



Barnsley Road, Goldthorpe, South Yorkshire
Phase I Geo-Environmental Assessment
For
Aldi Stores Ltd & Quora Ltd.

Report Ref	Issue	Prepared by	Date	Reviewed by	Date
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Barnsley Road, Goldthorpe, South Yorkshire
Phase I Geo-Environmental Assessment

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EXECUTIVE SUMMARY

Land Use	The site is currently unoccupied grazing land, which is roughly triangular and generally level. The boundaries are marked by hedgerows and wooden fencing. The site lies at a lower level than the land to the north, east and south which rise towards the east. Residential properties lie to the east with agricultural land beyond highways on the other site boundaries During the walkover, no evidence of potential contamination sources was observed.
Site History	The site has no history of previous contaminative use and has remained undeveloped since 1854. No significant contaminative industry has historically operated adjacent to the site apart from a brick works some 250m to SW, which was present between 1905 and 1962.
Environmental Setting	• Geological information indicates the site to be underlain directly by Middle Coal Measures bedrock • No landfills recorded within 250m. • Thurnscoe dike lies 182m to the north. • The underlying strata are classed as a Minor Aquifer (Secondary A). • The site is not recorded to be at risk from flooding. • There are no licensed groundwater abstractions within 1km. • There are no discharge consents within 250m. • Radon protection measures are not required for future developments. • There are no Local Authority Pollution and Prevention Controls within
Contamination	Based on the site history and walkover survey, it is considered that the site itself presents a low environmental risk with respect to contamination.
Mining	The Coal Authority record workings beneath the site in 5 seams of coal between 280m and 810m depth. The Coal Authority also believes that the site is in an area where coal exists at or close to the surface which may have been worked at some time in the past. . In addition a shaft has been identified on the north site boundary, which is understood to have been 27m deep. Based on the available information it is possible that shallow coal workings are present beneath the site and it is recommended that a rotary drilling investigation is carried out to confirm the geology with respect to shallow workings.
Ground Gas	Ground gas risk is considered low to medium. Gas monitoring is required.
Foundations	It is likely that the site will be suitable for shallow strip or pad foundations terminating in the natural superficial deposits. Foundations should extend below made ground and any existing foundations and take account of the presence of mature trees on site boundaries. A ground may floor slab is likely to be suitable subject to re-engineering of any made ground.
Ground Investigation	A ground investigation is required to confirm the site conditions. This should include as a minimum: trial pits or mini-percussive holes, rotary drilling, gas monitoring installations, geotechnical and chemical laboratory analysis.



1 INTRODUCTION

1.1 3e Consulting Engineers Ltd (3e) were commissioned by Aldi Stores Ltd to carry out a Phase I Geo-Environmental assessment of land off Barnsley Road in Goldthorpe, South Yorkshire. This report highlights ground related environmental and geotechnical considerations in relation to the proposed development which includes the construction of an Aldi Store with associated car parking and soft landscaping, as indicated on the outline site plan included in **Appendix A**.

1.2 The objectives of this assessment were:

- To establish the historical development of the site and surrounding area.
- To establish the environmental setting of the site.
- To assess the potential impact of subsurface mining on the proposed development.
- To determine if historical or current activities could give rise to significant ground or groundwater contamination.
- To assess the potential for hazardous ground gas.
- To determine the potential risks posed by contamination arising from historical or current activities on or in the vicinity of the site.

1.3 To this end the study has included a site visit, an inspection of historical maps, a review of environmental data held on publicly available registers and other sources as indicated within the report.

1.4 This report presents the factual information available during this appraisal, interpretation of the data obtained and recommendations relevant to the scope of works outlined above. It has been assumed in the production of this report that the site is to be developed for a commercial end use.

1.5 The comments and opinions presented in this report are based on the findings of the available desk study investigation carried out by 3e. Responsibility cannot be accepted for any conditions not revealed by this desk study and which have not been taken into account by this report.



1.6 This report has been prepared for the sole use of Aldi Stores Ltd. No other third party may rely upon or reproduce the contents of this report without the written approval of 3e. If any unauthorised third party comes into possession of this report, they rely on it entirely at their own risk and 3E do not owe them any Duty of Care or Skill.

2 THE SITE

Location and Description

2.1 The site, centred on National Grid Reference 445010, 404280, is located on the west side of Goldthorpe, approximately 1km from the village centre.

2.2 The site is currently unoccupied grazing land, which is roughly triangular and generally level. During the walkover, evidence of potential contamination sources was not encountered.

2.3 The boundaries are marked by hedgerows and wooden fencing. The site lies at a lower level than the land to the north, east and south which rise towards the east.

2.4 The adjacent land use is as follows:

- North: Dearne Valley Parkway (A635), beyond which lies open farm land.
- South: Barnsley Road, beyond which lies open farm land.
- East: Residential development.
- West: Hollygrove Roundabout.

2.5 Photographs of the site are included as **Figure 2**.

3 SITE HISTORY

3.1 In order to establish the site's history an inspection of historical maps, dating between 1854 and 2013 and obtained as part of an Envirocheck report has been made (Ref. 54721541_1_1 dated 27 March 2014). A summary of the information is provided below and a copy of the maps is included as **Appendix B**.

Map Dates	On-Site Features	Relevant Off-Site Features
1854 -1905	Undeveloped agricultural land.	Barnsley Road, adjacent to south New Laithes Farm immediately to NW, later called Holly Grove.
1905-1962	No significant changes.	Goldthorpe Brickworks present 250m to SW.
1962 - 1995	No significant changes.	No significant changes.
1995 - 2006	No significant changes.	Dearne Valley Park (A635) constructed immediately to north.
2006 - present	No significant changes.	Residential development, adjacent to east.

3.2 In summary, the site has no history of previous contaminative use and has remained undeveloped. No significant contaminative industry has historically operated adjacent to the site apart from a brick works some 250m to SW, which was present between 1905 and 1962.

4 ENVIRONMENTAL SETTING

4.1 This section is based principally upon a search of information available on public registers through an Envirocheck search (Reference 54721541_1_1) included as **Appendix C**, together with other sources as indicated.

Geology and Mining

4.2 A summary of the site geology, based on available published information, is provided below.

Sources of Information	British Geological Survey (BGS) Sheet 87 Barnsley, 1:50 000 scale, Solid and Drift Edition. Coal Authority Mining Report. A Coal Authority mining report is included as Appendix D. BGS GeoIndex online database: 1 published borehole logs drilled near the site in the 1970's which is included in Appendix E.
Made Ground	None recorded on published maps. The previous boreholes recorded between 1.4m of topsoil, burnt shale and reworked soft to firm clay.
Superficial Deposits (drift)	The historical borehole records indicate firm yellow clay at approximately 1.4m to 1.9m depth.
Solid Geology	Carboniferous Middle Coal Measures, unnamed sandstone. The site lies in a faulted block, with the Shafton coal seam conjectured to crop some 500m to the south. According to a NERC publication of the Barnsley Coal Field the Shafton seam is between 1m and 2m thick. The historical borehole records indicate bedrock depth at approximately 1.9m and consists of bands of sandstone and mudstone to at least 4.4m depth.
Mining	The Coal Authority record workings beneath the site in 5 seams of coal between 280m and 810m depth. The Coal Authority also believes that the site is in an area where coal exists at or close to the surface which may have been worked at some time in the past. 1 mine entry is recorded on the northern site boundary which was filled by Barnsley MBC during the construction of the Dearne Valley Parkway. It should be noted that other unrecorded mine entries may be present. A supplementary interpretative report obtained from the Coal Authority for the recorded shaft is included as Appendix D. The report indicates the shaft to be immediately to the north of the site, is 2m wide and 27m deep. Based on this record it can be anticipated that this shaft would have been sunk to exploit the Shafton Coal seam.
Quarrying	None recorded on or immediately adjacent to the site.

Hydrology and Hydrogeology

4.3 A summary of available information pertaining to hydrology, hydrogeology, flood risk potential, water abstractions, discharge consents and pollution incidents to controlled waters is provided below.

Watercourses	Thurnscoe Dike 182m to north.
Flood Risk	The site does not lie within a fluvial flood plain considered to be at risk of flooding.
Groundwater Classification	Solid Geology: Minor Aquifer (Secondary A aquifer). Superficial Geology: NR.
Source Protection Zones	NR.
Springs	NR.
Wells	NR.
Licensed Surface Water Abstractions	NR within 1km.
Licensed Groundwater Abstractions	NR within 1km.
Discharge Consents	NR within 250m.
Pollution Incidents	NR within 250m.

NR – None Recorded

Landfill Sites and Waste Management

4.4 A summary of information regarding landfill sites (historical or current) and waste management facilities is provided below.

Local Authority Recorded Landfills	NR within 250m.
BGS / EA Recorded Landfills	NR within 250m.
Other Waste Management Facilities	1 registered waster transfer site 189m N; licence recorded as cancelled.

NR – None Recorded

Pollution Controls and Industrial Land Use

4.5 A summary of Pollution Control records and potentially polluting activities (fuel stations) is provided below.

Integrated Pollution Controls (IPC)	NR within 250m.
Integrated Pollution Prevention and Control (IPPC)	NR within 250m.
Pollution Prevention and Controls (PPC)	NR within 250m.
Petrol Filling Stations	NR within 250m.

NR – None Recorded

Radon

4.6 Radon protection measures are not required at this location.

Other

4.7 Other sensitive land uses or potentially contaminative activities are listed below. The entries relate to activities within approximately 250m of the site.

- 1 Contemporary Trade Directory Entry; inactive truck dealership 220m to north east.

5 CONCEPTUAL SITE MODEL

5.1 Based on the available desk study information, a conceptual site model (CSM) has been developed for the proposed future land use (commercial). This summarises the understanding of the existing site and its historical development, the site geology, the potential contaminant sources, transport pathways and receptors in order to assess potential pollutant linkages. In assessing the potential contaminants present at the site, reference has also been made to the relevant sections of CLR 8, the Department of the Environment Industry Profile reports and any other relevant supporting documentation.

5.2 The proposed development comprises an Aldi store with associated car parking and landscaping areas, as shown on the proposed site plan included in **Appendix A**. Based on the available information, a summary of the potential contamination sources, pathways and receptors is provided below.

Sources of Contamination

- Contamination associated with current and historic activities – made ground from construction of the adjacent highways.
- Ground gas from any made ground or coal workings.

Potential Pollution Pathways

- Humans – direct contact, soil ingestion and dust inhalation.
- Secondary A Aquifer – leaching and vertical migration of contamination.
- Vertical and lateral migration of ground gas into buildings and service entries (manholes).

Receptors

- Site end users.
- Construction workers.
- Underlying Aquifer (Secondary A).

Pollutant Linkage Assessment

5.3 A qualitative risk assessment has been made of the likelihood of any pollutant linkage operating and its potential significance, as summarised in the table below:

Contamination Source	Pathway	Hazard	Potential Receptors	Linkage Complete
Contaminants associated with made ground on site	Direct contact, ingestion, dust inhalation	Human health risk	Site construction workers	Yes, can be removed by the use of appropriate PPE and limited exposure
	Direct contact, ingestion, dust inhalation	Human health risk	Site end users	Yes, mitigated by use of hard cover in development
	Lateral and vertical migration	Pollution of controlled waters	Secondary A aquifer	Yes, although unlikely given the site history
Contaminants associated with off site sources	Lateral migration	Human health risk	Site end users	Yes, although unlikely given the site history
Ground Gas	Vertical migration into buildings or confined spaces	Human health risk. Fire risk	Human health and property	Yes. Possible gas from made ground and coal workings

5.4 At this stage, it is considered unlikely that the site will be significantly contaminated.

6 ENVIRONMENTAL RISK ASSESSMENT

6.1 The potential environmental risk has been assessed based on the 'source-pathway-target' pollutant linkages identified in the Conceptual Site Model, which requires that for a liability to arise each stage of the pollutant linkage must be present. References to risk classifications are made according to the following definitions:

- **Low risk** – it is unlikely that an issue will arise with respect to causing significant harm to human health or controlled waters.
- **Medium risk** – it is possible that an issue could arise with respect to causing significant harm to human health or controlled waters.
- **High risk** – it is likely that an issue will arise with respect to causing significant harm to human health or controlled waters.

6.2 Having evaluated the information gathered during this study and described in the previous sections the following risk assessment has been produced.

ENVIRONMENTAL RISK ASSESSMENT		
	Risk rating	Reason
Contamination potential for:		
On-site contamination	Low	No evidence of contaminative site usage.
Contaminants migrating off site	Low	No evidence of contaminative site usage.
Contaminants migrating onto site	Low	No evidence of contaminative site usage in immediate area part from made ground to raise road levels
Other environmental issues giving rise to concern	Low	None identified.
OVERALL RISK	Low	

Ground Gas Risk Assessment

6.3 Based on the above information gained through the Envirocheck report, the risk of ground gas emissions is considered to be low to moderate. The following summarises the gas risk for the site:

Potential Gas Source	Hazard	Risk Rating	Justification
Made ground (CH ₄ , CO ₂)	Humans: health risk Buildings: explosion	Low	Made ground not anticipated to be thick or putrescible.
Coal and historical mining	Humans: health risk Buildings: explosion	Low - Medium	Worked coal seams at 27m depth. Treated mine entry on northern site boundary.
Radon	Humans: health risk	N/A	No precautions required.
Overall Risk		Low - Medium	

7 GEOTECHNICAL CONSIDERATIONS

7.1 The following geotechnical considerations are given as preliminary guidelines only based on the available data on the ground conditions. Consequently, the following should not be taken as design criteria without further geotechnical data obtained from a suitably designed ground investigation.

Mining

7.2 The Shafton coal seam is known to have been used for industrial and brick making purposes and a brick works has been identified to the south west of the site. In addition a shaft has been identified on the north site boundary, which is understood to have been 27m deep.

7.3 Based on the above, it is possible that shallow coal workings are present beneath the site and it is recommended that a rotary drilling investigation is carried out to confirm the geology with respect to shallow workings.

Foundations

7.4 It is anticipated that the site is underlain by thin deposits of made ground or topsoil underlain by superficial clay and relatively shallow bedrock. Made ground is considered unsuitable as a bearing stratum using conventional shallow spread foundations due to the potential for excessive total and differential settlements. Foundations should therefore extend below any made ground to bear onto the natural superficial deposits. It is considered that conventional strip or trench fill foundations will be suitable.

Floor Slabs

7.5 It is considered that a ground bearing floor slab will be suitable subject to appropriate re-engineering of the made ground.



Pavements

7.6 It is anticipated, subject to a ground investigation, that standard construction techniques can be utilised.

Gas Protection Measures

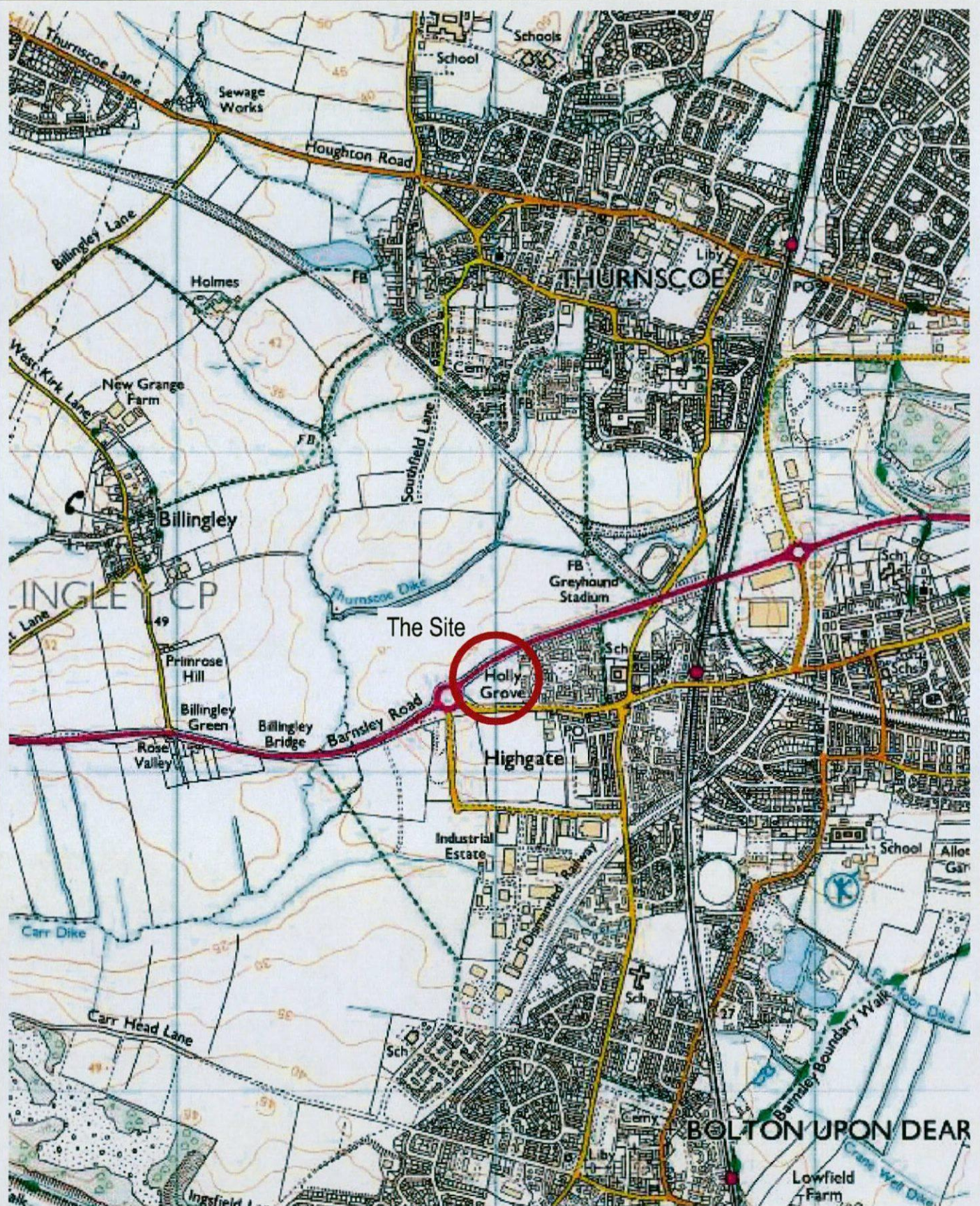
7.7 The preliminary ground gas risk assessment identifies that there is a low to medium risk to the development from ground gas due to shallow coal seams and made ground.

8 FURTHER INVESTIGATIONS

8.1 An intrusive investigation will be required for the proposed development to address the ground related issues discussed above. A summary of the likely scope of works, which should not be taken as an exhaustive list, is provided below.

