shown)
- Point feature (e.g. Guide Post or Mile Stone)
- Site of (antiquity)
- General Building
- Refuse tip or slag heap
- Rock (scattered)
- Boulders (scattered)
- Mud
- Sand Pit
- Top of cliff
- Underground detail
- Narrow gauge railway
- Single track railway
- Civil, parish or community boundary
- Constituency boundary
- Non-coniferous trees
- Coniferous trees
- Positioned tree
- Coppice or Osiers
- Heath
- Marsh, Salt Marsh or Reeds
- Flow arrows
- Electricity transmission line (with poles)
- Triangulation station
- Pylon, flare stack or lighting tower
- Glasshouse
- 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 - 1933	5
Yorkshire	1:10,560	1938	6
Yorkshire	1:10,560	1938 - 1948	7
Yorkshire	1:10,560	1948	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1965 - 1966	10
Ordnance Survey Plan	1:10,000	1973 - 1978	11
Ordnance Survey Plan	1:10,000	1983	12
Ordnance Survey Plan	1:10,000	1983	13
10K Raster Mapping	1:10,000	2000	14
10K Raster Mapping	1:10,000	2006	15
10K Raster Mapping	1:10,000	2011	16

Historical Map - Slice A



Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNLSLEY, South Yorkshire, S70 6PQ



Tel: 0844 844 8002
 Fax: 0844 844 8001
 Web: www.envirocheck.co.uk

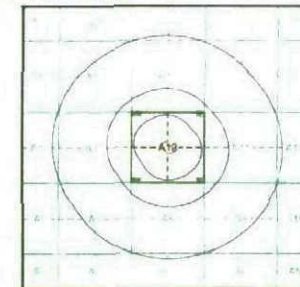
Yorkshire
Published 1855
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

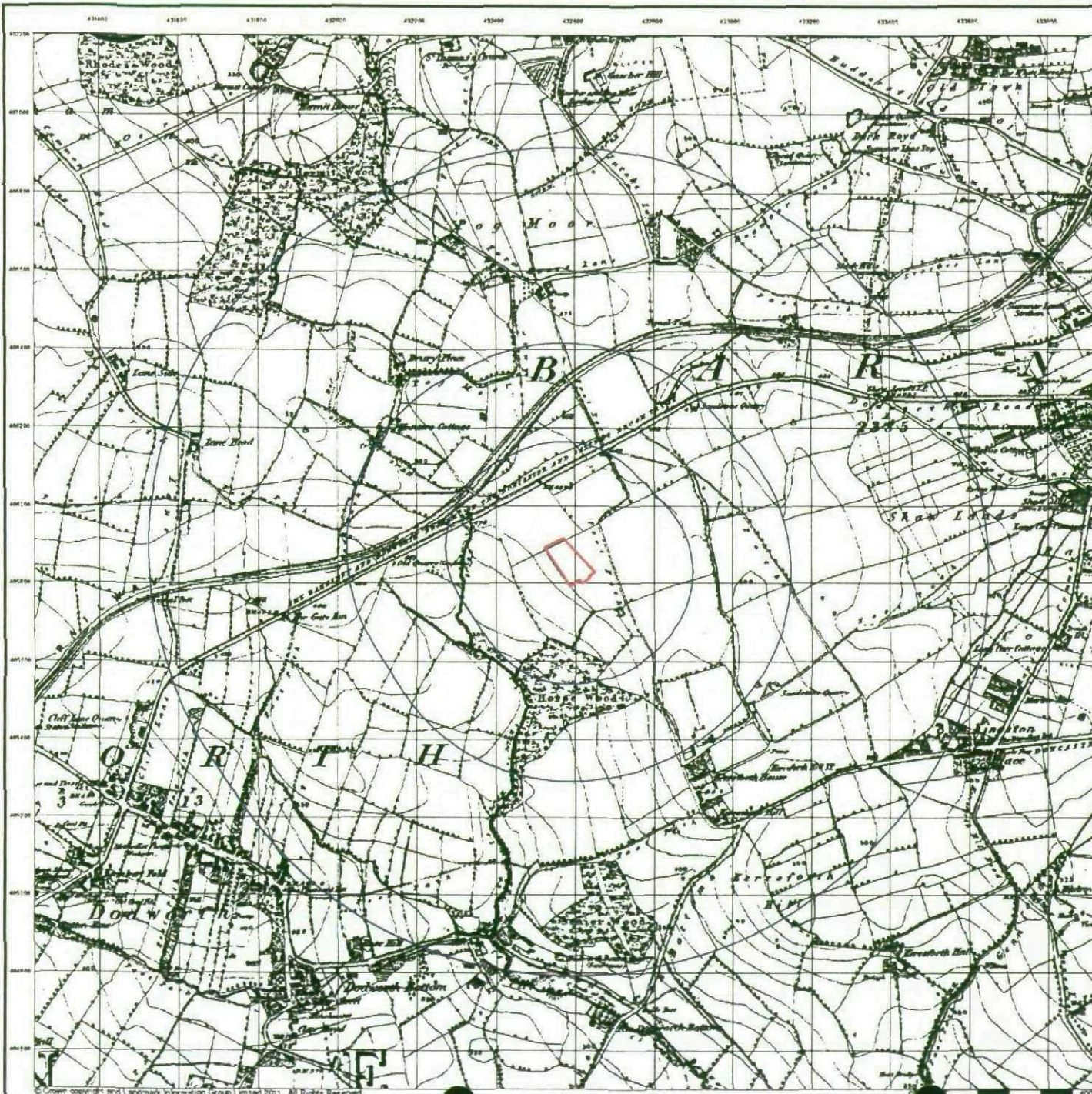


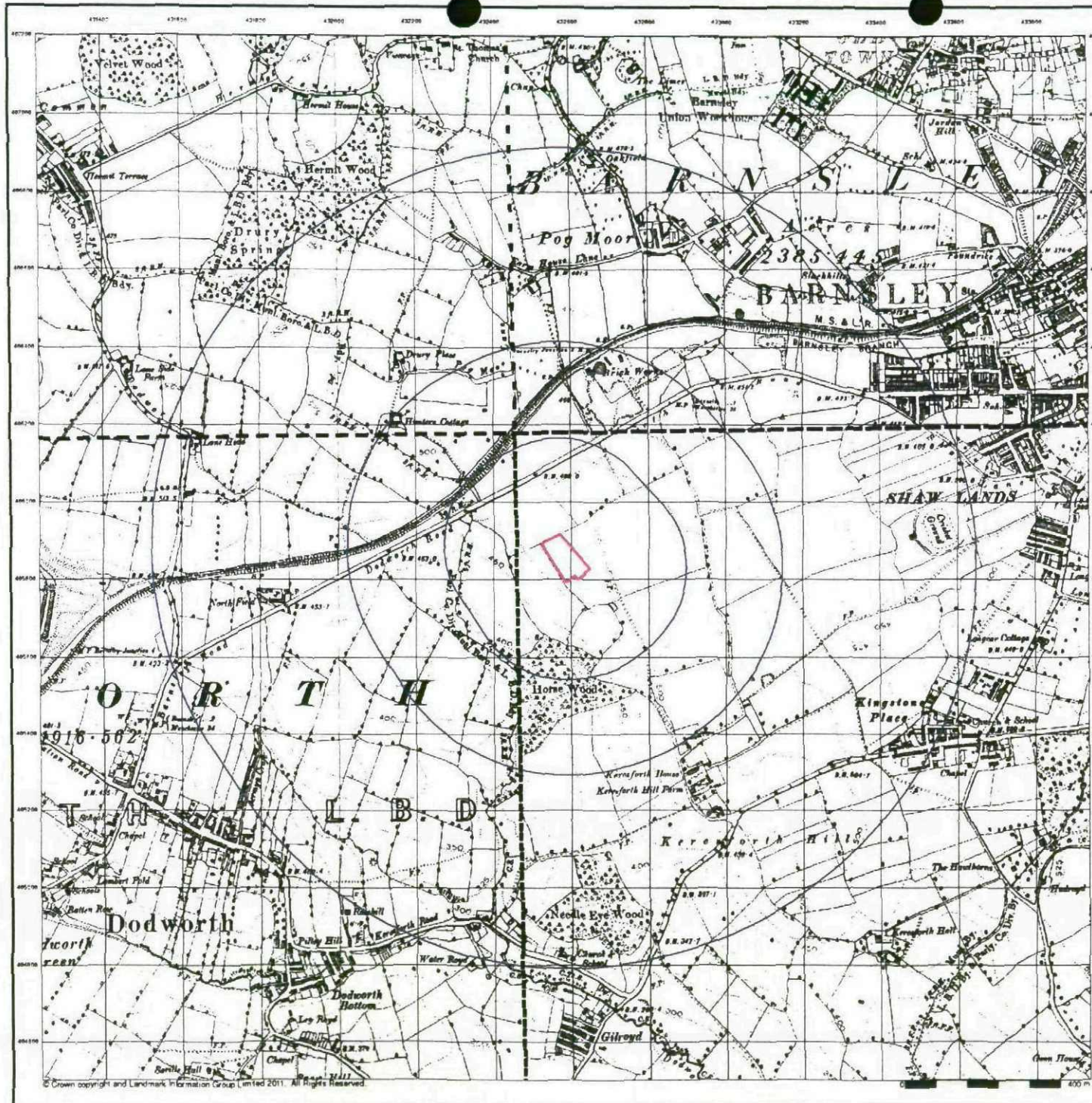
Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ





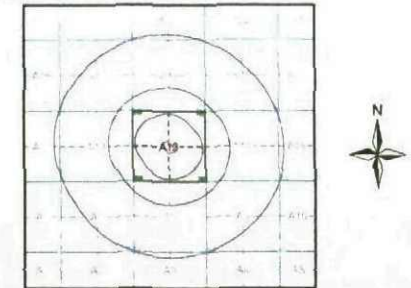
Yorkshire
Published 1894
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published data given therefore is often some years later than the surveyed data. Before 1935, all OS maps were based on the Cassini Projection, with independent 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)

274NW 1894 1:10,560	274NE 1894 1:10,560
274SW 1894 1:10,560	274SE 1894 1:10,560

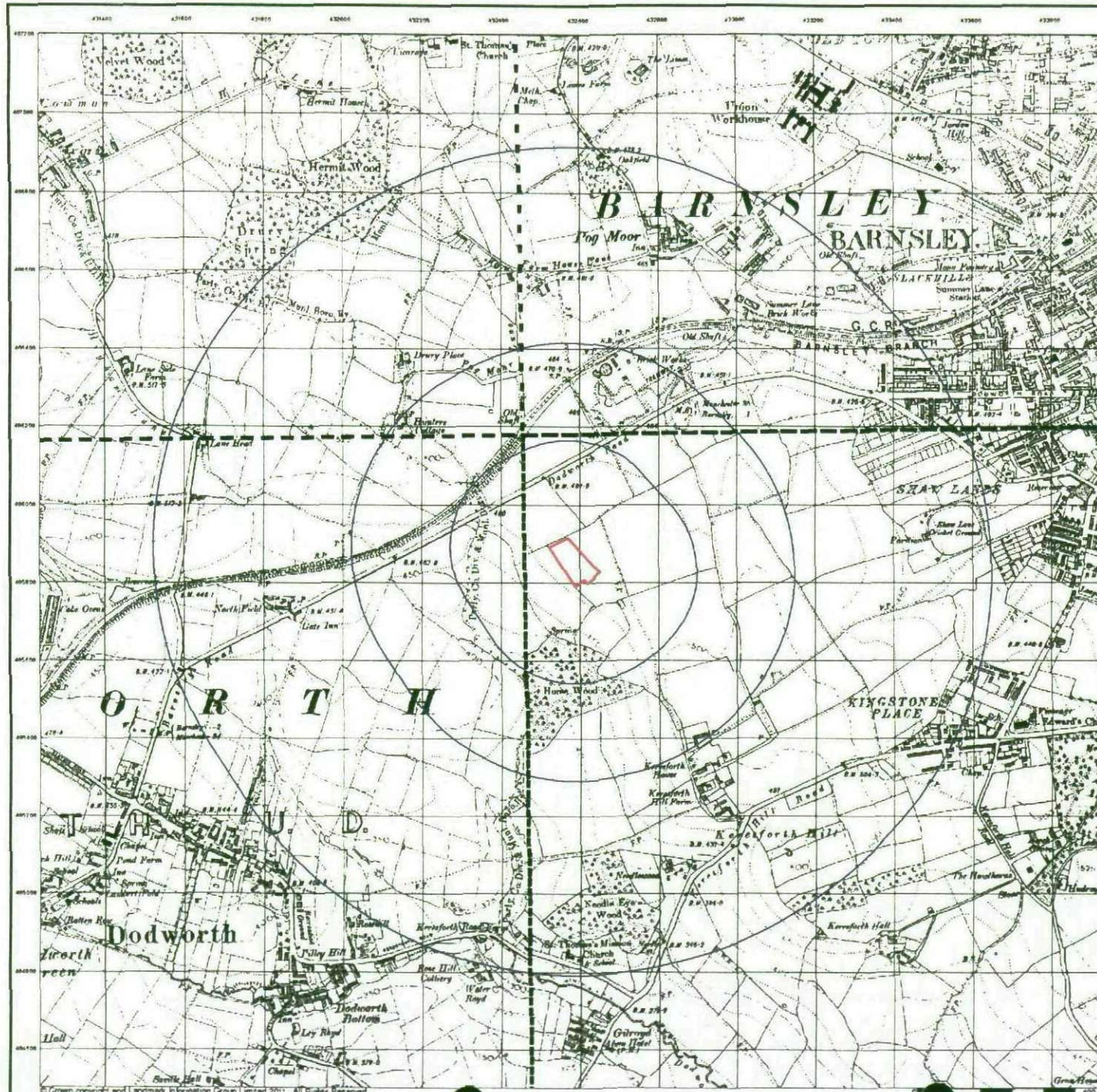
Historical Map - Slice A



Order Details
 Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details
 Moorland Plastics Barnsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ





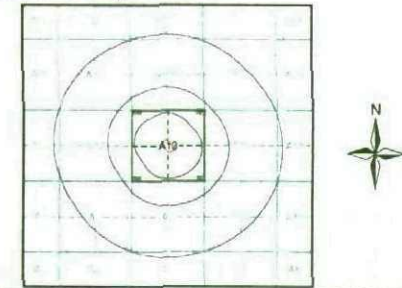
Yorkshire
Published 1907
Source map scale - 1:10,560

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)

274NW 1907 1:10,560	274NE 1907 1:10,560
274SW 1907 1:10,560	274SE 1907 1:10,560

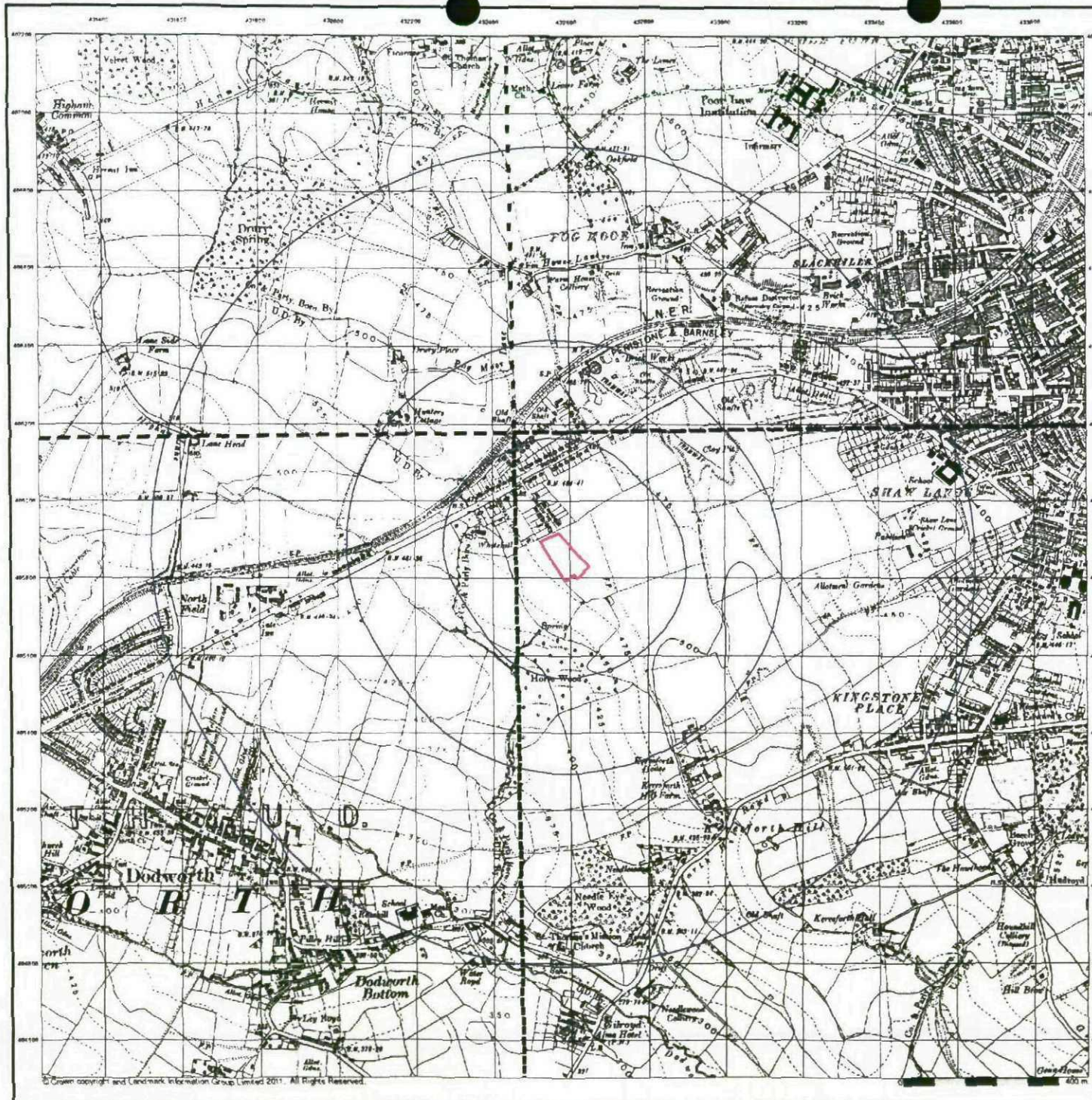
Historical Map - Slice A



Order Details
 Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details
 Moorland Plastics Barnsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ

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



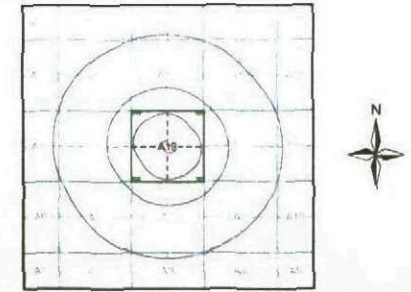
Yorkshire
Published 1932 - 1933
Source map scale - 1:10,560

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)

274NW 1933 1:10,560	274NE 1932 1:10,560
274SW 1933 1:10,560	274SE 1932 1:10,560

Historical Map - Slice A

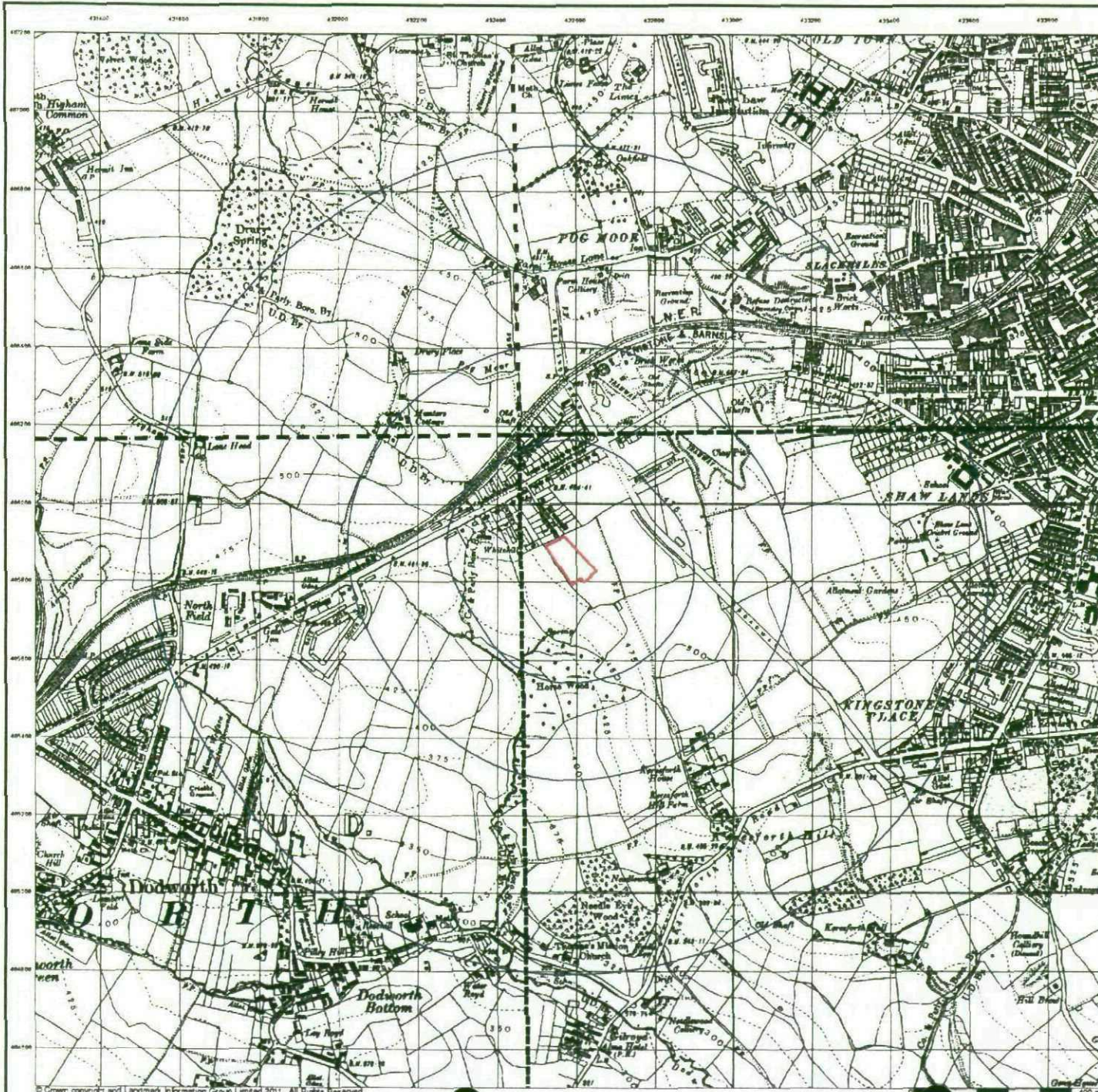


Order Details
Order Number: 36327995_1_1
Customer Ref: 34235/AS/JMW
National Grid Reference: 432590, 405850
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 1000

Site Details
Moorland Plastics Bamsley, Moorland Avenue, BARNLEY, South Yorkshire, S70 6PQ



Tel: 0844 844 9052
 Fax: 0844 844 9051
 Web: www.envirocheck.co.uk



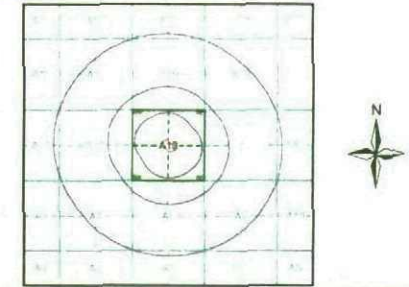
Yorkshire
Published 1938
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

274NW 1938 1:10,560	274NE 1938 1:10,560
274SW 1938 1:10,560	274SE 1938 1:10,560

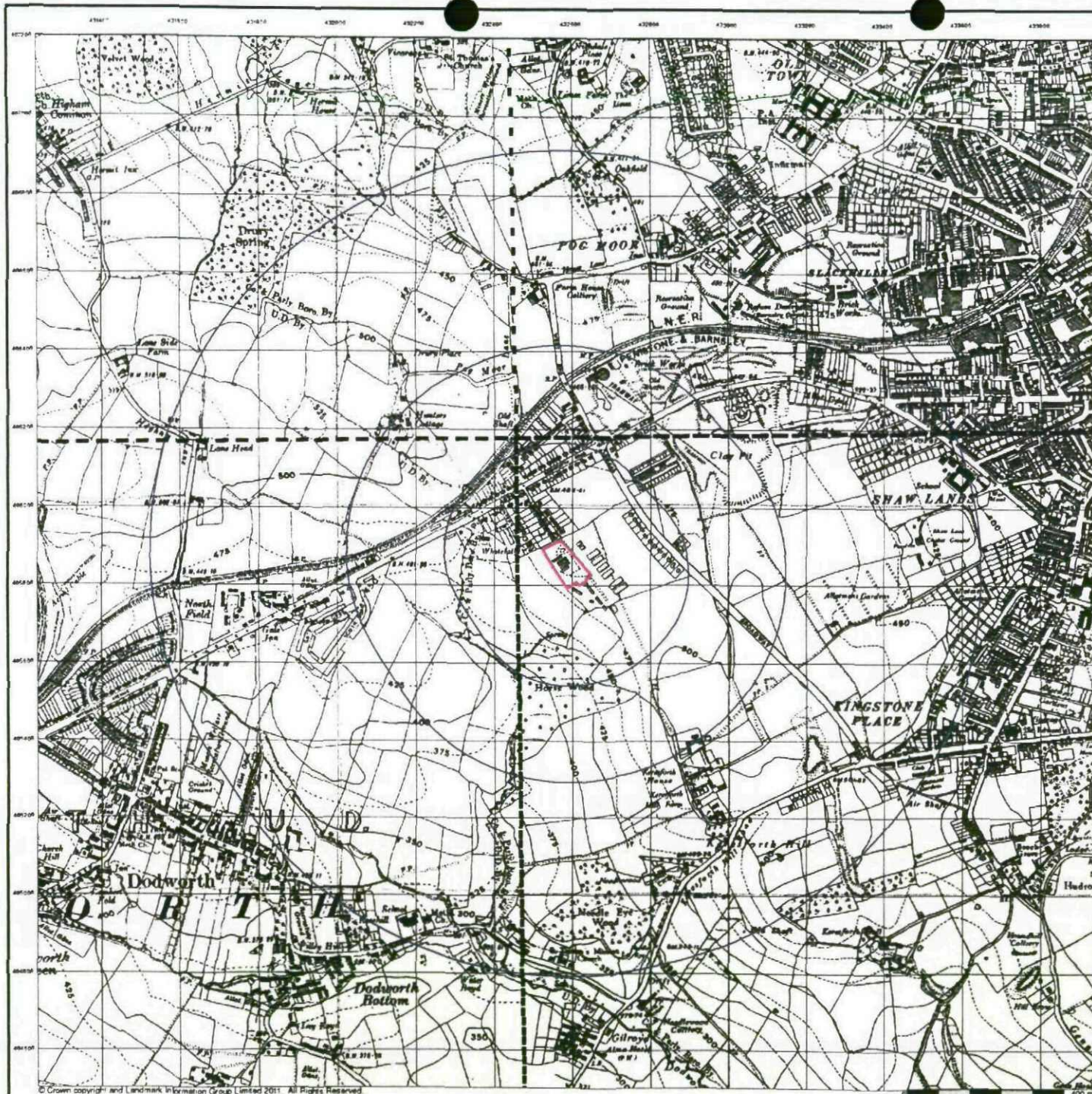
Historical Map - Slice A



Order Details
 Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Site: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details
 Moorland Plastics Barnsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ





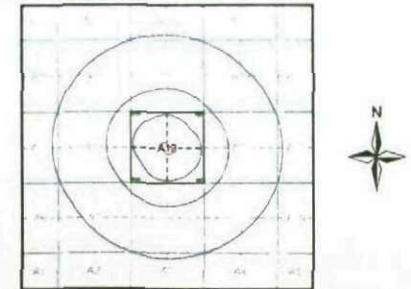
Yorkshire
Published 1938 - 1948
Source map scale - 1:10,560

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)

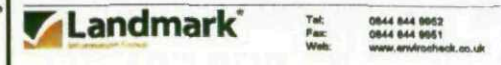
274NW 1938 1:10,560	274NE 1948 1:10,560
274SW 1938 1:10,560	274SE 1948 1:10,560

Historical Map - Slice A



Order Details
 Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details
 Moorland Plastics Bamsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



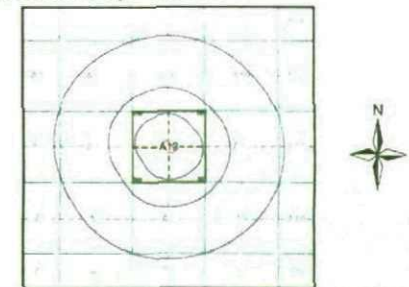
Yorkshire
Published 1948
Source map scale - 1:10,560

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)

274NW	1948	1:10,560
274SW	1948	1:10,560

Historical Map - Slice A



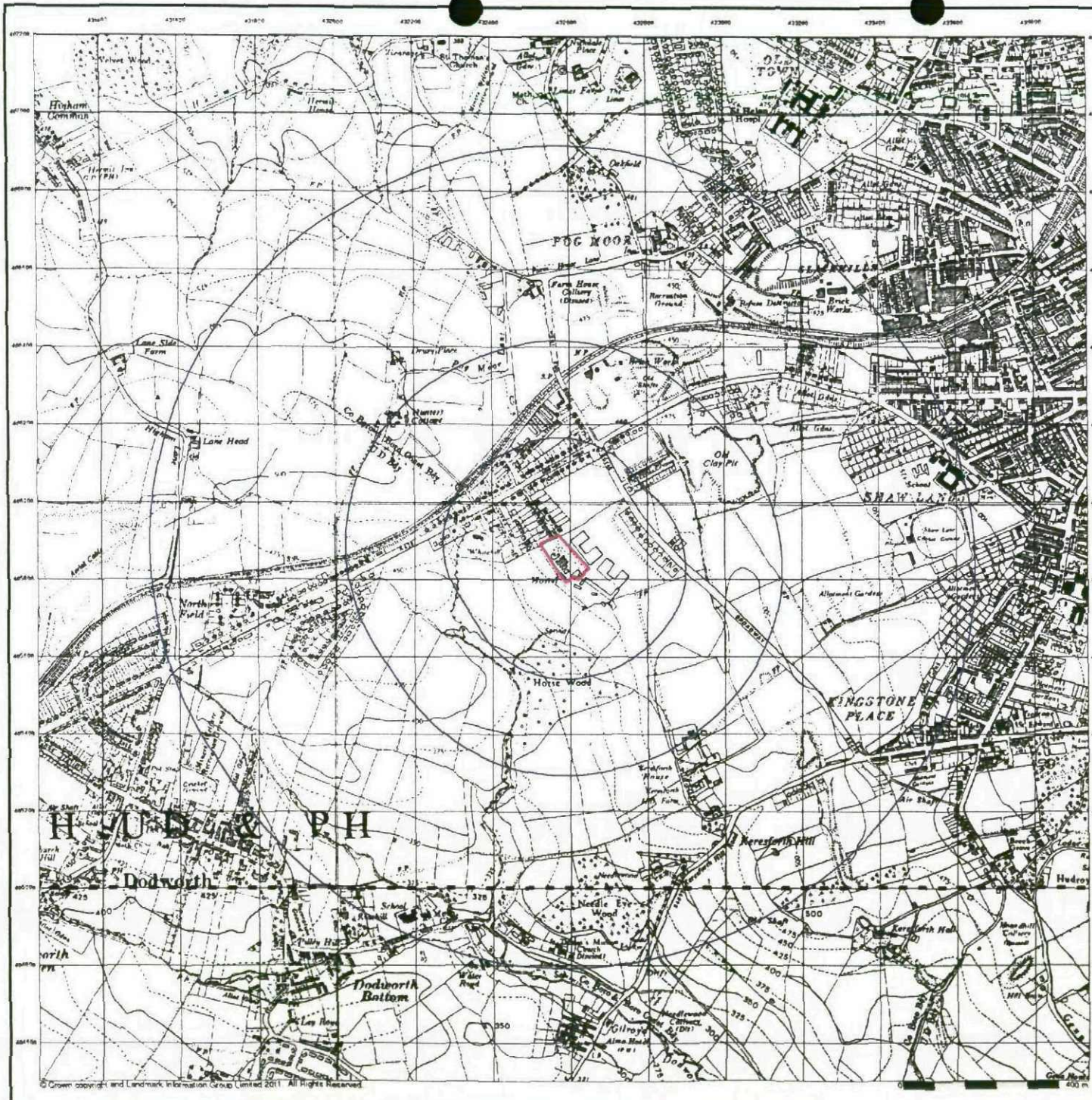
Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSLEY,
 South Yorkshire, S70 6PQ





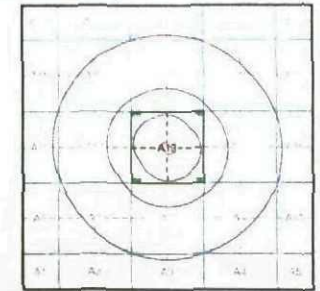
Ordnance Survey Plan
Published 1956
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SE30NW	1956
SE30SW	1956

Historical Map - Slice A



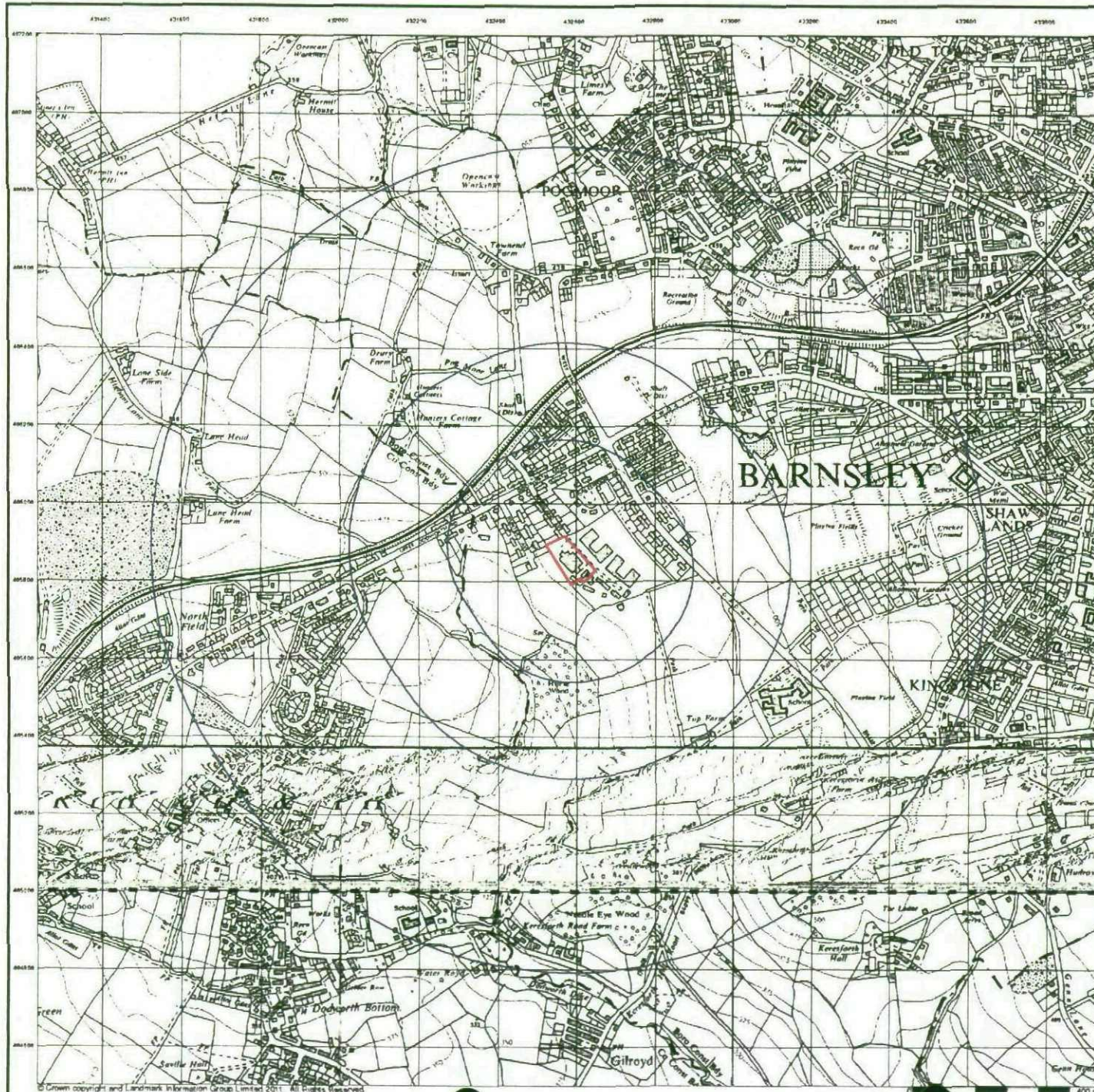
Order Details

Order Number:	36327995_1_1
Customer Ref:	34235/AS/JMW
National Grid Reference:	432590, 405850
Slice:	A
Site Area (Ha):	0.74
Search Buffer (m):	1000

Site Details
 Moorland Plastics Barnsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



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



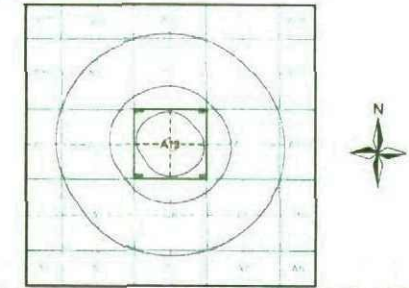
Ordnance Survey Plan
Published 1965 - 1966
Source map scale - 1:10,000

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)

SE30NW	1966
SE30SW	1965

Historical Map - Slice A



Order Details

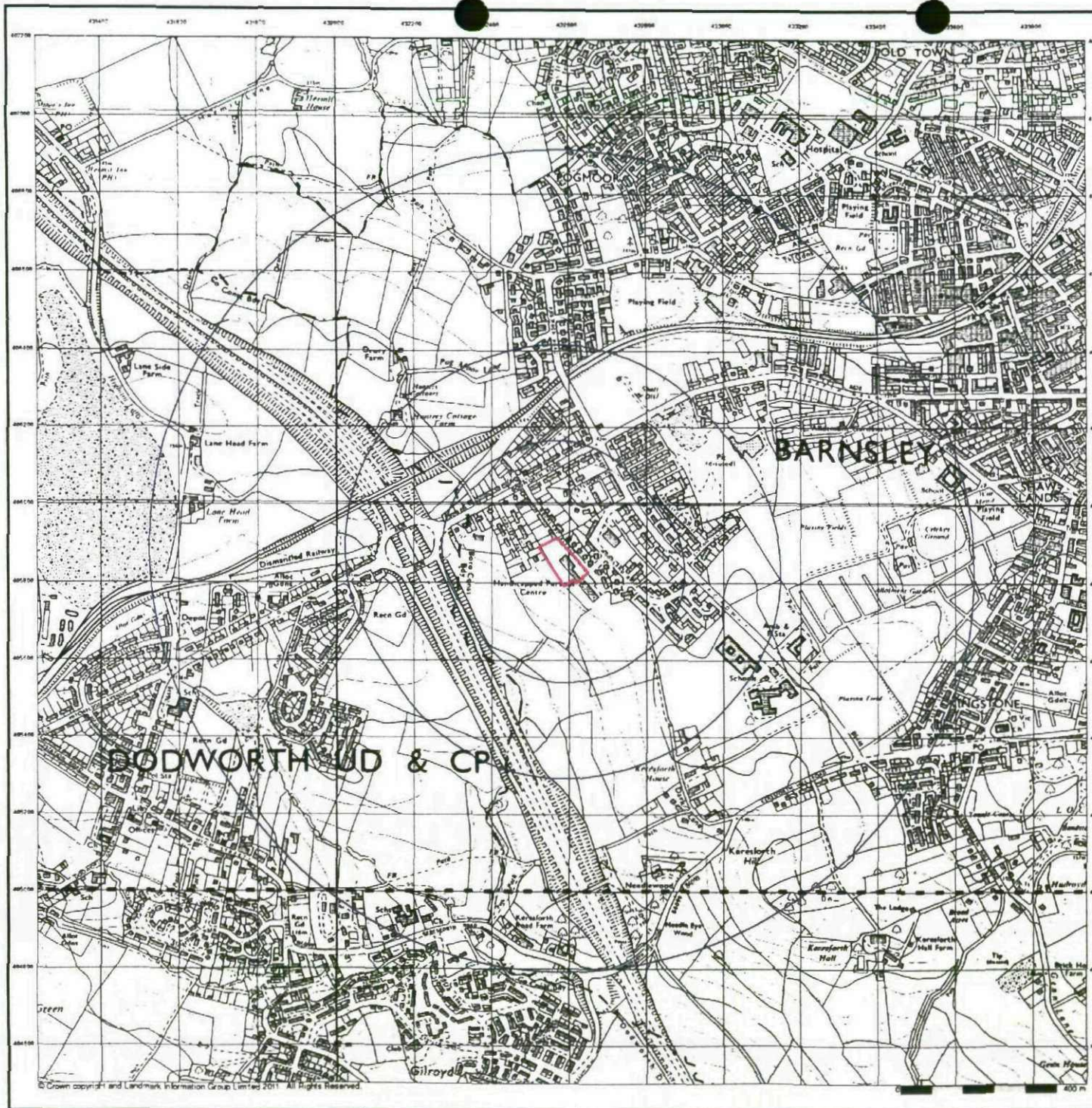
Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



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



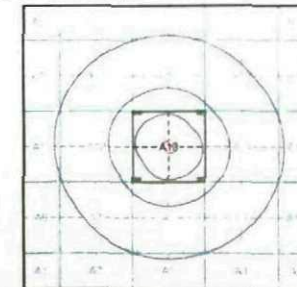
**Ordnance Survey Plan
Published 1973 - 1978
Source map scale - 1:10,000**

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 1840'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)

SE30NW	1973	1:10,000
SE30SW	1978	1:10,000

Historical Map - Slice A



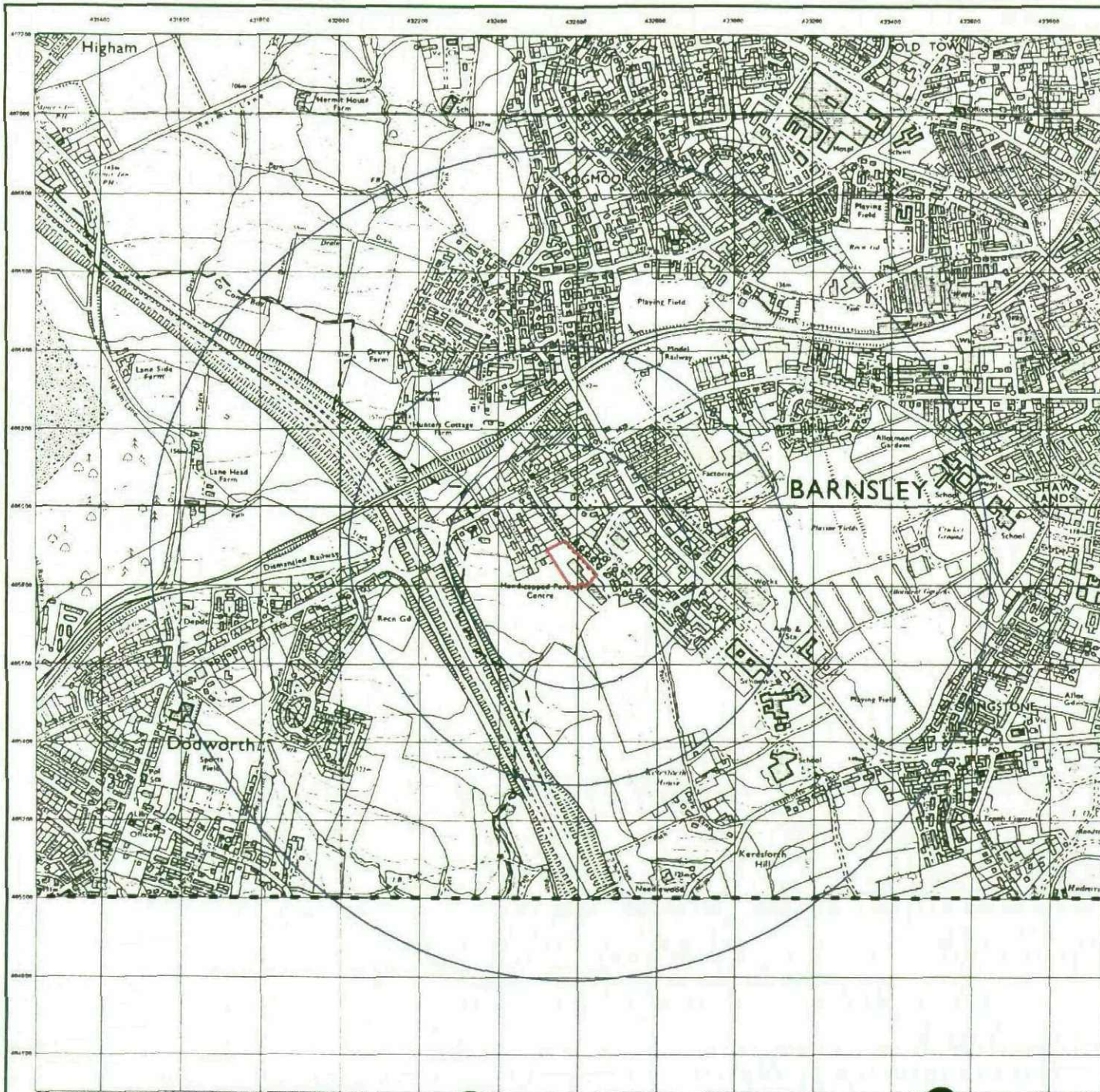
Order Details

Order Number:	36327995_1_1
Customer Ref:	34235/AS/JMW
National Grid Reference:	432590, 405850
Slice:	A
Site Area (Ha):	0.74
Search Buffer (m):	1000

Site Details
Moorland Plastics Barnsley, Moorland Avenue, BARNLSLEY,
South Yorkshire, S70 6PQ



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



**Ordnance Survey Plan
Published 1983**

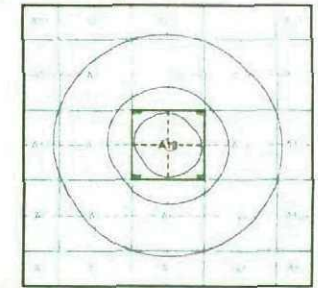
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published data given therefore is often some years later than the surveyed data. Before 1935, 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

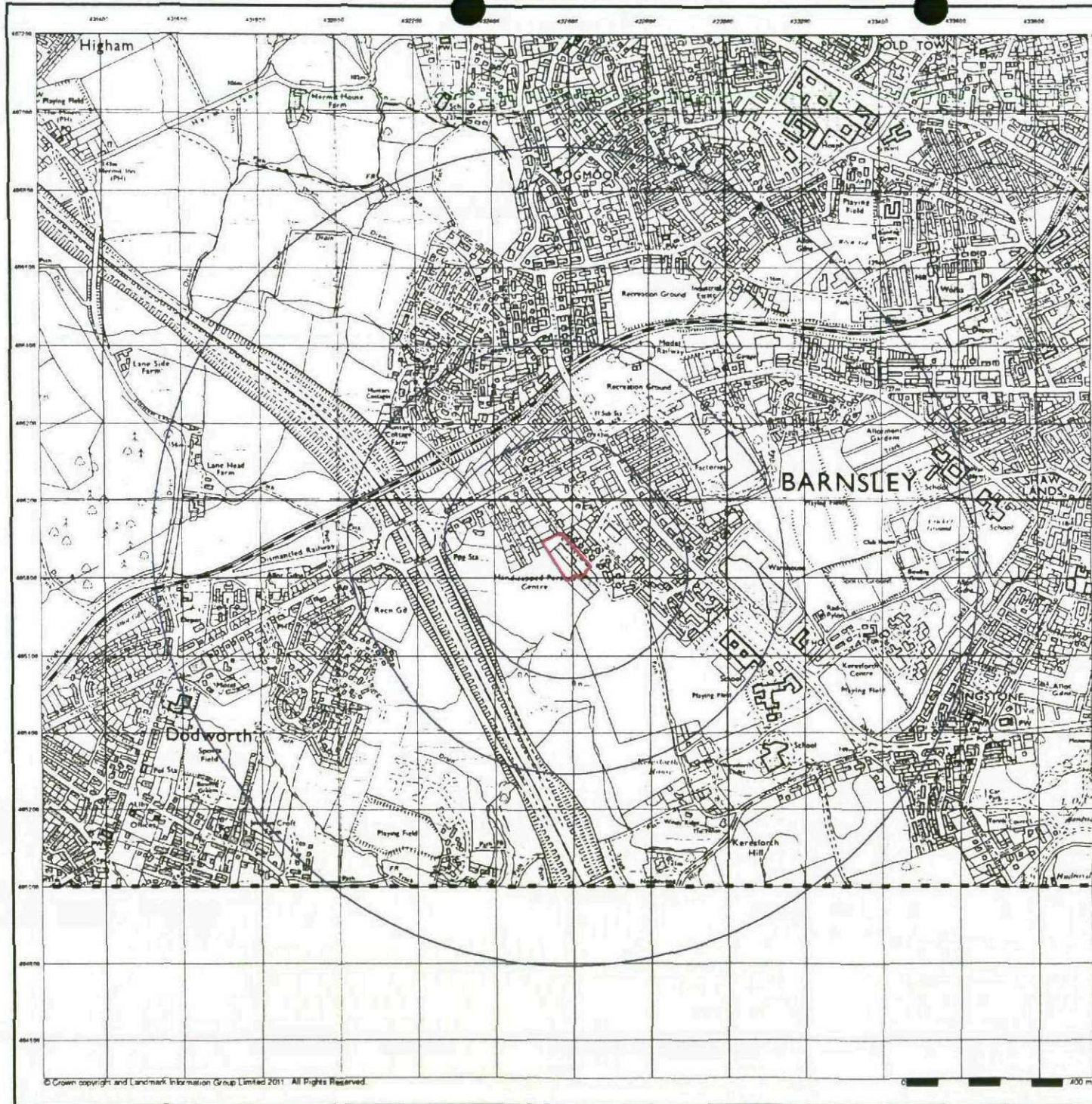
Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNSELEY, South Yorkshire, S70 6PQ



Tel: 0844 844 9802
 Fax: 0844 844 9851
 Web: www.envirocheck.co.uk



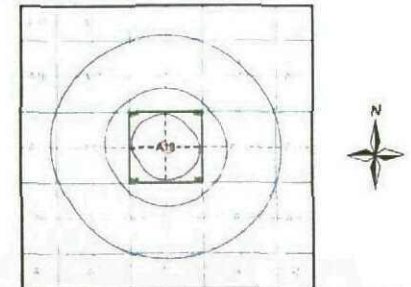
**Ordnance Survey Plan
Published 1993
Source map scale - 1:10,000**

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 additions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details
 Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details
 Moorland Plastics Barnsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



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

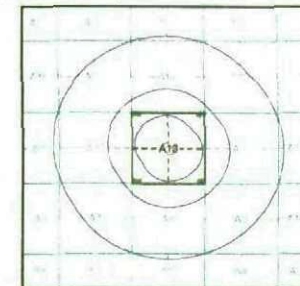
The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks 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)

SE30NW
 2000
 1:10,000

SE30SW
 2000
 1:10,000

Historical Map - Slice A

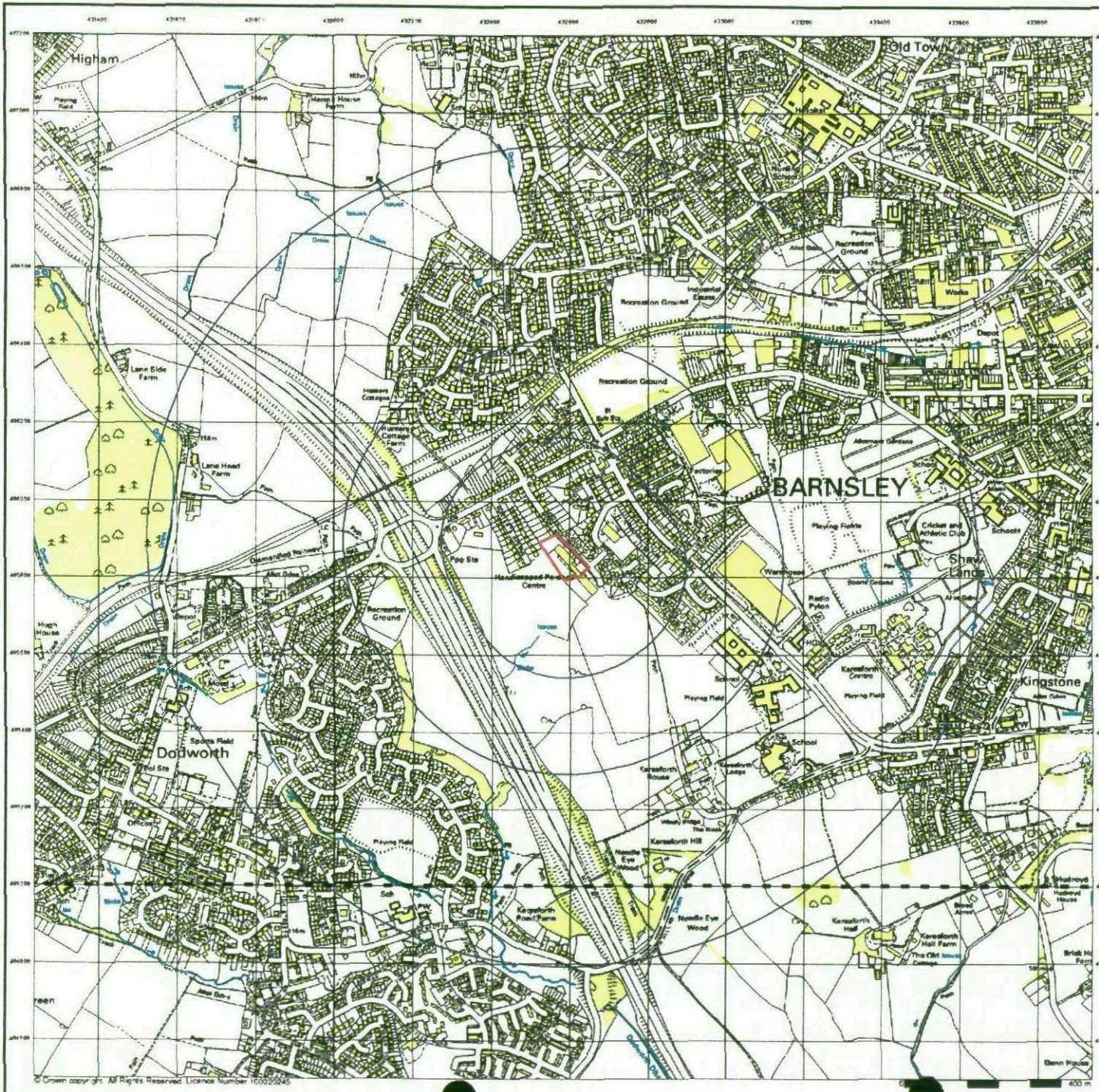


Order Details

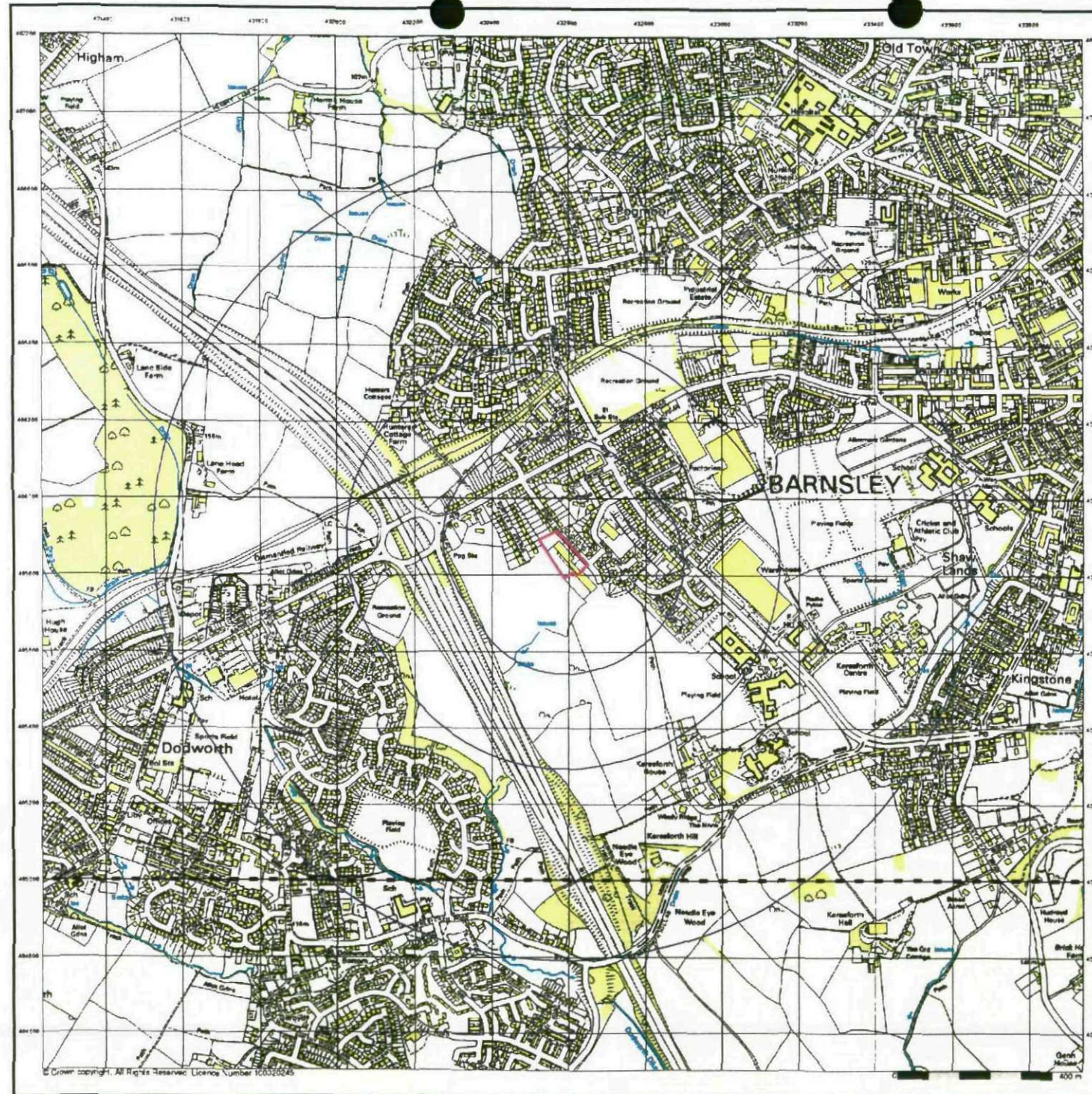
Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



© Crown copyright. All Rights Reserved. Licence Number 100020245



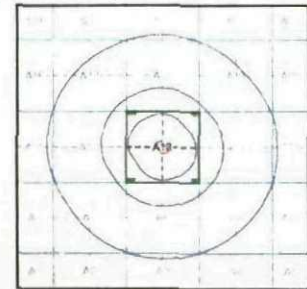
10k Raster Mapping
Published 2006
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SE30NW
 2006
 SE30SW
 2006
 1:10,000

Historical Map - Slice A



Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNSLEY, South Yorkshire, S70 6PQ



Tel: 0844 844 9852
 Fax: 0844 844 9851
 Web: www.envirocheck.co.uk



10k Raster Mapping
Published 2011
Source map scale - 1:10,000

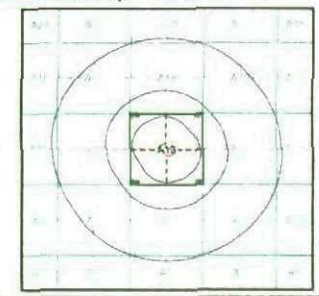
The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks 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)

SE30NW
2011
1:10,000

SE30SW
2011
1:10,000

Historical Map - Slice A



Order Details

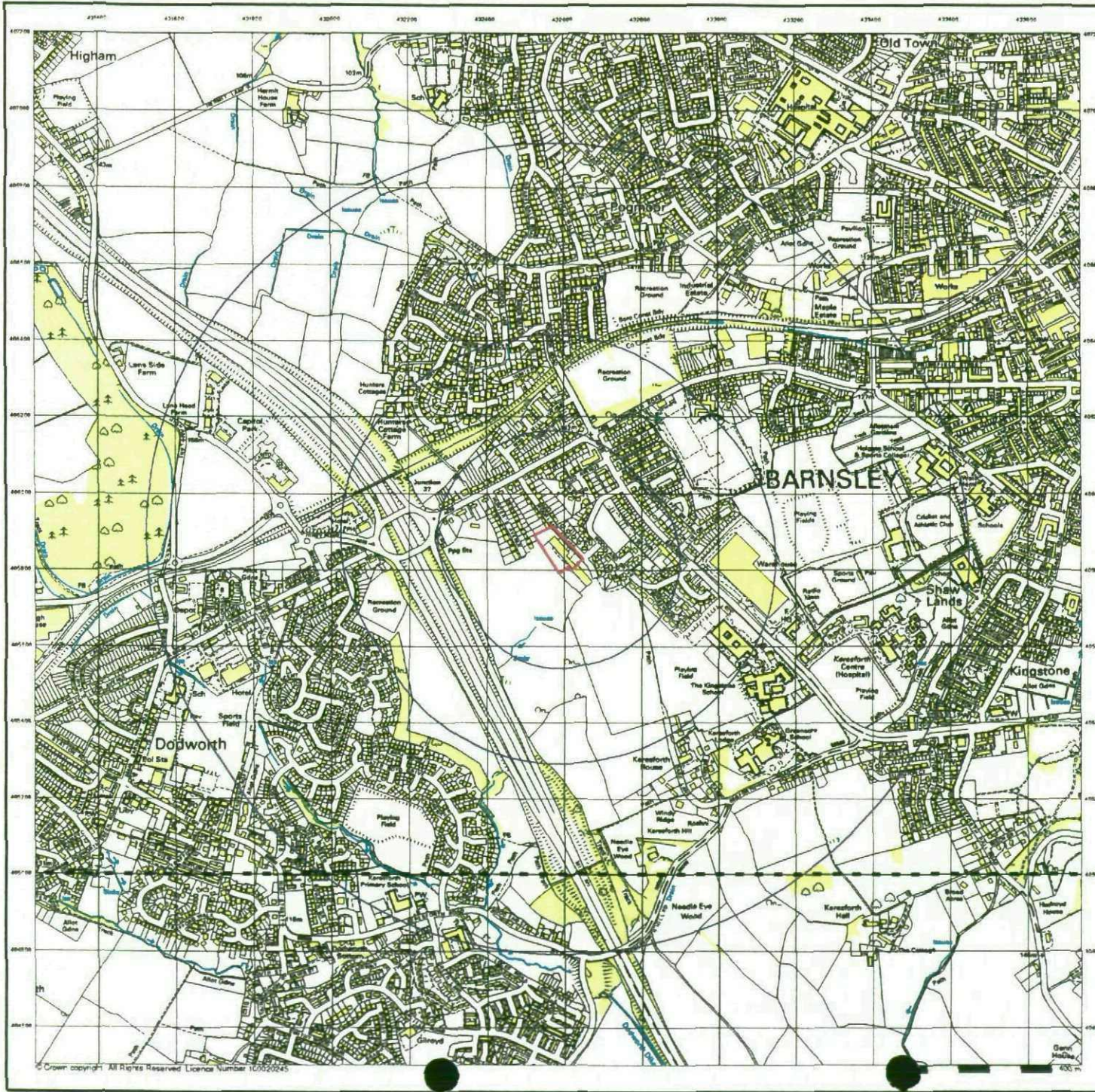
Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



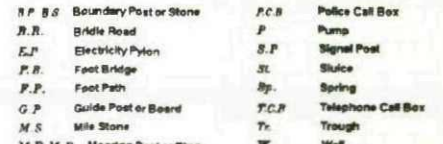
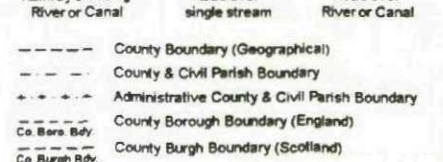
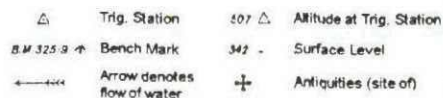
Tel: 0544 844 9922
 Fax: 0544 844 9951
 Web: www.envirocheck.co.uk



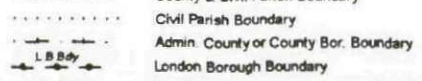
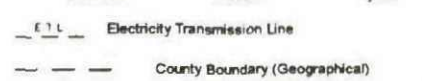
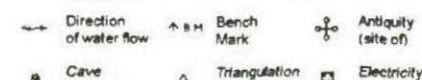
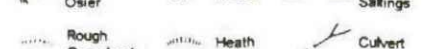
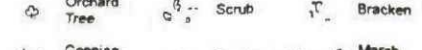
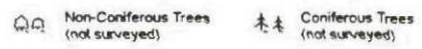
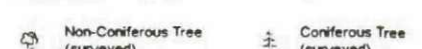
© Crown copyright. All Rights Reserved. Licence Number 100020245.