- Mini percussive drilling or trial pits to allow the recovery of samples for laboratory testing and establish the geological profile within the likely foundation depth.
- Rotary drilling to confirm the depth of shallow coal seams and presence of workings.
- Installation of gas monitoring standpipes and monitoring on 6 occasions over a 3 month period.
- Geotechnical and chemical laboratory testing.

Figures



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Project Barnsley Road, Goldthorpe
For Aldi Stores Ltd

Title Site Location Plan

Scale
1:25,000

Drawn
AHC

Checked
ACV

Date
Apr '14

Job No. 14013

Drawing No.

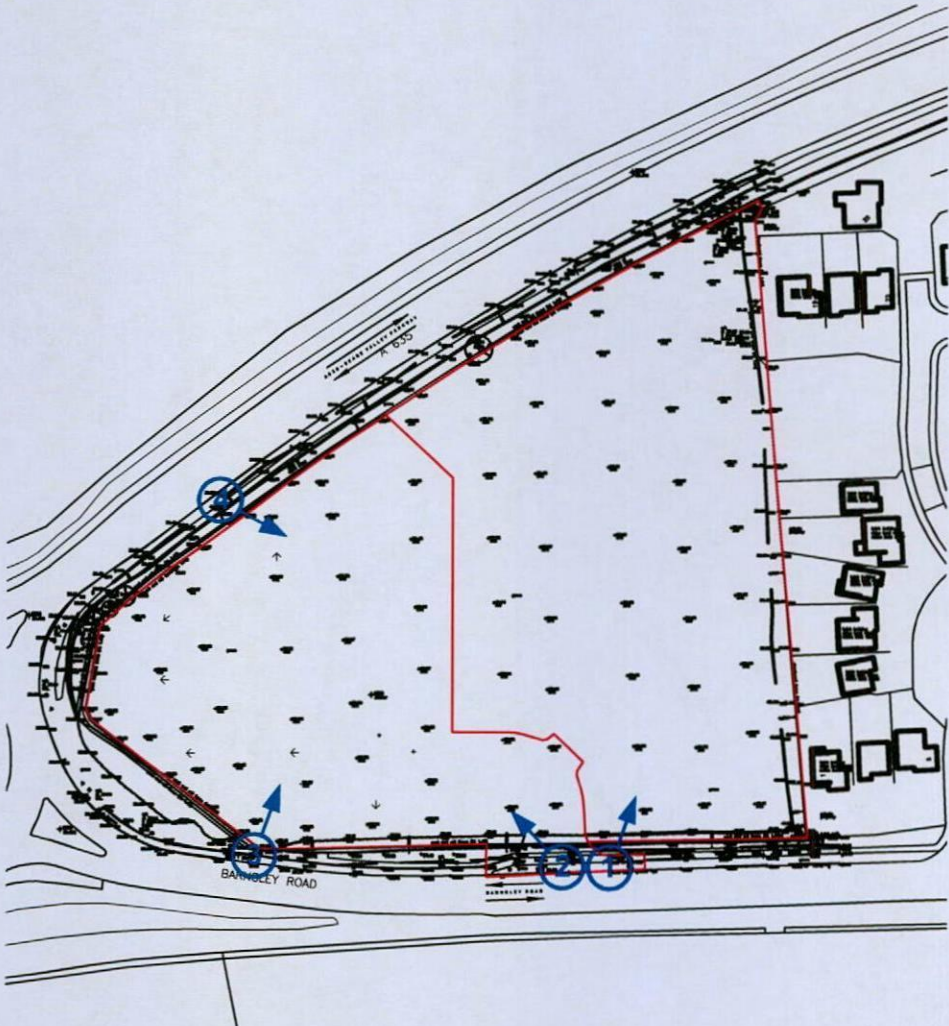
Fig 1

Rev 0

Photo 1

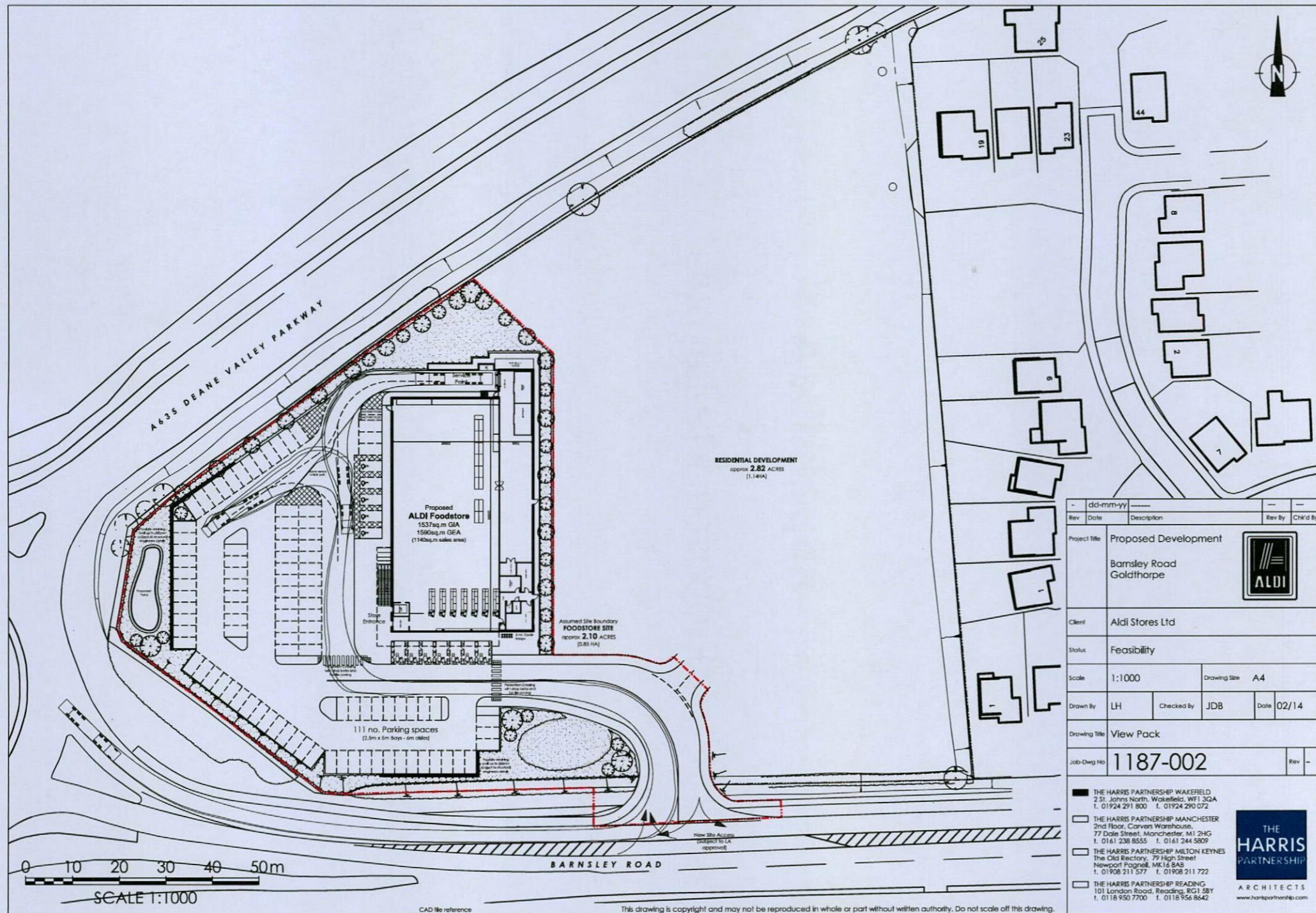


Photo 2



Appendix A

Proposed Site Layout



CAD file reference

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Appendix B

Historical OS Maps

**Ordinance Survey County Series and
Ordinance Survey Plan 1:2,500**

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information

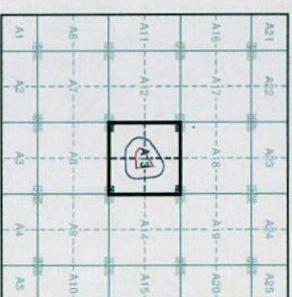
Large-Scale National Grid Data 1:2,500 and 1:1,250

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	P
Yorkshire	1:2,500	1982	
Yorkshire	1:2,500	1906	
Yorkshire	1:2,500	1930	
Ordnance Survey Plan	1:2,500	1962	
Ordnance Survey Plan	1:1,250	1962	
Additional Sinks	1:2,500	1962	
Ordnance Survey Plan	1:1,250	1971 - 1976	
Additional Sinks	1:1,250	1982 - 1991	
Additional Sinks	1:2,500	1988	1
Additional Sinks	1:1,250	1990	1
Additional Sinks	1:1,250	1991	1
Large-Scale National Grid Data	1:2,500	1993	1
Large-Scale National Grid Data	1:1,250	1993	1
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Historical Map - Segment A13

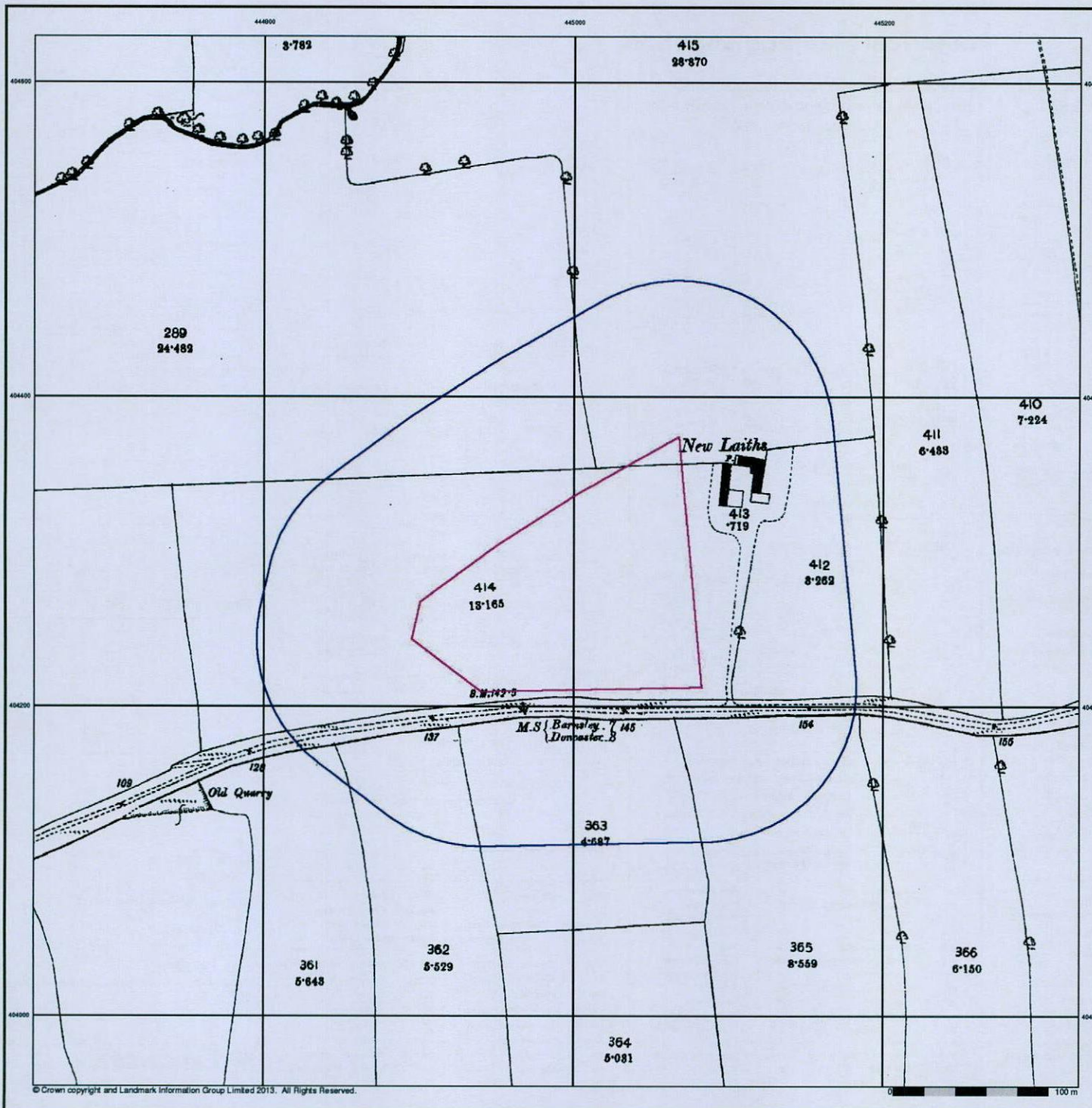


Order Details

Site Details
Balsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 1ALB



Tel: 0844 844 9962
Fax: 0844 844 9961
Web: www.envirocheck.co.uk



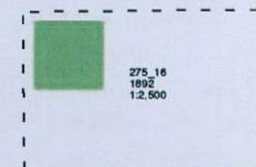
Yorkshire

Published 1892

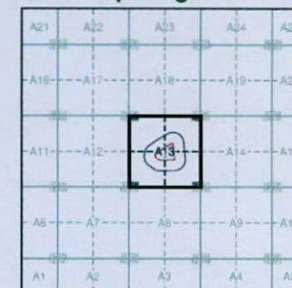
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

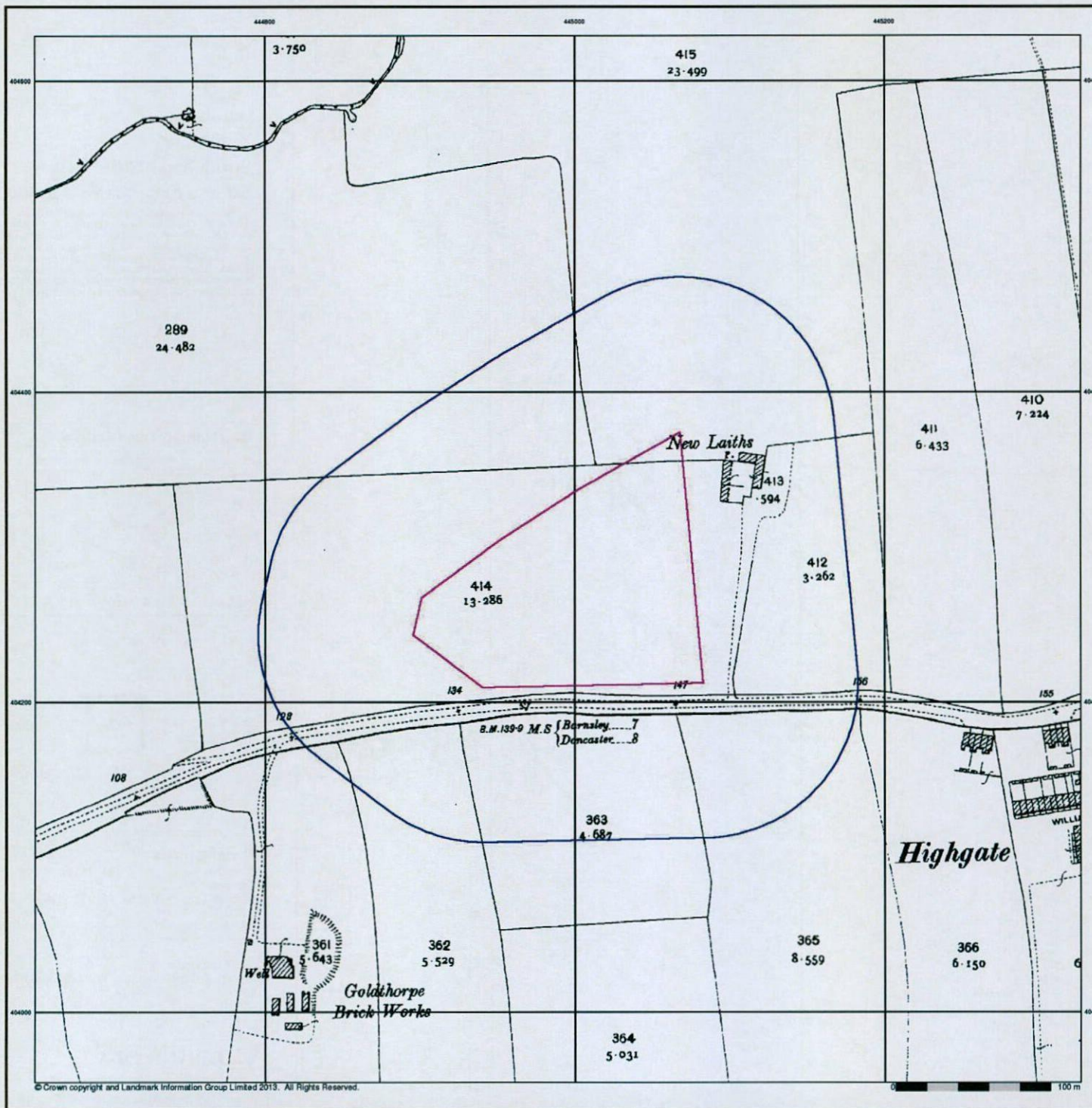
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National Grid Reference: 445010, 404280
Slice: A
Site Area (Ha): 1.97
Search Buffer (m): 100

Site Details

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB



Tel: 0844 844 9952
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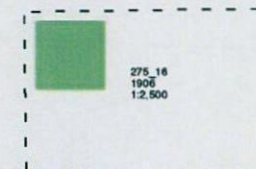
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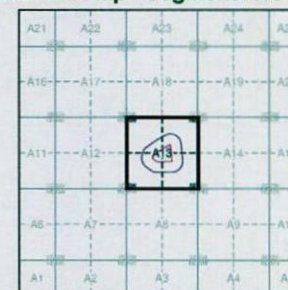
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Map Name(s) and Date(s)



Historical Map - Segment A13



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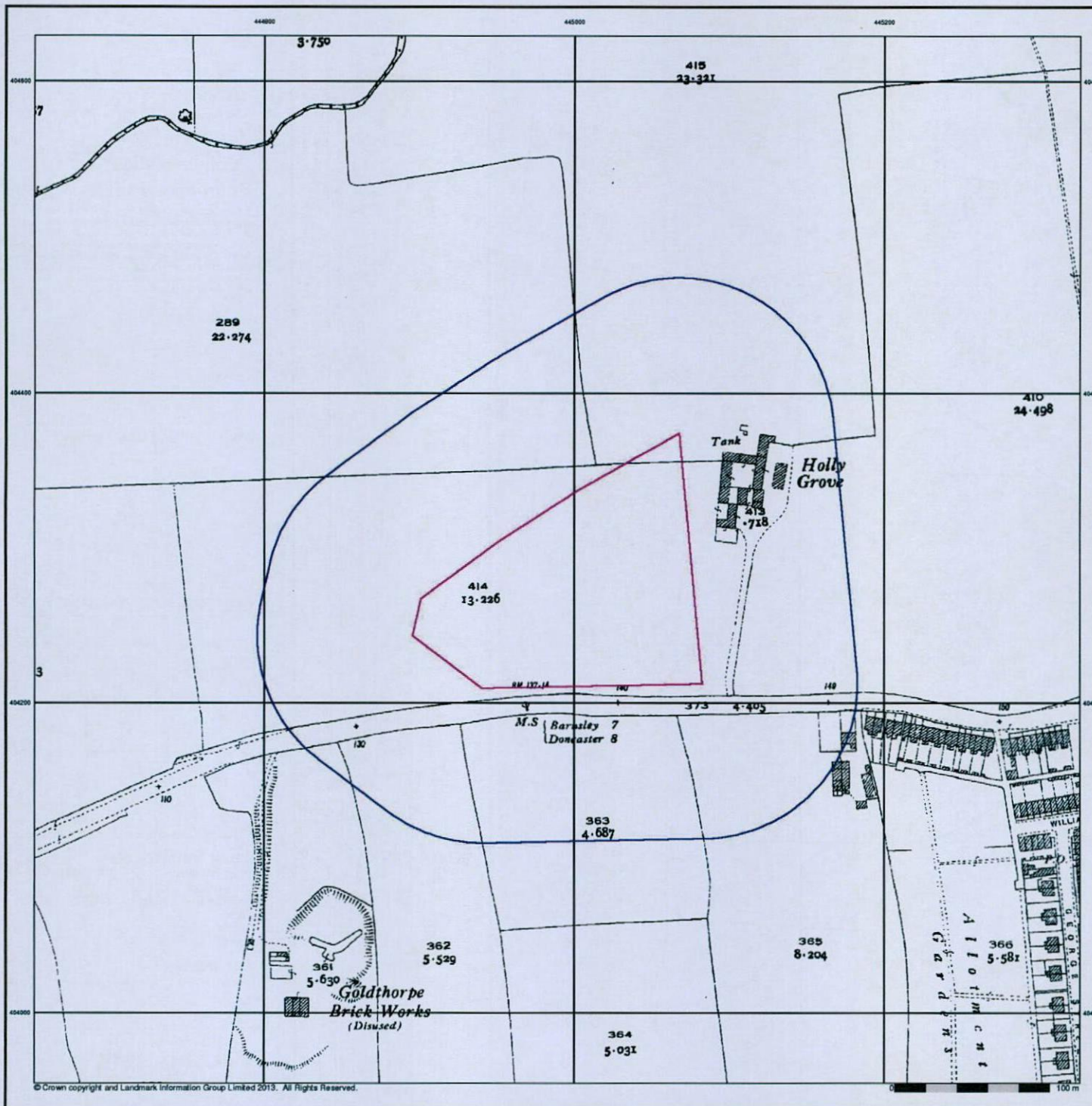
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 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 100

Site Details

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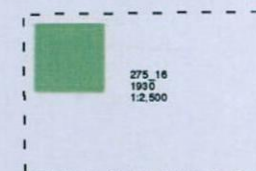
Yorkshire

Published 1930

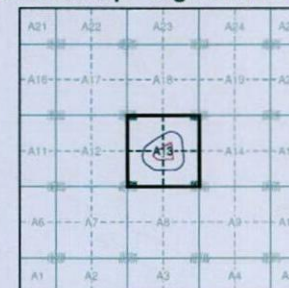
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Map Name(s) and Date(s)



Historical Map - Segment A13



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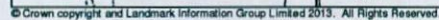
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Customer Ref: 14013
National Grid Reference: 445010, 404280
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Site Area (Ha): 1.97
Search Buffer (m): 100

Site Details

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB



Tel: 0844 844 9252
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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.

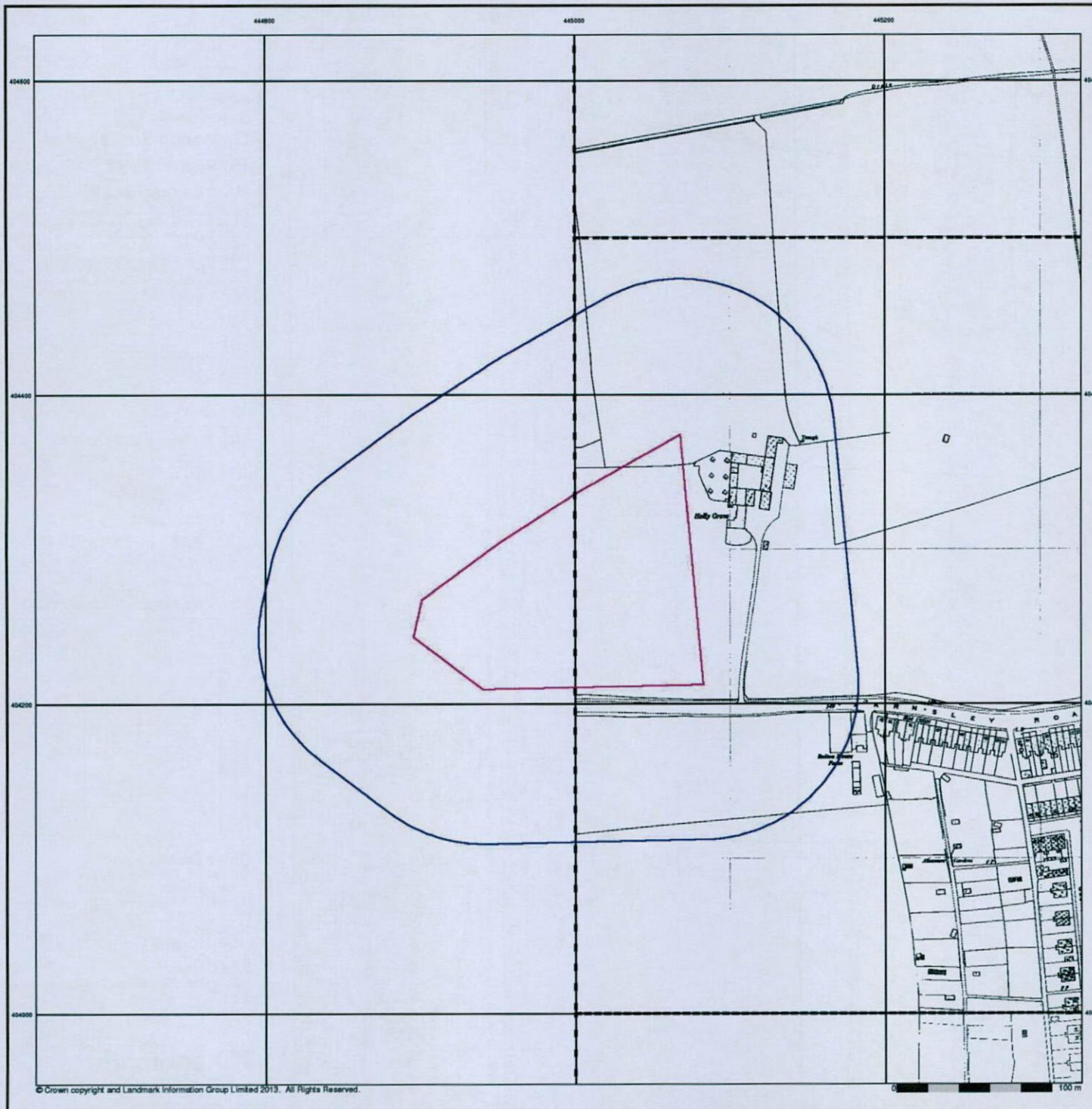
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SE 4403 1962 12,500	SE 4503 1962 12,500



Order Number: 54721541_1_1
Customer Ref: 14013
National Grid Reference: 445010, 404280
Slice: A
Site Area (Ha): 1.97
Search Buffer (m): 100

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB





Ordnance Survey Plan

Published 1962

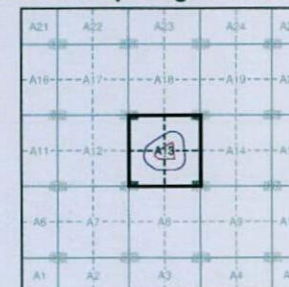
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Map Name(s) and Date(s)

SE4504NM
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1:1,250
SE4504SW
1962
1:1,250
SE4503NM
1962
1:1,250

Historical Map - Segment A13



Order Details

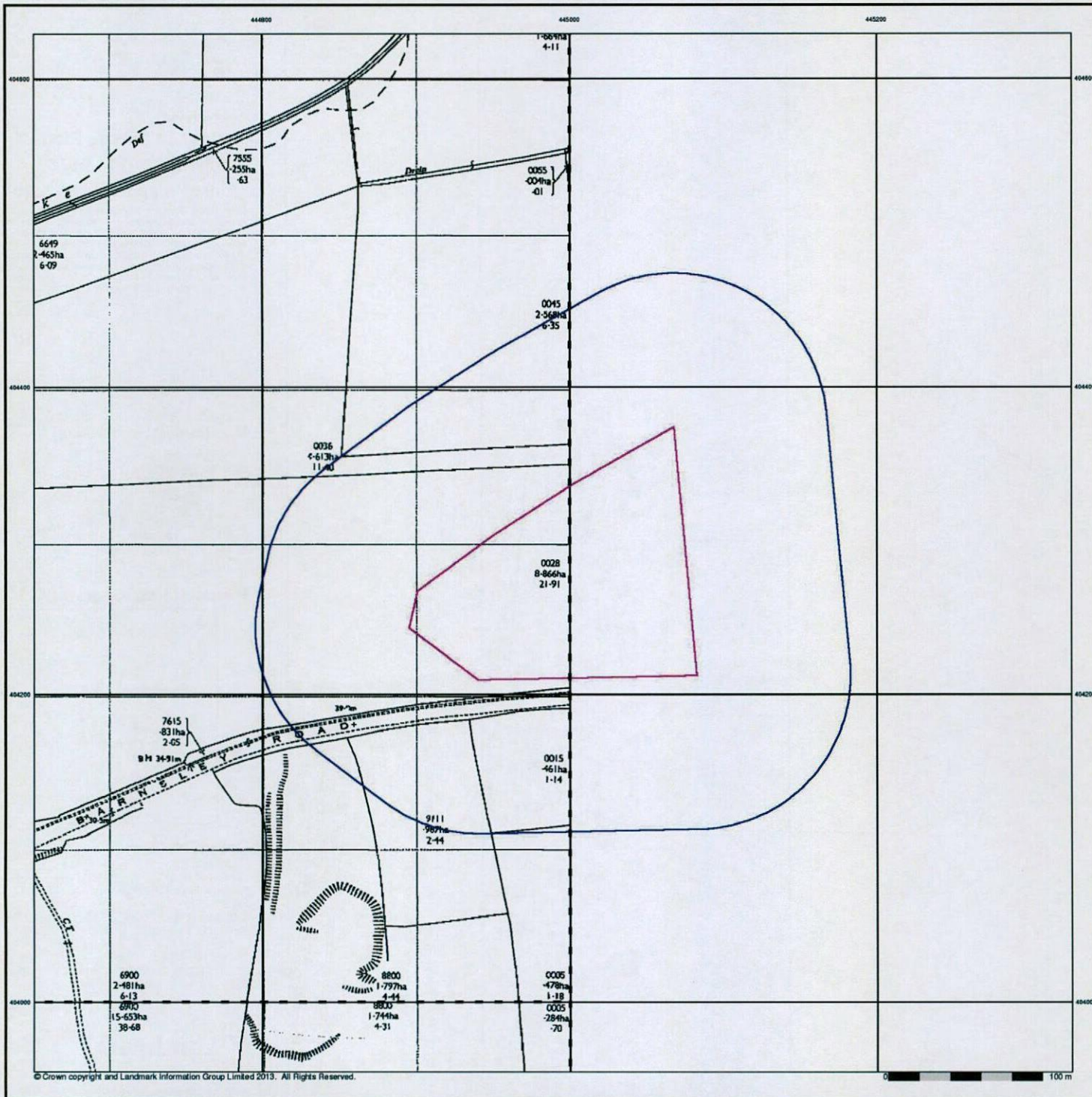
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Customer Ref: 14013
National Grid Reference: 445010, 404280
Slice: A
Site Area (Ha): 1.97
Search Buffer (m): 100

Site Details

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



Additional SIMs

Published 1962

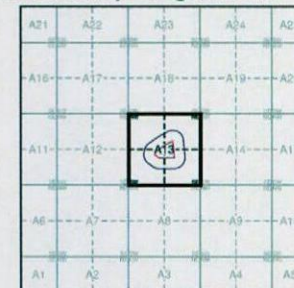
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SE-4404	1962	1:2,500
SE-4403	1962	1:2,500

Historical Map - Segment A13



Order Details

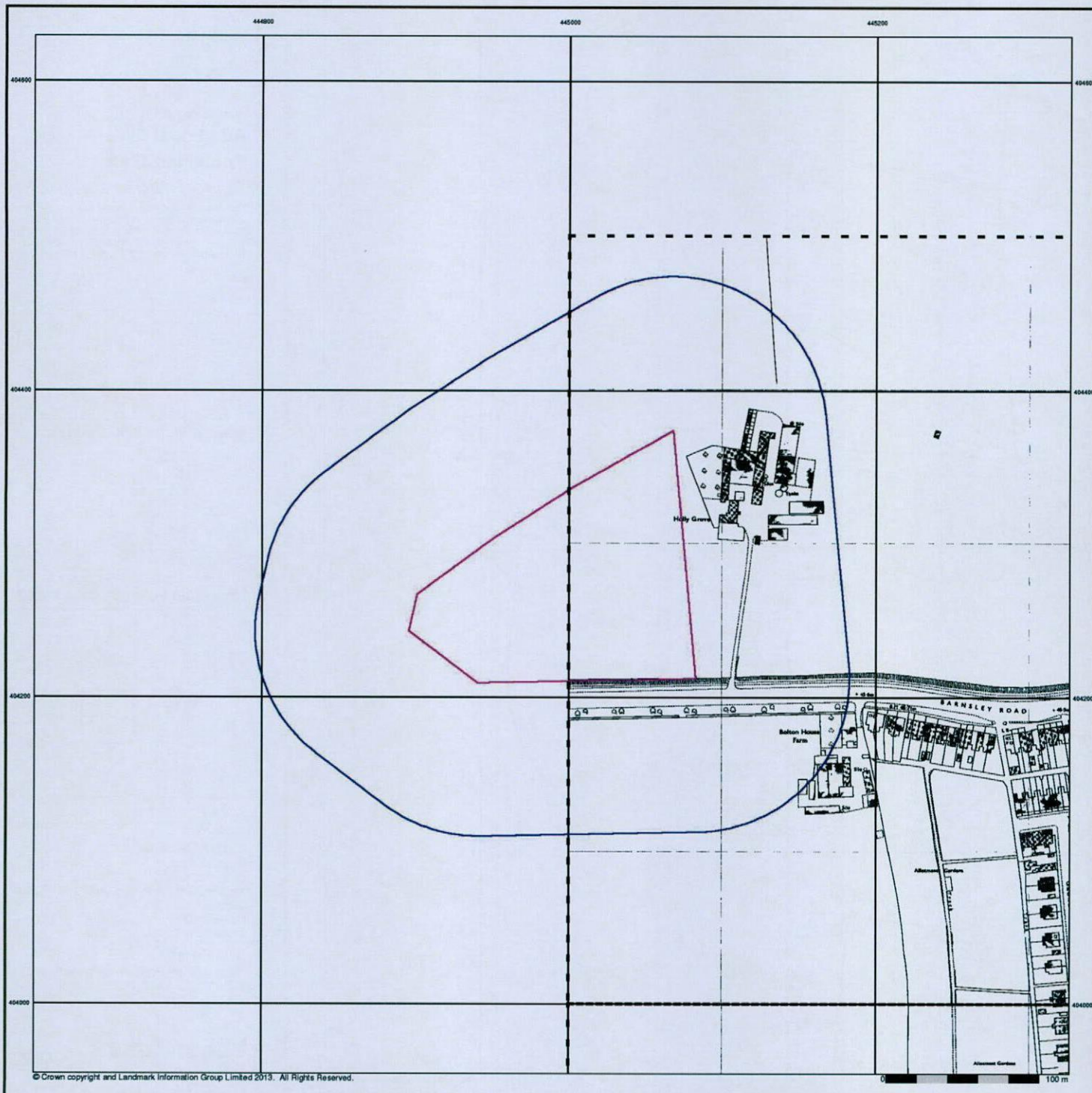
Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 100

Site Details

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB



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



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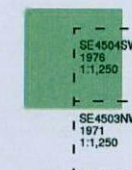


Ordnance Survey Plan Published 1971 - 1976

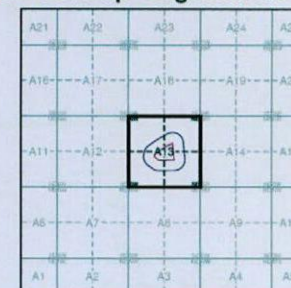
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