Historical Mapping Legends

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

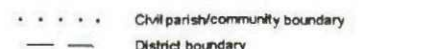
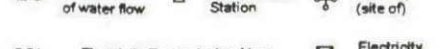
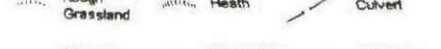
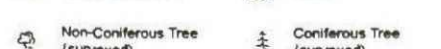


Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Bear House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PD	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Ch, Ch	Chimney	PH	Public House
D Fm	Drinking Fountain	Pp	Pump
EI P	Electricity Pylon or Post	SS, S Br	Signal Box or Bridge
FAP	Fire Alarm Pylon	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tx	Tank or Truck
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wt Pt, Wt	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



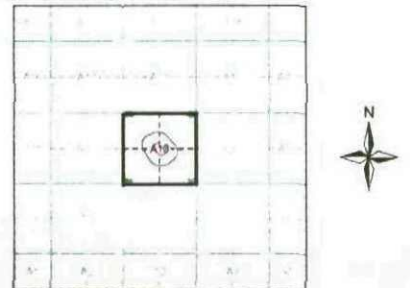
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cem	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cls	Clam	Ppg Sta	Pumping Station
Disrd Ry	Disrupted Railway	PW	Place of Worship
EI Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
E/P	Electricity Pole, Pylon	SS, S Br	Signal Box or Bridge
EI Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filler Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ptn.	Tk	Tank or Truck
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governor	Wd Pp	Wind Pump
GP	Guide Post	Wt Pt, Wt	Water Point, Water Tap
MH	Manhole	W	Well
MP, MS	Mile Post or Mile Stone	W	Well



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1983	2
Yorkshire	1:2,500	1986	3
Yorkshire	1:2,500	1931	4
Ordnance Survey Plan	1:1,250	1980	5
Ordnance Survey Plan	1:2,500	1981	6
Ordnance Survey Plan	1:1,250	1989 - 1970	7
Ordnance Survey Plan	1:2,500	1971	8
Supply of Unpublished Survey Information	1:1,250	1974	9
Additional SIMs	1:2,500	1978 - 1991	10
Additional SIMs	1:1,250	1983 - 1991	11
Ordnance Survey Plan	1:1,250	1987 - 1988	12
Additional SIMs	1:1,250	1991	13
Large-Scale National Grid Data	1:1,250	1993	14

Historical Map - Segment A13



Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 100

Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNLSLEY, South Yorkshire, S70 6PQ



Tel: 0844 844 8652
 Fax: 0844 844 8651
 Web: www.envirocheck.co.uk



Yorkshire
Published 1893

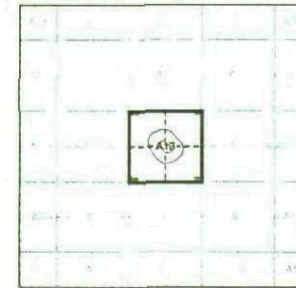
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

274_06 1893 1:2,500	274_07 1893 1:2,500
274_10 1893 1:2,500	274_11 1893 1:2,500

Historical Map - Segment A13



Order Details

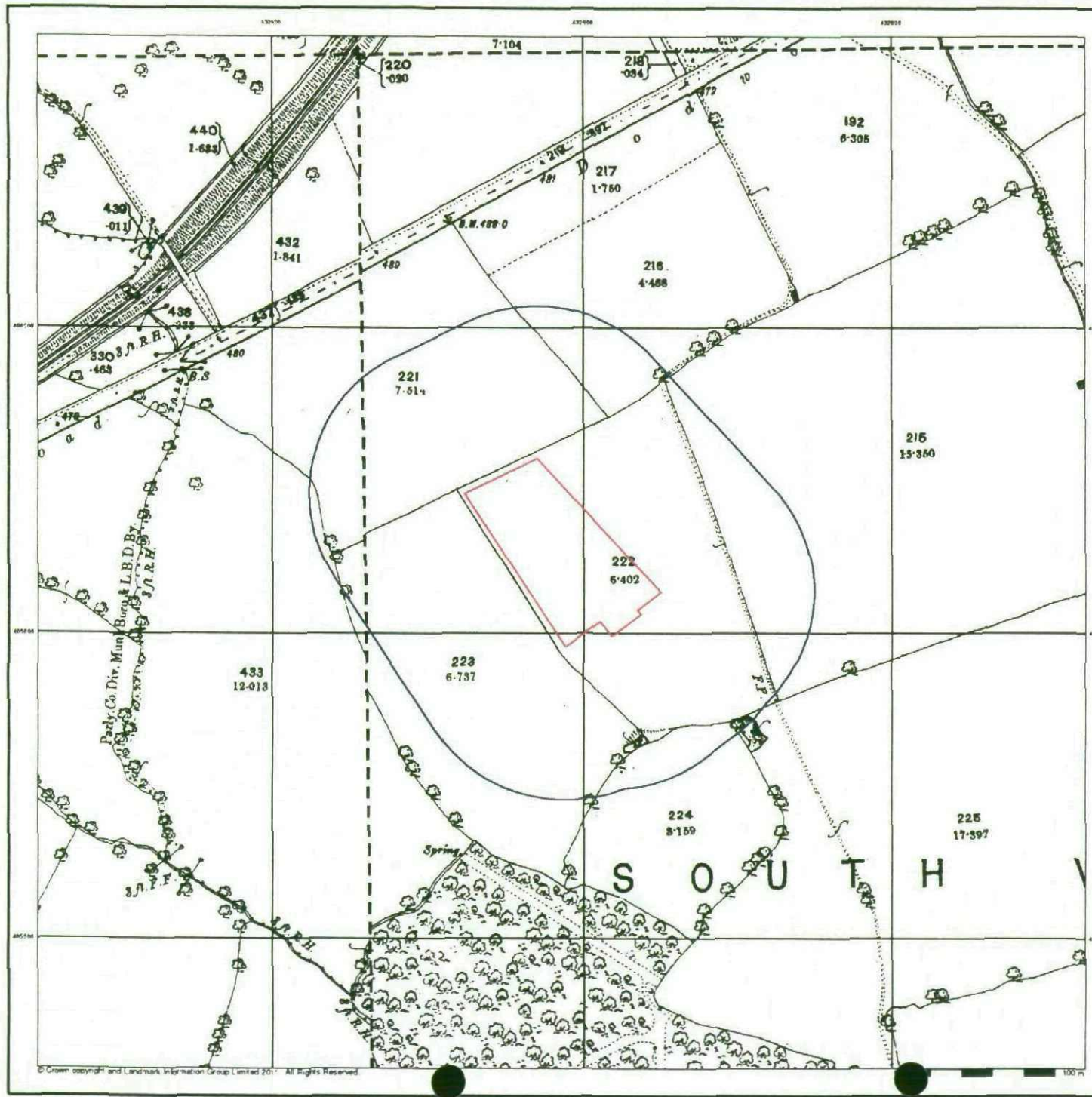
Order Number: 36327995_1_1
Customer Ref: 34235/AS/JMW
National Grid Reference: 432590, 405850
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 100

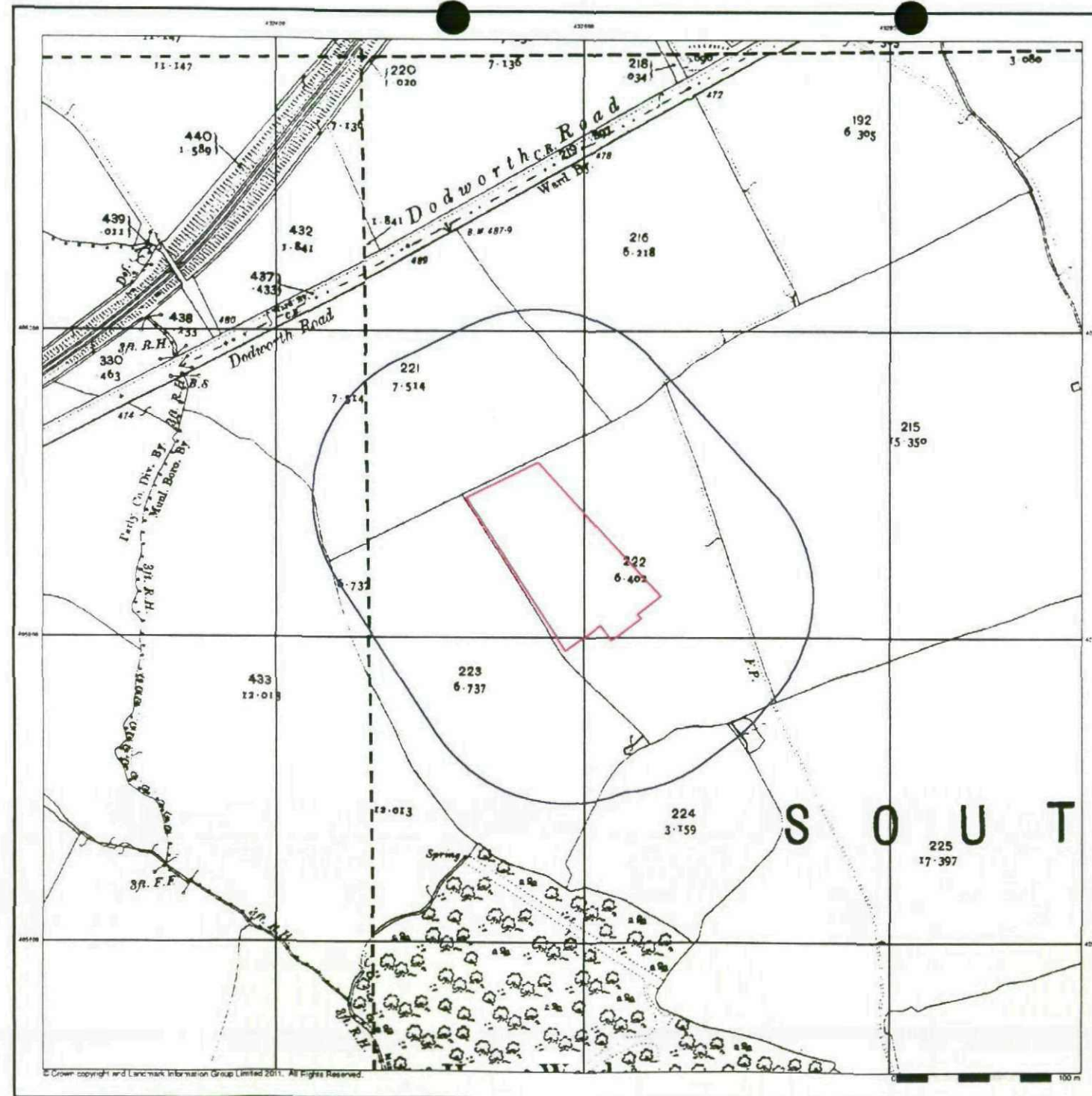
Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNESLEY,
South Yorkshire, S70 6PQ



Tel: 0844 844 8052
Fax: 0844 844 8051
Web: www.envirocheck.co.uk





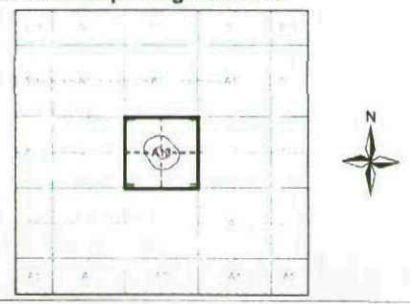
Yorkshire
Published 1906
Source map scale - 1:2,500

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)

27N 06 1906 1:2,500	27N 07 1908 1:2,500
27N 10 1905 1:2,500	27N 11 1908 1:2,500

Historical Map - Segment A13

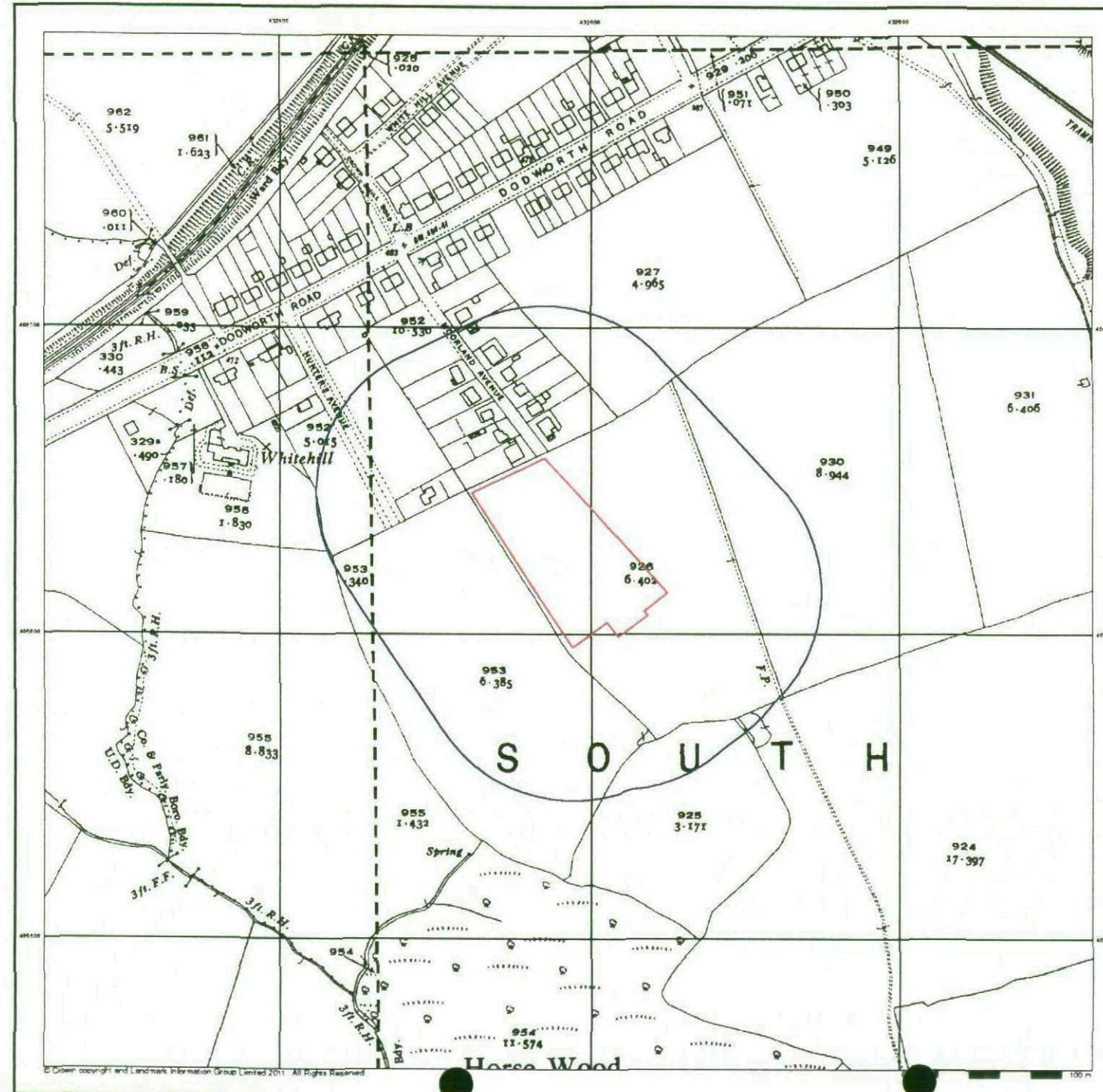


Order Details
 Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 100

Site Details
 Moorland Plastics Bamsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



© Crown copyright and Landmark Information Group Limited 2011. All Rights Reserved.



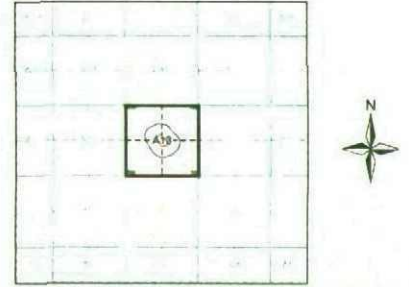
Yorkshire
Published 1931
Source map scale - 1:2,500

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)

274_06 1931 1:2,500	274_07 1931 1:2,500
274_10 1931 1:2,500	274_11 1931 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 100

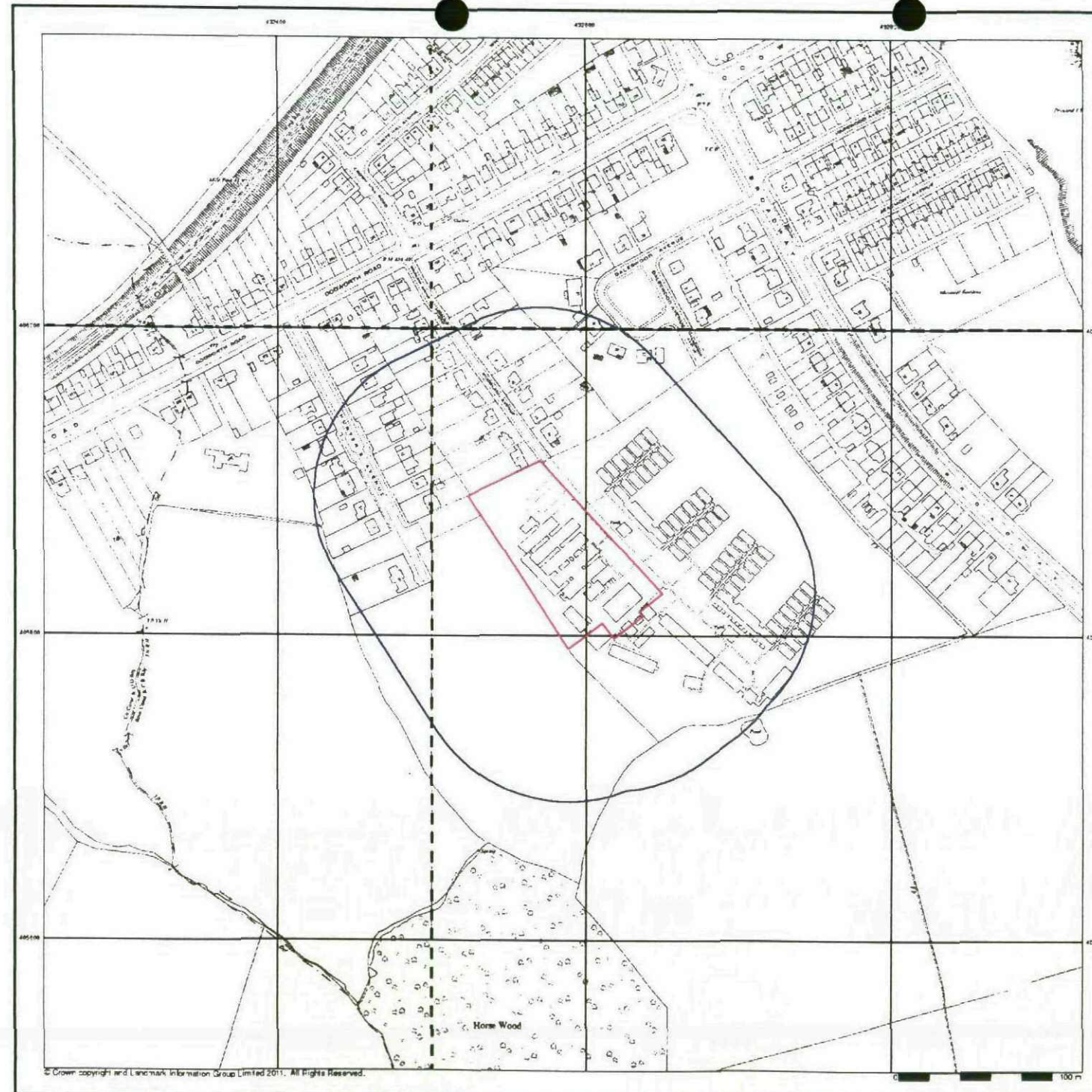
Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSELY, South Yorkshire, S70 6PQ



Tel: 0844 844 8952
 Fax: 0844 844 8951
 Web: www.envirocheck.co.uk

© Crown copyright and Landmark Information Group Limited 2011. All Rights Reserved



Ordnance Survey Plan

Published 1960

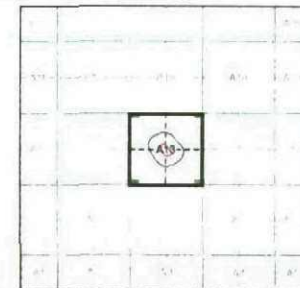
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SE 3206SW 1960 1:1,250	SE 3206SE 1960 1:1,250
SE 3206NW 1960 1:1,250	SE 3206NE 1960 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 100

Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



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

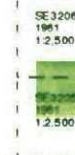


Ordnance Survey Plan Published 1961

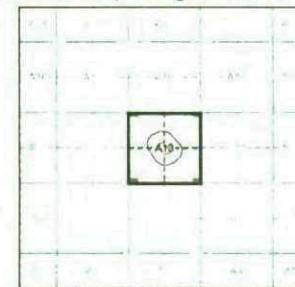
Source map scale - 1:2,500

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 was considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed data. 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: 36327995_1_1
Customer Ref: 34235/AS/JMW
National Grid Reference: 432590, 405850
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 100

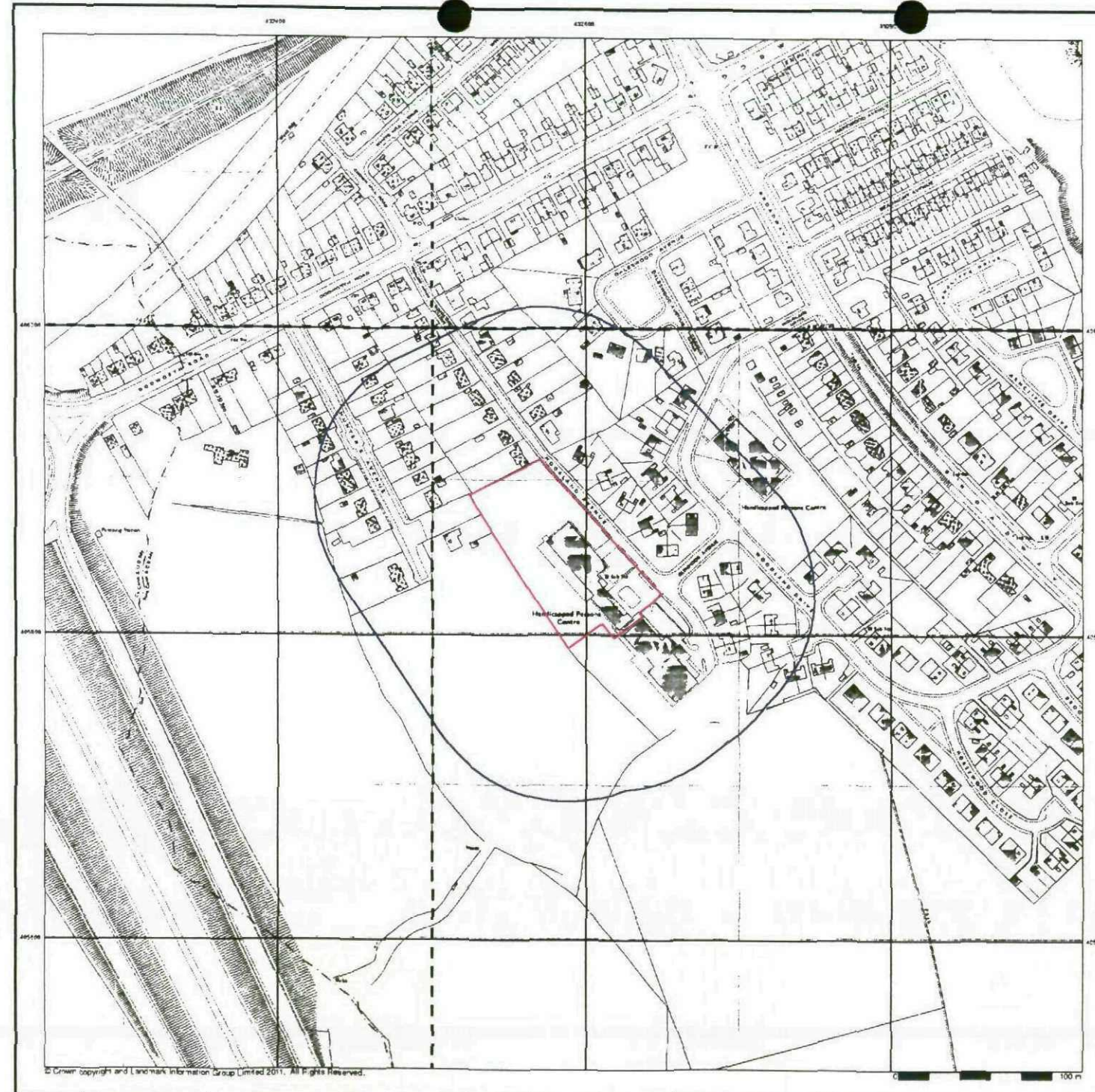
Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSLEY,
South Yorkshire, S70 6PQ



Tel: 0844 844 9852
Fax: 0844 844 9851
Web: www.envirocheck.co.uk





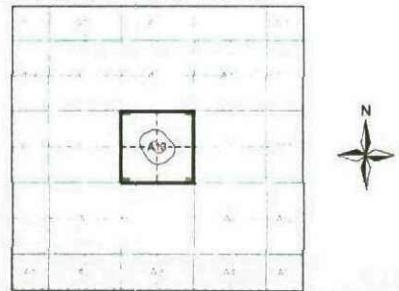
Ordnance Survey Plan
Published 1969 - 1970
Source map scale - 1:1,250

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 data. 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)

SE 3204SW 1969 1:1,250	SE 7204SE 1969 1:1,250
SE 3204NW 1970 1:1,250	SE 7204NE 1970 1:1,250

Historical Map - Segment A13



Order Details
 Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 100

Site Details
 Moorland Plastics Bamsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ





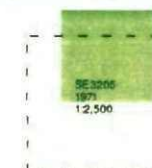
Ordnance Survey Plan

Published 1971

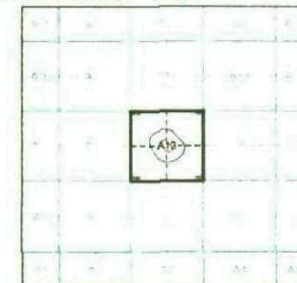
Source map scale - 1:2,500

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

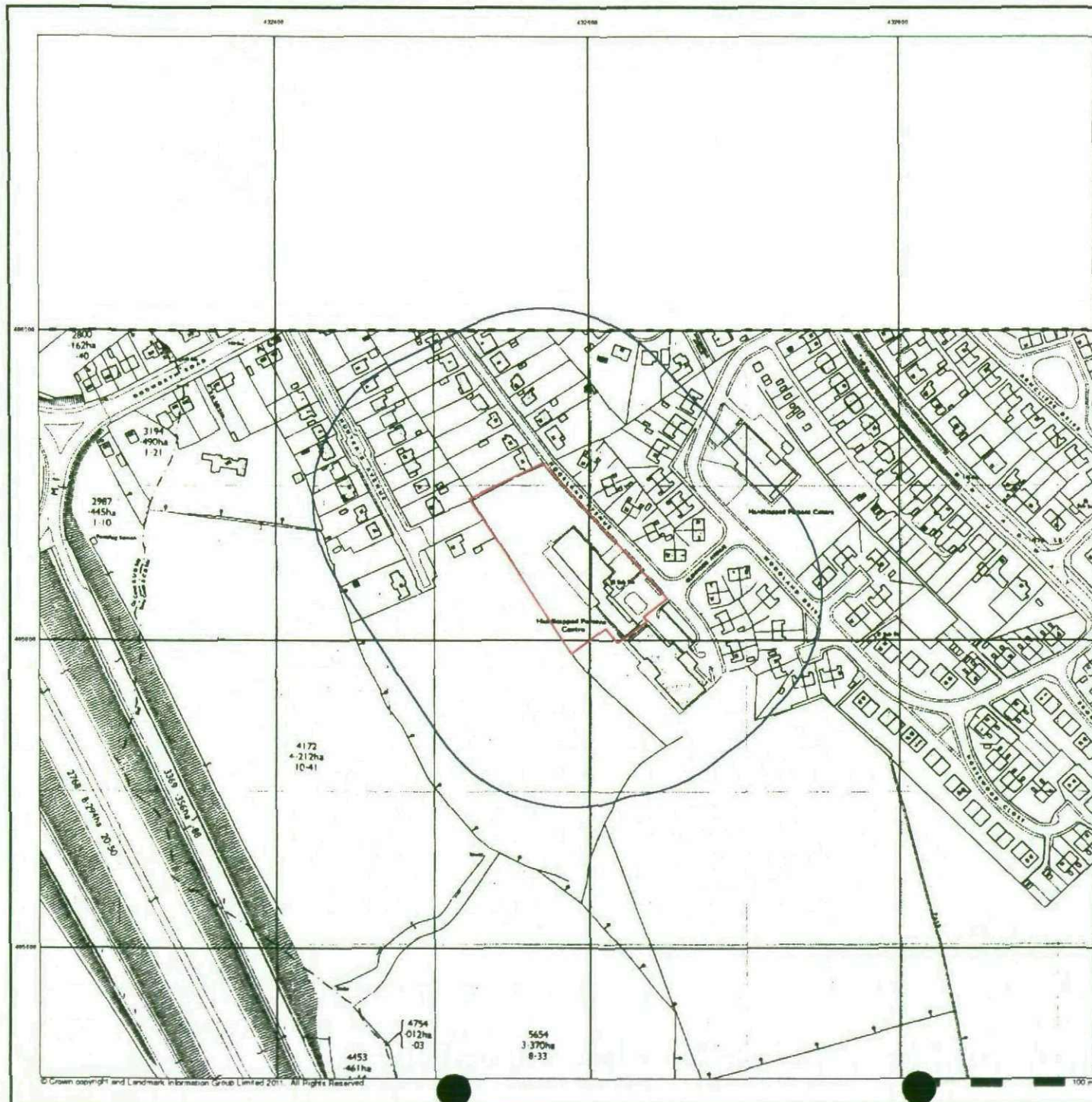
Order Number: 36327995_1_1
Customer Ref: 34235/AS/JMW
National Grid Reference: 432590, 405850
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 100

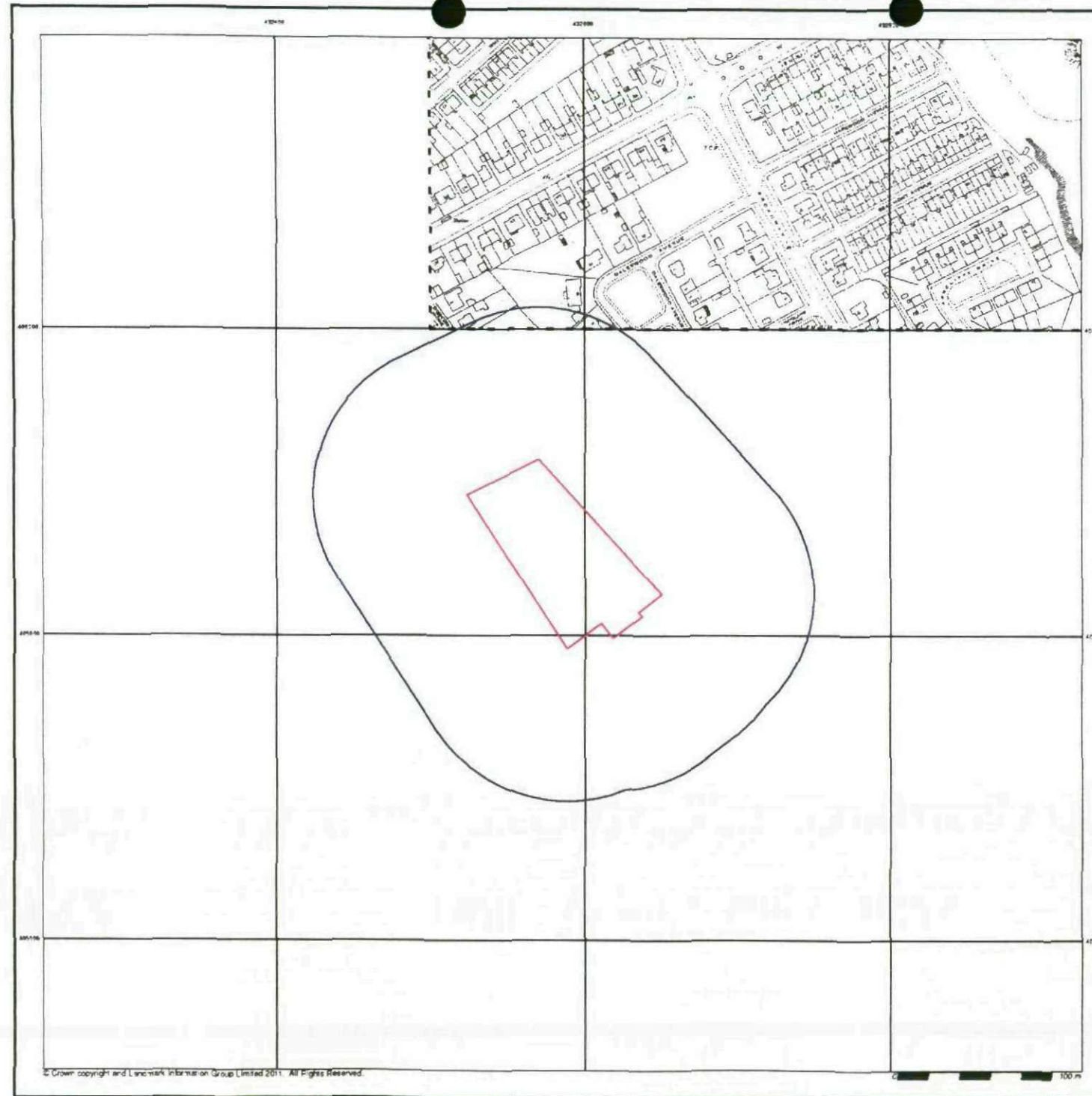
Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSLEY, South Yorkshire, S70 6PQ



Tel: 0844 844 8062
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

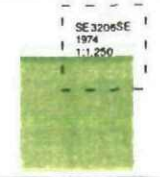




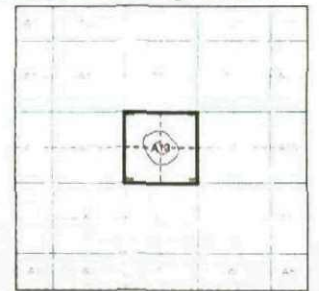
**Supply of Unpublished Survey Information
Published 1974
Source map scale - 1:1,250**

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 100

Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNSELEY,
 South Yorkshire, S70 6PQ



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



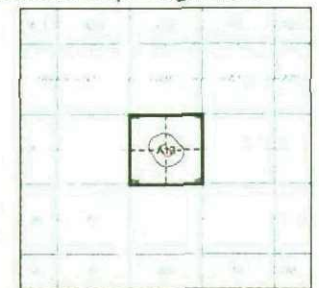
**Additional SIMs
Published 1978 - 1991
Source map scale - 1:1,250**

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)

SE 32085W	SE 32085E
1978	1978
1:1,250	1:1,250
SE 32085W	SE 32085E
1990	1990
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

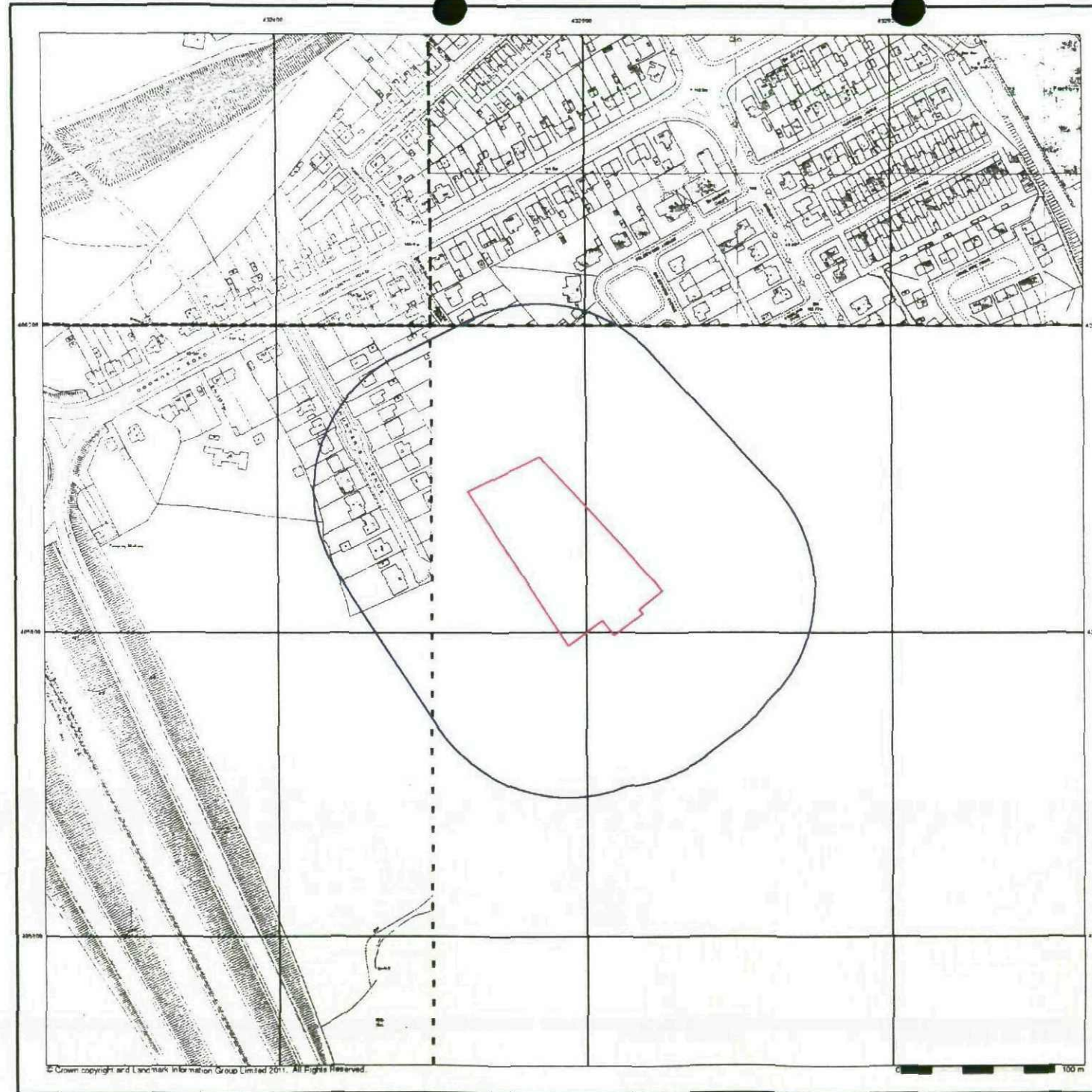
Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 100

Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



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



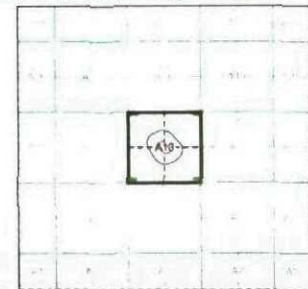
**Additional SIMs
Published 1983 - 1991
Source map scale - 1:1,250**

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)