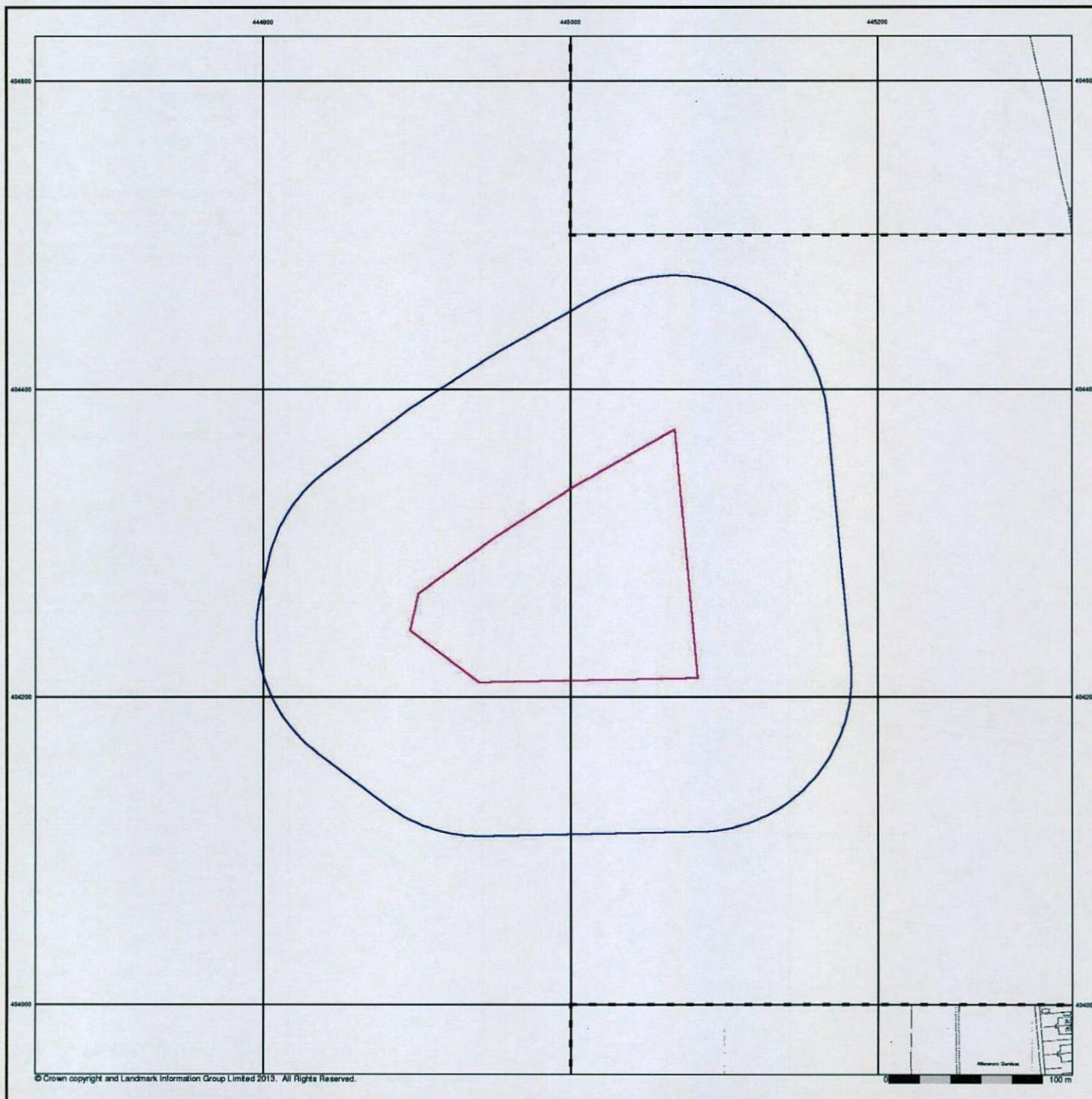
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Customer Ref: 14013
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Slice: A
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Search Buffer (m): 100

Site Details

Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB



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Additional SIMs

Published 1982 - 1991

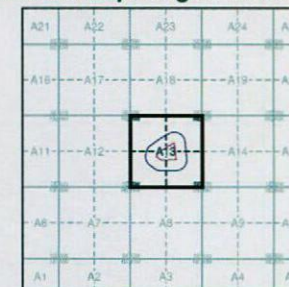
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

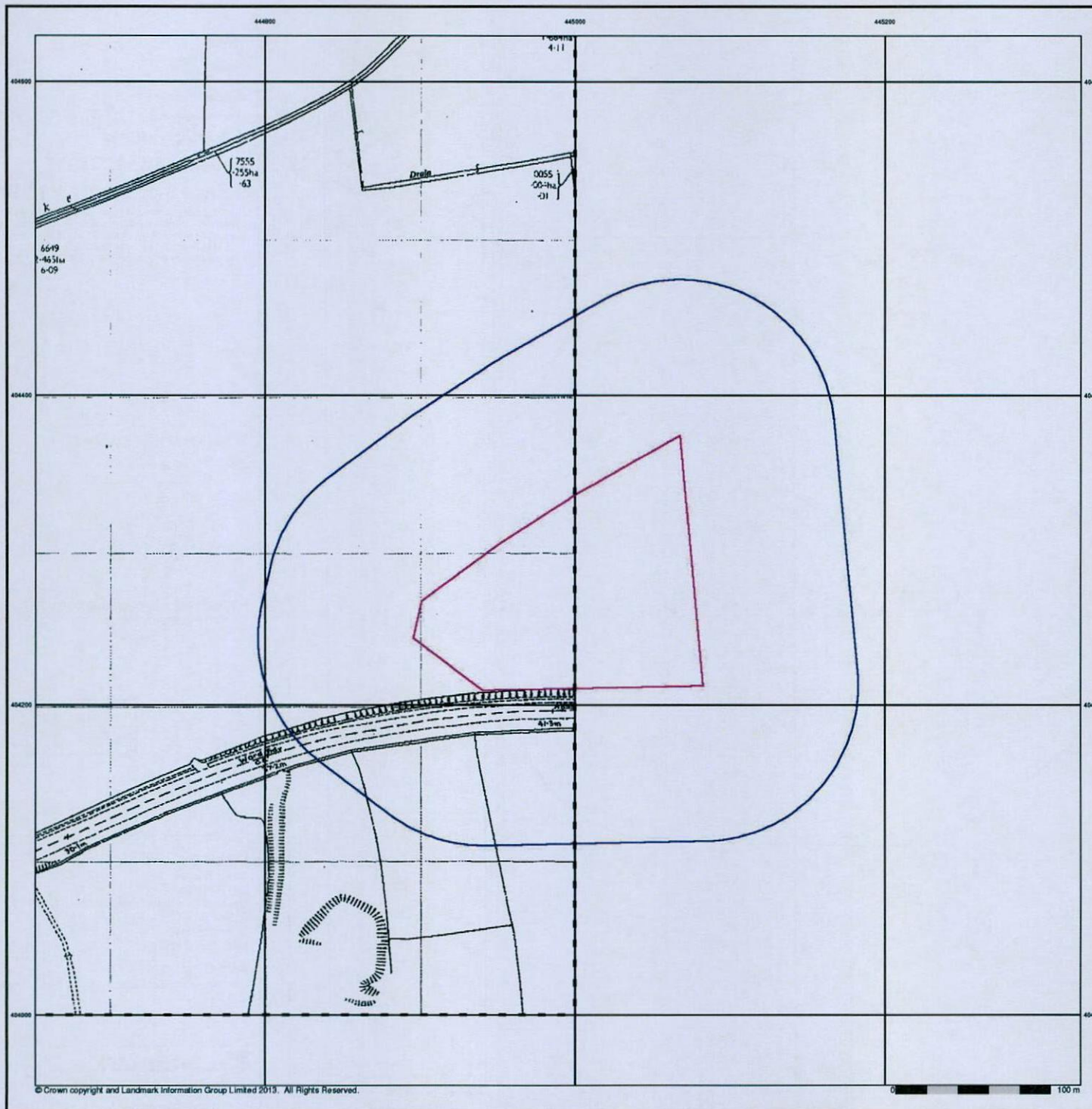
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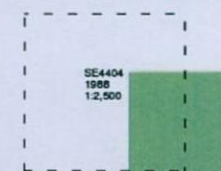
Additional SIMs

Published 1988

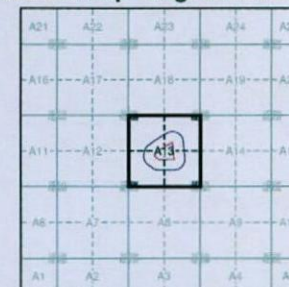
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

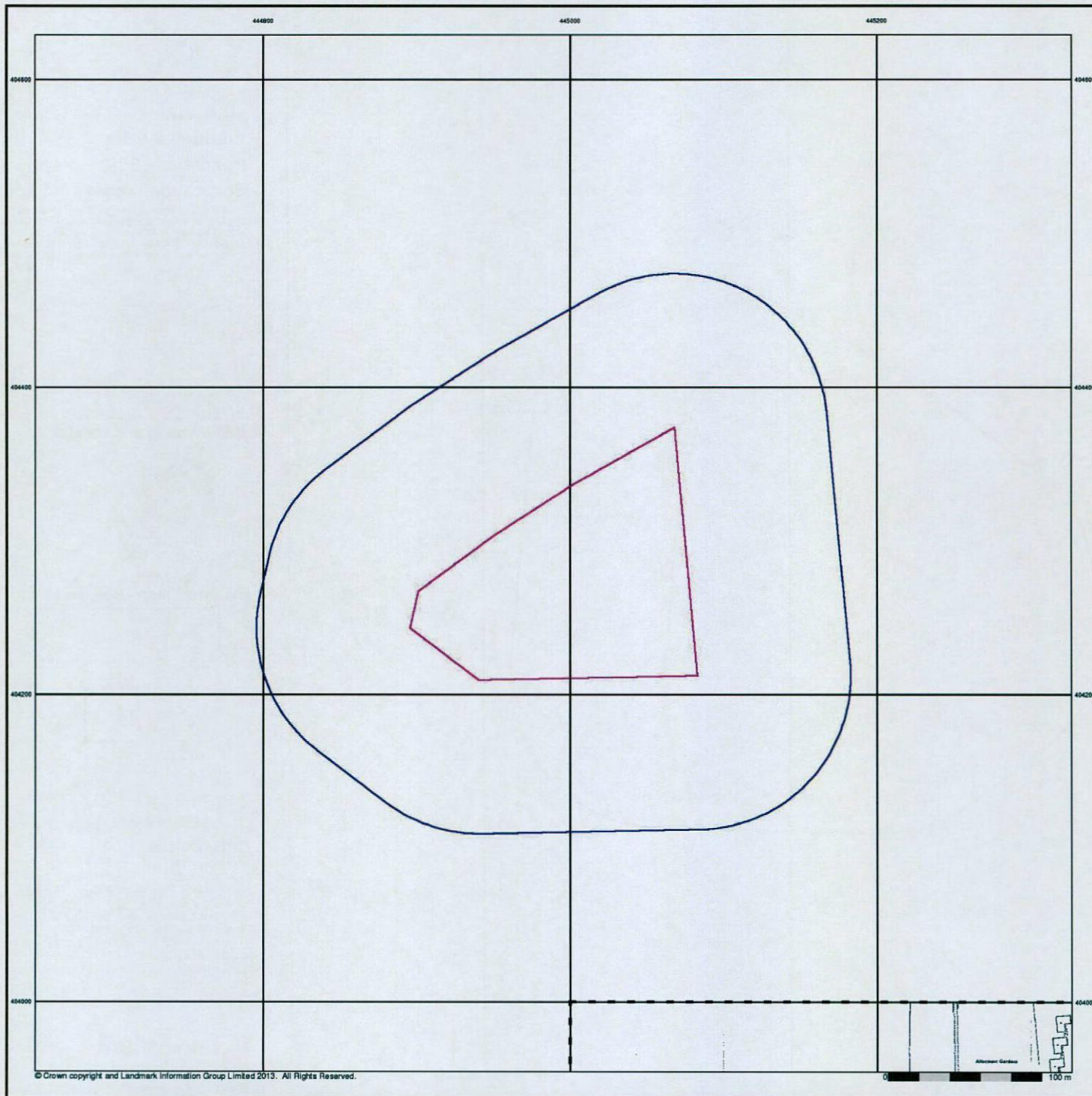
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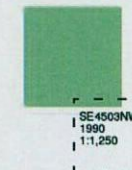
Additional SIMs

Published 1990

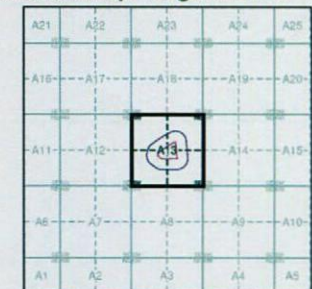
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The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

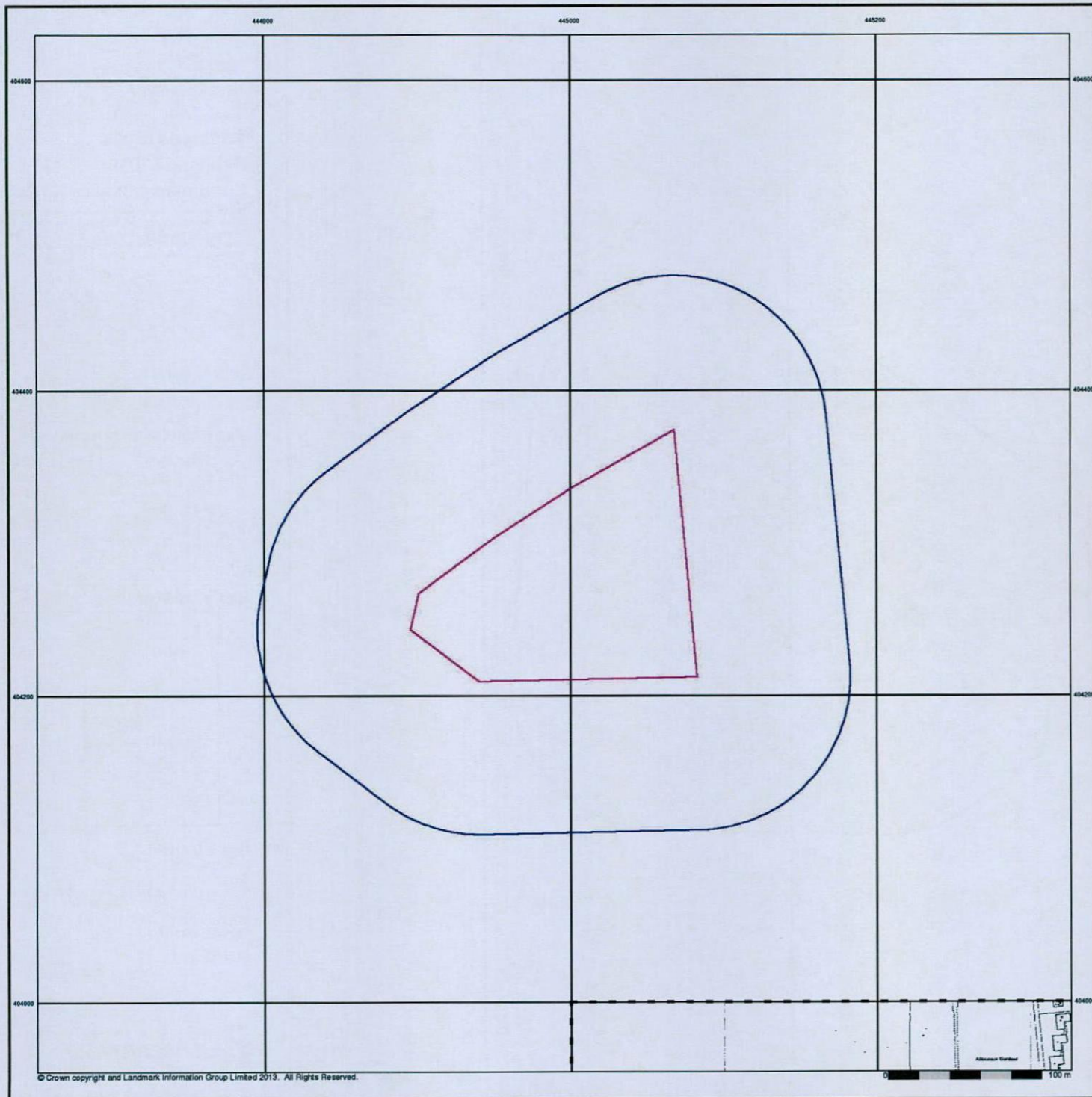
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Additional SIMs

Published 1991

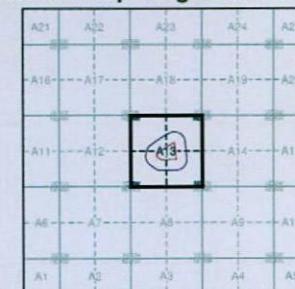
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

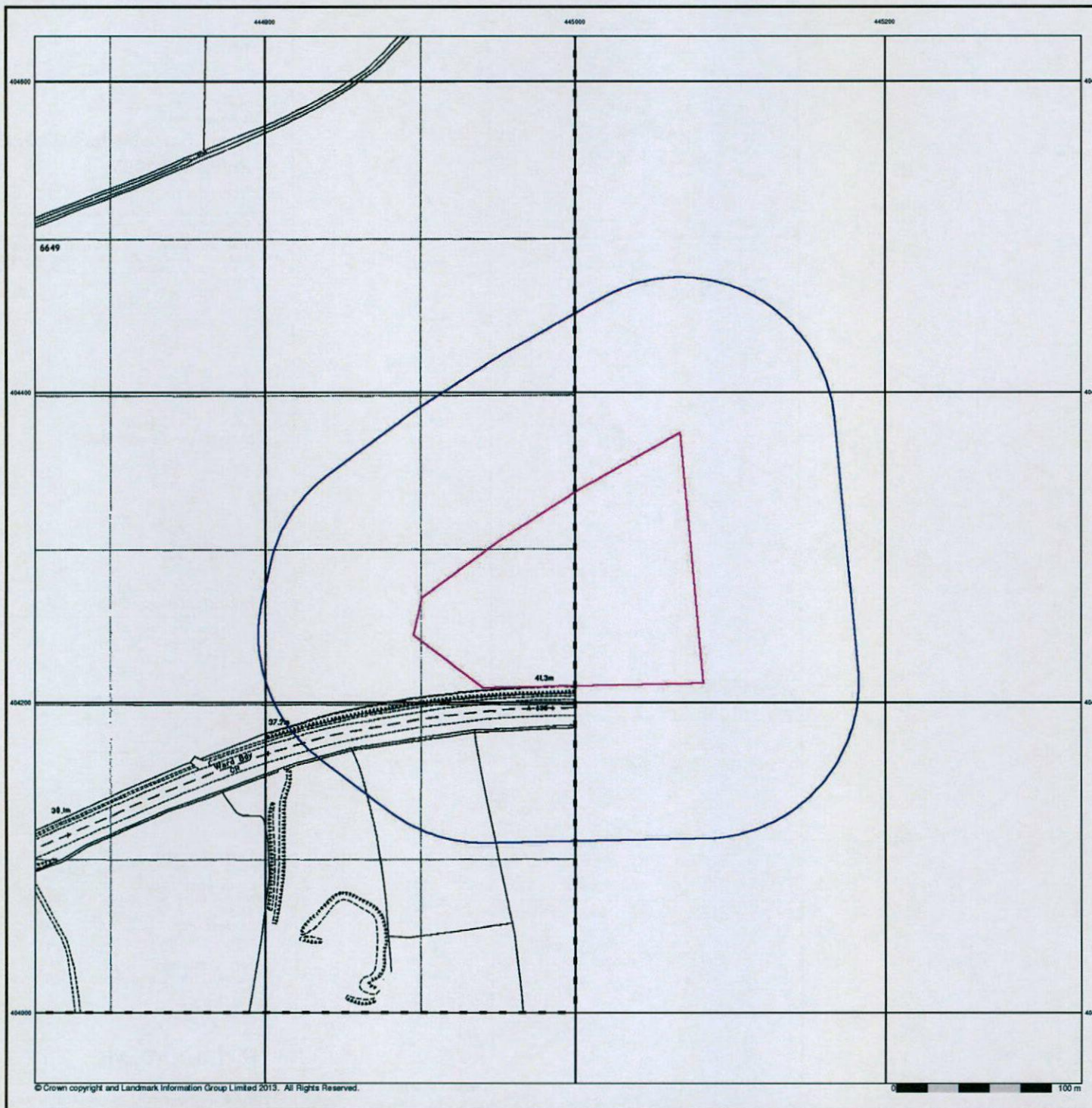
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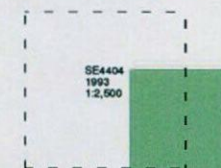
Large-Scale National Grid Data