SE 3206SW	1983	1:1,250	SE 3206SE	1991	1:1,250
SE 3206SW		1991	1:1,250		

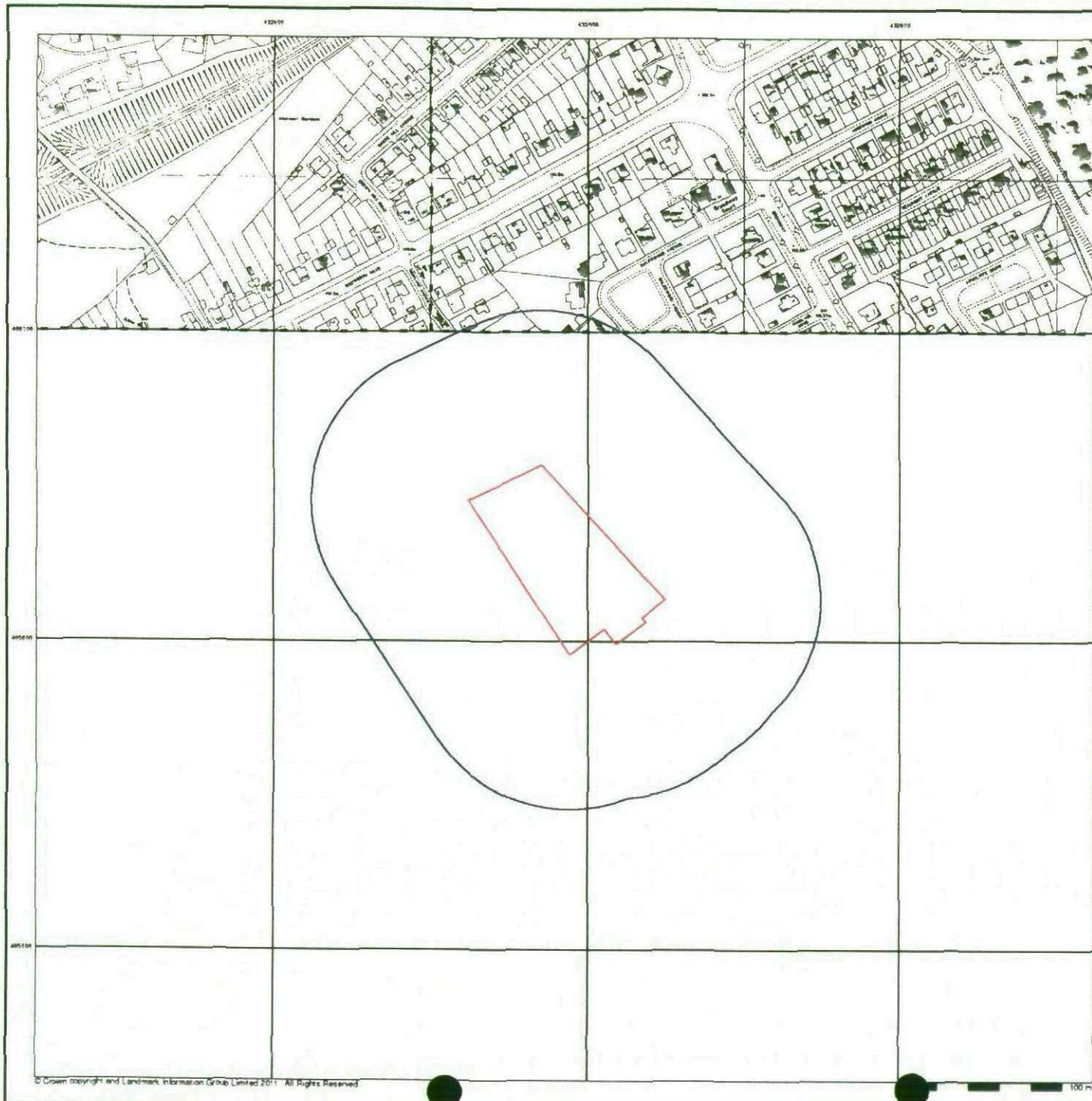
Historical Map - Segment A13



Order Details
 Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 100

Site Details
 Moorland Plastics Barnsley, Moorland Avenue, BARNSLEY,
 South Yorkshire, S70 6PQ

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



Ordnance Survey Plan

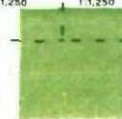
Published 1987 - 1988

Source map scale - 1:1,250

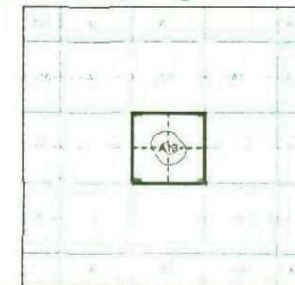
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

SE3206SW 1987 1:1,250	SE3206SE 1988 1:1,250
-----------------------------	-----------------------------



Historical Map - Segment A13



Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 100

Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



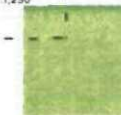
Tel: 0844 844 9882
 Fax: 0844 844 9881
 Web: www.envirocheck.co.uk

**Additional SIMs
Published 1991
Source map scale - 1:1,250**

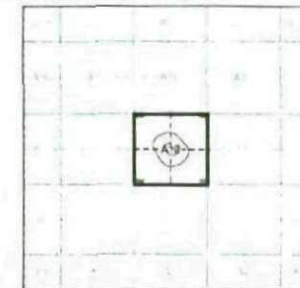
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)

SE32065W
1991
1:1,250



Historical Map - Segment A13

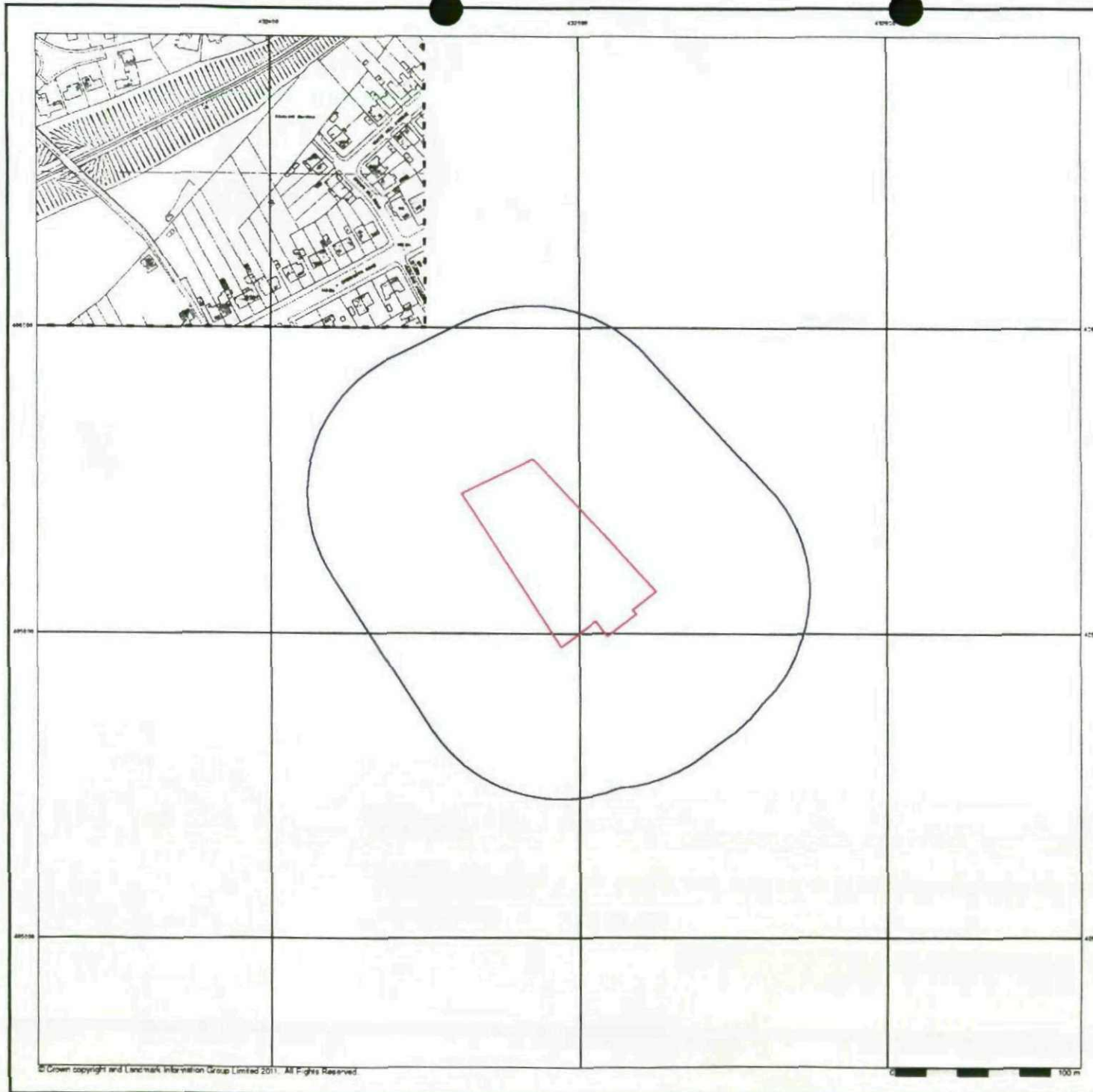


Order Details

Order Number: 36327995_1_1
Customer Ref: 34235/AS/JMW
National Grid Reference: 432590, 405850
Slice: A
Site Area (Ha): 0.74
Search Buffer (m): 100

Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNSELY,
South Yorkshire, S70 6PQ





Large-Scale National Grid Data

Published 1993

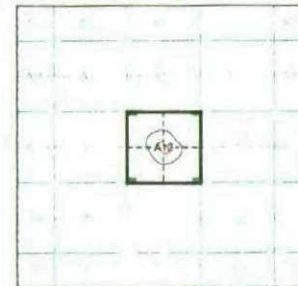
Source map scale - 1:1,250

'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)

SE 3206SW	1993	1:1,250	SE 3206SE	1993	1:1,250
SE 3206NW	1993	1:1,250	SE 3206NE	1993	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 100

Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



Tel: 0844 844 8852
 Fax: 0844 844 8951
 Web: www.envirocheck.co.uk

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

36327995_1_1

Customer Reference:

34235/AS/JMW

National Grid Reference:

432590, 405850

Slice:

A

Site Area (Ha):

0.74

Search Buffer (m):

1000

Site Details:

Moorland Plastics Barnsley

Moorland Avenue

BARNSLEY

South Yorkshire

S70 6PQ

Client Details:

Miss A Seymour

Eastwood & Partners Ltd

St Andrews House

23 Kingfield Road

Sheffield

S11 9AS

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	13
Hazardous Substances	-
Geological	19
Industrial Land Use	22
Sensitive Land Use	26
Data Currency	27
Data Suppliers	31
Useful Contacts	32

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 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 the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

Copyright Notice

© Landmark Information Group Limited 2011. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

Natural England Copyright Notice

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

Ove Arup Copyright Notice

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

Peter Brett Associates Copyright Notice

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

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and the Health Protection Agency.

Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1		21
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 6				4
Integrated Pollution Prevention And Control	pg 7				2
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 7			1	4
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 8		Yes		
Pollution Incidents to Controlled Waters	pg 8			2	11
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 10				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 10				(*6)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 12	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 12	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Waste					
BGS Recorded Landfill Sites	pg 13			1	1
Historical Landfill Sites	pg 13			3	7
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 15				1
Local Authority Recorded Landfill Sites	pg 15			2	6
Registered Landfill Sites	pg 17				4
Registered Waste Transfer Sites	pg 18				1
Registered Waste Treatment or Disposal Sites					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS Recorded Mineral Sites	pg 19			5	3
BGS 1:625,000 Solid Geology	pg 20	Yes	n/a	n/a	n/a
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 20	Yes	n/a	n/a	n/a
Mining Instability	pg 20	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 20	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 20	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 20		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 20	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 20		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 21	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 22	1	2	2	33
Fuel Station Entries	pg 25			1	2

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt	pg 26	1			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 26	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: M1 Motorway Sps, Dodworth, Bamsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wadc311 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 27th February 2003 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Brough Green Brook Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 100m</p>	A13NW (W)	246	1	432280 405860
2	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Dodworth Road Sps Dodworth Road, Dodworth, Bamsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7980 Permit Version: 1 Effective Date: 27th February 2003 Issued Date: 27th February 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Dodworth 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</p>	A8NW (S)	561	1	432440 405250
3	<p>Discharge Consents</p> <p>Operator: Mr & Mrs Sykes Property Type: Domestic Property (Single) Location: 1 Bramley Carr, Keresforth Hill, Bamsley, South Yorkshire, S70 6rx Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra8056 Permit Version: 1 Effective Date: 3rd September 2003 Issued Date: 3rd September 2003 Revocation Date: 22nd September 2003 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land 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</p>	A8NE (SE)	573	1	432900 405300
4	<p>Discharge Consents</p> <p>Operator: Danaford Ltd Property Type: Domestic Property (Single) Location: Keresforth House Dark Lane, Off Keresforth Hill Road, Bamsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3815 Permit Version: 3 Effective Date: 15th November 2006 Issued Date: 15th November 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Dodworth Dyke Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	628	1	433000 405300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: Danaford Ltd Property Type: Domestic Property (Single) Location: Keresforth House Dark Lane, Off Keresforth Hill Road, Bamsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3815 Permit Version: 2 Effective Date: 16th January 1985 Issued Date: 16th January 1985 Revocation Date: 14th November 2006 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Dodworth Dyke Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	628	1	433000 405300
4	<p>Discharge Consents</p> <p>Operator: Danaford Ltd Property Type: Domestic Property (Single) Location: Keresforth House Dark Lane, Off Keresforth Hill Road, Bamsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3815 Permit Version: 1 Effective Date: 3rd September 1984 Issued Date: 3rd September 1984 Revocation Date: 15th January 1985 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Dodworth Dyke Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	628	1	433000 405300
5	<p>Discharge Consents</p> <p>Operator: Cherry Trees Property Type: Sewage Disposal Works - Other Location: Cherry Trees, Dark Lane, Bamsley, South Yorkshire, S70 6re Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7645 Permit Version: 1 Effective Date: 20th November 2000 Issued Date: 20th November 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Dodworth 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 10m</p>	A8NE (SE)	630	1	432910 405240
5	<p>Discharge Consents</p> <p>Operator: David Farrar Property Type: Domestic Property (Single) Location: Greengates, Dark Lane, Bamsley, South Yorkshire, S70 6re Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra8313 Permit Version: 1 Effective Date: 30th March 2004 Issued Date: 30th March 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Dodworth 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</p>	A8NE (SE)	661	1	432900 405200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Mr David & Mrs Peggy A. Hudson Property Type: Domestic Property (Single) Location: Proposed Bungalow Farmhouse Lane, Pogmoor, Bamsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2118 Permit Version: 1 Effective Date: 27th July 1966 Issued Date: 27th July 1966 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Red Brook Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	659	1	432400 406550
7	<p>Discharge Consents</p> <p>Operator: Mr & Mrs Sykes Property Type: Domestic Property (Single) Location: 1 Bramley Carr, Keresforth Hill, Bamsley, South Yorkshire, S70 6rx Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra8056 Permit Version: 2 Effective Date: 23rd September 2003 Issued Date: 23rd September 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	701	1	433000 405210
8	<p>Discharge Consents</p> <p>Operator: Respite Options (Bamsley) Limited Property Type: Trade (Unknown/Other) Location: Bamsley Metropolitan Borough Council, Il Needlewood Assessment Centre, Bamsley Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5045 Permit Version: 1 Effective Date: 12th April 1988 Issued Date: 12th April 1988 Revocation Date: 9th June 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Dodworth Dike Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A8SE (S)	722	1	432800 405100
9	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Stations Location: Harden Close Sps, Harden Close, BARNSELEY, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Deame Reference: WADC203 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge: Freshwater Stream/River Environment: Receiving Water: River Deame Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	769	1	432290 406630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>Discharge Consents</p> <p>Operator: Wortley Construction Ltd Property Type: Trade (Unknown/Other) Location: Dark Lane Development, Off Keresforth Hill Road, Bamsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3630 Permit Version: 3 Effective Date: 10th October 1997 Issued Date: 10th October 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Dodworth Dyke Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	796	1	433000 405100
10	<p>Discharge Consents</p> <p>Operator: Mrs A. C. Vemon-Wentworth, C/O Nuttall & Partners Property Type: Trade (Unknown/Other) Location: Dark Lane Development, Off Keresforth Hill Road, Bamsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3630 Permit Version: 3 Effective Date: 10th October 1997 Issued Date: 10th October 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Dodworth Dyke Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	796	1	433000 405100
10	<p>Discharge Consents</p> <p>Operator: Mrs A. C. Vemon-Wentworth, C/O Nuttall & Partners Property Type: Trade (Unknown/Other) Location: Dark Lane Development, Off Keresforth Hill Road, Bamsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3630 Permit Version: 2 Effective Date: 26th April 1983 Issued Date: 26th April 1983 Revocation Date: 9th October 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Dodworth Dyke Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	796	1	433000 405100
10	<p>Discharge Consents</p> <p>Operator: Wortley Construction Ltd Property Type: Trade (Unknown/Other) Location: Dark Lane Development, Off Keresforth Hill Road, Bamsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3630 Permit Version: 2 Effective Date: 26th April 1983 Issued Date: 26th April 1983 Revocation Date: 9th October 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Dodworth Dyke Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	796	1	433000 405100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>Discharge Consents</p> <p>Operator: Mrs A. C. Vernon-Wentworth, C/O Nuttall & Partners Property Type: Trade (Unknown/Other) Location: Dark Lane Development, Off Keresforth Hill Road, Bamsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3630 Permit Version: 1 Effective Date: 29th June 1982 Issued Date: 29th June 1982 Revocation Date: 25th April 1983 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Dodworth Dyke Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	796	1	433000 405100
10	<p>Discharge Consents</p> <p>Operator: Wortley Construction Ltd Property Type: Trade (Unknown/Other) Location: Dark Lane Development, Off Keresforth Hill Road, Bamsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3630 Permit Version: 1 Effective Date: 29th June 1982 Issued Date: 29th June 1982 Revocation Date: 25th April 1983 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Dodworth Dyke Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	796	1	433000 405100
11	<p>Discharge Consents</p> <p>Operator: 46 Farmhouse Lane Property Type: Mixed Farming Location: 46 Farmhouse Lane, Pogmoor, Bamsley, South Yorkshire, S75 2th Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wr38 Permit Version: 1 Effective Date: 9th February 1966 Issued Date: 9th February 1966 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Soakaway Status: Transferred from Water Resources Act 1963 Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	856	1	432750 406750
12	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Keresforth Road Cso Land Opposite Water Royd Drive, Keresforth Road, Dodworth, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7254 Permit Version: 1 Effective Date: 2nd January 1997 Issued Date: 2nd January 1997 Revocation Date: 30th March 2004 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Dodworth Dyke Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	927	1	432300 404910

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Keresforth Road Cso Land Opposite Water Royd Drive, Keresforth Road, Dodworth, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7254 Permit Version: 2 Effective Date: 31st March 2004 Issued Date: 3rd February 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Dodworth Dyke Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	946	1	432300 404890
13	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Harden Close Pumping Station Pogmoor, Barnsley, South Yorkshire, England Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7686 Permit Version: 1 Effective Date: 6th March 2001 Issued Date: 6th March 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Red Brook Status: New consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A17NE (NW)	958	1	432140 406770
14	<p>Integrated Pollution Controls</p> <p>Name: Royston Lead Ltd Location: Pogmoor Works, Stocks Lane, BARNSELY, South Yorkshire, S75 2DS Authority: Environment Agency, North East Region Permit Reference: B15710 Dated: 30th May 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.2 A (E) Non-ferrous Metal processes within the Metal Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address</p>	A19NE (NE)	979	1	433294 406573
14	<p>Integrated Pollution Controls</p> <p>Name: Royston Lead Ltd Location: Pogmoor Works, Stocks Lane, BARNSELY, South Yorkshire, S75 2DS Authority: Environment Agency, North East Region Permit Reference: BB9539 Dated: 30th October 1998 Process Type: IPC new application Description: 2.2 A (E) Non-ferrous Metal processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address</p>	A19NE (NE)	979	1	433299 406568
14	<p>Integrated Pollution Controls</p> <p>Name: Royston Lead Location: Pogmoor Works, Stocks Lane, BARNSELY, South Yorkshire, S75 2DS Authority: Environment Agency, North East Region Permit Reference: AN6671 Dated: 27th June 1994 Process Type: Application since found to be exempt from IPC Description: 4.1 A (B) Petrochemical processes within the Chemical Industry Status: Application since found to be exempt from IPCExempt Positional Accuracy: Automatically positioned to the address</p>	A19NE (NE)	979	1	433294 406573
14	<p>Integrated Pollution Controls</p> <p>Name: Royston Lead Ltd Location: Pogmoor Works, Stocks Lane, BARNSELY, South Yorkshire, S75 2DS Authority: Environment Agency, North East Region Permit Reference: BE6064 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.2 A (E) Non-ferrous Metal processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address</p>	A19NE (NE)	983	1	433299 406573

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p>Integrated Pollution Prevention And Control</p> <p>Name: Royston Lead Limited Location: Royston Lead Ltd, Pogmoor Works, Stocks Lane,, BARNLEY, South Yorkshire, S75 2DS Authority: Environment Agency, North East Region Permit Reference: PP3838GZ Original Permit Ref: Bk6408ig Effective Date: 21st September 2009 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 2.2 A(1) (A) Activity Description: Non-Ferrous Metals; Producing From Raw Materials By Metallurgical Activities Etc Primary Activity: N Activity Code: 2.2 A(1) (D) (I) Activity Description: Non-Ferrous Metals; Producing Etc Lead And Alloys With Release To Air Primary Activity: Y Activity Code: 2.2 A(1) (D) (II) Activity Description: Non-Ferrous Metals; Producing Etc Lead And Alloys Greater Than 23 Percent Lead (With Copper) Or 2 Percent Lead (Without) Primary Activity: N</p>	A19NE (NE)	979	1	433294 406573
15	<p>Integrated Pollution Prevention And Control</p> <p>Name: Royston Lead Limited Location: Royston Lead Ltd, Pogmoor Works, Stocks Lane, Bamsley, South Yorkshire, S75 2DS Authority: Environment Agency, North East Region Permit Reference: Bk6408ig Original Permit Ref: Bk6408ig Effective Date: 28th March 2002 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 2.2 A(1) (A) Activity Description: Non-Ferrous Metals; Producing From Raw Materials By Metallurgical Activities Etc Primary Activity: N Activity Code: 2.2 A(1) (D) (I) Activity Description: Non-Ferrous Metals; Producing Etc Lead And Alloys With Release To Air Primary Activity: Y Activity Code: 2.2 A(1) (D) (II) Activity Description: Non-Ferrous Metals; Producing Etc Lead And Alloys Greater Than 23 Percent Lead (With Copper) Or 2 Percent Lead (Without) Primary Activity: N</p>	A19NE (NE)	979	1	433294 406573
16	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Shell Bamsley Motorway Location: Dodworth Road, Bamsley, S70 6PD Authority: Bamsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/99 Dated: 17th June 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Site Closed Positional Accuracy: Located by supplier to within 10m</p>	A18SE (NE)	424	2	432853 406229
17	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Polar Motor Co Ltd Location: Dodworth Road, BARNLEY, South Yorkshire, S70 6PA Authority: Bamsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Ppc/B/37 Dated: 28th September 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Site Closed Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	717	2	433107 406389
18	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: S J Autowelding Location: West Road, Pogmoor, BARNLEY, S75 2DH Authority: Bamsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Ppc/B/09 Dated: 3rd November 1997 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	803	2	433063 406548

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Local Authority Pollution Prevention and Controls Name: Intake 1 Service Station Location: Pogmoor Road, BARNSELEY, South Yorkshire, S75 2DZ Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/65 Dated: 24th May 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A18NE (N)	824	2	432897 406670
19	Local Authority Pollution Prevention and Controls Name: Crows Garage Location: Pogmoor Road, Pogmoor, BARNSELEY, S75 2DZ Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Ppc/B/06 Dated: 6th October 1994 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Manually positioned to the address or location	A18NE (N)	825	2	432896 406672
	Nearest Surface Water Feature	A13SW (S)	155	-	432525 405650
20	Pollution Incidents to Controlled Waters Property Type: Highway/Car Park Location: Markers Bridge B6273, /Darfid A635 Deame 08 Authority: Environment Agency, North East Region Pollutant: Chemicals - Other Inorganic Note: Not Supplied Incident Date: 9th November 1990 Incident Reference: 116600 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	A12SE (W)	337	1	432200 405800
21	Pollution Incidents to Controlled Waters Property Type: Textile industry Location: Rear Of, Polar Motors On A628, Dodworth Road Authority: Environment Agency, North East Region Pollutant: Oils - Gas Oil Note: No Pollution Found; No Fish Killed Incident Date: 8th July 1996 Incident Reference: SH960458 Catchment Area: Deame Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	369	1	432900 406100
22	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: West Road, Old Sough Culvert, BARNSELEY Authority: Environment Agency, North East Region Pollutant: Chemicals - Deicing Compounds Note: No Pollution Found; No Fish Killed Incident Date: 8th August 1996 Incident Reference: SH960354 Catchment Area: Deame Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (NE)	762	1	432900 406600
23	Pollution Incidents to Controlled Waters Property Type: Engineering Location: Dodworth Industrial Estate Authority: Environment Agency, North East Region Pollutant: Oils - Other Oil Note: Pollution Found; No Fish Killed Incident Date: 26th April 1996 Incident Reference: SH960237 Catchment Area: Deame Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	797	1	431750 405700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Pollution Incidents to Controlled Waters Property Type: Engineering Location: Dodworth Industrial Estate, DODWORTH Authority: Environment Agency, North East Region Pollutant: Oils - Other Oil Note: No Fish Killed Incident Date: 26th April 1996 Incident Reference: SH960237 Catchment Area: Deame Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	799	1	431750 405695
24	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Keresforth Hall Road Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 8th March 1989 Incident Reference: 6805 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	A8SE (S)	898	1	432700 404900
25	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Darfield/Source Dove(S) Afu Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 22nd April 1994 Incident Reference: 150731 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)	911	1	432400 404900
25	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Darfield/Source Dove(S) Afu Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 22nd April 1994 Incident Reference: 150754 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)	916	1	432400 404895
26	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Darfield/Source Dove(S) Afu Authority: Environment Agency, North East Region Pollutant: Foam/Soap Suds Note: Not Supplied Incident Date: 21st August 1994 Incident Reference: 153418 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	A18NW (N)	927	1	432300 406800
27	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Darfield/Source Dove(S) Afu Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 13th December 1993 Incident Reference: 148976 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	A7NW (SW)	929	1	431800 405300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Pollution Incidents to Controlled Waters Property Type: Fire Water Location: Jermyn Croft, Off Dodworth High Steet Near, BARNSELEY Authority: Environment Agency, North East Region Pollutant: Oils - Gas Oil Note: No Fish Killed Incident Date: 23rd May 1997 Incident Reference: SH970255 Catchment Area: Deame Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	932	1	431800 405295
28	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Footbridge/Footbridge Deame 18 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 25th January 1992 Incident Reference: 130006 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 (N)	961	1	432200 406800
29	Pollution Incidents to Controlled Waters Property Type: Surface Water Sewers Location: Markers Bridge B6273, /Darfid A635 Deame 08 Authority: Environment Agency, North East Region Pollutant: Blood And Offal Note: Not Supplied Incident Date: 15th March 1991 Incident Reference: 120573 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	A3NW (S)	995	1	432500 404800
	River Quality Name: Dodworth_Dyke GQA Grade: River Quality D Reach: Dodworth_House_Carr_Dyk Estimated Distance (km): 2.7 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A7SE (SW)	876	1	432063 405083
	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	A15NW (E)	1065	1	433700 406000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Sheildale 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, Bamsley, 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	A15NW (E)	1065	1	433700 406000
	Water Abstractions Operator: Sheildale Developments Ltd Licence Number: 2/27/08/133 Permit Version: 1 Location: Spring - Sandstone&Middle Coal Measures - Bamsley 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, Bamsley, 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	A15NW (E)	1076	1	433700 406060
	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	A15NW (E)	1085	1	433700 406100
	Water Abstractions Operator: Bamsley District Council Licence Number: 2/27/08/060 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Glasshouse Irrigation Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 23 Yearly Rate (m3): 3410 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	A10NW (SE)	1266	1	433800 405300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: The Coal Authority Licence Number: 2/27/08/145 Permit Version: 1 Location: Silkstone Mineshaft-Coal Measures-Straffordcolliery-Barnsley Authority: Environment Agency, North East Region Abstraction: Environmental: Pump & Treat: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Former Strafford Colliery Site, Barnsley Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 17th December 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1687	1	432200 404150
	Groundwater Vulnerability Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13SW (S)	0	1	432576 405798
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13NW (W)	0	1	432585 405852
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (W)	0	3	432585 405852
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	BGS Recorded Landfill Sites Site Name: Disused Quarry Location: Dodworth Rd, 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: Manually positioned to the address or location Boundary Accuracy: Derived	A13NE (NE)	372	3	432913 406090
31	BGS Recorded Landfill Sites Site Name: Jermyn Croft Location: Dodworth, 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: Moderate	A7NW (SW)	840	3	431779 405502
32	Historical Landfill Sites Licence Holder: Not Supplied Location: Dodworth Road, Bamsley, Yorkshire Name: Disused Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD31670 First Input Date: 31st December 1968 Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 1892 Other Ref: Not Supplied	A13NE (NE)	344	1	432912 406049
33	Historical Landfill Sites Licence Holder: Bamsley Metropolitan Borough Council Location: Dodworth Road, Bamsley Name: S.R. Gents Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04326 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0533 BGS Ref: Not Supplied Other Ref: 4400/(131)	A13NE (NE)	362	1	432877 406114
34	Historical Landfill Sites Licence Holder: Mr J Clayton Location: Oakworth, Keighley Name: Quarry at Higher Spring Head Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04324 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0532 BGS Ref: Not Supplied Other Ref: 671, 4400/(130)	A18SE (N)	452	1	432736 406334

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	Historical Landfill Sites Licence Holder: Not Supplied Location: Pogmoor Road, Bamsley Name: Recreation Ground Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04325 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0536 BGS Ref: Not Supplied Other Ref: 4400/(134)	A18SE (N)	596	1	432811 406459
36	Historical Landfill Sites Licence Holder: Polar Motors Location: Pogmoor Name: Land North of Dodworth Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04327 First Input Date: 1st February 1992 Last Input Date: 31st December 1992 Specified Waste: Not Supplied Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 4400/(139)	A19SW (NE)	693	1	433041 406422
37	Historical Landfill Sites Licence Holder: A F Budge Location: Pogmoor, Bamsley Name: West Road Operator Location: Public Services Department, Central Services Department, Kendray Street, Bamsley Boundary Accuracy: As Supplied Provider Reference: EAHLD04328 First Input Date: 15th July 1987 Last Input Date: 31st December 1987 Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0566 BGS Ref: Not Supplied Other Ref: WD2 B19, 20B572(57), WD20 B572, 4400/B572, 4400/0459	A19SW (NE)	783	1	433134 406457
38	Historical Landfill Sites Licence Holder: Co-op Retail Services Limited, Yorkshire Region Location: Stocks Lane, Bamsley, South Yorkshire Name: Land West of Summer Lane Dairy Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04329 First Input Date: 30th November 1982 Last Input Date: 3rd June 1988 Specified Waste: Deposited Waste included Inert, Industrial and Commercial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0463 BGS Ref: Not Supplied Other Ref: 20B38(61), 4400/B19, 4400/B38, WD20 B38	A19SW (NE)	808	1	433170 406455

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	Historical Landfill Sites Licence Holder: A Monk, Civil Engineering Limited Location: Sports Ground, Dodworth, Bamsley Name: Dodworth Miners Welfare Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL04321 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0515 BGS Ref: Not Supplied Other Ref: WD20 B789, 20B789(113), 4400/B789	A7NW (SW)	813	1	431820 405484
40	Historical Landfill Sites Licence Holder: Not Supplied Location: Pogmoor Name: Allotment Gardens Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL04330 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 4400/B197	A19NW (NE)	831	1	433083 406568
41	Historical Landfill Sites Licence Holder: Not Supplied Location: Dodworth, Bamsley Name: Jermyn Croft Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL031759 First Input Date: 31st December 1955 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Commercial and Household Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 2880 Other Ref: Not Supplied	A7NW (SW)	840	1	431779 405502
42	Licensed Waste Management Facilities (Locations) Licence Number: 60564 Location: Haulage Yard, Off West Road, Pogmoor, Bamsley, South Yorkshire, S75 2DH Operator Name: Lycett D Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Issued Issued: 13th April 1987 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	802	1	433077 406535
	Local Authority Landfill Coverage Name: Bamsley Metropolitan Borough Council - Has supplied landfill data		0	2	432585 405852
43	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 131 Authority: Bamsley 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	A13NE (NE)	347	2	432880 406089

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Not Supplied Reference: 130 Authority: Bamsley Metropolitan Borough Council, Environmental Health and Trading Standards</p> <p>Last Reported Status: Unknown</p> <p>Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate</p>	A18SE (N)	386	2	432733 406264
45	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Not Supplied Reference: 134 Authority: Bamsley Metropolitan Borough Council, Environmental Health and Trading Standards</p> <p>Last Reported Status: Unknown</p> <p>Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate</p>	A18SE (N)	579	2	432797 406446
46	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Not Supplied Reference: 57 Authority: Bamsley Metropolitan Borough Council, Environmental Health and Trading Standards</p> <p>Last Reported Status: Unknown</p> <p>Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate</p>	A19SW (NE)	670	2	433001 406426
47	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Not Supplied Reference: 61 Authority: Bamsley Metropolitan Borough Council, Environmental Health and Trading Standards</p> <p>Last Reported Status: Unknown</p> <p>Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate</p>	A19SW (NE)	760	2	433104 406455
48	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Not Supplied Reference: 113 Authority: Bamsley Metropolitan Borough Council, Environmental Health and Trading Standards</p> <p>Last Reported Status: Unknown</p> <p>Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate</p>	A7NW (SW)	792	2	431831 405508
49	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Not Supplied Reference: 44 Authority: Bamsley Metropolitan Borough Council, Environmental Health and Trading Standards</p> <p>Last Reported Status: Unknown</p> <p>Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate</p>	A19NW (NE)	847	2	433109 406567
50	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Not Supplied Reference: 139 Authority: Bamsley Metropolitan Borough Council, Environmental Health and Trading Standards</p> <p>Last Reported Status: Unknown</p> <p>Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Unknown Boundary Quality: Not Applicable</p>	A19SW (NE)	861	2	433200 406500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	<p>Registered Landfill Sites</p> <p>Licence Holder: A Monk - Civil Engineering Ltd Licence Reference: WD20 B 789 Site Location: Dodworth Miners Welfare, Sports Ground, Dodworth, Barnsley, South Yorkshire</p> <p>Licence Easting: 431800 Licence Northing: 405450 Operator Location: 42 High Street, Boston Spa, WETHERBY, West Yorkshire, LS23 6EA 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 August 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 Soil & Subsoil Prohibited Waste: All Forms Of Asbestos Hazardous Wastes Liquid/Slurry In Drums/Cont'Rs > 4 L Paper/Cardboard Plasterboard Plastic Wood</p>	A7NW (SW)	848	1	431800 405450
52	<p>Registered Landfill Sites</p> <p>Licence Holder: A F Budge (Contractors) Ltd Licence Reference: WD20 B 572 (WD2 B19) Site Location: West Road, Pogmoor, Barnsley, South Yorkshire</p> <p>Licence Easting: 433200 Licence Northing: 406500 Operator Location: West Carr Road, RETFORD, Nottinghamshire, DN22 7SW 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 1987 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: Clean Demol.Rubble Clean Excavation Spoil/Subsoil Rock, Stone, Concrete Prohibited Waste: Asbestos Paper Plastic Wood</p>	A19SW (NE)	861	1	433200 406500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	<p>Registered Landfill Sites</p> <p>Licence Holder: Bamsley M.B.C. Licence Reference: WD 2 B19 Site Location: West Road, Pogmoor, Bamsley, South Yorkshire Licence Easting: 433200 Licence Northing: 406500 Operator Location: Central Offices, Kendray Street, Bamsley, South Yorkshire 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 July 1987 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: Clean Demol. Rubble Incl. Clean Excavated Spoil & Subsoil Rock, Stone, Concrete Prohibited Waste: Asbestos Paper Plastic Wood</p>	A19SW (NE)	861	1	433200 406500
53	<p>Registered Landfill Sites</p> <p>Licence Holder: C.R.S. Ltd Yorkshire Reg Licence Reference: WD20 B 38 Site Location: Summer Lane Dairy, Stocks Lane, Bamsley, South Yorkshire Licence Easting: 433300 Licence Northing: 406500 Operator Location: Wellington Street, BARNSLEY, South Yorkshire, S70 1SP 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 July 1983 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 \$ Incinerator Residues Prohibited Waste: Liquids In Containers Over 4l Cap. Slurry In Containers Over 4l Cap.</p>	A19SE (NE)	934	1	433300 406500
54	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: D Lycett Licence Reference: WD20 B 554 MOD 3 Site Location: Haulage Yard Off West Road, Pogmoor, Bamsley, South Yorkshire Operator Location: 2 Intake Gardens, BARNSLEY, South Yorkshire, S75 2HN 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: Operational as far as is knownOperational Dated: 1st April 1987 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Commercial Waste Construction And Demolition Wastes Excavation Waste/Soil/Subsoil Max.Storage Permitted By Licence Max.Waste Permitted By Licence Packaging/Paper Etc. Solid Ind. Non-Haz. Waste Prohibited Waste: Poisonous, Noxious, Polluting Wastes</p>	A19SW (NE)	754	1	433100 406450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	BGS Recorded Mineral Sites Site Name: Dodworth Location: Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37874 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NE (W)	390	3	432136 405858
56	BGS Recorded Mineral Sites Site Name: Dodworth Road Location: Dodworth Road, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13308 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	441	3	433000 406095
56	BGS Recorded Mineral Sites Site Name: Dodworth Road Location: Dodworth Road, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13308 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	441	3	433000 406095
57	BGS Recorded Mineral Sites Site Name: Dodworth Road Location: Dodworth Road, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13307 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	465	3	432805 406315
58	BGS Recorded Mineral Sites Site Name: Dodworth Road Location: Dodworth Road, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37853 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	492	3	432907 406272
59	BGS Recorded Mineral Sites Site Name: Keresford House Location: Keresforth Hill, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37872 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	526	3	433095 405548

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	BGS Recorded Mineral Sites Site Name: Stocks Lane Location: Stocks Lane, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13306 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	932	3	433195 406605
61	BGS Recorded Mineral Sites Site Name: Dodworth Bottom Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37875 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	946	3	432555 404846
	BGS 1:625,000 Solid Geology Description: Lower Westphalian (mainly Productive Coal Measures)	A13NW (W)	0	3	432585 405852
	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 (W)	0	4	432585 405852
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (W)	0	-	432585 405852
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	432585 405852
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	432585 405852
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	432585 405852
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	86	3	432658 405722
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	152	3	432410 405768
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	234	3	432807 405852
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	432585 405852
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	40	3	432560 405762
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	432585 405852

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	86	3	432658 405722
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	152	3	432410 405768
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	234	3	432807 405652
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	432585 405852
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	432585 405852
	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 (W)	0	3	432585 405852

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	Contemporary Trade Directory Entries Name: Moorland Plastics Location: Moorland Avenue, Bamsley, South Yorkshire, S70 6PQ Classification: Plastics - Injection Moulding Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	0	-	432625 405808
63	Contemporary Trade Directory Entries Name: Kv Services Pest Control (Barnsley) Location: 67, Broadway, BARNSELEY, South Yorkshire, S70 6QJ Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	189	-	432830 405883
64	Contemporary Trade Directory Entries Name: Wincanton Location: Broadway, Bamsley, South Yorkshire, S70 6RA Classification: Distribution Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	197	-	432780 405976
65	Contemporary Trade Directory Entries Name: S R Gent (International) Ltd Location: Dodworth Road, Bamsley, South Yorkshire, S70 6JE Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	418	-	432910 406161
66	Contemporary Trade Directory Entries Name: Shell Location: Dodworth Rd, Bamsley, South Yorkshire, S70 6JE Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	420	-	432847 406230
67	Contemporary Trade Directory Entries Name: Birchfield Pest Management Location: 2, Birchfield Crescent, Dodworth, Bamsley, South Yorkshire, S75 3NZ Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	583	-	432059 405537
68	Contemporary Trade Directory Entries Name: Mdo Services Location: 16, Keresforth Court, BARNSELEY, South Yorkshire, S70 6RT Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	633	-	433237 405591
68	Contemporary Trade Directory Entries Name: Mdo Cleaning Services Location: 16, Keresforth Court, Bamsley, South Yorkshire, S70 6RT Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	633	-	433237 405591
69	Contemporary Trade Directory Entries Name: Bamsley Community & Priority Services Nhs Trust Location: 7, Keresforth Close, Bamsley, South Yorkshire, S70 6RS Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	667	-	433284 405622
70	Contemporary Trade Directory Entries Name: Polar Van Centre Location: Dodworth Road, Bamsley, South Yorkshire, S70 6PA Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	717	-	433107 406389
70	Contemporary Trade Directory Entries Name: Rapid Fit Location: Dodworth Road, Bamsley, South Yorkshire, S70 6PA Classification: Exhaust & Shock Absorber Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	717	-	433107 406389
71	Contemporary Trade Directory Entries Name: Beaumont Commercials Location: 221, Dodworth Road, Bamsley, South Yorkshire, S70 6HT Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	720	-	433143 406354

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	Contemporary Trade Directory Entries Name: R G Plumbing & Heating Location: 73, South Road, Dodworth, Barnsley, South Yorkshire, S75 3LQ Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	729	-	431936 405458
73	Contemporary Trade Directory Entries Name: Alan Lodge Location: 95, Pogmoor Road, Barnsley, South Yorkshire, S75 2LP Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	739	-	432717 406638
74	Contemporary Trade Directory Entries Name: Discontinued Bathrooms Location: 140, Pogmoor Road, Barnsley, South Yorkshire, S75 2DX Classification: Bath Resurfacing Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	749	-	432841 406613
74	Contemporary Trade Directory Entries Name: Haydon Print Solutions Ltd Location: Media House Glendale Cl, Barnsley, South Yorkshire, S75 2DU Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	750	-	432866 406603
75	Contemporary Trade Directory Entries Name: S.E. Gas Services Location: 15, Grosvenor Drive, BARNSELEY, South Yorkshire, S70 6HU Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	756	-	433259 406275
76	Contemporary Trade Directory Entries Name: Mr Shift-It Location: 24, Queens Drive, Dodworth, Barnsley, South Yorkshire, S75 3LW Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	779	-	431964 405326
77	Contemporary Trade Directory Entries Name: David Warsop & Co Location: West Road, BARNSELEY, South Yorkshire, S75 2DH Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	792	-	433038 406553
77	Contemporary Trade Directory Entries Name: Hiltons Electrical Services Ltd Location: West Road, Barnsley, South Yorkshire, S75 2DH Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	806	-	433079 406538
77	Contemporary Trade Directory Entries Name: Sw Transport Location: West Rd, Barnsley, South Yorkshire, S75 2DH Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	818	-	433058 406570
78	Contemporary Trade Directory Entries Name: Pauls Autos Ltd Location: West Road, Barnsley, South Yorkshire, S75 2DH Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	806	-	433129 406494
79	Contemporary Trade Directory Entries Name: Keresforth Centre Location: Keresforth Court, BARNSELEY, South Yorkshire, S70 6RT Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	810	-	433430 405609
80	Contemporary Trade Directory Entries Name: Intake 1 Filling Station Location: Pogmoor Road, Barnsley, South Yorkshire, S75 2DZ Classification: Petrol Filling Stations - 24 Hour Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	824	-	432897 406670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	Contemporary Trade Directory Entries Name: Crows Garage Location: Greaves Fold, Bamsley, South Yorkshire, S75 2EA Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	853	-	432882 406707
81	Contemporary Trade Directory Entries Name: Garage R Location: West Rd, Bamsley, South Yorkshire, S75 2DR Classification: Garage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	841	-	432986 406645
82	Contemporary Trade Directory Entries Name: M A Midgley Location: 61, Rose Hill Drive, Dodworth, Bamsley, South Yorkshire, S75 3LY Classification: Refrigerators & Freezers - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	865	-	431879 405297
83	Contemporary Trade Directory Entries Name: Pat King Location: 1 Jacksons Yard, Dodworth Rd, Bamsley, South Yorkshire, S70 6DZ Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	894	-	433421 406278
84	Contemporary Trade Directory Entries Name: Birchfield Supplies Location: 20, Orchard Croft, Dodworth, Bamsley, South Yorkshire, S75 3QY Classification: Insulation Materials Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	897	-	432349 404927
85	Contemporary Trade Directory Entries Name: B & B Trucks Location: Higham Lane, Dodworth, BARNSELY, South Yorkshire, S75 3LA Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	914	-	431639 405667
86	Contemporary Trade Directory Entries Name: Rope Systems Ltd Location: Gable End, Keresforth Road, Dodworth, Bamsley, South Yorkshire, S75 3NX Classification: Wire Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	951	-	432577 404840
86	Contemporary Trade Directory Entries Name: Vic Cross Location: Laurel Dene, Keresforth Road, Dodworth, Bamsley, South Yorkshire, S75 3NX Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NW (S)	953	-	432554 404839
87	Contemporary Trade Directory Entries Name: Easy Life Mobility Location: 62, Winter Road, Bamsley, South Yorkshire, S75 2EL Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	971	-	433159 406685
88	Contemporary Trade Directory Entries Name: Marks Pet & Farm Feeds Location: Maple Estate, Stocks La, Bamsley, South Yorkshire, S75 2BL Classification: Pet Foods & Animal Feeds Status: Active Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	973	-	433383 406466
89	Contemporary Trade Directory Entries Name: Royston Lead Ltd Location: Pogmoor Works, Stocks Lane, Bamsley, South Yorkshire, S75 2DS Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A19NE (NE)	979	-	433294 406573
89	Contemporary Trade Directory Entries Name: James Town Location: Pogmoor Works, Stocks Lane, Bamsley, South Yorkshire, S75 2DS Classification: Metal Workers Status: Active Positional Accuracy: Automatically positioned to the address	A19NE (NE)	979	-	433294 406573

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	Contemporary Trade Directory Entries Name: Kenny'S Kleening Location: 4, Porter Terrace, Bamsley, South Yorkshire, S75 2HG Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (N)	988	-	432965 406820
91	Contemporary Trade Directory Entries Name: Foiled Again Location: 1, The Link, Dodworth, Bamsley, South Yorkshire, S75 3QG Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	996	-	432252 404854
92	Fuel Station Entries Name: Shell Bamsley Location: Dodworth Road, Bamsley, South Yorkshire, S70 6DY Brand: SHELL Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	420	-	432847 406230
93	Fuel Station Entries Name: Polar Motor Company Ltd Location: Dodworth Road, BARNLSLEY, South Yorkshire, S70 6PA Brand: OBSOLETE Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Approximate location provided by supplier	A19SW (NE)	673	-	433153 406273
94	Fuel Station Entries Name: Jet Intake 1 Location: 1, Pogmoor Road, Bamsley, South Yorkshire, S75 2EW Brand: JET Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A18NE (N)	825	-	432896 406671

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	Areas of Adopted Green Belt Authority: Bamsley Metropolitan Borough Council, Planning Department Plan Name: Bamsley Unitary Development Plan Status: Adopted Plan Date: 31st December 2000	A13SW (SW)	0	5	432558 405836
96	Nitrate Vulnerable Zones Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13NW (W)	0	6	432585 405852

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 2011 September 2011	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North East Region	July 2011	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	September 2011	Quarterly
Integrated Pollution Controls Environment Agency - North East Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - North East Region	July 2011	Quarterly
Local Authority Integrated Pollution Prevention And Control Wakefield City Metropolitan District Council - Environmental Health Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	August 2010 January 2011	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Wakefield City Metropolitan District Council - Environmental Health Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	August 2010 January 2011	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Wakefield City Metropolitan District Council - Environmental Health Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	August 2010 January 2011	Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	March 2011	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North East Region	July 2011	Monthly
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	July 2011	Monthly
Registered Radioactive Substances Environment Agency - North East Region	July 2011	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	January 2011	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	January 2011	Annually
Substantiated Pollution Incident Register Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	July 2011 July 2011	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	July 2011	Quarterly
Water Industry Act Referrals Environment Agency - North East Region	April 2011	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	September 2011	Annually
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	September 2011	Annually

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Environment Agency - Head Office	July 2011	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2011	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2011	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2011	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2011	Quarterly
Flood Defences Environment Agency - Head Office	August 2011	Quarterly
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	July 2011 July 2011	Quarterly 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 2011 July 2011	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	April 2011 April 2011	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	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	November 2010	Bi-Annually
Explosive Sites Health and Safety Executive	January 2011	Bi-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	March 2011 November 2010	Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Wakefield City Metropolitan District Council Barnsley Metropolitan Borough Council - Planning Department	March 2011 November 2010	Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2011	Bi-Annually
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	November 2002	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	August 2011	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	May 2011	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2011	Quarterly

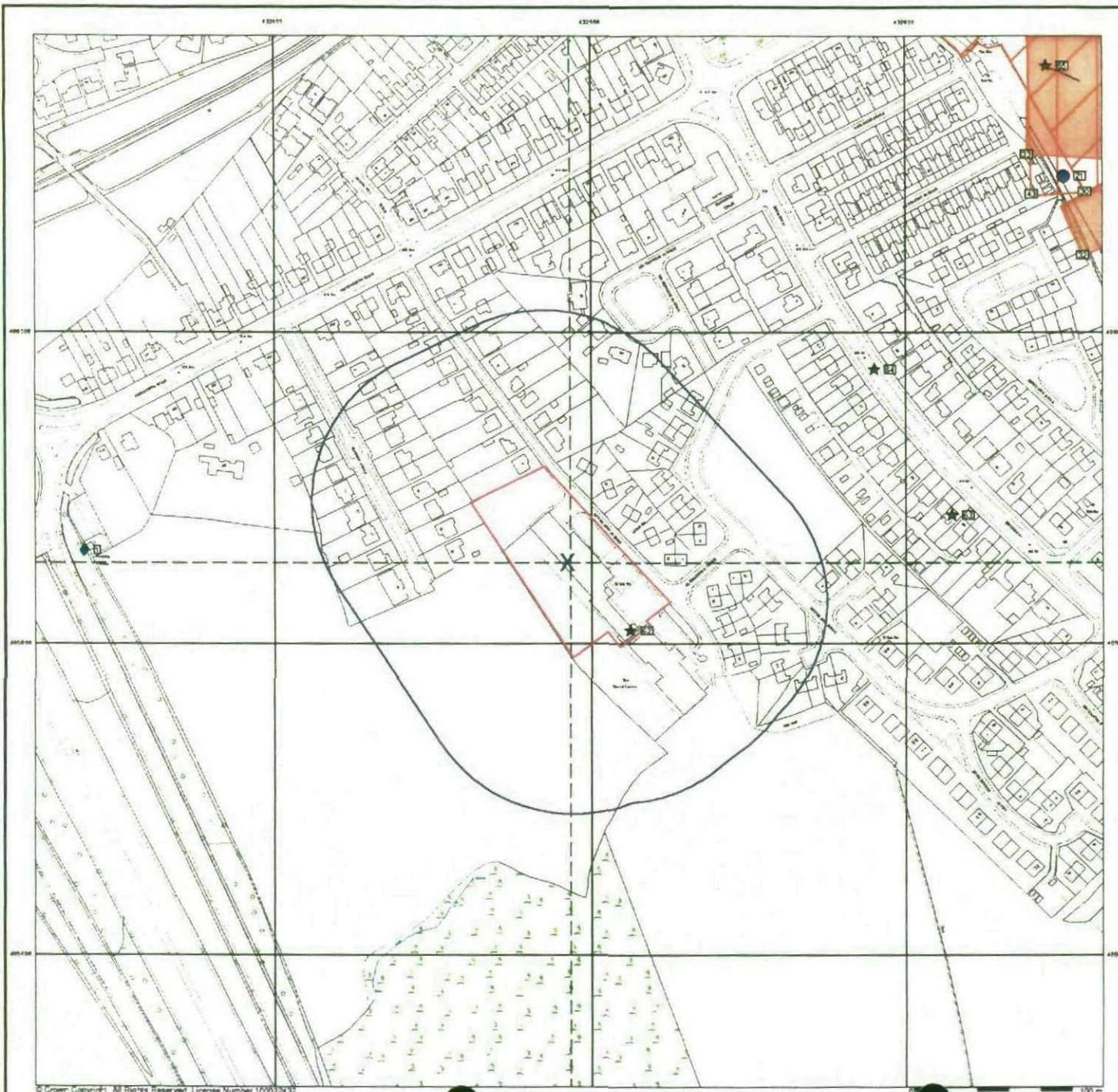
Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Wakefield City Metropolitan District Council	May 2011 May 2011	As notified As notified
Areas of Unadopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Wakefield City Metropolitan District Council	May 2011 May 2011	As notified As notified
Areas of Outstanding Natural Beauty Natural England	September 2011	Bi-Annually
Environmentally Sensitive Areas Natural England	September 2011	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2011	Bi-Annually
Marine Nature Reserves Natural England	September 2011	Bi-Annually
National Nature Reserves Natural England	September 2011	Bi-Annually
National Parks Natural England	September 2011	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	March 2003	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2011	Annually
Ramsar Sites Natural England	September 2011	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2011	Bi-Annually
Special Areas of Conservation Natural England	September 2011	Bi-Annually
Special Protection Areas Natural England	April 2011	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 <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Countryside Council for Wales	 CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

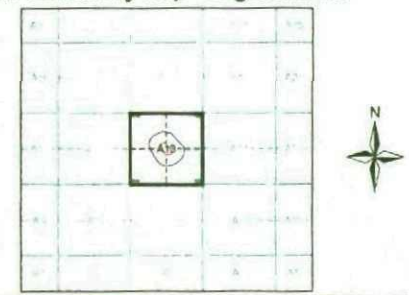
Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
3	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
5	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
6	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
-	Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



- General**
- Specified Site
 - Specified Buffer(s)
 - ✕ Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Current)
 - Contaminated Land Register Entry or Notice
 - ▲ Discharge Consent
 - ▲ Enforcement or Prohibition Notice
 - ▲ Integrated Pollution Control
 - ▲ Integrated Pollution Prevention Control
 - ▲ Local Authority Integrated Pollution Prevention and Control
 - ▲ Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - ▼ Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - ▲ Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Receptor
 - Water Abstraction
 - ◆ Water Industry Act Referral
- Waste**
- ▼ BOS Recorded Landfill Site (Location)
 - ▲ BOS Recorded Landfill Site
 - ▲ EA Historic Landfill (Buffered Area)
 - ▲ EA Historic Landfill (Nuisance)
 - ▲ Integrated Pollution Control Registered Waste Site
 - ▲ Licensed Waste Management Facility (Landfill Receptor)
 - ▲ Licensed Waste Management Facility (Location)
 - ▲ Local Authority Recorded Landfill Site (Location)
 - ▲ Local Authority Recorded Landfill Site
 - ▲ Registered Landfill Site
 - ▲ Registered Landfill Site (Location)
 - ▲ Registered Landfill Site (Pole buffered to 100m)
 - ▲ Registered Landfill Site (Pole buffered to 300m)
 - ▲ Registered Waste Transfer Site (Location)
 - ▲ Registered Waste Transfer Site
 - ▲ Registered Waste Treatment or Disposal Site (Location)
 - ▲ Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- ◆ COMAH Site
 - ◆ Explosive Site
 - ◆ HAZOP Site
 - ◆ Planning Hazardous Substance Consent
 - ◆ Planning Hazardous Substance Enforcement
- Geological**
- ▼ BOS Recorded Mineral Site
- Industrial Land Use**
- ★ Contemporary Trade Directory Entry
 - ★ Fuel Station Entry

Site Sensitivity Map - Segment A13

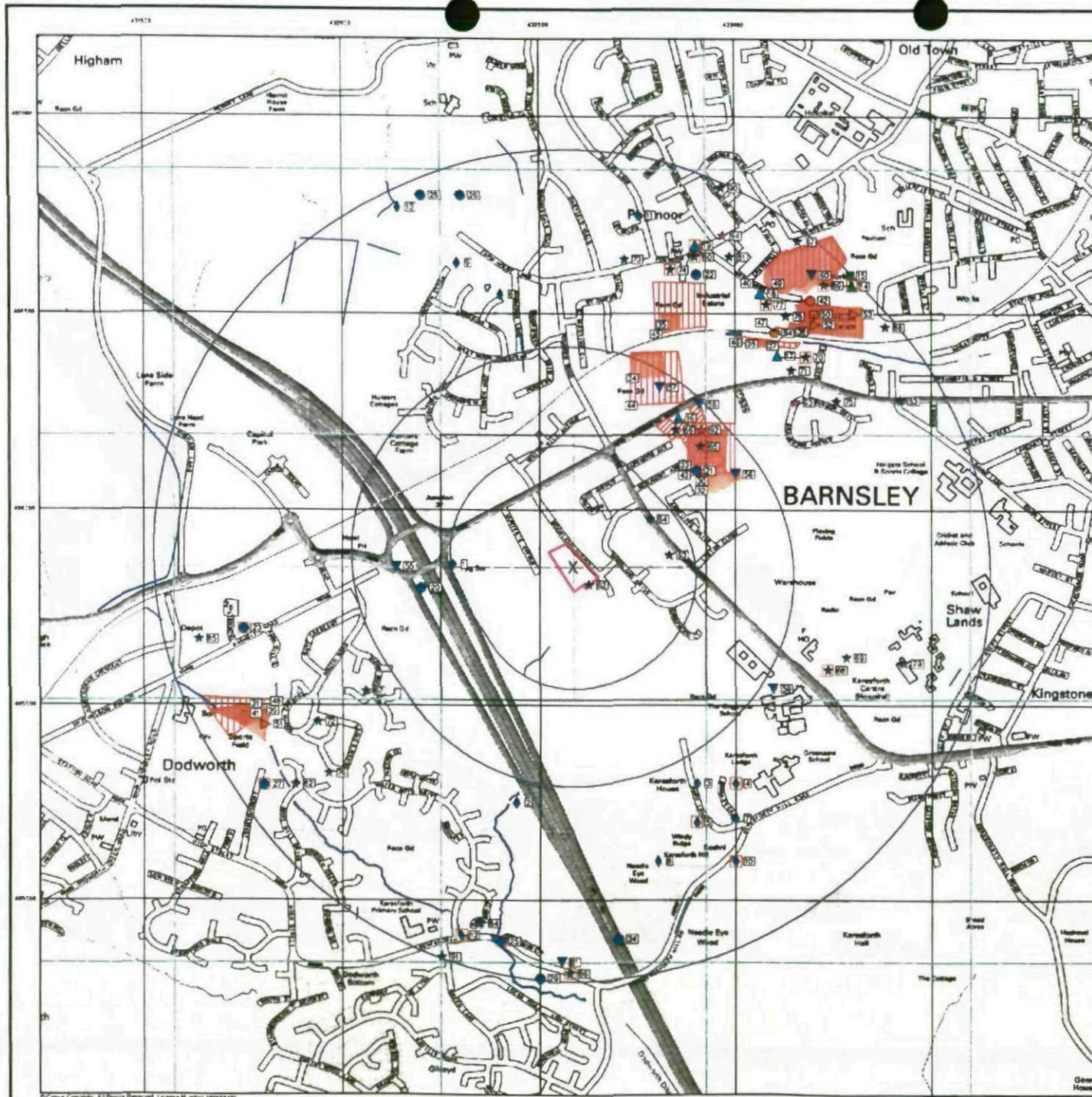


Order Details

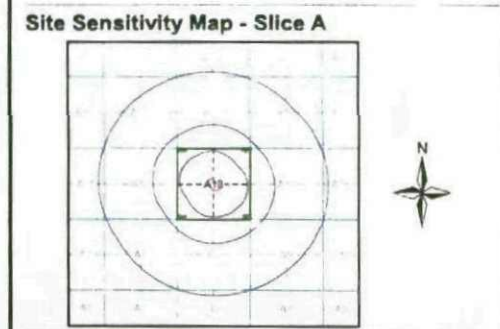
Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Plot Buffer (m): 100

Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSELEY, South Yorkshire, S70 6PQ



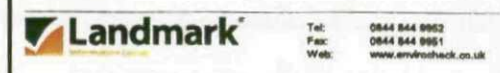
- General**
- Specified Site
 - Specified Buffer(s)
 - Survey Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BOS Recorded Landfill Site (Location)
 - BOS Recorded Landfill Site
 - EA Historic Landfill (Burial) Site
 - EA Historic Landfill (Open) Site
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Location)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Now Subject to 100m)
 - Registered Landfill Site (Now Subject to 750m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - HAZOP Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BOS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

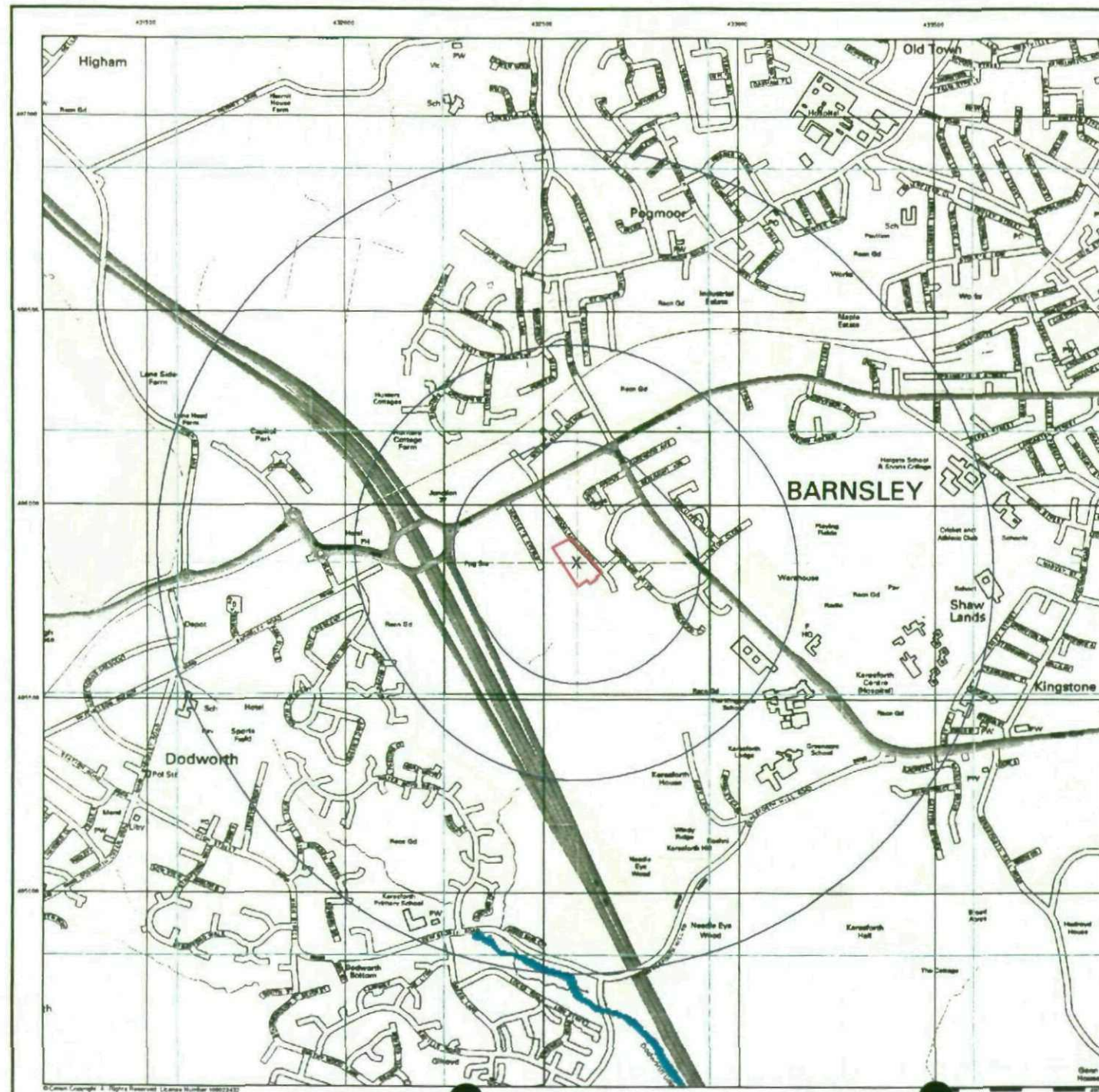


Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details
 Moorland Plastics Barnsley, Moorland Avenue, BARNSELEY, South Yorkshire, S70 8PQ





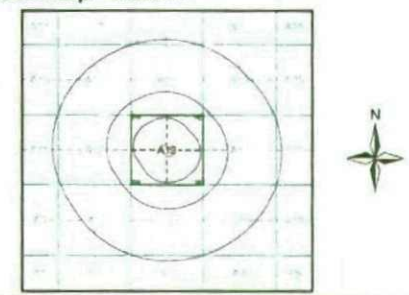
General

- Specified Site
- Specified Buffer(s)
- X Drawing Reference Point

Agency and Hydrological (Flood)

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

Flood Map - Slice A

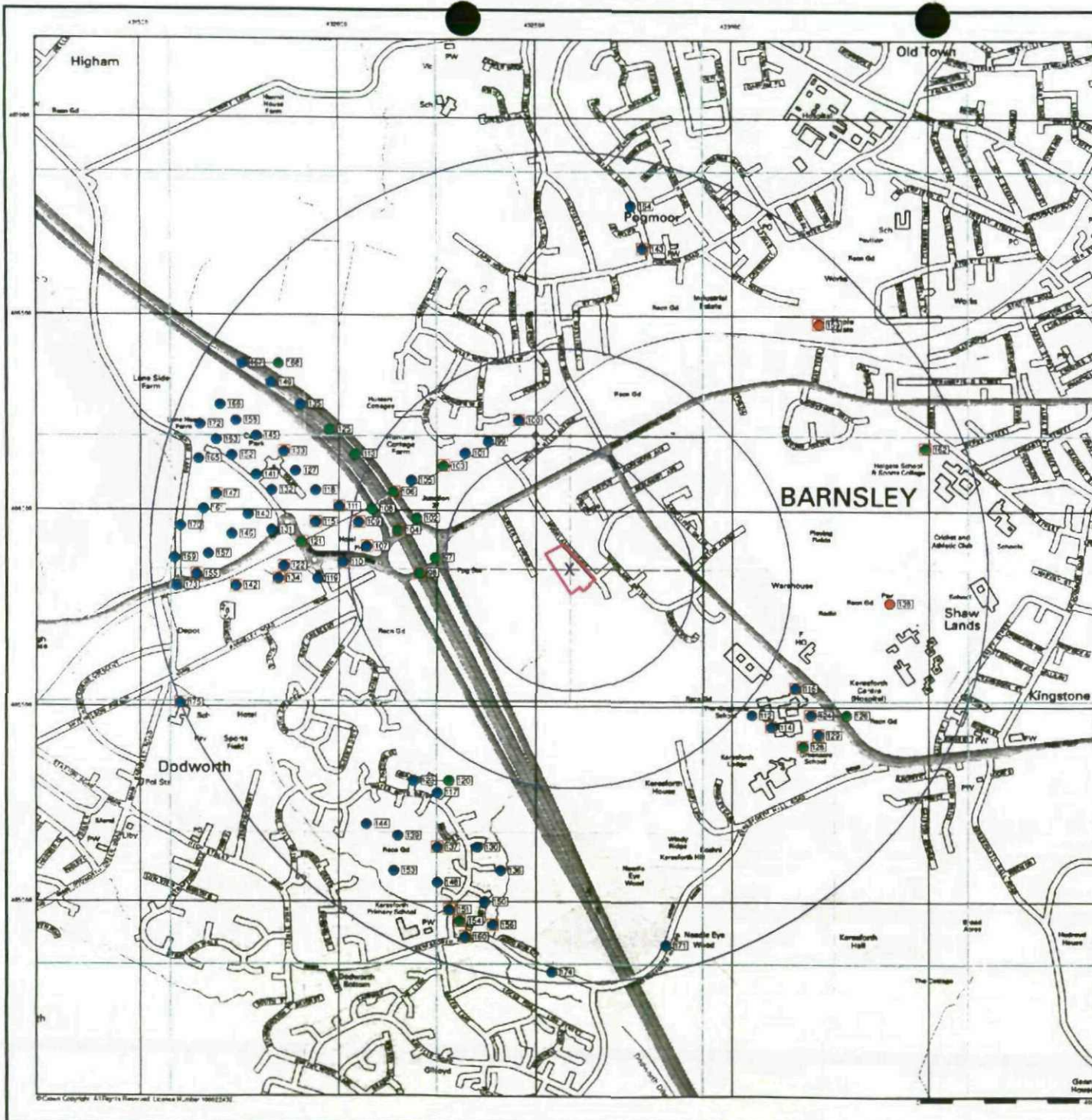


Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNLEY,
 South Yorkshire, S70 6PQ



General

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

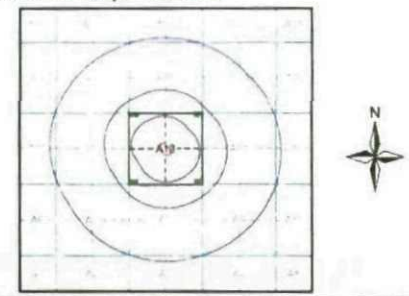
Agency and Hydrological (Boreholes)

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

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

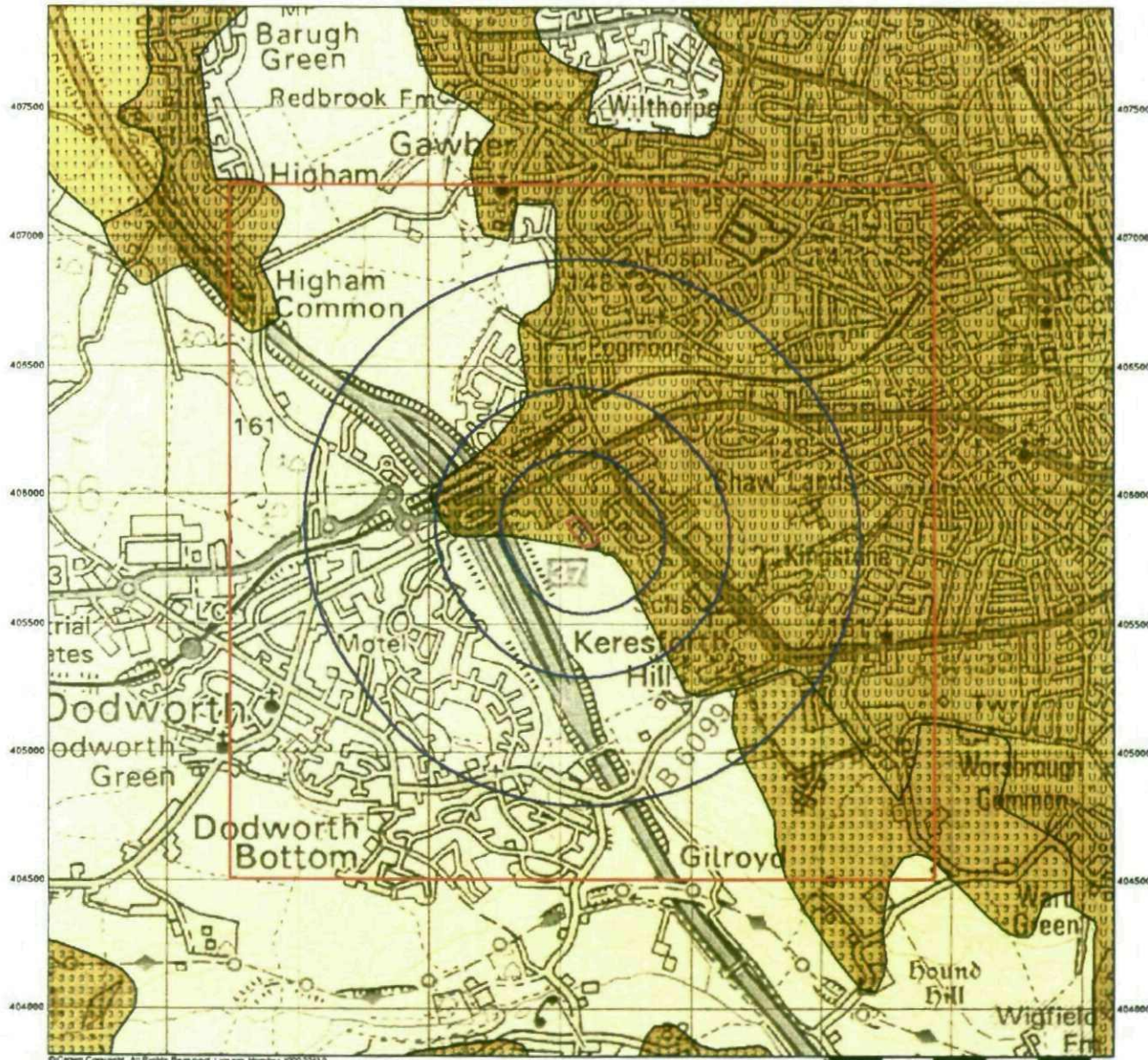
Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNLSLEY, South Yorkshire, S70 6PQ