Published 1993

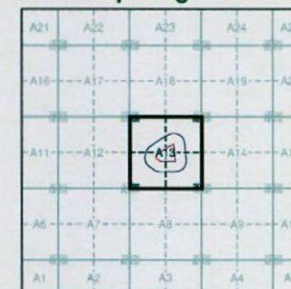
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

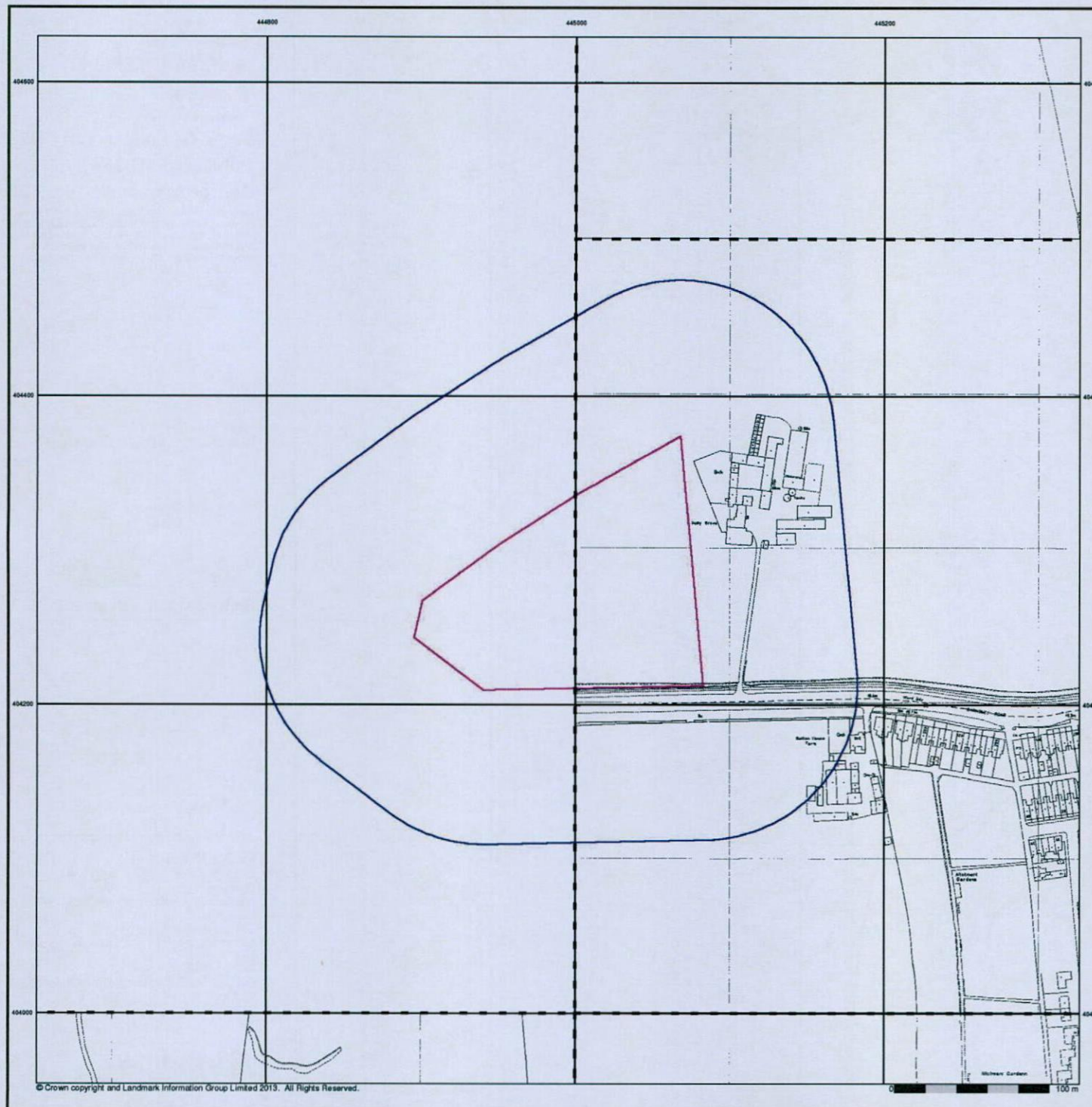
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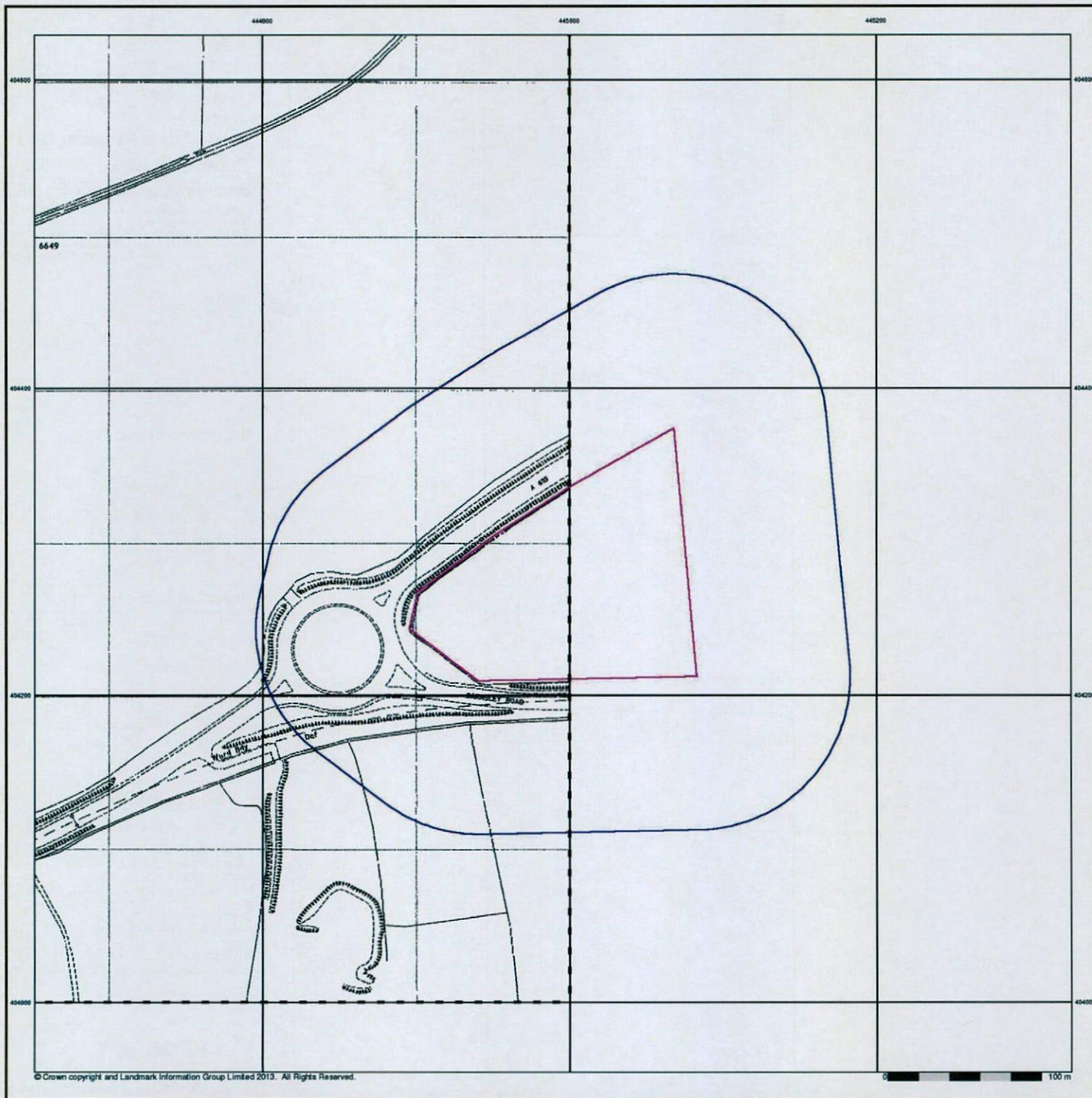
Site Details

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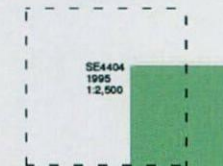
Large-Scale National Grid Data

Published 1995

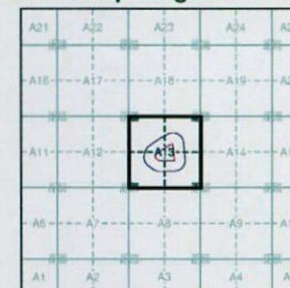
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Large-Scale National Grid Data

Published 1995

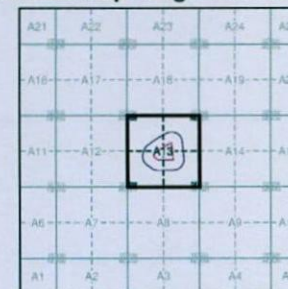
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Map Name(s) and Date(s)



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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Shingle
	Glasshouse		Sand
	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		
	Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

1:10,000 Raster Mapping

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

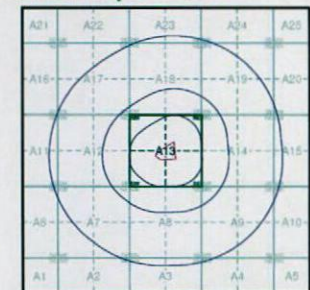


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1854 - 1855	2
Yorkshire	1:10,560	1893	3
Yorkshire	1:10,560	1894	4
Yorkshire	1:10,560	1905 - 1906	5
Yorkshire	1:10,560	1931 - 1932	6
Yorkshire	1:10,560	1938	7
Yorkshire	1:10,560	1948 - 1950	8
Ordnance Survey Plan	1:10,000	1955 - 1956	9
Ordnance Survey Plan	1:10,000	1966 - 1967	10
Ordnance Survey Plan	1:10,000	1976	11
Ordnance Survey Plan	1:10,000	1980 - 1988	12
Ordnance Survey Plan	1:10,000	1989	13
Ordnance Survey Plan	1:10,000	1991	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2013	16

Historical Map - Slice A



Order Details

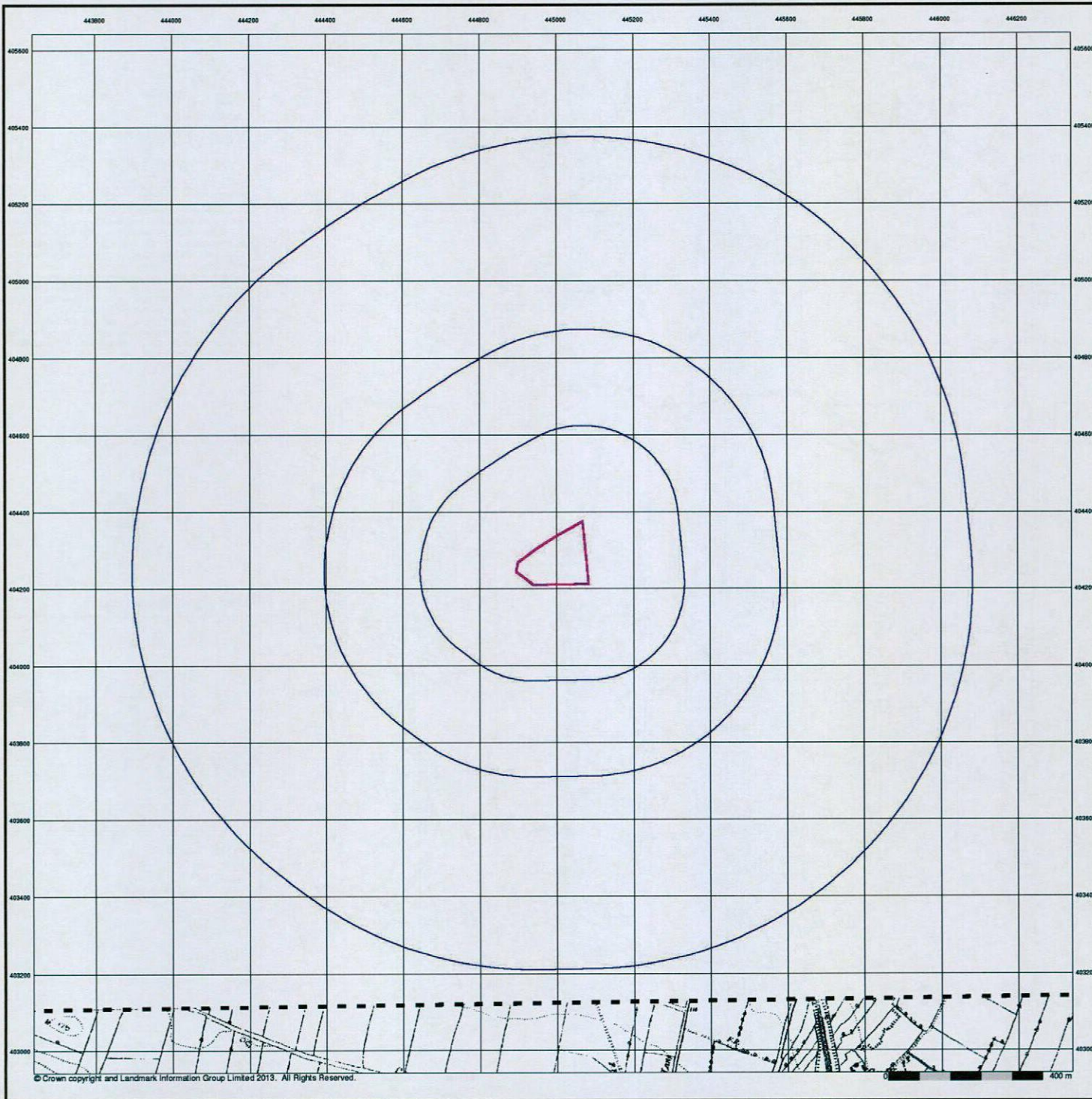
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 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

Site Details

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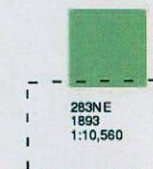
Yorkshire

Published 1893

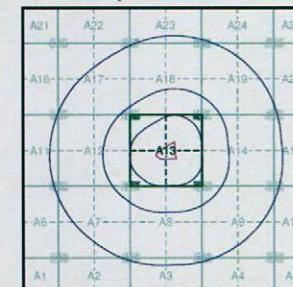
Source map scale - 1:10,560

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

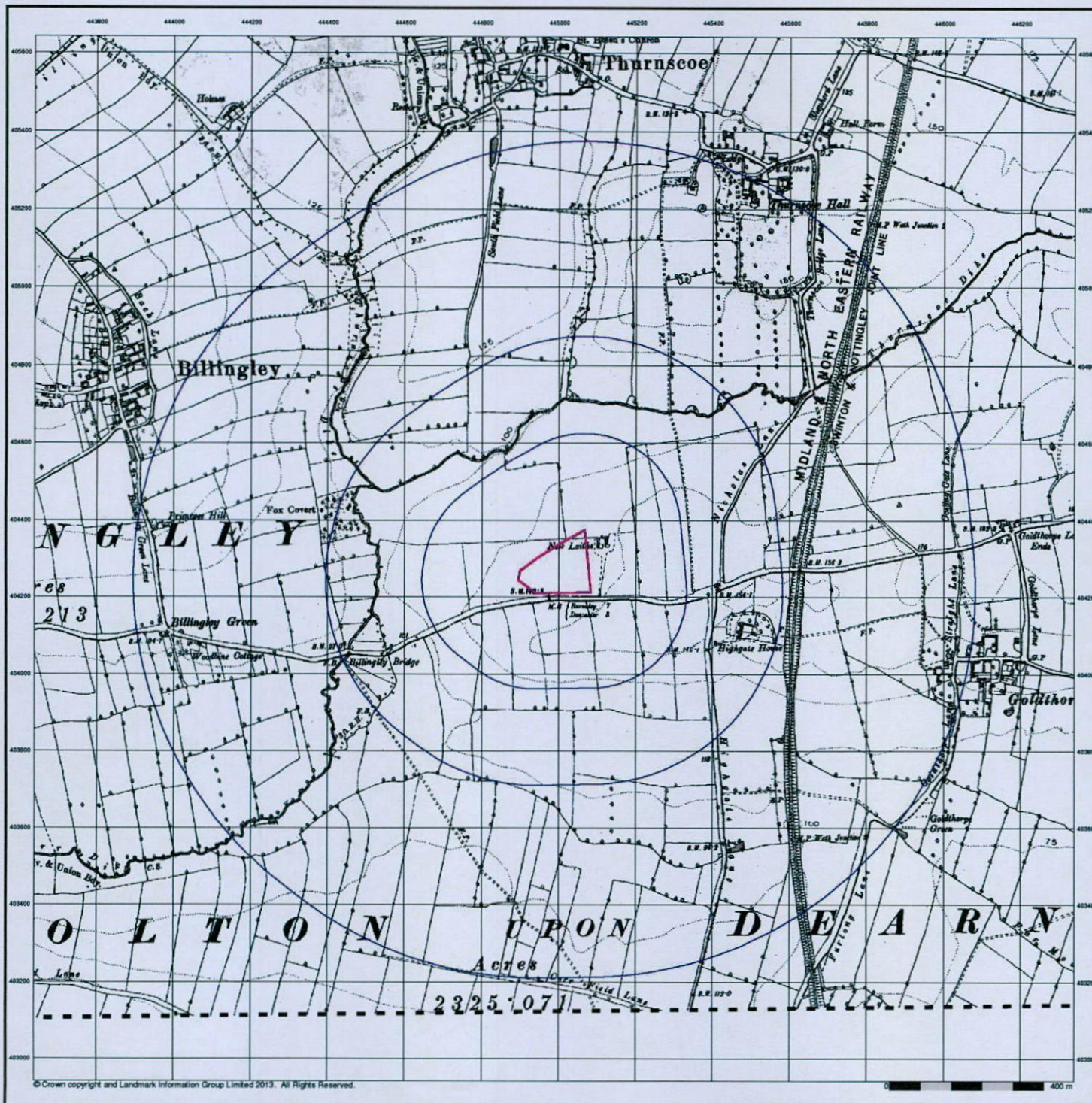
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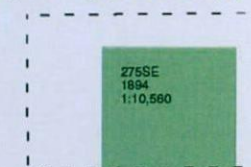
Yorkshire