Tel: 0844 844 0962
 Fax: 0844 844 0961
 Web: www.envirocheck.co.uk

431000 431500 432000 432500 433000 433500 434000 434500



© Crown Copyright. All Rights Reserved. License Number 100029432



Groundwater Vulnerability

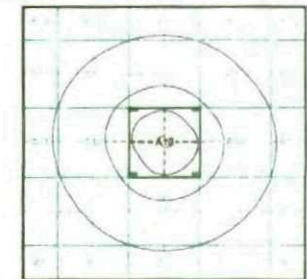
General

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

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice A



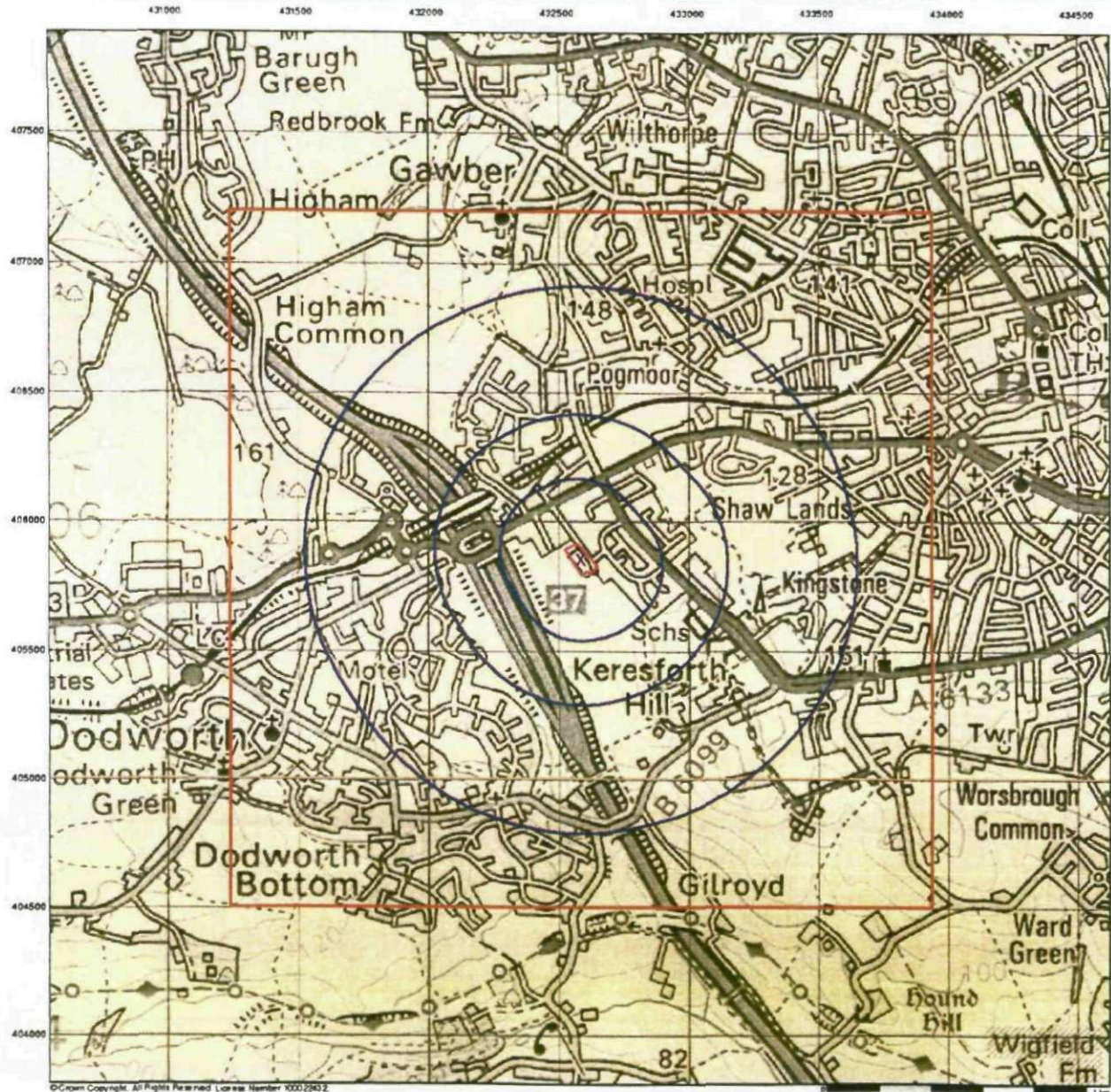
Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ

Landmark Tel: 0844 844 9862
 Fax: 0844 844 9861
 Web: www.envirocheck.co.uk



© Crown Copyright. All Rights Reserved. Licence Number: 100022632



Bedrock Aquifer Designation

General

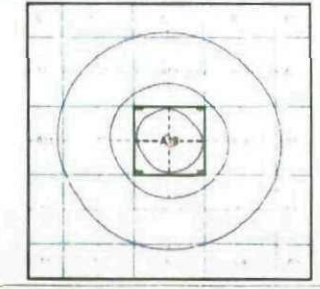
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

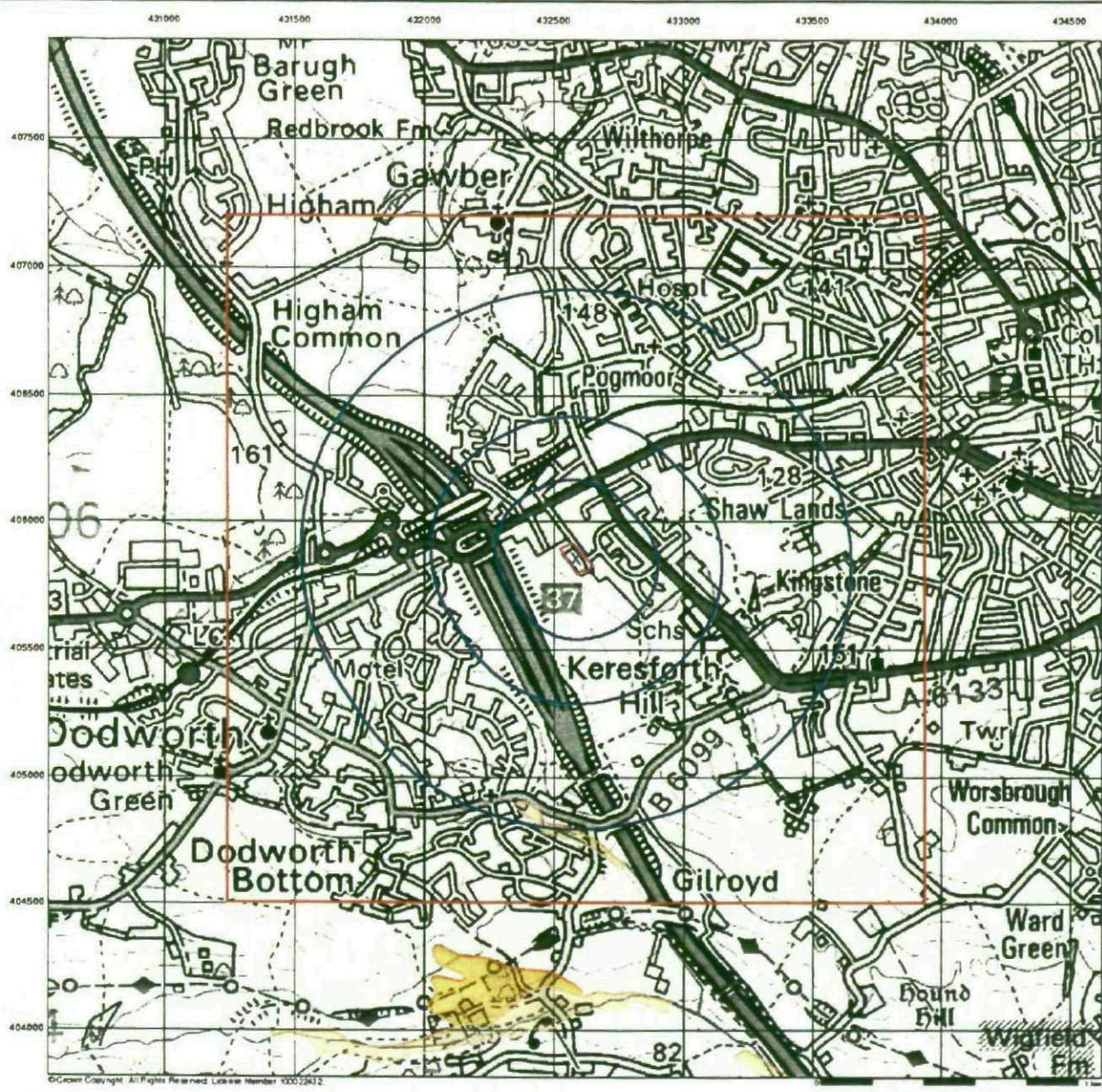
Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSELEY, South Yorkshire, S70 6PQ



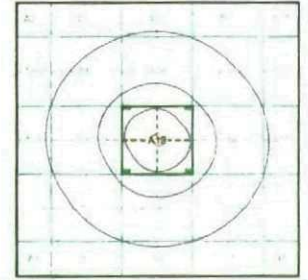
Tel: 0844 844 9962
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



Superficial Aquifer Designation

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Agency and Hydrological**
- Geological Classes**
- Principal Aquifer
 - Secondary A Aquifer
 - Secondary B Aquifer
 - Secondary Undifferentiated
 - Unproductive Strata
 - Unknown

Site Sensitivity Context Map - Slice A

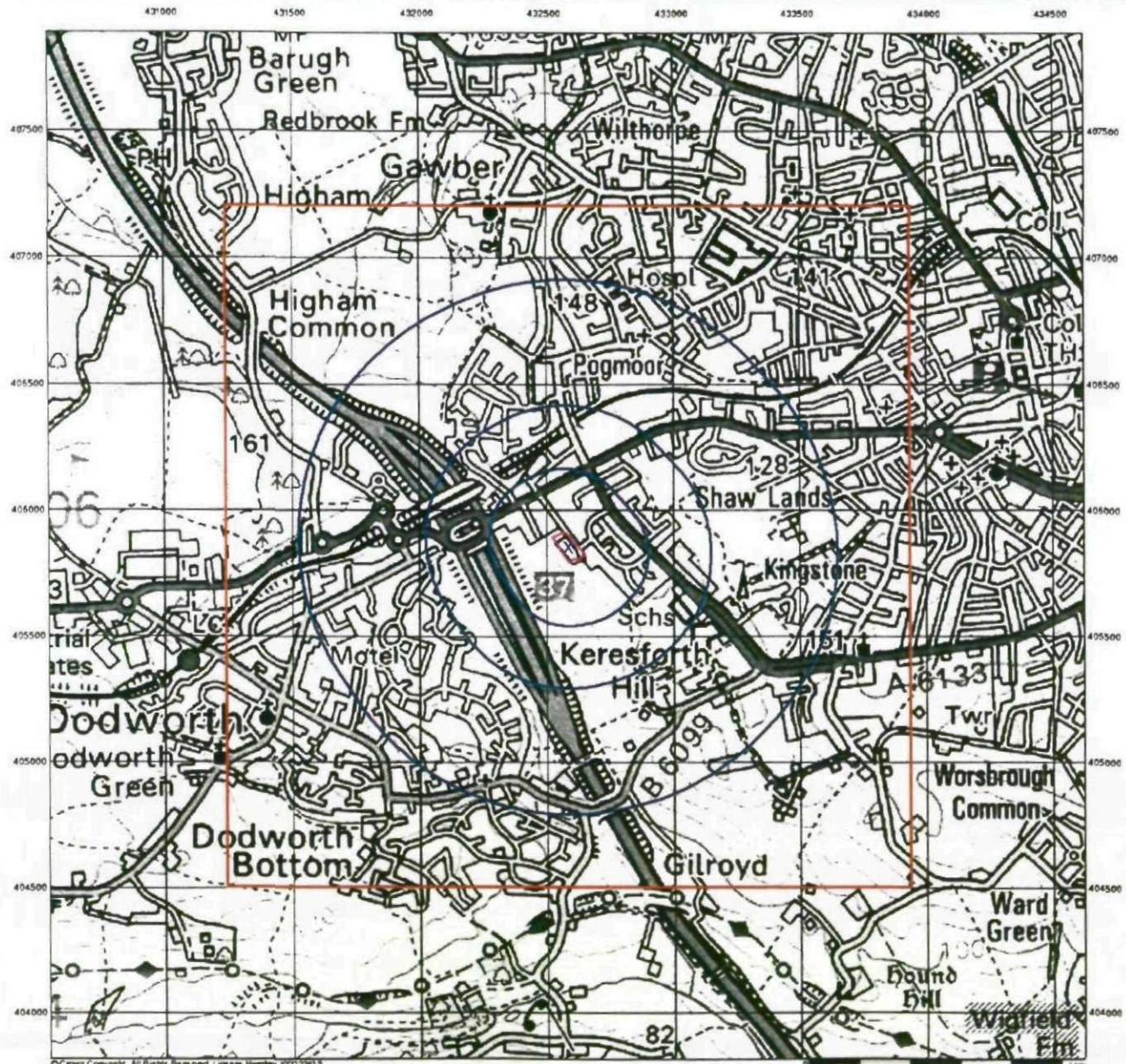


Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details
 Moorland Plastics Barnsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ

Landmark
 Tel: 0844 844 8952
 Fax: 0844 844 8951
 Web: www.envirocheck.co.uk



© Crown Copyright. All Rights Reserved. Licence Number: 100029613



Source Protection Zones

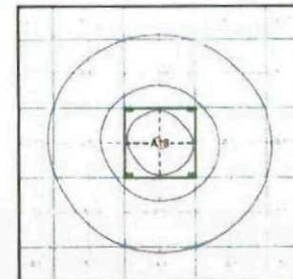
General

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

Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

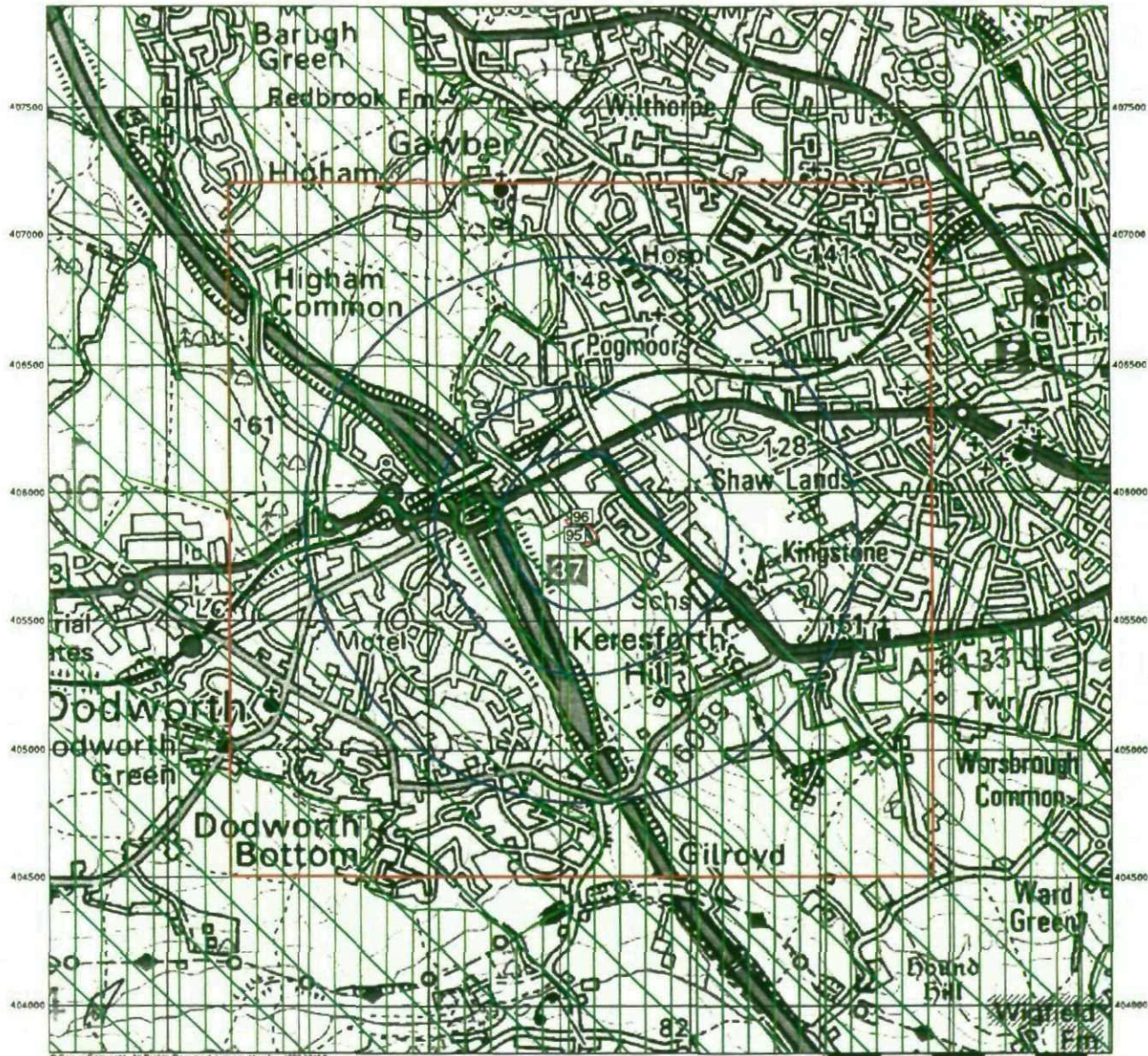
Site Details

Moorland Plastics Bamsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



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

431000 431500 432000 432500 433000 433500 434000 434500



© Crown Copyright. All Rights Reserved. Licence Number: 100012432



Sensitive Land Uses

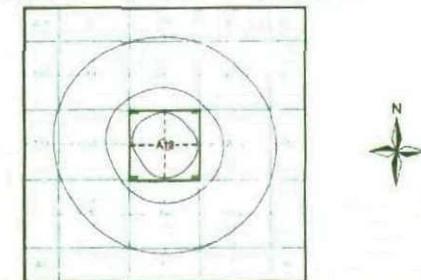
General

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

Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Manne Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 36327995_1_1
 Customer Ref: 34235/AS/JMW
 National Grid Reference: 432590, 405850
 Slice: A
 Site Area (Ha): 0.74
 Search Buffer (m): 1000

Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNSELY,
 South Yorkshire, S70 6PQ



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

Envirocheck[®] Report:**BGS Boreholes
Datasheet****Order Details:****Order Number:**

36327995_1_1

Customer Reference:

34235/AS/JMW

National Grid Reference:

432590, 405850

Slice:

A

Site Area (Ha):

0.74

Borehole Search Buffer (m):

1000

Site Details:

Moorland Plastics Barnsley

Moorland Avenue

BARNSLEY

South Yorkshire

S70 6PQ

Client Details:

Miss A Seymour

Eastwood & Partners Ltd

St Andrews House

23 Kingfield Road

Sheffield

S11 9AS

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
BGS Boreholes	pg 1	None	None	26	134

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 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 the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

Copyright Notice

© Landmark Information Group Limited 2011. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Report Version v47.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	BGS Boreholes BGS Reference: Se30nw321 Drilled Length (m): 16 Borehole Name: M1 Aston-Leeds Motorway B179	A12NE (W)	280	3	432244 405881
98	BGS Boreholes BGS Reference: Se30nw320 Drilled Length (m): 16 Borehole Name: M1 Aston-Leeds Motorway B178	A12NE (W)	290	3	432236 405860
98	BGS Boreholes BGS Reference: Se30nw318 Drilled Length (m): 16 Borehole Name: M1 Aston-Leeds Motorway B176	A12SE (W)	324	3	432204 405843
98	BGS Boreholes BGS Reference: Se30nw319 Drilled Length (m): 20 Borehole Name: M1 Aston-Leeds Motorway B177	A12SE (W)	345	3	432182 405848
99	BGS Boreholes BGS Reference: Se30nw338 Drilled Length (m): 7 Borehole Name: M1 Aston-Leeds Motorway Br15	A13NW (NW)	320	3	432378 406176
100	BGS Boreholes BGS Reference: Se30nw339 Drilled Length (m): 7 Borehole Name: M1 Aston-Leeds Motorway Br16	A18SW (NW)	323	3	432424 406202
100	BGS Boreholes BGS Reference: Se30nw340 Drilled Length (m): 4 Borehole Name: M1 Aston-Leeds Motorway Br17	A18SW (N)	337	3	432456 406231
101	BGS Boreholes BGS Reference: Se30nw337 Drilled Length (m): 8 Borehole Name: M1 Aston-Leeds Motorway Br14	A13NW (NW)	327	3	432320 406146
102	BGS Boreholes BGS Reference: Se30nw324 Drilled Length (m): 20 Borehole Name: M1 Aston-Leeds Motorway B182	A12NE (W)	334	3	432198 405965
103	BGS Boreholes BGS Reference: Se30nw336 Drilled Length (m): 18 Borehole Name: M1 Aston-Leeds Motorway Br13	A13NW (NW)	341	3	432266 406113
103	BGS Boreholes BGS Reference: Se30nw335 Drilled Length (m): 18 Borehole Name: M1 Aston-Leeds Motorway Br11	A13NW (NW)	349	3	432260 406119
104	BGS Boreholes BGS Reference: Se30nw325 Drilled Length (m): 20 Borehole Name: M1 Aston-Leeds Motorway B183	A12NE (W)	354	3	432178 405967
104	BGS Boreholes BGS Reference: Se30nw323 Drilled Length (m): 18 Borehole Name: M1 Aston-Leeds Motorway B181	A12NE (W)	380	3	432149 405950
104	BGS Boreholes BGS Reference: Se30nw322 Drilled Length (m): 18 Borehole Name: M1 Aston-Leeds Motorway B180	A12NE (W)	386	3	432140 405931
104	BGS Boreholes BGS Reference: Se30nw412 Drilled Length (m): 12 Borehole Name: M1 Aston-Leeds Motorway R 700	A12NE (W)	392	3	432144 405988
105	BGS Boreholes BGS Reference: Se30nw334 Drilled Length (m): 8 Borehole Name: M1 Aston-Leeds Motorway Br10	A12NE (NW)	387	3	432184 406076

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	BGS Boreholes BGS Reference: Se30nw342 Drilled Length (m): 24 Borehole Name: M1 Aston-Leeds Motorway Br19	A12NE (NW)	403	3	432159 406062
106	BGS Boreholes BGS Reference: Se30nw333 Drilled Length (m): 15 Borehole Name: M1 Aston-Leeds Motorway Br9	A12NE (NW)	417	3	432139 406051
106	BGS Boreholes BGS Reference: Se30nw332 Drilled Length (m): 13 Borehole Name: M1 Aston-Leeds Motorway Br8	A12NE (W)	447	3	432100 406032
106	BGS Boreholes BGS Reference: Se30nw413 Drilled Length (m): 17 Borehole Name: M1 Aston-Leeds Motorway R 701	A12NE (NW)	459	3	432097 406058
107	BGS Boreholes BGS Reference: Se30nw518 Drilled Length (m): 1.35 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp24	A12NE (W)	455	3	432070 405910
107	BGS Boreholes BGS Reference: Se30nw519 Drilled Length (m): 2.85 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp25	A12NE (W)	464	3	432060 405890
107	BGS Boreholes BGS Reference: Se30nw529 Drilled Length (m): 1.6 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp35	A12NE (W)	484	3	432040 405900
108	BGS Boreholes BGS Reference: Se30nw341 Drilled Length (m): 24 Borehole Name: M1 Aston-Leeds Motorway Br18	A12NE (W)	462	3	432081 406022
109	BGS Boreholes BGS Reference: Se30nw510 Drilled Length (m): 2.65 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp16	A12NE (W)	481	3	432050 405970
109	BGS Boreholes BGS Reference: Se30nw331 Drilled Length (m): 3 Borehole Name: M1 Aston-Leeds Motorway Br7	A12NE (W)	485	3	432053 406007
109	BGS Boreholes BGS Reference: Se30nw517 Drilled Length (m): 1.35 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp23	A12NE (W)	506	3	432020 405930
109	BGS Boreholes BGS Reference: Se30nw330 Drilled Length (m): 2 Borehole Name: M1 Aston-Leeds Motorway Br6	A12NE (W)	521	3	432012 405987
110	BGS Boreholes BGS Reference: Se30nw520 Drilled Length (m): 2.6 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp26	A12NE (W)	515	3	432010 405870
110	BGS Boreholes BGS Reference: Se30nw528 Drilled Length (m): 1.4 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp34	A12NE (W)	534	3	431990 405900
111	BGS Boreholes BGS Reference: Se30nw516 Drilled Length (m): 1.5 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp22	A12NE (W)	529	3	432000 405960
111	BGS Boreholes BGS Reference: Se30nw514 Drilled Length (m): 1.35 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp20	A12NE (W)	537	3	432000 406010

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	BGS Boreholes BGS Reference: Se30nw208 Drilled Length (m): 3.35 Borehole Name: Special Sch Broadway 28	A9NW (SE)	537	3	433050 405470
113	BGS Boreholes BGS Reference: Se30nw414 Drilled Length (m): 15 Borehole Name: M1 Aston-Leeds Motorway R 702	A12NE (NW)	545	3	432041 406143
114	BGS Boreholes BGS Reference: Se30nw205 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 25	A9NW (SE)	564	3	433060 405440
114	BGS Boreholes BGS Reference: Se30nw206 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 26	A9NW (SE)	578	3	433070 405430
114	BGS Boreholes BGS Reference: Se30nw201 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 21	A9NW (SE)	588	3	433100 405450
114	BGS Boreholes BGS Reference: Se30nw207 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 27	A9NW (SE)	592	3	433080 405420
114	BGS Boreholes BGS Reference: Se30nw202 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 22	A9NW (SE)	607	3	433100 405420
114	BGS Boreholes BGS Reference: Se30nw203 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 23	A9NW (SE)	637	3	433140 405420
115	BGS Boreholes BGS Reference: Se30nw527 Drilled Length (m): 1.3 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp33	A12NE (W)	566	3	431960 405940
115	BGS Boreholes BGS Reference: Se30nw329 Drilled Length (m): 3 Borehole Name: M1 Aston-Leeds Motorway Br5	A12NE (W)	577	3	431951 405955
115	BGS Boreholes BGS Reference: Se30nw507 Drilled Length (m): 3 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp13	A12NE (W)	589	3	431940 405970
115	BGS Boreholes BGS Reference: Se30nw530 Drilled Length (m): 1.2 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp36	A12NW (W)	617	3	431910 405950
115	BGS Boreholes BGS Reference: Se30nw515 Drilled Length (m): 1.25 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp21	A12NW (W)	634	3	431900 406000
116	BGS Boreholes BGS Reference: Se30nw200 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 20	A14SW (SE)	581	3	433160 405550
116	BGS Boreholes BGS Reference: Se30nw204 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 24	A14SW (SE)	599	3	433170 405530
117	BGS Boreholes BGS Reference: Se30nw473 Drilled Length (m): 1 Borehole Name: Land At Keresforth Road Tp 8	A8NW (SW)	605	3	432250 405290

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	BGS Boreholes BGS Reference: Se30nw506 Drilled Length (m): 3.3 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp12	A12NE (W)	605	3	431940 406050
119	BGS Boreholes BGS Reference: Se30nw523 Drilled Length (m): 3.2 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp29	A12SE (W)	606	3	431920 405850
120	BGS Boreholes BGS Reference: Se30nw475 Drilled Length (m): 12 Borehole Name: Land At Keresforth Road Bh27	A7NE (SW)	612	3	432210 405310
121	BGS Boreholes BGS Reference: Se30nw328 Drilled Length (m): 13 Borehole Name: M1 Aston-Leeds Motorway Br4	A12NW (W)	620	3	431905 405923
121	BGS Boreholes BGS Reference: Se30nw327 Drilled Length (m): 13 Borehole Name: M1 Aston-Leeds Motorway Br2	A12NW (W)	634	3	431891 405927
122	BGS Boreholes BGS Reference: Se30nw509 Drilled Length (m): 1.35 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp15	A12NW (W)	624	3	431900 405870
122	BGS Boreholes BGS Reference: Se30nw526 Drilled Length (m): 1.2 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp32	A12NW (W)	654	3	431870 405880
122	BGS Boreholes BGS Reference: Se30nw511 Drilled Length (m): 3 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp17	A12NW (W)	665	3	431860 405860
122	BGS Boreholes BGS Reference: Se30nw522 Drilled Length (m): 3.5 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp28	A12SW (W)	677	3	431850 405830
122	BGS Boreholes BGS Reference: Se30nw326 Drilled Length (m): 5 Borehole Name: M1 Aston-Leeds Motorway Br1	A12NW (W)	678	3	431846 405898
123	BGS Boreholes BGS Reference: Se30nw474 Drilled Length (m): 1 Borehole Name: Land At Keresforth Road Tp 9	A7NE (SW)	625	3	432190 405310
124	BGS Boreholes BGS Reference: Se30nw193 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 13	A9NW (SE)	626	3	433170 405480
124	BGS Boreholes BGS Reference: Se30nw192 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 12	A9NW (SE)	627	3	433190 405510
124	BGS Boreholes BGS Reference: Se30nw190 Drilled Length (m): 4.57 Borehole Name: Special Sch Broadway 10	A9NW (SE)	646	3	433200 405490
124	BGS Boreholes BGS Reference: Se30nw191 Drilled Length (m): 2.13 Borehole Name: Special Sch Broadway 11	A9NW (SE)	646	3	433200 405490
124	BGS Boreholes BGS Reference: Se30nw194 Drilled Length (m): 6.1 Borehole Name: Special Sch Broadway 14	A9NW (SE)	649	3	433170 405440