Published 1894

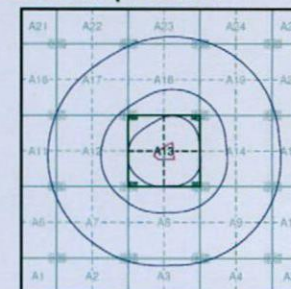
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

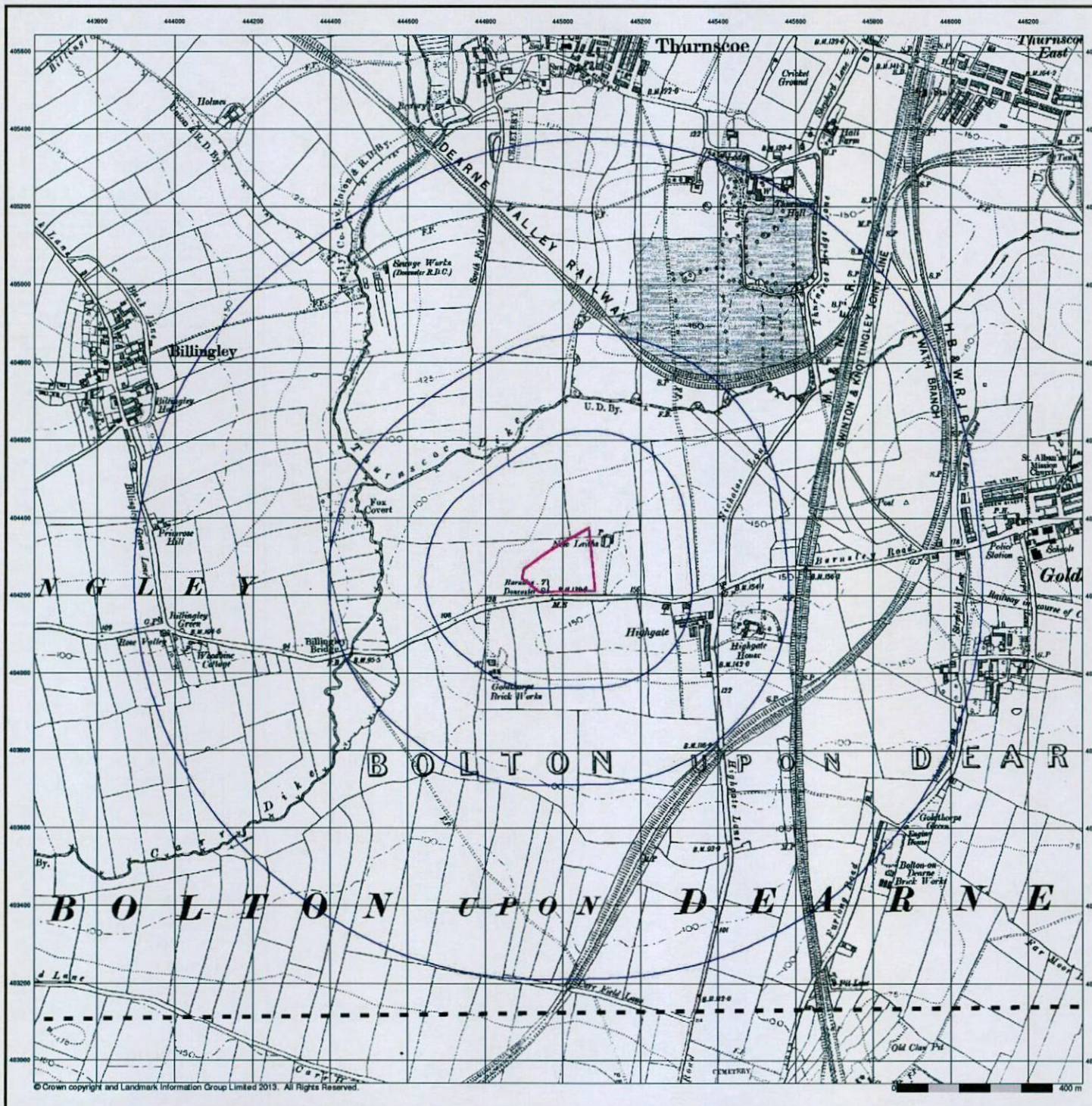
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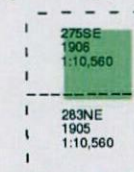
Yorkshire

Published 1905 - 1906

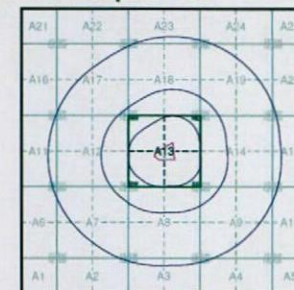
Source map scale - 1:10,560

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Historical Map - Slice A



Order Details

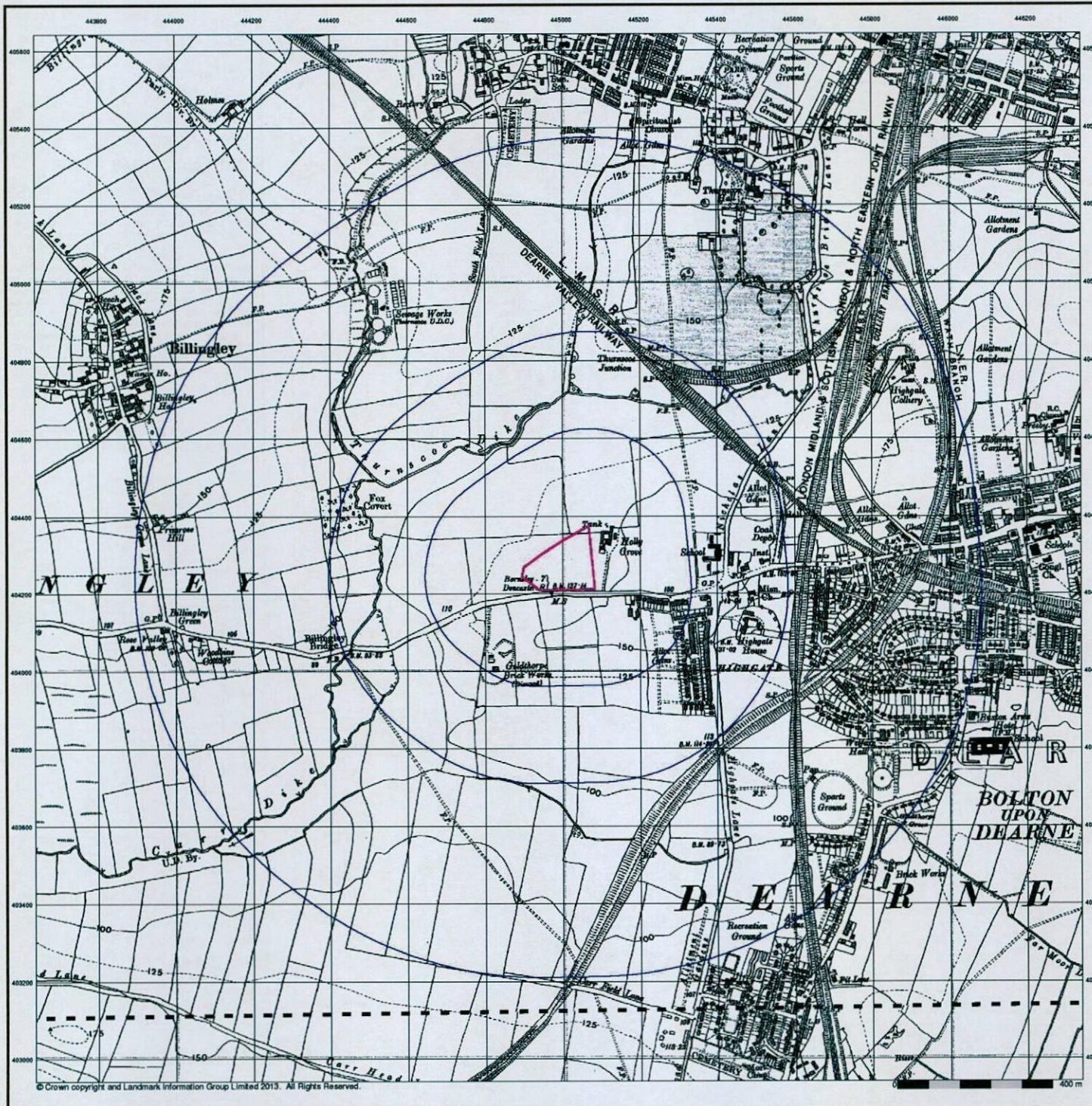
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Yorkshire

Published 1938

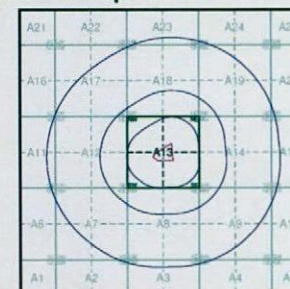
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Map Name(s) and Date(s)

275SE	1938	1:10,560
283NE	1938	1:10,560

Historical Map - Slice A



Order Details

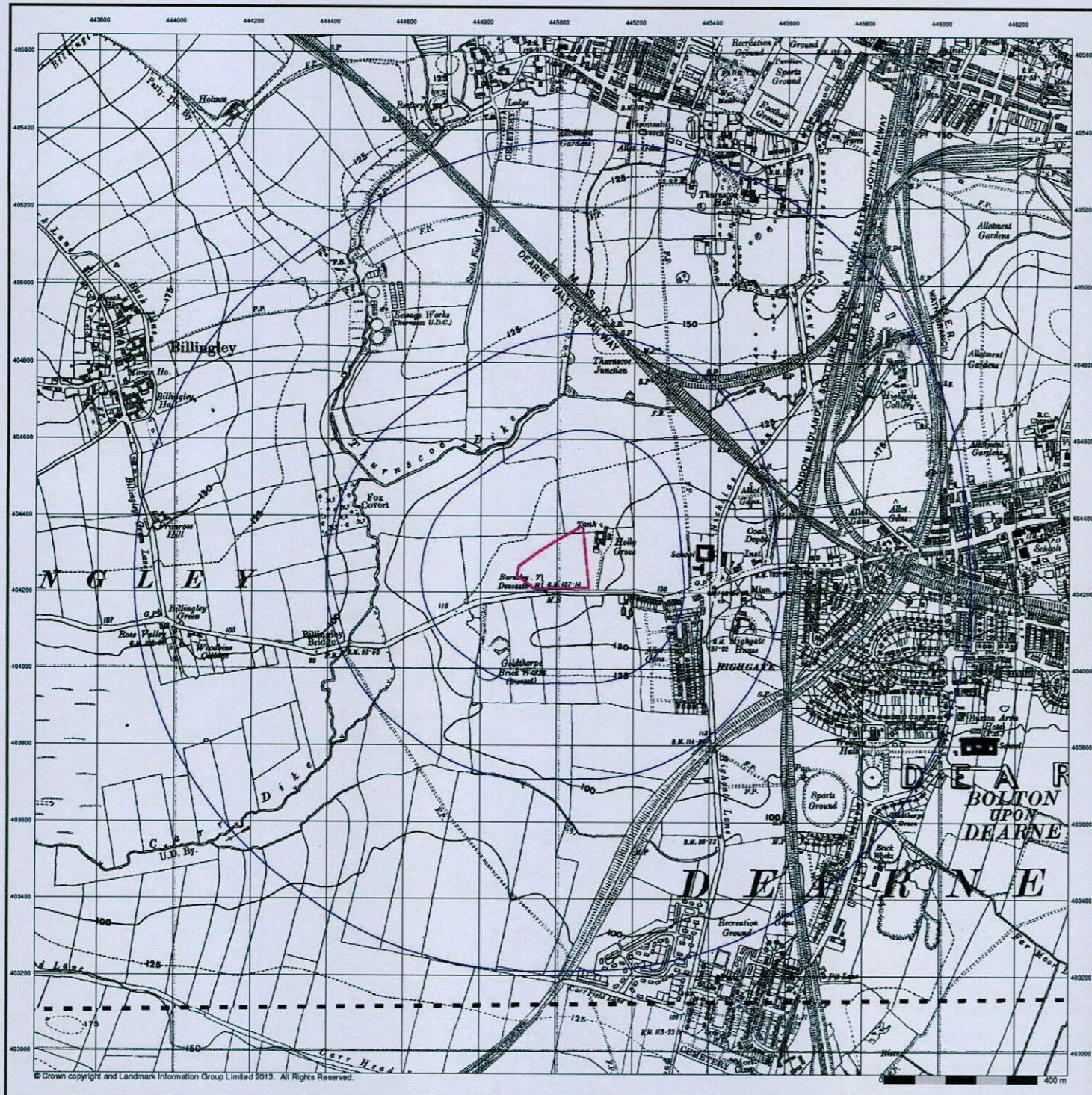
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Yorkshire

Published 1948 - 1950

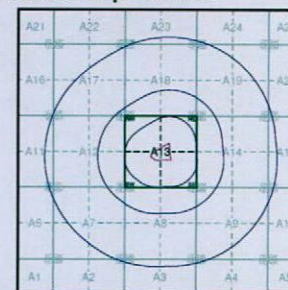
Source map scale - 1:10,560

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)

275SE
1948
1:10,560
283NE
1950
1:10,560

Historical Map - Slice A



Order Details

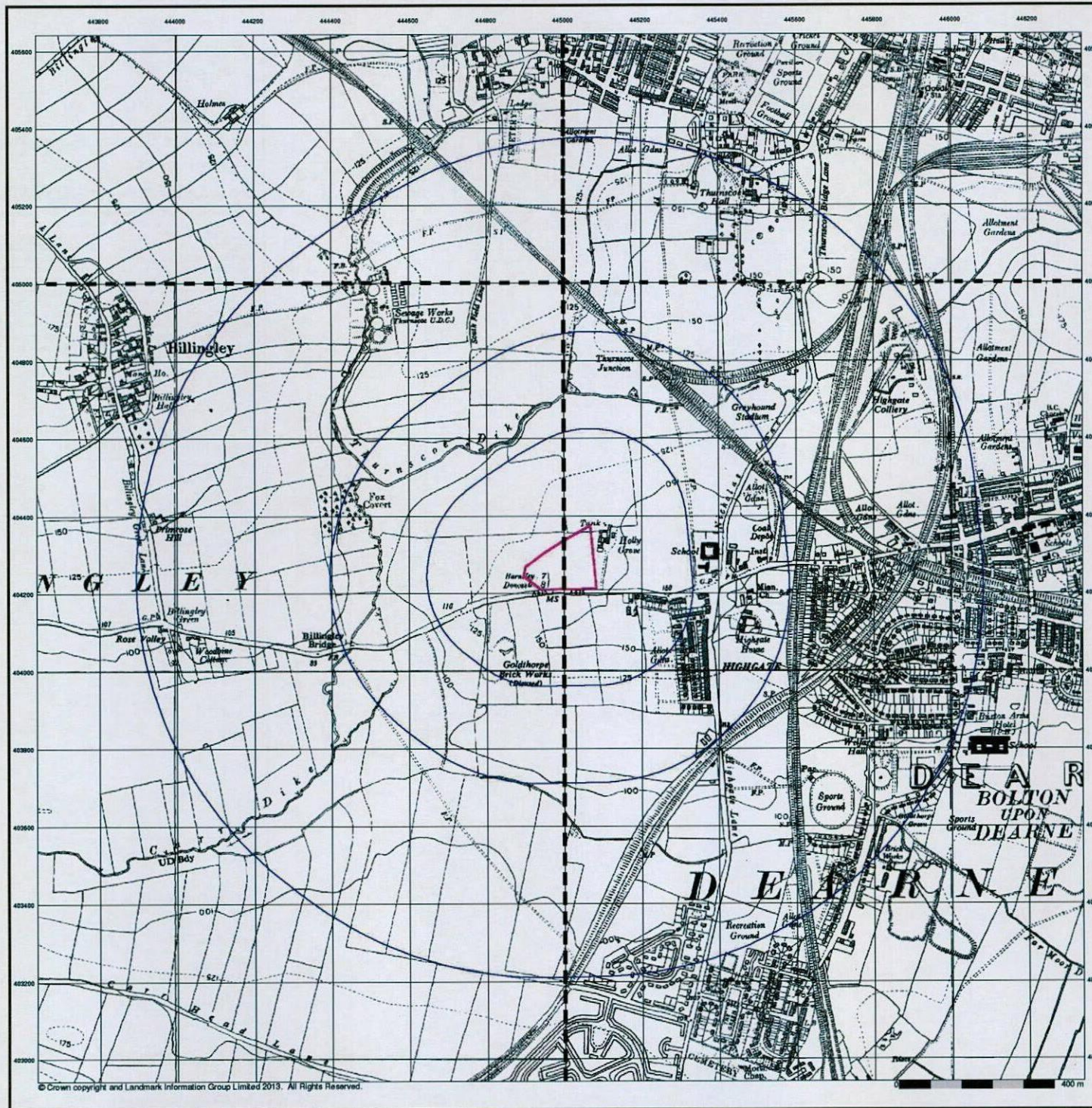
Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

Site Details

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB



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Ordnance Survey Plan

Published 1955 - 1956

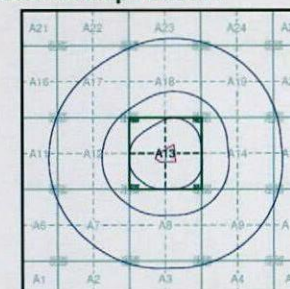
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published data given therefore is often some years older than the surveyed data. Before 1838, 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)

SE40NW	SE40NE
1955	1956
1:10,560	1:10,560
SE40SW	SE40SE
1956	1956
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 54721541_1_1
Customer Ref: 14013
National Grid Reference: 445010, 404280
Slice: A
Site Area (Ha): 1.97
Search Buffer (m): 1000

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Ordnance Survey Plan

Published 1966 - 1967

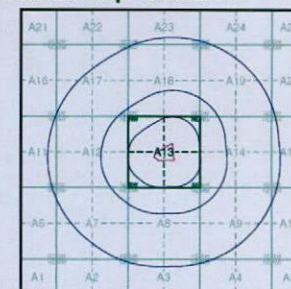
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SE40NW	SE40NE
1967	1966
1:10,560	1:10,560
SE40SW	SE40SE
1967	1966
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

Site Details

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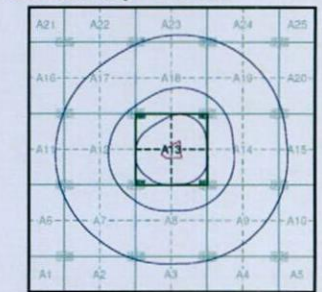
Ordnance Survey Plan **Published 1980 - 1988** **Source map scale - 1:10,000**

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)

SE40NW	SE40NE
1983	1983
1:10,000	1:10,000
SE40SW	SE40SE
1980	1988
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

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Ordnance Survey Plan

Published 1989

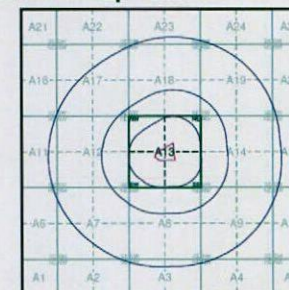
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SE40NW
1989
1:10,000
SE40SW
1989
1:10,000

Historical Map - Slice A



Order Details

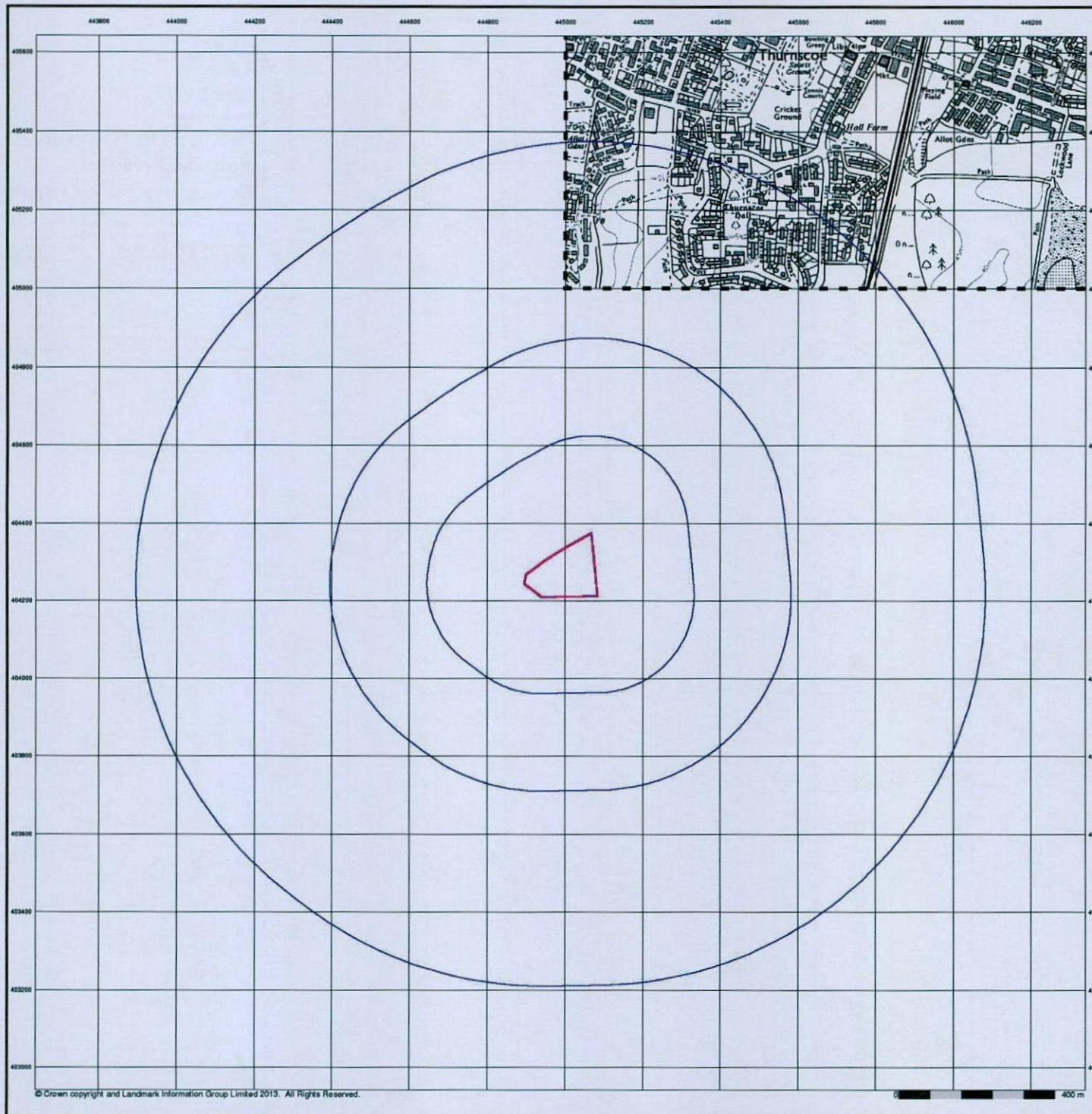
Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

Site Details

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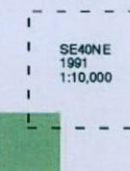
Ordinance Survey Plan

Published 1991

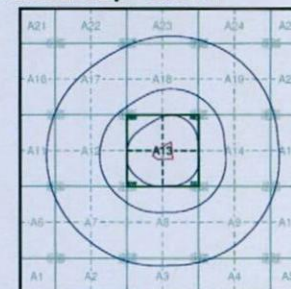
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

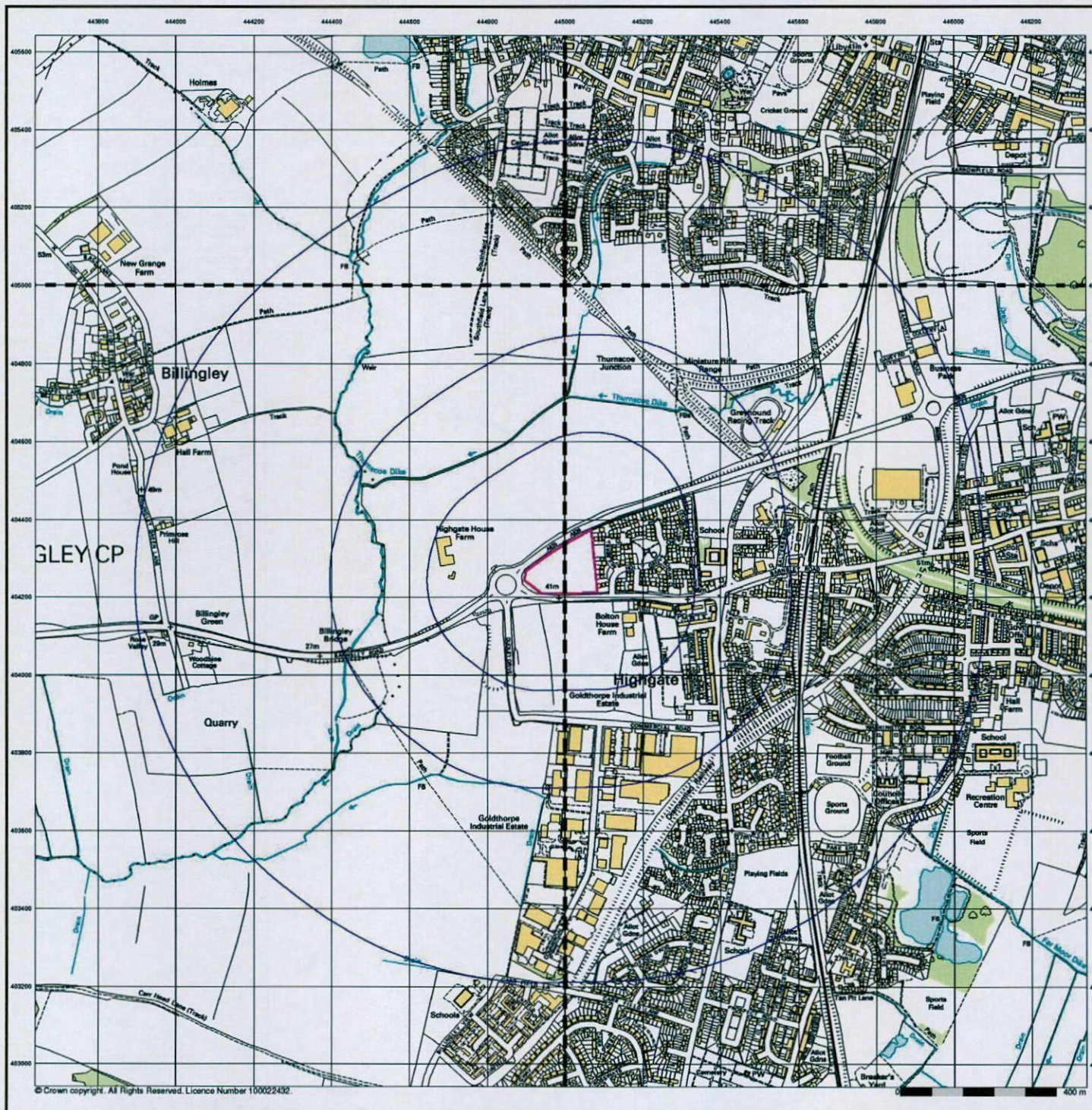
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Customer Ref: 14013
National Grid Reference: 445010, 404280
Slice: A
Site Area (Ha): 1.97
Search Buffer (m): 1000

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10k Raster Mapping

Published 2006

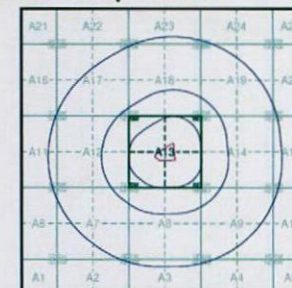
Source map scale - 1:10,000

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)

SE40NW	SE40NE
2006	2006
1:10,000	1:10,000
SE40SW	SE40SE
2006	2006
1:10,000	1:10,000

Historical Map - Slice A



Order Details

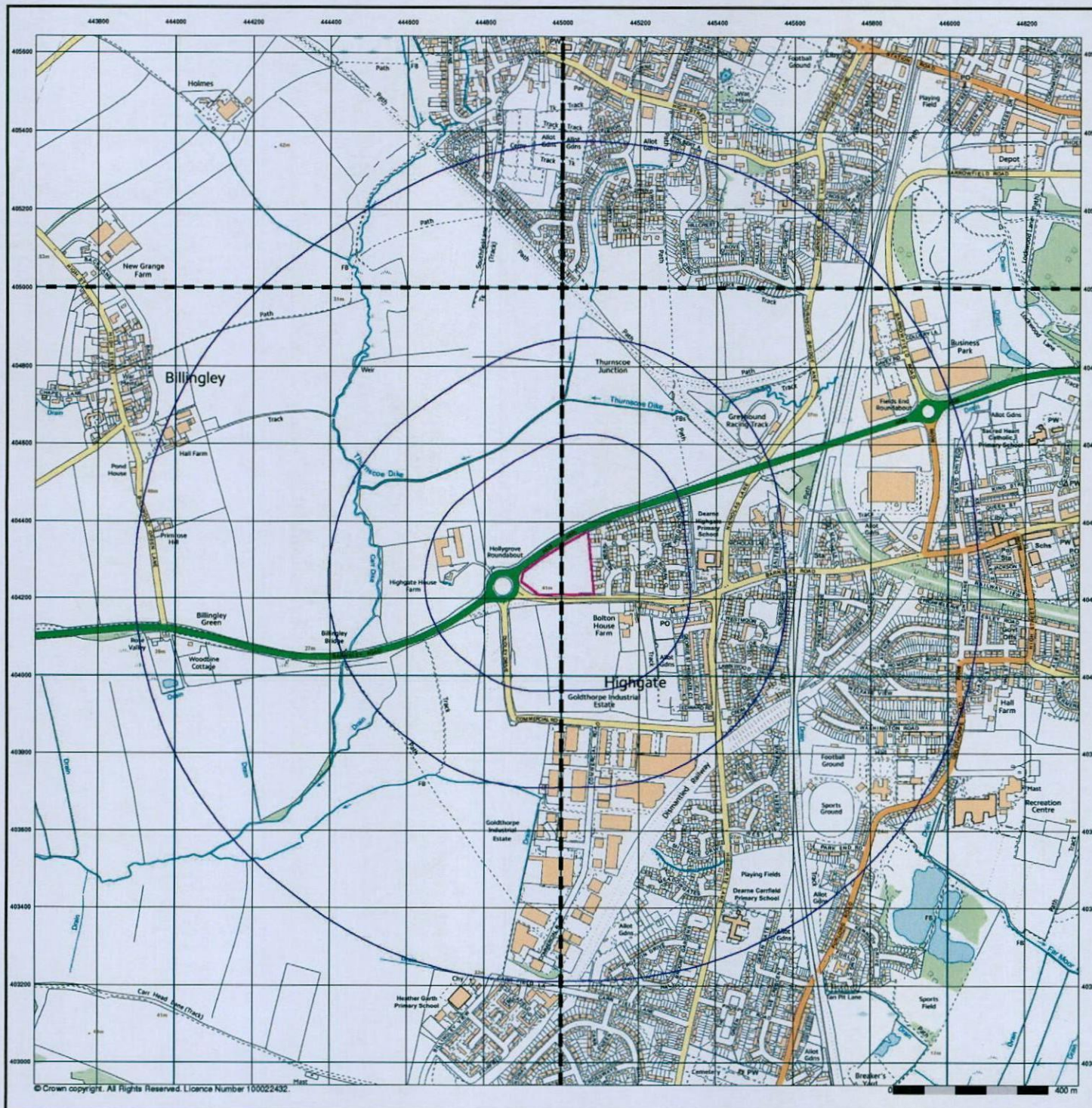
Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

Site Details

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VectorMap Local

Published 2013

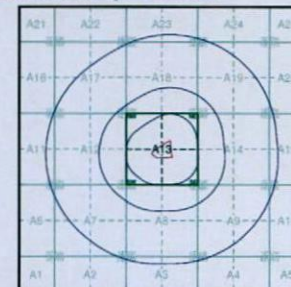
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SE40NW	SE40NE
2013	2013
Variable	Variable
SE40SW	SE40SE
2013	2013
Variable	Variable

Historical Map - Slice A



Order Details

Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

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Appendix C

Envirocheck Report

Envirocheck[®] Report: Datasheet

Order Details:

Order Number:

54721541_1_1

Customer Reference:

14013

National Grid Reference:

445010, 404280

Slice:

A

Site Area (Ha):

1.97

Search Buffer (m):

1000

Site Details:

Barsley Road
Goldthorpe
Rotherham
South Yorkshire
S63 9LB

Client Details:

Mr J Roberts
3e Consulting Engineers Ltd
4 Calder Close
Calder Park
Wakefield
WF4 3BA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	14
Hazardous Substances	-
Geological	17
Industrial Land Use	32
Sensitive Land Use	38
Data Currency	39
Data Suppliers	44
Useful Contacts	45

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.

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Radon Potential dataset Copyright Notice

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

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	18
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 5				1
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 5				7
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6		Yes		
Pollution Incidents to Controlled Waters	pg 7				18
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 10			3	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 10				(*1)
Water Industry Act Referrals	pg 10				1
Groundwater Vulnerability	pg 10	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	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
Detailed River Network Lines	pg 11			Yes	n/a
Detailed River Network Offline Drainage					n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 14				1
Historical Landfill Sites	pg 14				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 14				3
Local Authority Recorded Landfill Sites	pg 15				1
Registered Landfill Sites	pg 15				1
Registered Waste Transfer Sites	pg 15				1
Registered Waste Treatment or Disposal Sites	pg 16				1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 17	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 17	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 29		2	1	3
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 30	Yes	n/a	n/a	n/a
Mining Instability	pg 30	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 30	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 30		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 30	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 31		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 31	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 32		1	24	37
Fuel Station Entries	pg 37				2
Sensitive Land Use					
Areas of Adopted Green Belt	pg 38		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 38	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	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Burntwood Close Cso Rear Of 83 Burntwood Close, Thurnscoe, Rotherham, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3729 Permit Version: 2 Effective Date: 18th March 2003 Issued Date: 18th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Thurnscoe Dike Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SE (N)	438	1	445030 404810
2	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Highgate Industrial Estate Sps Commercial Road, Goldthorpe Industrial Estate, Bolton Upon Dearne, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3508 Permit Version: 1 Effective Date: 31st December 1980 Issued Date: 31st December 1980 Revocation Date: 5th February 2003 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Carr Dyke Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m	A8NW (S)	520	1	444940 403690
2	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Highgate Industrial Estate Sps Commercial Road, Goldthorpe Industrial Estate, Bolton Upon Dearne, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3508 Permit Version: 2 Effective Date: 6th February 2003 Issued Date: 6th February 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Carr Dyke Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8NW (S)	530	1	444940 403680
3	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Burntwood Close Cso Rear Of 83 Burntwood Close, Thurnscoe, Rotherham, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3729 Permit Version: 1 Effective Date: 18th July 1983 Issued Date: 18th July 1983 Revocation Date: 17th March 2003 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Thurnscoe Dike Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m	A18SE (N)	531	1	445000 404900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Not Given Location: Fields East Of Southfield Lane, Thurnscoe, BARNSELY, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Deame Reference: 3729(SS) Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Screened sewage Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Thurnscoe Dike Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SE (N)	577	1	445050 404950
5	Discharge Consents Operator: THE COAL AUTHORITY Property Type: Coal Extraction, Deep Mine Location: DERRY GROVE PUMPING STN., GOLDTHORPE/HICKLETON COLLIERY, NEAR ROTHERHAM, SOUTH YORKSHIRE Authority: Environment Agency, North East Region Catchment Area: Don Reference: C4891 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 28th September 1999 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Minewater Discharge: Not Supplied Environment: Receiving Water: TRIB. OF THURNSCOPE DIKE Status: Revoked Positional Accuracy: Located by supplier to within 10m	A18NE (N)	727	1	445080 405100
5	Discharge Consents Operator: The Coal Authority, Property Type: Sewerage Network - Pumping Station - Water Company Location: Derry Grove Pumping Station Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C4891 Permit Version: 1 Effective Date: 17th December 1987 Issued Date: 17th December 1987 Revocation Date: 28th September 1999 Discharge Type: Trade Discharge - Mineral Workings Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Thurnscoe Dike Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NE (N)	737	1	445080 405110
6	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Highgate Lane Pumping Station Goldthorpe, Barnsley, South Yorkshire, England Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5499 Permit Version: 2 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: Tributary Of Carr Dike Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8SE (S)	748	1	445310 403500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Highgate Lane Pumping Station Goldthorpe, Barnsley, South Yorkshire, England Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5499 Permit Version: 1 Effective Date: 14th April 1989 Issued Date: 14th April 1989 Revocation Date: 5th March 2001 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Carr Dike Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 10m	A8SE (S)	748	1	445310 403500
7	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Thumscoe Wpc Works Storm Tanks (CI, Osed) Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2245 Permit Version: 1 Effective Date: 1st January 1982 Issued Date: 1st January 1982 Revocation Date: 29th April 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	748	1	444500 404900
7	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Thumscoe Wpc Works Storm Tanks (CI, Osed) Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2245 Permit Version: 1 Effective Date: 1st January 1982 Issued Date: 1st January 1982 Revocation Date: 29th April 1993 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	748	1	444500 404900
8	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Pumping Station Location: Highgate Lane Ps, Highgate Lane, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Deame Reference: WADC218 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: Thumscoe Dyke Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	756	1	445480 403570