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	BGS Boreholes BGS Reference: Se30nw188 Drilled Length (m): 4.57 Borehole Name: Special Sch Broadway 8	A9NW (SE)	651	3	433200 405480
124	BGS Boreholes BGS Reference: Se30nw189 Drilled Length (m): 8.23 Borehole Name: Special Sch Broadway 9	A9NW (SE)	651	3	433200 405480
124	BGS Boreholes BGS Reference: Se30nw187 Drilled Length (m): 5.49 Borehole Name: Special Sch Broadway 7	A9NW (SE)	659	3	433210 405480
124	BGS Boreholes BGS Reference: Se30nw186 Drilled Length (m): 8.84 Borehole Name: Special Sch Broadway 6	A9NW (SE)	665	3	433210 405470
124	BGS Boreholes BGS Reference: Se30nw195 Drilled Length (m): 4.57 Borehole Name: Special Sch Broadway 15	A9NW (SE)	665	3	433190 405440
124	BGS Boreholes BGS Reference: Se30nw196 Drilled Length (m): 5.18 Borehole Name: Special Sch Broadway 16	A9NW (SE)	665	3	433190 405440
124	BGS Boreholes BGS Reference: Se30nw197 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 17	A9NW (SE)	665	3	433190 405440
124	BGS Boreholes BGS Reference: Se30nw198 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 18	A9NW (SE)	665	3	433190 405440
124	BGS Boreholes BGS Reference: Se30nw199 Drilled Length (m): 3.05 Borehole Name: Special Sch Broadway 19	A9NW (SE)	665	3	433190 405440
125	BGS Boreholes BGS Reference: Se30nw415 Drilled Length (m): 13 Borehole Name: M1 Aston-Leeds Motorway R 703	A17SE (NW)	633	3	431976 406207
126	BGS Boreholes BGS Reference: Se30nw185 Drilled Length (m): 16.46 Borehole Name: Special Sch Broadway 5	A9NW (SE)	651	3	433200 405480
127	BGS Boreholes BGS Reference: Se30nw512 Drilled Length (m): 1.3 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp18	A12NW (W)	668	3	431890 406100
128	BGS Boreholes BGS Reference: Se30nw181 Drilled Length (m): 11.58 Borehole Name: Special Sch Broadway 1	A9NW (SE)	681	3	433180 405400
128	BGS Boreholes BGS Reference: Se30nw182 Drilled Length (m): 11.58 Borehole Name: Special Sch Broadway 2	A9NW (SE)	695	3	433220 405430
129	BGS Boreholes BGS Reference: Se30nw183 Drilled Length (m): 7.62 Borehole Name: Special Sch Broadway 3	A9NW (SE)	687	3	433210 405430
129	BGS Boreholes BGS Reference: Se30nw184 Drilled Length (m): 8.84 Borehole Name: Special Sch Broadway 4	A9NW (SE)	695	3	433220 405430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	BGS Boreholes BGS Reference: Se30nw470 Drilled Length (m): 2 Borehole Name: Land At Keresforth Road Tp 5	A8SW (S)	693	3	432350 405140
131	BGS Boreholes BGS Reference: Se30nw531 Drilled Length (m): 1.4 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp37	A12NW (W)	697	3	431830 405950
132	BGS Boreholes BGS Reference: Se30nw505 Drilled Length (m): 2.5 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp11	A12NW (W)	712	3	431830 406050
133	BGS Boreholes BGS Reference: Se30nw513 Drilled Length (m): 1.75 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp19	A12NW (W)	713	3	431860 406150
133	BGS Boreholes BGS Reference: Se30nw504 Drilled Length (m): 3.35 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp10	A12NW (W)	737	3	431830 406140
134	BGS Boreholes BGS Reference: Se30nw525 Drilled Length (m): 1.7 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp31	A12SW (W)	715	3	431810 405850
134	BGS Boreholes BGS Reference: Se30nw521 Drilled Length (m): 2.5 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp27	A12SW (W)	738	3	431790 405820
134	BGS Boreholes BGS Reference: Se30nw499 Drilled Length (m): 3.05 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp5	A12NW (W)	744	3	431780 405890
135	BGS Boreholes BGS Reference: Se30nw416 Drilled Length (m): 10 Borehole Name: M1 Aston-Leeds Motorway R 704	A17SW (NW)	729	3	431902 406271
136	BGS Boreholes BGS Reference: Se30nw469 Drilled Length (m): 1 Borehole Name: Land At Keresforth Road Tp 4	A8SW (S)	733	3	432410 405080
137	BGS Boreholes BGS Reference: Se30nw472 Drilled Length (m): 2 Borehole Name: Land At Keresforth Road Tp 7	A8SW (SW)	734	3	432250 405140
137	BGS Boreholes BGS Reference: Se30nw565 Drilled Length (m): 4.57 Borehole Name: Dodsworth Secondary School 3	A7SE (SW)	740	3	432220 405150
138	BGS Boreholes BGS Reference: Se30nw19 Drilled Length (m): 37.19 Borehole Name: Site Investigation Broadway Bamsley	A14SE (E)	753	3	433400 405770
139	BGS Boreholes BGS Reference: Se30nw564 Drilled Length (m): 3.81 Borehole Name: Dodsworth Secondary School 2	A7SE (SW)	760	3	432150 405170
140	BGS Boreholes BGS Reference: Se30nw498 Drilled Length (m): 2.7 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp4	A12NW (W)	761	3	431770 405990
141	BGS Boreholes BGS Reference: Se30nw541 Drilled Length (m): 1.2 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp47	A12NW (W)	761	3	431790 406090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	BGS Boreholes BGS Reference: Se30nw508 Drilled Length (m): 4.2 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp14	A12SW (W)	767	3	431760 405830
142	BGS Boreholes BGS Reference: Se30nw524 Drilled Length (m): 3.35 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp30	A12SW (W)	788	3	431740 405810
142	BGS Boreholes BGS Reference: Se30nw532 Drilled Length (m): 3.95 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp38	A12SW (W)	796	3	431730 405840
143	BGS Boreholes BGS Reference: Se30nw632 Drilled Length (m): 4.1 Borehole Name: Pennine Way Pogmoor Barnsley 3	A18NE (N)	782	3	432770 406670
143	BGS Boreholes BGS Reference: Se30nw631 Drilled Length (m): 4.3 Borehole Name: Pennine Way Pogmoor Barnsley 2	A18NE (N)	819	3	432760 406710
144	BGS Boreholes BGS Reference: Se30nw563 Drilled Length (m): 4.11 Borehole Name: Dodsworth Secondary School 1	A7NE (SW)	786	3	432070 405200
145	BGS Boreholes BGS Reference: Se30nw542 Drilled Length (m): 2.2 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp48	A17SW (NW)	793	3	431790 406190
146	BGS Boreholes BGS Reference: Se30nw497 Drilled Length (m): 3.05 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp3	A12NW (W)	796	3	431730 405940
147	BGS Boreholes BGS Reference: Se30nw503 Drilled Length (m): 2.55 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp9	A12NW (W)	798	3	431740 406040
147	BGS Boreholes BGS Reference: Se30nw538 Drilled Length (m): 1.25 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp44	A12NW (W)	840	3	431690 405990
147	BGS Boreholes BGS Reference: Se30nw539 Drilled Length (m): 1.3 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp45	A12NW (W)	846	3	431700 406080
147	BGS Boreholes BGS Reference: Se30nw540 Drilled Length (m): 1.25 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp46	A12NW (W)	847	3	431690 406040
148	BGS Boreholes BGS Reference: Se30nw567 Drilled Length (m): 4.88 Borehole Name: Dodsworth Secondary School 5	A8SW (SW)	815	3	432250 405050
149	BGS Boreholes BGS Reference: Se30nw421 Drilled Length (m): 9 Borehole Name: M1 Aston-Leeds Motorway R 236	A17SW (NW)	821	3	431828 406327
150	BGS Boreholes BGS Reference: Se30nw468 Drilled Length (m): 2 Borehole Name: Land At Keresforth Road Tp 3	A8SW (S)	821	3	432370 405000
151	BGS Boreholes BGS Reference: Se30nw471 Drilled Length (m): 2 Borehole Name: Land At Keresforth Road Tp 6	A8SW (S)	823	3	432300 405020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
151	BGS Boreholes BGS Reference: Se30sw123 Drilled Length (m): 5 Borehole Name: Land At Keresforth Road 7	A8SW (S)	866	3	432260 404990
151	BGS Boreholes BGS Reference: Se30sw122 Drilled Length (m): 8 Borehole Name: Land At Keresforth Road 6	A8SW (S)	868	3	432280 404980
151	BGS Boreholes BGS Reference: Se30sw124 Drilled Length (m): 8 Borehole Name: Land At Keresforth Road 8	A8SW (S)	870	3	432300 404970
152	BGS Boreholes BGS Reference: Se30nw502 Drilled Length (m): 2.75 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp8	A12NW (W)	832	3	431730 406140
153	BGS Boreholes BGS Reference: Se30nw566 Drilled Length (m): 4.88 Borehole Name: Dodsworth Secondary School 4	A7SE (SW)	841	3	432140 405080
154	BGS Boreholes BGS Reference: Se30sw117 Drilled Length (m): 20 Borehole Name: Land At Keresforth Road 1	A8SW (S)	845	3	432350 404980
154	BGS Boreholes BGS Reference: Se30sw119 Drilled Length (m): 11 Borehole Name: Land At Keresforth Road 3	A8SW (S)	884	3	432350 404940
154	BGS Boreholes BGS Reference: Se30sw118 Drilled Length (m): 11 Borehole Name: Land At Keresforth Road 2	A8SW (S)	886	3	432310 404950
154	BGS Boreholes BGS Reference: Se30sw120 Drilled Length (m): 13 Borehole Name: Land At Keresforth Road 4	A8SW (S)	903	3	432350 404920
155	BGS Boreholes BGS Reference: Se30nw533 Drilled Length (m): 1.95 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp39	A12SW (W)	847	3	431680 405820
155	BGS Boreholes BGS Reference: Se30nw496 Drilled Length (m): 1.75 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp2	A12SW (W)	886	3	431640 405840
156	BGS Boreholes BGS Reference: Se30sw130 Drilled Length (m): 7 Borehole Name: Land At Keresforth Road 14	A8SW (S)	852	3	432360 404970
156	BGS Boreholes BGS Reference: Se30sw129 Drilled Length (m): 3 Borehole Name: Land At Keresforth Road 13	A8SW (S)	864	3	432390 404950
156	BGS Boreholes BGS Reference: Se30sw128 Drilled Length (m): 2 Borehole Name: Land At Keresforth Road 12	A8SW (S)	869	3	432370 404950
156	BGS Boreholes BGS Reference: Se30sw127 Drilled Length (m): 6 Borehole Name: Land At Keresforth Road 11	A8SW (S)	872	3	432360 404950
156	BGS Boreholes BGS Reference: Se30sw116 Drilled Length (m): 2 Borehole Name: Land At Keresforth Road Tp 2	A8SW (S)	874	3	432390 404940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	BGS Boreholes BGS Reference: Se30sw121 Drilled Length (m): 10 Borehole Name: Land At Keresforth Road 5	A8SW (S)	874	3	432390 404940
156	BGS Boreholes BGS Reference: Se30sw126 Drilled Length (m): 6 Borehole Name: Land At Keresforth Road 10	A8SW (S)	874	3	432350 404950
157	BGS Boreholes BGS Reference: Se30nw534 Drilled Length (m): 1.5 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp40	A12NW (W)	854	3	431670 405890
158	BGS Boreholes BGS Reference: Se30nw543 Drilled Length (m): 2.3 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp49	A17SW (NW)	854	3	431740 406230
159	BGS Boreholes BGS Reference: Se30nw555 Drilled Length (m): 59.44 Borehole Name: Summer Lane Dairy No. 1	A19SW (NE)	862	3	433220 406480
159	BGS Boreholes BGS Reference: Se30nw556 Drilled Length (m): 287.12 Borehole Name: Summer Lane Dairy No. 2	A19SW (NE)	862	3	433220 406480
159	BGS Boreholes BGS Reference: Se30nw20 Drilled Length (m): 287.12 Borehole Name: Well At Summerlane Dairy Bamsley	A19SW (NE)	897	3	433240 406510
160	BGS Boreholes BGS Reference: Se30sw125 Drilled Length (m): 6 Borehole Name: Land At Keresforth Road 9	A8SW (S)	870	3	432330 404960
160	BGS Boreholes BGS Reference: Se30sw115 Drilled Length (m): 2 Borehole Name: Land At Keresforth Road Tp 1	A8SW (S)	912	3	432320 404920
161	BGS Boreholes BGS Reference: Se30nw495 Drilled Length (m): 2.5 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp1	A12NW (W)	875	3	431650 405940
162	BGS Boreholes BGS Reference: Se30nw225 Drilled Length (m): 10.67 Borehole Name: Shaw Lane Bamsley 5	A14NE (E)	880	3	433460 406170
162	BGS Boreholes BGS Reference: Se30nw221 Drilled Length (m): 19.2 Borehole Name: Shaw Lane Bamsley 1	A14NE (E)	897	3	433490 406140
162	BGS Boreholes BGS Reference: Se30nw224 Drilled Length (m): 12.19 Borehole Name: Shaw Lane Bamsley 4	A14NE (E)	904	3	433490 406160
162	BGS Boreholes BGS Reference: Se30nw226 Drilled Length (m): 13.72 Borehole Name: Shaw Lane Bamsley 6	A19SE (E)	906	3	433480 406190
162	BGS Boreholes BGS Reference: Se30nw223 Drilled Length (m): 11.28 Borehole Name: Shaw Lane Bamsley 3	A14NE (E)	926	3	433510 406170
162	BGS Boreholes BGS Reference: Se30nw222 Drilled Length (m): 12.19 Borehole Name: Shaw Lane Bamsley 2	A14NE (E)	938	3	433530 406150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
163	BGS Boreholes BGS Reference: Se30nw545 Drilled Length (m): 1.55 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp51	A12NW (W)	883	3	431690 406180
164	BGS Boreholes BGS Reference: Se30nw630 Drilled Length (m): 4.2 Borehole Name: Pennine Way Pogmoor Bamsley 1	A18NE (N)	883	3	432740 406780
165	BGS Boreholes BGS Reference: Se30nw501 Drilled Length (m): 2.8 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp7	A12NW (W)	897	3	431660 406130
166	BGS Boreholes BGS Reference: Se30nw500 Drilled Length (m): 3.35 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp6	A17SW (NW)	907	3	431700 406270
167	BGS Boreholes BGS Reference: Se30nw422 Drilled Length (m): 7 Borehole Name: M1 Aston-Leeds Motorway R 237	A17SW (NW)	909	3	431756 406377
168	BGS Boreholes BGS Reference: Se30nw441 Drilled Length (m): 11 Borehole Name: M1 Aston-Leeds Motorway P 4	A17SW (NW)	909	3	431756 406377
169	BGS Boreholes BGS Reference: Se30nw536 Drilled Length (m): 1.3 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp42	A12NW (W)	924	3	431600 405880
170	BGS Boreholes BGS Reference: Se30nw537 Drilled Length (m): 2.05 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp43	A12NW (W)	927	3	431600 405960
171	BGS Boreholes BGS Reference: Se30sw110 Drilled Length (m): .61 Borehole Name: Gilroyd Ln/Keresforth Rd Bh1	A8SE (S)	933	3	432830 404890
172	BGS Boreholes BGS Reference: Se30nw544 Drilled Length (m): 1.5 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp50	A17SW (W)	934	3	431650 406220
173	BGS Boreholes BGS Reference: Se30nw535 Drilled Length (m): 2.15 Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp41	A12SW (W)	938	3	431590 405810
174	BGS Boreholes BGS Reference: Se30sw111 Drilled Length (m): .61 Borehole Name: Gilroyd Ln/Keresforth Rd Bh2	A3NW (S)	972	3	432540 404820
175	BGS Boreholes BGS Reference: Se30nw171 Drilled Length (m): 1.83 Borehole Name: Prop J&I Sch Dodworth 8	A7NW (W)	981	3	431620 405510
175	BGS Boreholes BGS Reference: Se30nw168 Drilled Length (m): 2.13 Borehole Name: Prop J&I Sch Dodworth 5	A12SW (W)	987	3	431610 405520
175	BGS Boreholes BGS Reference: Se30nw170 Drilled Length (m): 1.83 Borehole Name: Prop J&I Sch Dodworth 7	A7NW (W)	989	3	431620 405490
175	BGS Boreholes BGS Reference: Se30nw167 Drilled Length (m): 1.83 Borehole Name: Prop J&I Sch Dodworth 4	A7NW (W)	1000	3	431600 405510

BGS Boreholes	Version	Update Cycle
BGS Boreholes British Geological Survey - National Geoscience Information Service	October 2011	Quarterly

Contact Details	Contact Logo
3 British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
- Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk	 LANDMARK [®] Information Group

Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Miss A Seymour, Eastwood & Partners Ltd, St Andrews House, 23 Kingfield Road, Sheffield, S11 9AS

Order Details

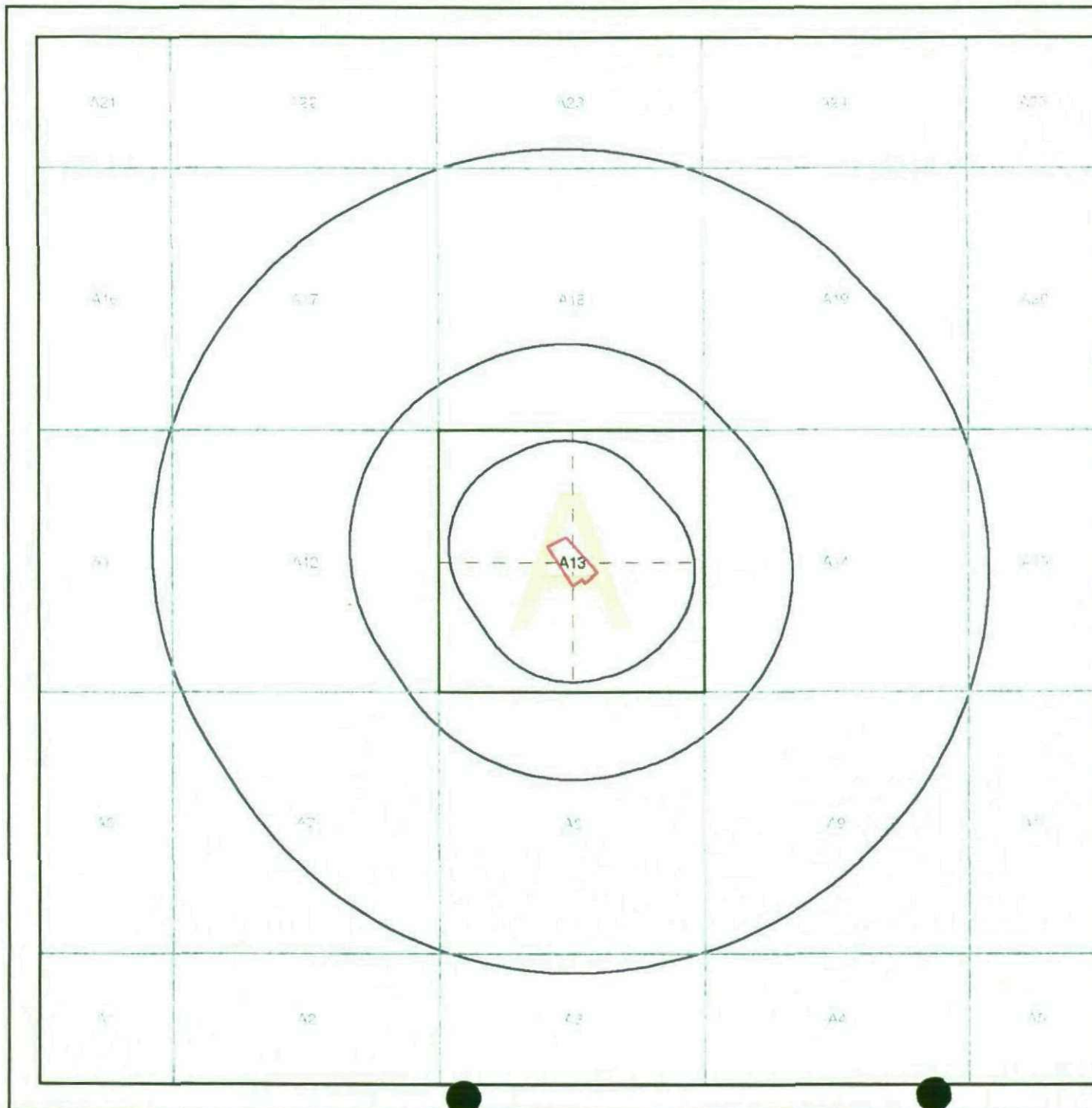
Order Number: 36327995_1_1
Customer Ref: 34235/AS/JMW
National Grid Reference: 432590, 405850
Site Area (Ha): 0.74
Search Buffer (m): 1000

Site Details

Moorland Plastics Barnsley, Moorland Avenue, BARNSELY, South Yorkshire, S70 6PQ



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



Issued by:

The Coal Authority, Mining Reports Office, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire NG18 4RG
 ON-Line Service: www.groundstability.com - Phone: 0845 762 6848 - DX 716176 MANSFIELD 5

CUSTOMER SERVICES,
 LANDMARK INFORMATION GROUP LIMITED,
 ABBEY COURT UNIT 5/7,
 EAGLE WAY,
 SOWTON INDUSTRIAL ESTATE,
 EXETER,
 DEVON,
 EX2 7HY

Person dealing with this matter: **Keith Pennington**
 Our reference: **00062303-11**
 Your reference: **36327995**
 Electronic Ref: **EME_00016764960003_005**
 RRUID: **005.00016764960003**
 Date of your enquiry: **11 October 2011**
 Date we received your enquiry: **11 October 2011**
 Date of issue: **12 October 2011**

This report is for the property described in the address below and the attached plan.

Non-Residential Coal and Brine Report

Site At Moorland Plastics Barnsley, Moorland Avenue, Barnsley, South Yorkshire

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Coal mining	Yes
Brine Compensation District	No

Information from the Coal Authority

Underground Coal Mining

Past

The property is in the likely zone of influence from workings in 6 seams of coal at shallow to 310m depth, and last worked in 1970.

Present

The property is not in the likely zone of influence of any present underground coal workings.

Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

The property is not in an area for which a licence has been granted to remove coal using underground methods.

The property is not in an area that is likely to be affected at the surface from any planned future workings.

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

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

Mine entries

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

Records may be incomplete. Consequently, there may exist in the local area mine entries of which the Coal Authority has no knowledge.

Coal-mining geology

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

Opencast Coal Mining

Past

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

Present

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

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

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

Coal-mining subsidence

The Coal Authority has not received a damage notice or claim for the property since 31 October 1994. There is no current Stop Notice delaying the start of remedial works or repairs to the property.

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

Mine gas

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

Hazards related to coal mining

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

Withdrawal of Support

The property is not in an area for which a notice of entitlement to withdraw support has been published.

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

Working Facilities Orders

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

Payments to Owners of Former Copyhold Land

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

Comments on Coal Authority information

In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/ former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional remarks

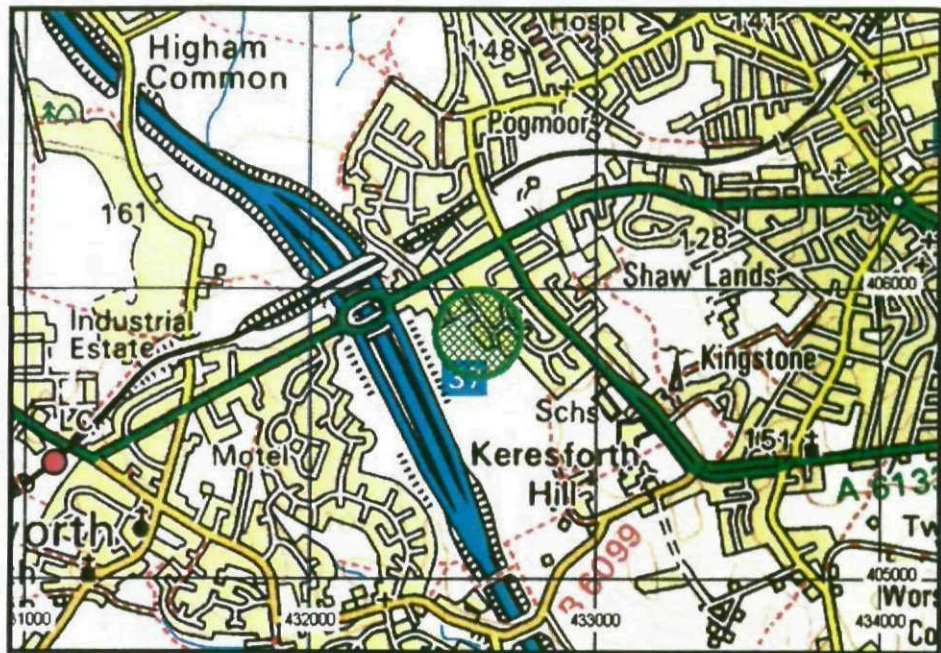
This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The report is compliant with Home Information Pack requirements.

The Coal Authority owns the copyright in this report. The information we have used to write this report is protected by our database right. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

Location map



Approximate position of property



Enquiry boundary

These maps are reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. The Coal Authority. Licence number: 100020315. [2006]

Key

Approximate position of enquiry boundary shown



Appendix 3

Trial Pit Logs – Internal Trial Pits ITPN and ITPS, and External Trial Pits TP1 to TP6





Trial Pit Photographs

Rotary Borehole Logs

Project Name: Moorland Plastics Project No.: 34235 Co-ords: -
 Level: - Date: 25/10/2011

Location: Barnsley Dimensions: 0.70m
 Depth: 0.65m Scale: 1:25

Client: Gleeson Developments Ltd. Logged By: DES





Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.30	D		0.25			MADE GROUND: Concrete slab.
			0.35			MADE GROUND: Light orange, slightly clayey sand and fine to coarse gravel hardcore.
0.55	IPP	150	0.60			Soft and friable orange grey banded silty sandy CLAY.
0.55	D		0.65			Very stiff orange grey banded silty sandy CLAY.
0.65	IPP	450				Trialpit Complete at 0.65 m

Remarks: Carried out inside the building. Trialpit terminated due to hard ground.

Groundwater: None encountered.



Project Name Moorland Plastics	Project No. 34235	Co-ords: - Level: -	Date 25/10/2011
Location: Barnsley	Dimensions: 0.70m		Scale 1:25
Client: Gleeson Developments Ltd.	Depth 0.55m	0.70m	Logged By DES

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.45	IPP	150	0.35			MADE GROUND: Linoleum over concrete slab.
0.45	D		0.40			MADE GROUND: Hardcore.
0.55	IPP	250	0.50			Soft orange grey banded silty sandy CLAY.
			0.55			Very stiff orange grey banded silty sandy CLAY.
Trialpit Complete at 0.55 m						
						1
						2
						3
						4

Remarks: Carried out inside the building. Trial pit terminated due to hard ground.

Groundwater: None encountered.



Project Name
 Moorland Plastics

Project No.
 34235

Co-ords: -
 Level: -

Date
 25/10/2011

Location: Barnsley

Dimensions: 2.50m

Scale
 1:25

Client: Gleeson Developments Ltd.

Depth
 3.60m

0.70m

Logged By
 DES

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.10	D		0.20			TOPSOIL: Loose brown sand with stones and rare pieces of slag.
			0.30			MADE GROUND: White limestone hardcore.
0.40	D		0.50			MADE GROUND/HISTORICAL TOPSOIL: Dark grey ashy sand with ceramic fragments.
						Stiff dry orange CLAY with organic fragments.
0.80	IPP	350				
0.80	D		1.10			Slightly clayey very gravelly SAND. Gravel is coarse angular of sandstone with sandstone cobbles.
1.30	D					
			2.10			Weak orange to grey MUDSTONE recovered as angular coarse gravel.
			3.60			
						Trialpit Complete at 3.60 m

Remarks: Sides relatively stable.

Groundwater: Wet from 2.1 m.



Project Name
 Moorland Plastics

Project No.
 34235

Co-ords: -
 Level: -

Date
 25/10/2011






Location: Barnsley

Dimensions: 2.50m
 Depth 1.85m 0.70m

Scale
 1:25

Client: Gleeson Developments Ltd.

Logged By
 DES

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.20	D					TOPSOIL: Brown gravelly sand with whole bricks, ceramic, shale and glass fragments.
			0.40			
0.65	D					MADE GROUND: Reworked firm friable orange CLAY with angular sandstone cobbles and boulders.
			0.75			
			0.95			Dark grey to orange slightly clayey SAND with moderately strong angular sandstone cobbles. Possibly old reworked/buried topsoil layer.
1.15	D					Orange slightly clayey SAND with moderately strong angular sandstone cobbles.
			1.35			
			1.85			Grey to orange SANDSTONE flags recovered as angular coarse gravel and cobbles.
						Trialpit Complete at 1.85 m

Remarks: Sides relatively stable. Trial pit terminated due to strong rock.

Groundwater: None encountered.



Project Name
 Moorland Plastics

Project No.
 34235

Co-ords: -
 Level: -

Date
 25/10/2011

Location: Barnsley

Dimensions: 2.50m
 Depth 2.90m 0.70m

Scale
 1:25

Client: Gleeson Developments Ltd.

Logged By
 DES

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.25	D		0.05		[Cross-hatch pattern]	MADE GROUND: Tarmacadam.
			0.18		[Dotted pattern]	MADE GROUND: Light yellow hardcore.
			0.30		[Cross-hatch pattern]	MADE GROUND: Soft brown to dark brown slightly gravelly CLAY.
1.00	D		1.00		[Cross-hatch pattern]	MADE GROUND: Moderately strong orange angular loose flaggy rippled SANDSTONE cobbles and boulders in soft orange clay.
					[Dotted pattern]	Orange slightly clayey gravelly SAND. Gravel is fine to coarse angular of sandstone.
1.70	D		1.80		[Dotted pattern]	Orange very clayey very gravelly SAND. Gravel is fine to coarse angular of sandstone.
					[Horizontal lines pattern]	Weak orange to grey sandy MUDSTONE.
			2.50		[Horizontal lines pattern]	
			2.90		[Dotted pattern]	Trialpit Complete at 2.90 m

Remarks: Sides loose from 0.3 to 1.0 m. Trial pit terminated due to strong rock.

Groundwater: None encountered.



Project Name Moorland Plastics	Project No. 34235	Co-ords: - Level: -	Date 25/10/2011
Location: Barnsley	Dimensions: 2.50m Depth 3.25m 0.70m		Scale 1:25
Client: Gleeson Developments Ltd.			Logged By DES

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.10	D					TOPSOIL: Brown sand with fragments of flaggy shale.
			0.30			MADE GROUND: Loose cobbly SAND. Cobbles are angular and of shale.
0.50	D					MADE GROUND: Stiff orange CLAY.
0.80	D					MADE GROUND: Reworked soft orange gravelly cobbly CLAY. Gravel and cobbles are of very dark grey shale and dull coal. [Localised area of deep reworking - suspected historical excavation].
2.30	D					
			2.65			Black thinly laminated shaley COAL with ironstone staining.
			2.85			Stiff dry light grey cobbly CLAY. Cobbles are of mudstone. Becoming sandy with depth.
			3.25			Trialpit Complete at 3.25 m

Remarks: Sides unstable from 0 to 0.65 m. Trial pit terminated due to strong rock.

Groundwater: Wet from 0.85 to 2.65 m.



Project Name

Moorland Plastics

Project No.

34235

Co-ords: -

Level: -

Date

25/10/2011

Location: Barnsley

Dimensions: 2.50m

Scale

1:25

Client: Gleeson Developments Ltd.

Depth
4.10m

0.70m



Logged By

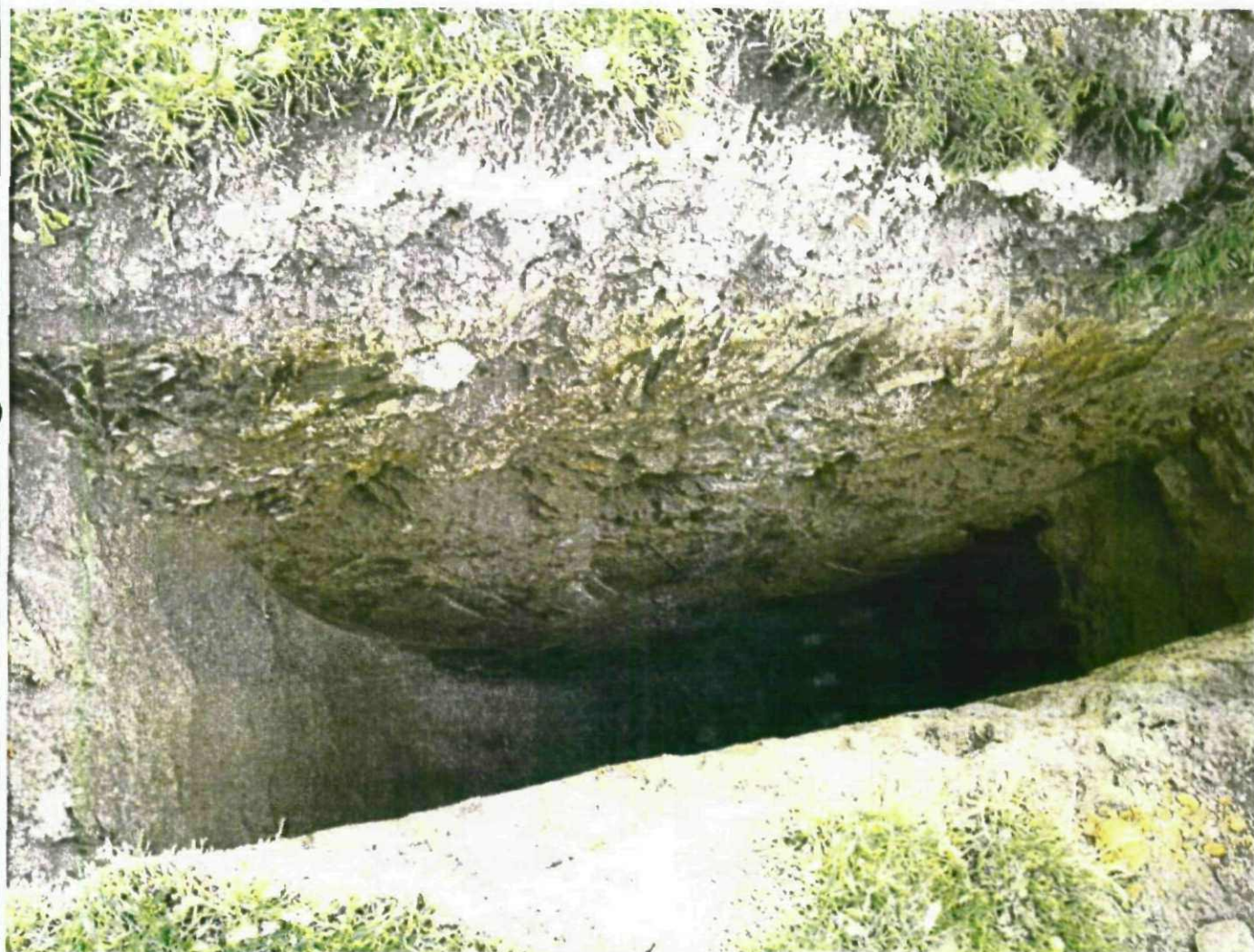
DES

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.20	D		0.30			TOPSOIL: Brown dry clayey sand with rootlets.
0.70	D		0.90			MADE GROUND: Dry gravelly sandy CLAY.
1.20 1.20	IPP D	450	1.75			MADE GROUND: Dry gravelly sandy clay in E side of pit. Very stiff, dry orange to grey silty sandy CLAY in W side of pit. Concrete slab in east side of pit from 0.9 to 1.2 m. Large ceramic bowl (~0.5 m diameter) in east side of pit from 1.3 to 1.75 m.
			1.75			Firm to stiff orange sandy gravelly CLAY. Gravel is coarse and of shale.
			3.15			Dark grey to orange SHALE becoming coal. Indistinct boundary.
			3.25			Black thickly laminated shaley COAL with ironstone staining.
3.60	D		3.65			Soft orange grey CLAY becoming weak mudstone.
			3.75			Trialpit Complete at 4.10 m

Remarks: Fairly unstable between 0 and 1.75 m. Trial pit terminated due to strong rock.

Groundwater: None encountered.





Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P008
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood & Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNSELY

TRIAL PIT 1 SHOWING MADE GROUND OVER CLAY



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P009
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood&Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNSELY

TRIAL PIT 1 POSITION



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P010
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood & Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNSELY

TRIAL PIT 2 SHOWING POSSIBLE OLD TOPSOIL LAYER



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P011
----------	-----	---------	-----	------	------------	---------------	------------

<p style="text-align: center;">E+P Eastwood&Partners <small>CONSULTING ENGINEERS</small></p> <p>St Andrew's House 23 Kingfield Road Sheffield S11 9AS</p> <p>Tel: (0114) 2554554 Fax: (0114) 2554330</p>	<p>GLEESON DEVELOPMENTS LTD</p> <p>FORMER MOORLAND PLASTICS SITE, BARNSELY</p> <p>TRIAL PIT 2 POSITION</p>
--	---



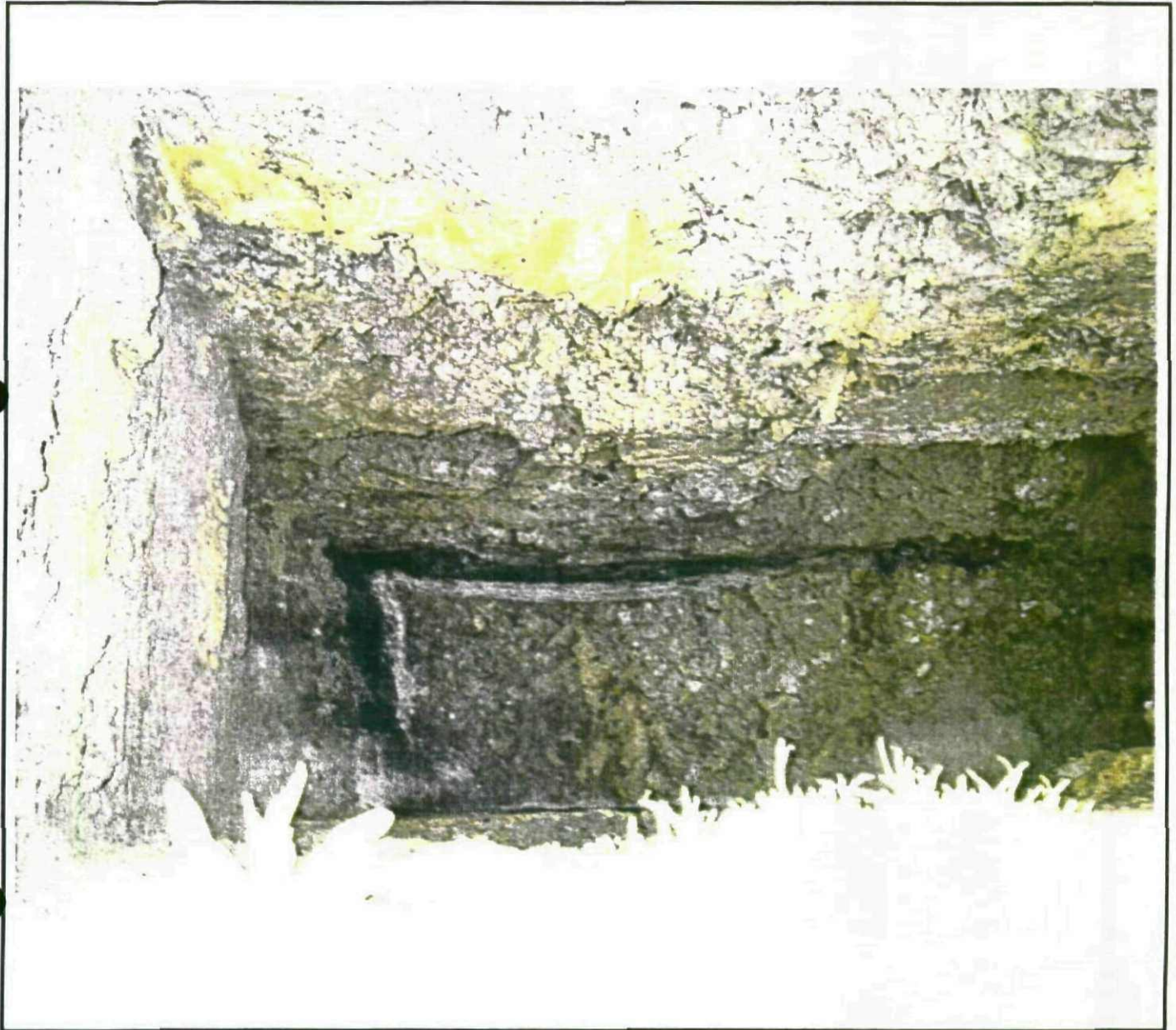
Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P012
----------	-----	---------	-----	------	------------	---------------	------------

<p>E+P Eastwood&Partners <small>CONSULTING ENGINEERS</small></p> <p>St Andrew's House 23 Kingfield Road Sheffield S11 9AS</p> <p>Tel: (0114) 2554554 Fax: (0114) 2554330</p>	<p>GLEESON DEVELOPMENTS LTD</p> <p>FORMER MOORLAND PLASTICS SITE, BARNSELY</p> <p>TRIAL PIT 3 SHOWING MADE GROUND (SANDSTONE COBBLES) OVER CLAY</p>
--	--



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P013
----------	-----	---------	-----	------	------------	---------------	------------

<p style="text-align: center;">E & P Eastwood & Partners <small>CONSULTING ENGINEERS</small></p> <p style="text-align: center;">St Andrew's House 23 Kingfield Road Sheffield S11 9AS</p> <p>Tel: (0114) 2554554 Fax: (0114) 2554330</p>	<p>GLEESON DEVELOPMENTS LTD</p> <p>FORMER MOORLAND PLASTICS SITE, BARNSELY</p> <p>TRIAL PIT 3 POSITION</p>
---	---



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P014
----------	-----	---------	-----	------	------------	---------------	------------

<p>E+P Eastwood & Partners CONSULTING ENGINEERS</p> <p>St Andrew's House 23 Kingfield Road Sheffield S11 9AS</p> <p>Tel: (0114) 2554554 Fax: (0114) 2554330</p>	<p>GLEESON DEVELOPMENTS LTD</p> <p>FORMER MOORLAND PLASTICS SITE, BARNSELY</p> <p>TRIAL PIT 4 SHOWING COAL AT BASE</p>
---	---



Prepared

DES

Checked

CAT

Date

24.10.2011

Photograph No

34235/P015

E+P
Eastwood & Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNLEY

TRIAL PIT 4 LOCATION



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P016
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood&Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNSELY

TRIAL PIT 5 SHOWING BRICK WALL



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P017
----------	-----	---------	-----	------	------------	---------------	------------

<p>E+P Eastwood&Partners CONSULTING ENGINEERS</p> <p>St Andrew's House 23 Kingfield Road Sheffield S11 9AS</p> <p>Tel: (0114) 2554554 Fax: (0114) 2554330</p>	<p>GLEESON DEVELOPMENTS LTD</p> <p>FORMER MOORLAND PLASTICS SITE, BARNLEY</p> <p>TRIAL PIT 5 SHOWING COAL AT BASE</p>
---	--



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P018
----------	-----	---------	-----	------	------------	---------------	------------

E & P
Eastwood & Partners
 CONSULTING ENGINEERS

St Andrew's House
 23 Kingfield Road
 Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNSELY

TRIAL PIT 5 LOCATION



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P019
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood & Partners
CONSULTING ENGINEERS

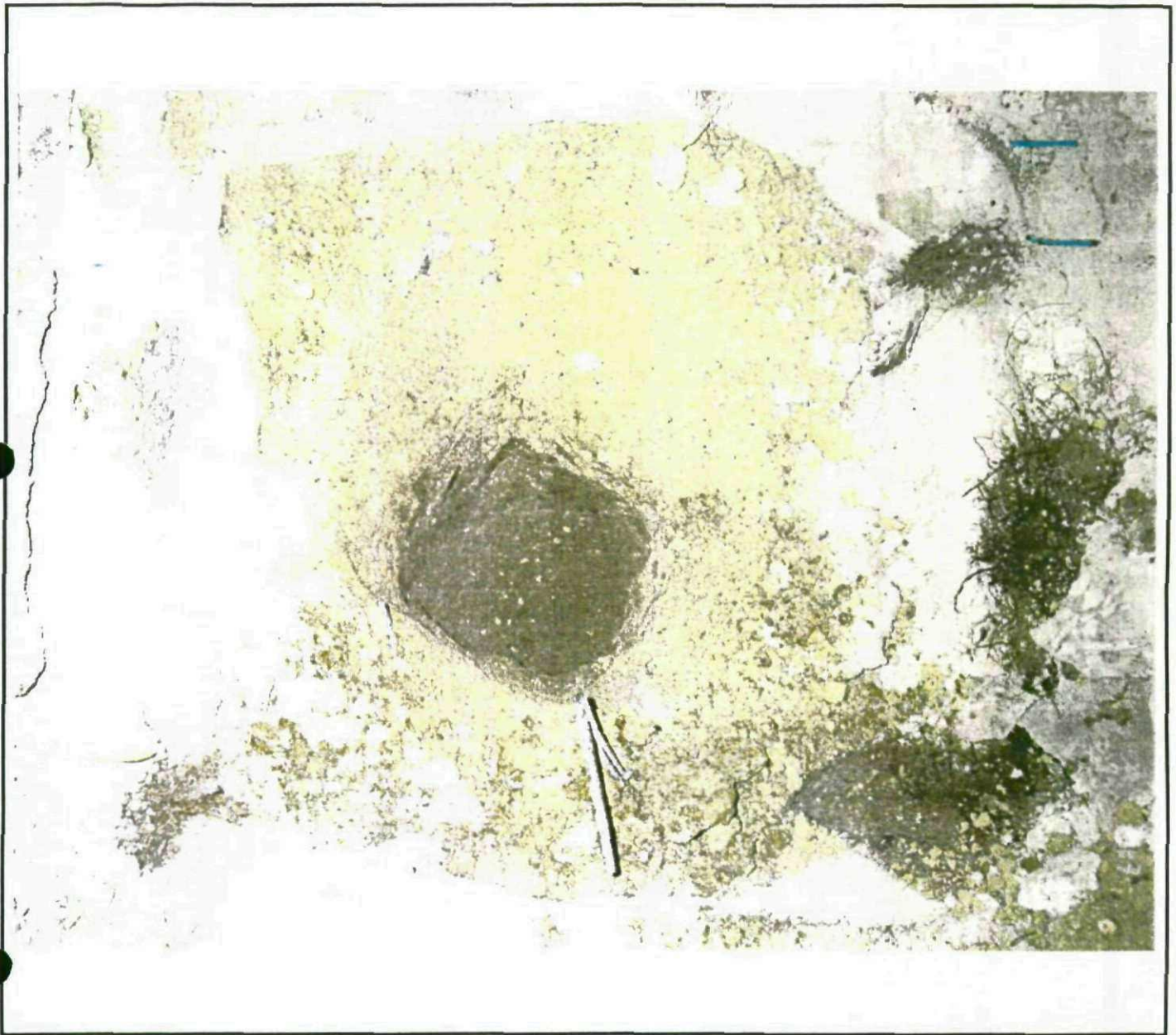
St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNLEY

TRIAL PIT 6 SHOWING MADE GROUND OVER CLAY



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P020
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood & Partners
CONSULTING ENGINEERS

St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNSELY

INTERNAL TRIAL PIT N



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P021
----------	-----	---------	-----	------	------------	---------------	------------

E+P
Eastwood & Partners
CONSULTING ENGINEERS

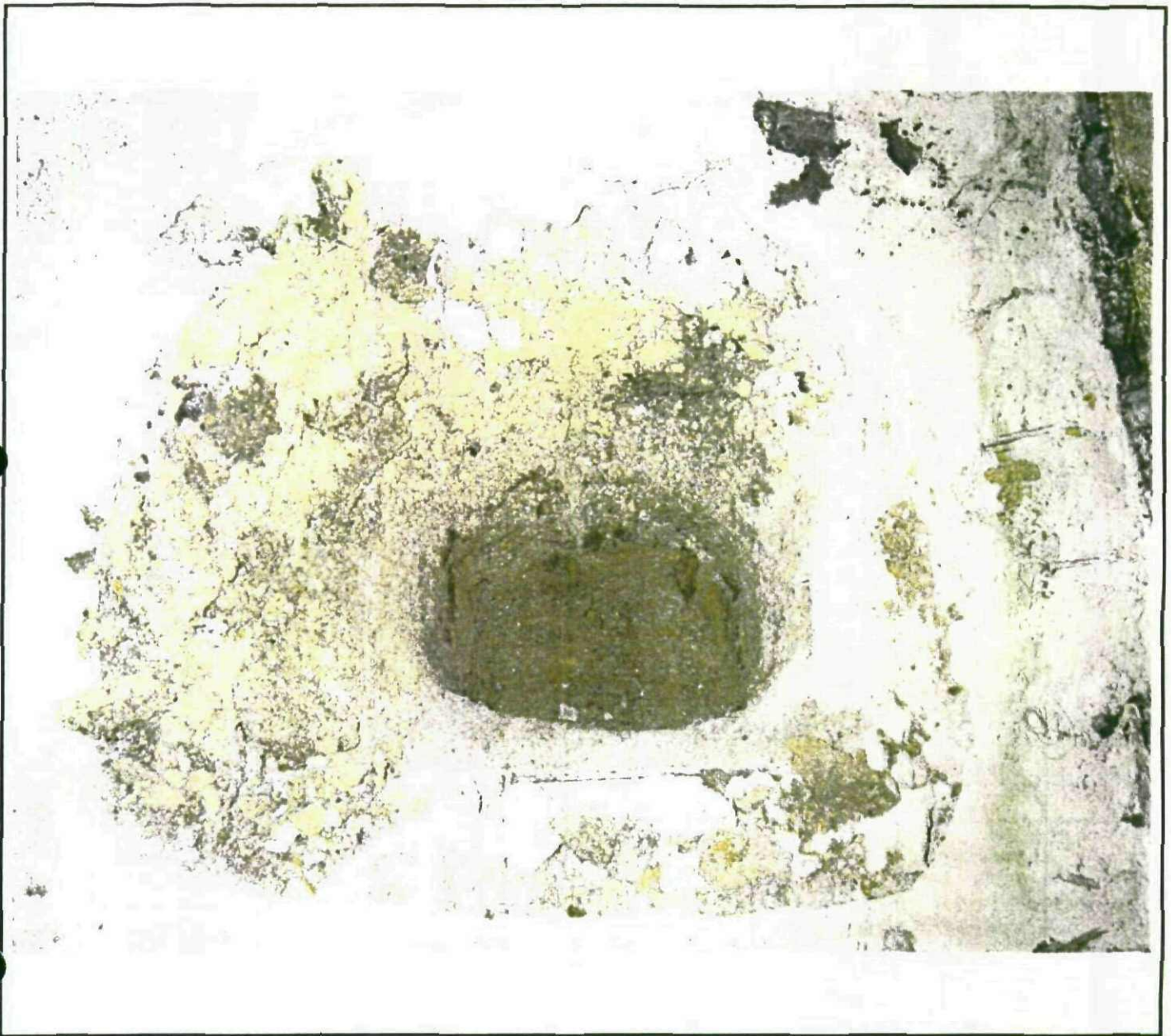
St Andrew's House
23 Kingfield Road
Sheffield S11 9AS

Tel: (0114) 2554554 Fax: (0114) 2554330

GLEESON DEVELOPMENTS LTD

FORMER MOORLAND PLASTICS SITE, BARNSELY

INTERNAL TRIAL PIT N LOCATION



Prepared	DES	Checked	CAT	Date	24.10.2011	Photograph No	34235/P022
----------	-----	---------	-----	------	------------	---------------	------------

<p>E+P Eastwood & Partners <small>CONSULTING ENGINEERS</small></p> <p>St Andrew's House 23 Kingfield Road Sheffield S11 9AS</p> <p>Tel: (0114) 2554554 Fax: (0114) 2554330</p>	<p>GLEESON DEVELOPMENTS LTD</p> <p>FORMER MOORLAND PLASTICS SITE, BARNSELY</p> <p>INTERNAL TRIAL PIT S</p>
---	---



GROUND SUPPORT SERVICES (UK) LTD
 GEOTECHNICAL AND GROUND SUPPORT FOUNDATION SPECIALISTS

Ivy mount, High Road, Carlton in Lindrick, Worksop, Notts, England, S819EB
 Phone: 0800 458 6004 Email: drillrig@hotmail.com Fax: 01909 540756

Site Investigation Drillers log	Site: Moorland Au	Sheet: 1 of 1
Rig: Soilmecc 400	Crew: Pilkington M Hogard	Date: 1-11-11

Hours on site: _____ Travelling Time: _____

Equipment used: _____

BH	Depth	Strata Description	BH	Depth	Strata Description
	move to	Bh 3		Set up	for water flush
3	0.00-0.10	Soil	4	0.00-0.10	Soil
	0.10-1.70	made ground no returns		0.10-0.70	Clay brown
	1.70-2.90	mudstone brown weathered		0.70-4.70	mudstone brown weathered
	2.90-3.40	Coal weathered		4.70-6.10	mudstone black
	3.40-4.20	mudstone brown		6.10-6.30	Coal
	4.20-10.90	mudstone grey		6.30-14.60	mudstone grey
	10.90-11.50	Coal		14.60-15.20	Coal
	11.50-12.50	mudstone grey		15.20-16.10	mudstone grey
	12.50-13.00	Sandstone grey		16.10-16.60	Sandstone grey
	13.00-15.00	mudstone grey		16.60-18.00	mudstone grey
				move rig	re water flush
	move to	Bh 6		equipment	from
				Moorland	Au.
				Set up	for water flush

Casing / Water level details

BH	Casing Die	Casing Depth	Strike	Water Rise	Sealed	Totals	BH's	Drill	Case	Corc
3	PW	3.00				Today	2	33.00	4.50	
6	PW	1.50				Previous	2	33.00	5.00	
						To date	4	66.00	9.50	

Signed  Driller

Appendix 4
Geotechnical Test Results - PSL11/2960



LABORATORY REPORT



4043

Contract Number: PSL11/2960

Client's Reference:

Report Date: 09 November 2011

Client Name: Eastwood & Partners
St Andrews House
23 Kingfield Road

Sheffield
S11 9AS

For the attention of: JM Wood

Contract Title: Former Moorland Plastic Site, Barnsley.

Date Received: 28-October-11
Date Commenced: 28-October-11
Date Completed: 09-November-11

Notes: Observations and Interpretations are outside the UKAS Accreditation

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

R Gunson
(Director)

A Watkins
(Director)

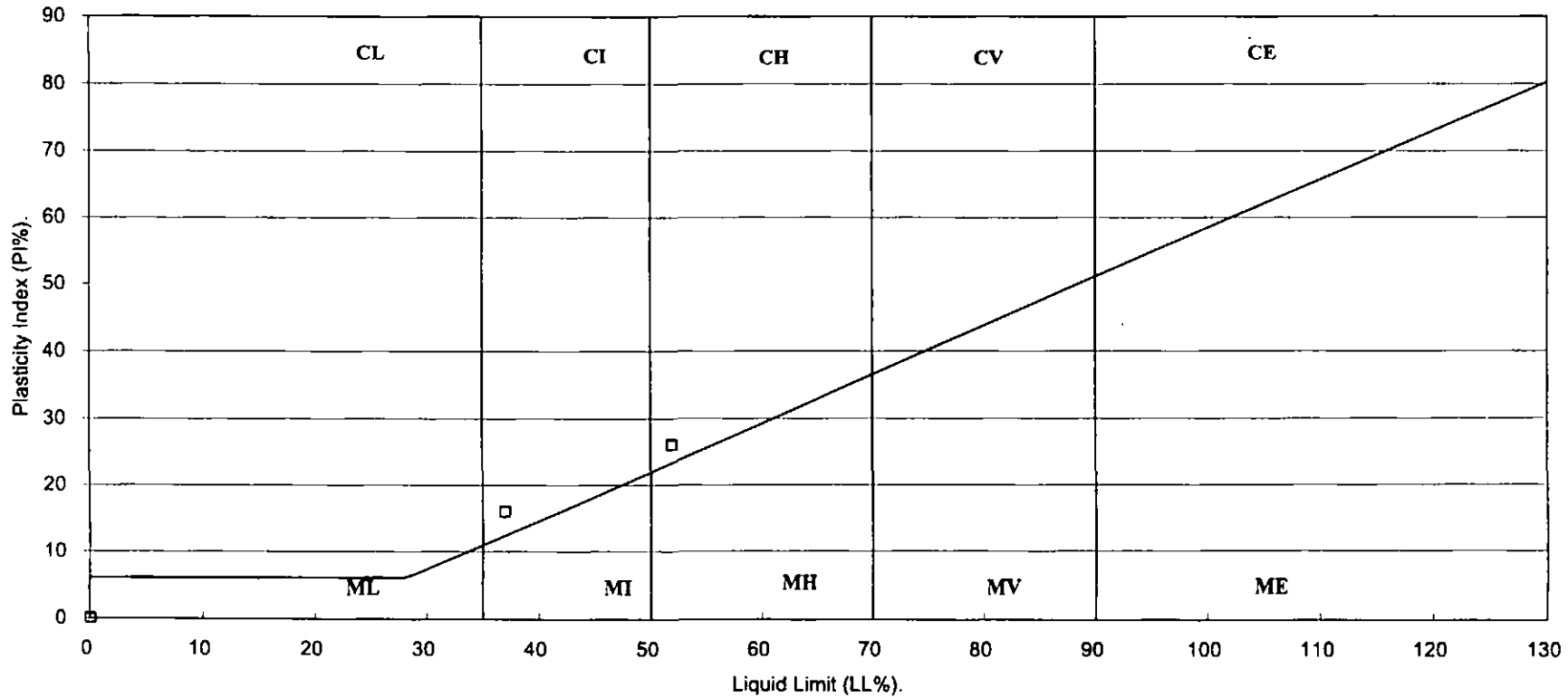
M Beastall
(Laboratory Manager)

5 - 7 Hexthorpe Road, Hexthorpe,
Doncaster DN4 0AR
tel: +44 (0)844 815 6641
fax: +44 (0)844 815 6642
e-mail: rgunson@prosoils.co.uk
awatkins@prosoils.co.uk

Page 1 of

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.

(B.S.5930 : 1999)



Compiled by	Date	Checked by	Date	Approved by	Date
<i>[Signature]</i>	09/11/11	<i>[Signature]</i>	09/11/11	<i>[Signature]</i>	09/11/11
FORMER MOORLAND PLASTICS SITE, BARNSELY.				Contract No:	PSL11/2960
				Client Ref:	

Appendix 5
Chemical test results – Chemtest 150312
Table of Assessment Values

Eastwood & Partners
St. Andrews House
23 Kingfield Road
Sheffield
S11 9AS

FAO Kate Edwards
02 November 2011

Dear Kate Edwards

Test Report Number 150312
Your Project Reference Moorland Plastic, Barnsley - 34235-004

Please find enclosed the results of analysis for the samples received 27 October 2011.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

<input type="checkbox"/> Darrell Hall	Director
<input type="checkbox"/> Phil Hellier	Director
<input checked="" type="checkbox"/> Keith Jones	Technical Manager
<input type="checkbox"/> John Crawford	Quality Manager
<input type="checkbox"/> Malcolm Avis	Director



2183



Notes to accompany report.

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCERTS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are outside of the scope of UKAS accreditation
- The results relate only to the items tested
- Stones represent the quantity of material removed prior to analysis
- All results are expressed on a dry weight basis
- The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, phenols
- For all other tests the samples were dried at < 37°C prior to analysis
- Uncertainties of measurement for the determinands tested are available upon request
- Soil descriptions, including colour and texture, are beyond the scope of MCERTS accreditation
- None of the test results included in this report have been recovery corrected

Eastwood & Partners
 St. Andrews House
 23 Kingfield Road
 Sheffield
 S11 9AS

LABORATORY TEST REPORT



Results of analysis of 12 samples
 received 27 October 2011

Report Date
 02 November 2011

FAO Kate Edwards

Moorland Plastic, Barnsley - 34235-004

Login Batch No

Chemtest LIMS ID

Sample ID
 Sample No
 Sampling Date

Depth

Matrix

SOP↓ Determinand↓

CAS No↓

Units↓

*

				150312							
				AG63434	AG63435	AG63436	AG63437	AG63438	AG63439	AG63440	AG63441
				TP2	TP4	TP6	TP1	TP2	TP3	TP5	TP6
				26/10/2011	26/10/2011	26/10/2011	26/10/2011	26/10/2011	26/10/2011	26/10/2011	26/10/2011
				0.2m	0.1m	0.1m	0.4m	0.65m	1m	0.5m	0.7m
				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SOP↓	Determinand↓	CAS No↓	Units↓								
2175	Sulfur (total TRL report 447)		%				0.090	0.040	0.020	0.28	0.060
2120	Sulfate (2:1 water soluble) as SO4	14808798	g l ⁻¹				0.01	<0.01	0.02	0.05	0.01
2490	Chromium (hexavalent)	18540299	mg kg ⁻¹	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2430	Sulfate (total BS1377 HCl extract)	14808798	%				0.04	0.01	<0.01	0.06	0.02
2450	Arsenic	7440382	mg kg ⁻¹	26	30	24	25	24	23	55	30
	Cadmium	7440439	mg kg ⁻¹	0.25	0.30	3.0	0.35	<0.10	<0.10	0.19	0.21
	Chromium	7440473	mg kg ⁻¹	28	29	42	22	26	24	25	30
	Copper	7440508	mg kg ⁻¹	45	58	95	44	44	37	120	64
	Mercury	7439976	mg kg ⁻¹	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	Nickel	7440020	mg kg ⁻¹	24	40	34	24	42	35	43	45
	Lead	7439921	mg kg ⁻¹	33	37	70	56	15	11	24	73
	Selenium	7782492	mg kg ⁻¹	<0.20	0.38	<0.20	0.32	<0.20	0.38	0.40	<0.20
	Zinc	7440666	mg kg ⁻¹	160	180	330	150	120	78	130	350
2670	Total Petroleum Hydrocarbons		mg kg ⁻¹								
2800	Naphthalene	91203	mg kg ⁻¹	0.2	0.4	0.5	0.4	0.9	0.6	1.2	1
	Acenaphthylene	208968	mg kg ⁻¹	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
	Acenaphthene	83329	mg kg ⁻¹	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2
	Fluorene	86737	mg kg ⁻¹	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
	Phenanthrene	85018	mg kg ⁻¹	0.7	1.2	1	2.2	0.5	0.2	2.1	2.9
	Anthracene	120127	mg kg ⁻¹	<0.1	0.2	0.2	0.8	<0.1	<0.1	0.4	0.6
	Fluoranthene	206440	mg kg ⁻¹	1.3	1.4	1.4	4.3	0.3	<0.1	2.2	4.2
	Pyrene	129000	mg kg ⁻¹	1.2	1	1.1	3.6	<0.1	<0.1	1.8	3.5
	Benzo[a]anthracene	56553	mg kg ⁻¹	0.4	0.4	0.6	2.1	<0.1	<0.1	0.8	1.8
	Chrysene	218019	mg kg ⁻¹	0.5	0.4	0.5	2.1	<0.1	<0.1	0.8	1.8
	Benzo[b]fluoranthene	205992	mg kg ⁻¹	0.6	0.5	0.6	2.6	<0.1	<0.1	0.9	2.2
	Benzo[k]fluoranthene	207089	mg kg ⁻¹	0.2	<0.1	<0.1	0.9	<0.1	<0.1	0.3	0.9

All tests undertaken between 25/10/2011 and 02/11/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 1 of 2

LIMS sample ID range AG63434 to AG63445

Eastwood & Partners
 St. Andrews House
 23 Kingfield Road
 Sheffield
 S11 9AS

LABORATORY TEST REPORT



Results of analysis of 12 samples
 received 27 October 2011

Report Date
 02 November 2011

FAO Kate Edwards

Moorland Plastic, Barnsley - 34235-004

Login Batch No

Chemtest LIMS ID

Sample ID
 Sample No
 Sampling Date
 Depth
 Matrix

SOP↓ Determinand↓

CAS No↓

Units↓

				150312			
				AG63442	AG63443	AG63444	AG63445
				TP2	TP4	TP5	ITPS
				26/10/2011	26/10/2011	26/10/2011	26/10/2011
				1.15m	0.8m	1.5m	0.45m
				SOIL	SOIL	SOIL	SOIL
2175	Sulfur (total TRL report 447)		%		0.040	0.030	0.020
2120	Sulfate (2:1 water soluble) as SO4	14808798	g l ⁻¹		0.02	0.02	0.04
2490	Chromium (hexavalent)	18540299	mg kg ⁻¹		<0.5	<0.5	<0.5
2430	Sulfate (total BS1377 HCl extract)	14808798	%		<0.01	<0.01	<0.01
2450	Arsenic	7440382	mg kg ⁻¹		24	17	20
	Cadmium	7440439	mg kg ⁻¹		0.12	<0.10	<0.10
	Chromium	7440473	mg kg ⁻¹		22	29	29
	Copper	7440508	mg kg ⁻¹		38	31	34
	Mercury	7439976	mg kg ⁻¹		<0.10	<0.10	<0.10
	Nickel	7440020	mg kg ⁻¹		31	29	17
	Lead	7439921	mg kg ⁻¹		20	10	9.8
	Selenium	7782492	mg kg ⁻¹		<0.20	<0.20	<0.20
	Zinc	7440666	mg kg ⁻¹		120	110	64
2670	Total Petroleum Hydrocarbons		mg kg ⁻¹	< 10			
2800	Naphthalene	91203	mg kg ⁻¹		1.1	1.4	<0.1
	Acenaphthylene	208968	mg kg ⁻¹		<0.1	<0.1	<0.1
	Acenaphthene	83329	mg kg ⁻¹		<0.1	<0.1	<0.1
	Fluorene	86737	mg kg ⁻¹		<0.1	<0.1	<0.1
	Phenanthrene	85018	mg kg ⁻¹		0.2	0.1	<0.1
	Anthracene	120127	mg kg ⁻¹		<0.1	<0.1	<0.1
	Fluoranthene	206440	mg kg ⁻¹		<0.1	<0.1	<0.1
	Pyrene	129000	mg kg ⁻¹		<0.1	<0.1	<0.1
	Benzo[a]anthracene	56553	mg kg ⁻¹		<0.1	<0.1	<0.1
	Chrysene	218019	mg kg ⁻¹		<0.1	<0.1	<0.1
	Benzo[b]fluoranthene	205992	mg kg ⁻¹		<0.1	<0.1	<0.1
	Benzo[k]fluoranthene	207089	mg kg ⁻¹		<0.1	<0.1	<0.1

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Eastwood & Partners
St. Andrews House
23 Kingfield Road
Sheffield
S11 9AS

FAO Kate Edwards

LABORATORY TEST REPORT

Results of analysis of 12 samples
received 27 October 2011

Moorland Plastic, Barnsley - 34235-004



Report Date
02 November 2011

				150312								
				AG63434	AG63435	AG63436	AG63437	AG63438	AG63439	AG63440	AG63441	
				TP2	TP4	TP6	TP1	TP2	TP3	TP5	TP6	
				26/10/2011	26/10/2011	26/10/2011	26/10/2011	26/10/2011	26/10/2011	26/10/2011	26/10/2011	
				0.2m	0.1m	0.1m	0.4m	0.65m	1m	0.5m	0.7m	
				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
2800	Benzo[a]pyrene	50328	mg kg ⁻¹	M	0.3	0.2	0.3	1.5	<0.1	<0.1	0.5	1.4
	Dibenzo[a,h]anthracene	53703	mg kg ⁻¹	N	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Indeno[1,2,3-cd]pyrene	193395	mg kg ⁻¹	M	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	0.2
	Benzo[g,h,i]perylene	191242	mg kg ⁻¹	M	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	0.1	0.4
	Total (of 16) PAHs		mg kg ⁻¹	N	5.3	5.8	6.1	21	<2	<2	11	21
2810	2,4,4'-Trichlorobiphenyl	7012375	mg kg ⁻¹	N					<0.1			
	2,2',5,5'-Tetrachlorobiphenyl	35693993	mg kg ⁻¹	N					<0.1			
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	mg kg ⁻¹	N					<0.1			
	2,3,4,4',5-Pentachlorobiphenyl	31508006	mg kg ⁻¹	N					<0.1			
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	mg kg ⁻¹	N					<0.1			
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	mg kg ⁻¹	N					<0.1			
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	mg kg ⁻¹	N					<0.1			
2010	pH			M	7.2	7.4	7.7	7.9	7.8	7.9	7.8	8.2
2030	Moisture		%	n/a	13.4	11.6	13.1	9.09	9.92	9.17	10.8	10.1
	Stones content (>50mm)		%	n/a	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2040	Soil colour			n/a	brown	brown	brown	brown	brown	brown	brown	brown
	Soil texture			n/a	sand	sand	sand	sand	sand	sand	sand	sand
	Other material			n/a	stones	stones	stones	stones	stones	stones	stones	stones
2186	Asbestos Containing Material			U	not found	not found	not found	not found	not found	not found	not found	not found

All tests undertaken between 25/10/2011 and 02/11/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 2 of 2

LIMS sample ID range AG63434 to AG63445

Eastwood & Partners
 St. Andrews House
 23 Kingfield Road
 Sheffield
 S11 9AS

LABORATORY TEST REPORT



Results of analysis of 12 samples
 received 27 October 2011

Report Date
 02 November 2011

FAO Kate Edwards

Moorland Plastic, Barnsley - 34235-004

				150312			
				AG63442	AG63443	AG63444	AG63445
				TP2	TP4	TP5	ITPS
				26/10/2011	26/10/2011	26/10/2011	26/10/2011
				1.15m	0.8m	1.5m	0.45m
				SOIL	SOIL	SOIL	SOIL
2800	Benzo[a]pyrene	50328	mg kg ⁻¹	M	<0.1	<0.1	<0.1
	Dibenzo[a,h]anthracene	53703	mg kg ⁻¹	N	<0.1	<0.1	<0.1
	Indeno[1,2,3-cd]pyrene	193395	mg kg ⁻¹	M	<0.1	<0.1	<0.1
	Benzo[g,h,i]perylene	191242	mg kg ⁻¹	M	<0.1	<0.1	<0.1
	Total (of 16) PAHs		mg kg ⁻¹	N	<2	<2	<2
2810	2,4,4'-Trichlorobiphenyl	7012375	mg kg ⁻¹	N			
	2,2',5,5'-Tetrachlorobiphenyl	35693993	mg kg ⁻¹	N			
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	mg kg ⁻¹	N			
	2,3,4,4',5-Pentachlorobiphenyl	31508006	mg kg ⁻¹	N			
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	mg kg ⁻¹	N			
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	mg kg ⁻¹	N			
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	mg kg ⁻¹	N			
2010	pH			M	7.4	7.4	7.6
2030	Moisture		%	n/a	12.4	18.9	16.2
	Stones content (>50mm)		%	n/a	<0.02	<0.02	<0.02
2040	Soil colour			n/a	brown	brown	brown
	Soil texture			n/a	sand	sand	sand
	Other material			n/a	stones	stones	stones
2186	Asbestos Containing Material			U			

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Inorganics	Intended Land Use
	Residential (mg/kg)
Arsenic	32
Cadmium	10
Chromium	130
Chromium (VI)	4.3
Lead	450
Mercury	1
Nickel	130
Selenium	350
Copper	80 ^{*1} (200 above pH7)
Zinc	200 ^{*1} (300 above pH7)

Notes:

*1 - These are pH dependent; the most conservative value is given in this case.

The assessment values for the first seven metals or metalloids (arsenic to selenium) are the Soil Guideline Values (SGVs) derived by DEFRA and Environment Agency using the 'Contaminated Land Exposure Assessment' model. The assessment concentrations for arsenic, cadmium, nickel, mercury and selenium are outlined in the Environment Agency's Science Report series SC050021. These are based on a sandy loam soil and 6% soil organic matter. The assessment concentrations for the remaining metals/metalloids are described in the Contaminated Land Report Series (CLR), which have now been withdrawn.

The SGV threshold value is not intended to be applied to individual sample results where materials are similar, as the levels of contaminants will have a natural variability across the site. The modified mean value should instead be compared with the SGV.

The assessment values for the metals copper and zinc are levels at which plant growth is thought to be affected. The assessment values for copper and zinc are taken from the maximum permissible and advisable concentrations in soil after application of soil sludge given in the 'The Code of Good Agricultural Practice for the Protection of Soil', MAFF, 1998.

The assessment of sulphate, water soluble sulphate, elemental sulphur and sulphide is to determine the aggressive nature of the ground with respect to concrete and consequently the results are compared with BRE Special Digest 1:2005 'Concrete in Aggressive Ground'.

Prepared	DES	Checked	CAT	Date	10.11.11	Job No	34235
----------	-----	---------	-----	------	----------	--------	-------

<p>E + P Eastwood & Partners <small>CONSULTING ENGINEERS</small> St Andrew's House 23 Kingfield Road Sheffield S11 9AS Tel: (0114) 2554554 Fax: (0114) 2554330</p>	<p>GLEESON DEVELOPMENTS LTD. MOORLAND PLASTICS, BARNSELY GENERIC ASSESSMENT CRITERIA - RESIDENTIAL</p>
--	---

Organic Compounds	Intended Land Use Residential (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Naphthalene	1.5	3.7	8.7
Acenaphthene	210	480	1000
Acenaphthylene	170	400	850
Fluorene	160	380	780
Phenanthrene	92	200	380
Anthracene	2,300	4,900	9,200
Fluoranthene	260	460	670
Pyrene	560	1,000	1,600
Benzo(a)anthracene	3.1	4.7	5.9
Chrysene	6.0	8.0	9.3
Benzo(b)fluoranthene	5.6	6.5	7.0
Benzo(k)fluoranthene	8.5	9.6	10
Benzo(a)pyrene	0.83	0.94	1.0
Dibenz(a,h)anthracene	0.76	0.86	0.90
Indeno(1,2,3-cd)pyrene	3.2	3.9	4.2
Benzo(g,h,i)perylene	44	46	47

The assessment criteria for chromium (VI) and the sixteen polycyclic aromatic hydrocarbon (PAH) species covered under the USEPA test have been taken from Nathanail, C. P., McCaffrey, C., Ashmore, M. H., Cheng, Y. Y., Gillett, A., Ogden, R. & Scott, D., 2009 'The LQMICIEH Generic Assessment Criteria for Human Health Risk Assessment 2nd Edition', Land Quality Press, Nottingham. These are also all based on a sandy loam soil.

Prepared	DES	Checked	CAT	Date	10.11.11	Job No	34235
----------	-----	---------	-----	------	----------	--------	-------

<p>E & P Eastwood & Partners <small>CONSULTING ENGINEERS</small> St Andrew's House 23 Kingfield Road Sheffield S11 9AS</p> <p>Tel: (0114) 2554554 Fax: (0114) 2554330</p>	<p>GLEESON DEVELOPMENTS LTD. MOORLAND PLASTICS, BARNSELY GENERIC ASSESSMENT CRITERIA - RESIDENTIAL</p>
--	---