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: West View Crescent Pumping Station Highgate Lane No:2, Goldthorpe, Rotherham, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7687 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: Tributary Of Carr 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	A9SW (SE)	770	1	445420 403520
10	Discharge Consents Operator: Mr Kam-Sang Wan Property Type: Public Houses & Bars Location: The Black Swan Public House Trenholme Bar, A19 Southbound, Northallerton, North Yorkshire, DL6 3JY Authority: Environment Agency, North East Region Catchment Area: Swale Reference: 27/23/0195 Permit Version: 1 Effective Date: 3rd April 2002 Issued Date: 3rd April 2002 Revocation Date: 14th January 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Of Trenholme Stell Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	856	1	444270 403660
11	Discharge Consents Operator: Obex Ltd. Property Type: Trade (Unknown/Other) Location: Woodbine, Woodbine, Woodbine, Woodbine Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7193 Permit Version: 1 Effective Date: 26th January 1996 Issued Date: 26th January 1996 Revocation Date: 11th June 1999 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Carr Dyke Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	856	1	444190 403760
12	Discharge Consents Operator: Primrose Farmhouse Property Type: Mixed Farming Location: Billingley Green Farmhouse, Billingley Green Lane, Billingley, Barnsley Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5259 Permit Version: 2 Effective Date: 26th July 2012 Issued Date: 26th July 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Adjacent To The Farmhouse Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A11NE (W)	998	1	443900 404300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: Primrose Hill Barn Property Type: Mixed Farming Location: Billingley Green Farmhouse, Billingley Green Lane, Billingley, Barnsley Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5259 Permit Version: 2 Effective Date: 26th July 2012 Issued Date: 26th July 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Adjacent To The Farmhouse Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A11NE (W)	998	1	443900 404300
12	Discharge Consents Operator: Primrose Hill Barn Property Type: Mixed Farming Location: Billingley Green Farmhouse, Billingley Green Lane, Billingley, Barnsley Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5259 Permit Version: 1 Effective Date: 30th September 1988 Issued Date: 30th September 1988 Revocation Date: 25th July 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Adjacent To The Farmhouse Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A11NE (W)	998	1	443900 404300
12	Discharge Consents Operator: Primrose Farmhouse Property Type: Mixed Farming Location: Billingley Green Farmhouse, Billingley Green Lane, Billingley, Barnsley Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5259 Permit Version: 1 Effective Date: 30th September 1988 Issued Date: 30th September 1988 Revocation Date: 25th July 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Adjacent To The Farmhouse Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A11NE (W)	998	1	443900 404300
13	Integrated Pollution Controls Name: Idi Europe Ltd (Dissolved) Location: Unit 20, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Authority: Environment Agency, North East Region Permit Reference: AB4176 Dated: 28th February 1992 Process Type: IPC new application Description: 4.5 A (H) Inorganic Chemical processes within the Chemical Industry Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A8SE (S)	755	1	445092 403458
14	Local Authority Pollution Prevention and Controls Name: Monks Hill Service Station Location: Barnsley Road Highgate, Goldthorpe, ROTHERHAM, South Yorkshire, S63 9AP Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/106 Dated: 24th March 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A14NW (E)	520	2	445597 404295

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Local Authority Pollution Prevention and Controls Name: Woodbine Opencast Site Location: South Of Doncaster Road, Billingley, BARNSELEY, South Yorkshire, S Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/5 Coal, coke and coal product processes Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	776	2	444200 403900
16	Local Authority Pollution Prevention and Controls Name: Dearneside Motors Location: DEARNESIDE MOTOR CO. LIMITED, 106 Barnsley Road, Goldthorpe, ROTHERHAM, South Yorkshire, S63 9AE Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: ppc/b/88 Dated: 7th January 2002 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A14NE (E)	811	2	445887 404323
16	Local Authority Pollution Prevention and Controls Name: H & A Motors Location: Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AA Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Epa111 Dated: 3rd July 2001 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorised Positional Accuracy: Automatically positioned to the address	A14NE (E)	818	2	445893 404336
17	Local Authority Pollution Prevention and Controls Name: Hoyland Fox Goldthorpe Location: Unit 2 Fieldsend Industrial Estate, Fields End Road, Goldthorpe, Rotherham, S63 9AF Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/73 Dated: 4th December 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG6/23 Coating of metal and plastic Status: Site Closed Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	932	2	445937 404709
18	Local Authority Pollution Prevention and Controls Name: Bh Motors Location: Gosling Gate Lane, Goldthorpe, Rotherham, S63 9LU Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/111 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Located by supplier to within 10m	A15NW (E)	952	2	446012 404492
19	Local Authority Pollution Prevention and Controls Name: Clean N' Mend Location: 47 Barnsley Road, Goldthorpe, Rotherham, S63 9LT Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/76 Dated: 22nd August 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A15NW (E)	988	2	446065 404315
	Nearest Surface Water Feature	A13SW (W)	182	-	444715 404237

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Tributary Of Carr Dyke Authority: Environment Agency, North East Region Pollutant: Chemicals - Alkali Note: No Fish Killed Incident Date: 10th September 1997 Incident Reference: SH970483 Catchment Area: Deame Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	513	1	445100 403700
21	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: Derry Grove Crude Sewage Overflow, THURNSCOE Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Ings/Carr/Thurnscoe Dikes; Fish Killed: No Information Incident Date: 13th May 1998 Incident Reference: SH980179 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	A18SE (N)	532	1	445001 404901
22	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Rd Brdg/Markers Brdg B6273 Deame 07 Authority: Environment Agency, North East Region Pollutant: Coal Solids Note: Not Supplied Incident Date: 15th October 1992 Incident Reference: 137703 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	A14NW (NE)	579	1	445600 404600
23	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Stockbridge/Carleton Bridge Aire 16A Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Not Supplied Incident Date: 15th April 1993 Incident Reference: 142880 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	A8SE (S)	610	1	445001 403601
24	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Rd Brdg/Markers Brdg B6273 Deame 07 Authority: Environment Agency, North East Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 18th March 1992 Incident Reference: 131388 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	A19SW (NE)	622	1	445600 404695
24	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Rd Brdg/Markers Brdg B6273 Deame 07 Authority: Environment Agency, North East Region Pollutant: Cement/Mortar Note: Not Supplied Incident Date: 26th March 1992 Incident Reference: 131635 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	A19SW (NE)	624	1	445600 404700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Pollution Incidents to Controlled Waters Property Type: Abandoned mine Location: Thurnscoe Dyke Downstream Of, Colliery Authority: Environment Agency, North East Region Pollutant: Mining Water Note: Pollution Found; No Fish Killed Incident Date: 26th November 1996 Incident Reference: SH960488 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	A14NE (NE)	672	1	445700 404600
26	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Rd Brdg/Markers Brdg B6273 Deame 07 Authority: Environment Agency, North East Region Pollutant: Animal Waste/Slurry Note: Not Supplied Incident Date: 27th July 1992 Incident Reference: 135293 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	682	1	445600 404800
27	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Meadowgates, Bolton On Deame Authority: Environment Agency, North East Region Pollutant: Sewage - Wrong Connection Note: Ings/Carr/Thurnscoe Dikes; No Fish Killed Incident Date: 27th May 1998 Incident Reference: SH980238 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	A8SE (S)	684	1	445250 403550
27	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Meadowgates, Bolton On Deame Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Ings/Carr/Thurnscoe Dikes; No Fish Killed Incident Date: 16th June 1998 Incident Reference: SH980235 Catchment Area: Deame Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	688	1	445250 403545
27	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Carr Dyke, Meadowgates, BOLTON UPON DEARNE Authority: Environment Agency, North East Region Pollutant: Sewage - Wrong Connection Note: Watercourse :Ings/Carr/Thurnscoe Dikes; From Houghton Beck To River Deame Incident Date: 8th February 1998 Incident Reference: SH980037 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	A8SE (S)	708	1	445230 403520
28	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Markers Bridge B6273, /Darfd A635 Deame 08 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 17th July 1992 Incident Reference: 135113 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	A19SE (NE)	712	1	445700 404700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Rd Brdg/Markers Brdg B6273 Dearne 07 Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 12th August 1992 Incident Reference: 135725 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	A18NE (N)	727	1	445100 405100
30	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Tributary Of Carr Dyke Authority: Environment Agency, North East Region Pollutant: Sewage - Wrong Connection Note: No Fish Killed Incident Date: 26th September 1997 Incident Reference: SH970517 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	745	1	445300 403500
31	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Other Location: Thurnscoe Dyke, Near Goldthorpe Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Fish Killed: No Information Incident Date: 4th January 1996 Incident Reference: SH960026 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	760	1	445700 404795
31	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Other Location: Thurnscoe Dyke Near, GOLDTHORPE Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Pollution Found; Fish Killed: No Information Incident Date: 4th January 1996 Incident Reference: SH960026 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	763	1	445700 404800
32	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Rd Bridge/Bolton Brdg B6098 Dearne 05 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 27th May 1992 Incident Reference: 133396 Catchment Area: Not Given Receiving Water: No Pollution Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	822	1	445900 404300
33	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: THURNSCOE Authority: Environment Agency, North East Region Pollutant: Oils - Waste Oil Note: No Fish Killed Incident Date: 21st August 1997 Incident Reference: SH970396 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	936	1	445200 405300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Ings/Carr/Thurnscoe Dikes GQA Grade: River Quality C Reach: Hickleton_Main_Colli_Houghton_Bec Estimated Distance (km): 2.6 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13NW (NW)	306	1	444813 404579
	River Quality Name: Ings/Carr/Thurnscoe Dikes GQA Grade: River Quality C Reach: Houghton_Beck_River_Dearn Estimated Distance (km): 4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A12SE (W)	373	1	444524 404291
	River Quality Name: Houghton_Beck GQA Grade: River Quality E Reach: Great_Houghton_Sewag_Carr_Dik Estimated Distance (km): 2.2 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A12NE (W)	492	1	444457 404479
	Water Abstractions Operator: Barnsley Metropolitan Borough Council Licence Number: 2/27/08/101 Permit Version: Not Supplied Location: Deame Brickyard Fishing Ponds, Goldthorpe, ROTHERHAM, South Yorkshire Authority: Environment Agency, North East Region Abstraction: Pond level maintenance Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 264 Yearly Rate (m3): 86000 Details: Status: Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	1162	1	446000 403500
34	Water Industry Act Referrals Name: Multiscreen Glass Ltd Location: UNIT 20 COMMERCIAL ROAD, GOLDTHORPE IND EST, ROTHERHAM, SOUTH YORKSHIRE, S63 9BL Authority: Environment Agency, North East Region Permit Reference: AE1947 Dated: 18th February 1992 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application cancelled Positional Accuracy: Automatically positioned to the address	A8SE (S)	755	1	445092 403458
	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 12 Vale of York Scale: 1:100,000	A13SE (N)	0	1	445006 404277
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	A13SE (N)	0	3	445006 404277
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	A13SE (W)	0	3	445000 404277
	Superficial Aquifer Designations No Data Available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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				
35	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NW (NW)	299	1	444833 404584
36	Detailed River Network Lines River Type: Secondary River River Name: Thurnscoe Dike Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NW (NW)	315	1	444754 404550
37	Detailed River Network Lines River Type: Secondary River River Name: Thurnscoe Dike Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	333	1	445001 404712
38	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	334	1	444968 404692

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	345	1	445001 404712
40	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	347	1	445003 404715
41	Detailed River Network Lines River Type: Primary River River Name: Carr Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12SE (W)	364	1	444532 404265
42	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	386	1	445016 404756
43	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	407	1	445021 404778
44	Detailed River Network Lines River Type: Primary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NE (W)	481	1	444472 404484

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A7NE (SW)	494	1	444528 403915
46	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8NW (S)	499	1	444865 403716
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	BGS Recorded Landfill Sites Site Name: Mary Lane Location: Darfield, NR BARNSELEY, South Yorks Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Unknown Boundary Accuracy: Not Applicable	A12SW (W)	737	3	444200 404000
48	Historical Landfill Sites Licence Holder: Barnsley Metropolitan Borough Council Location: Off Highfield Avenue, Goldthorpe Name: Railway Cutting Operator Location: Amenities and Recreation Department, 50 Huddersfield Road, Barnsley Boundary Accuracy: As Supplied Provider Reference: EAHL04442 First Input Date: 31st May 1985 Last Input Date: 17th November 1986 Specified Waste Type: Deposited Waste included Inert and Commercial Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0416 BGS Ref: Not Supplied Other Ref: 20B474(13), WD20 B474, 4400/B474	A14SE (E)	776	1	445858 404196
49	Licensed Waste Management Facilities (Locations) Licence Number: 60583 Location: Rear Of Greyhound Stadium, Nicholas Lane, Goldthorpe, Barnsley, South Yorkshire Operator Name: Jones Barry Operator Location: 52 Nicholas Lane, Athersley South, Barnsley, S Yorks, S71 3PR Authority: Environment Agency - North East Region, Ridings Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Issued Issued: 15th June 1989 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 100m	A19SW (NE)	542	1	445500 404700
49	Licensed Waste Management Facilities (Locations) Licence Number: 60583 Location: Rear Of Greyhound Stadium, Nicholas Lane, Goldthorpe, Barnsley, South Yorkshire, S63 9AS Operator Name: Wallis James Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Modified Issued: 15th June 1989 Last Modified: 26th July 2005 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	542	1	445500 404700
50	Licensed Waste Management Facilities (Locations) Licence Number: 60610 Location: Goldthorpe H W R C, Nicholas Lane, Goldthorpe, Barnsley, South Yorkshire, S63 9AS Operator Name: F C C Recycling (U K) Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Household Waste Amenity Sites Licence Status: Modified Issued: 14th June 1993 Last Modified: 24th September 2012 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	561	1	445600 404550
	Local Authority Landfill Coverage Name: Barnsley Metropolitan Borough Council - Has supplied landfill data		0	2	445006 404277

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 13 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A14SE (E)	772	2	445854 404195
52	Registered Landfill Sites Licence Holder: Barnsley M.B.C. Licence Reference: WD20 B 474 Site Location: Railway Cutting At Highfield Avenue, Goldthorpe, Rotherham, South Yorkshire Licence Easting: 445900 Licence Northing: 404200 Operator Location: Cleansing Div. Smithies La.D Depot, Barnsley, South Yorkshire Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st May 1985 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Demolition Waste Excavated Natural Materials \$ Horticultural/Landscape Industry Waste Prohibited Waste: Asbestos Liquids In Containers Over 4l Cap. Slurry In Containers Over 4l Cap.	A14SE (E)	818	1	445900 404200
53	Registered Waste Transfer Sites Licence Holder: B.D.R. Waste Disposal Ltd Licence Reference: WD20 B 976 MOD 3 Site Location: Nicholas Lane, Thurnscoe, Rotherham, South Yorkshire Operator Location: Thorncliffe Hall, Thorncliffe Park Estate, Chapeltown, SHEFFIELD, South Yorkshire, S35 2PQ Authority: Environment Agency - North East Region, Ridings Area Site Category: Civic Amenity Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st June 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Domestic/Commercial Waste Ferrous/Non-Ferrous Scrap Metal Glass Max.Waste Permitted By Licence Mineral Oils Motor Vehicle Batteries Paper/Cardboard Waste Textiles Prohibited Waste: Asbestos Waste N.O.S.	A14NW (NE)	561	1	445600 404550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	Registered Waste Treatment or Disposal Sites Licence Holder: B Jones Licence Reference: WD20 B 679 MOD 2 Site Location: Rear Of Greyhound Stadium, Nicholas Lane, Dearne, Barnsley, South Yorkshire Operator Location: 52 Wingfield Road, South Athersley, BARNSELEY, South Yorkshire, S71 3PR Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Site closed (licence partially revoked)Site Closed Dated: 15th June 1989 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Supplied Authorised Waste: Electrical Scrap Ferrous Metal Scrap Max.Storage In Licence Max.Waste Permitted By Licence Non-Ferrous Metal Scrap	A19SW (NE)	503	1	445450 404700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Upper Westphalian (including Pennant Measures)	A13SE (N)	0	3	445006 404277
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (N)	0	4	445025 404337
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (W)	0	4	445000 404277
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (N)	0	4	445006 404277
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (N)	8	4	445000 404345
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (NE)	93	4	445161 404370
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (S)	161	4	445020 404046

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (S)	167	4	445000 404044
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (S)	210	4	445000 404000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (S)	211	4	445006 404000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18SE (N)	277	4	445000 404643
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (N)	278	4	444915 404627
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (N)	296	4	444889 404618

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (NW)	322	4	444756 404560
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18SE (N)	358	4	445000 404729
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18SW (N)	362	4	444957 404724
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18SW (NW)	362	4	444823 404651
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (NW)	391	4	444715 404616
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NE (W)	406	4	444492 404294

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SE (SW)	422	4	444551 404000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SE (W)	526	4	444369 404249
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18SE (N)	529	4	445213 404882
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8NW (S)	532	4	444821 403691
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18SW (N)	556	4	444820 404876
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8NE (S)	559	4	445000 403652

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NE (S)	559	4	445002 403652
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (NW)	577	4	444406 404562
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NW (S)	578	4	444982 403633
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NE (S)	586	4	445000 403625
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SE (S)	624	4	445000 403587
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NE (N)	627	4	445006 405000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18NE (N)	630	4	445000 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18NE (N)	631	4	445147 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18NW (N)	636	4	444958 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NW (W)	647	4	444287 404470
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18NE (N)	663	4	445269 405006
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18NE (N)	664	4	445288 405000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SW (W)	665	4	444278 404000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NW (NE)	701	4	445381 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A7NE (SW)	702	4	444461 403693
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (E)	706	4	445788 404231
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NW (NE)	709	4	445400 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (E)	722	4	445773 404000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SE (NW)	739	4	444527 404909
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	743	4	445794 404000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SW (NW)	783	4	444292 404763
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17NE (NW)	784	4	444583 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NE (E)	792	4	445855 404466
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19NW (NE)	799	4	445413 405094

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	805	4	444545 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	852	4	445417 405151
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	852	4	445430 405145
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	871	4	445568 405086
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	881	4	444412 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	896	4	444000 404277

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SW (W)	897	4	444000 404196
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NW (W)	909	4	444000 404396
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	917	4	446000 404241
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	918	4	446000 404277
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	920	4	446000 404280
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SW (W)	921	4	444000 404032

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17NE (NW)	923	4	444340 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	925	4	446000 404094
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SW (W)	929	4	444000 404000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19NE (NE)	930	4	445755 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NE (E)	931	4	445997 404430
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NE (E)	933	4	446000 404418

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	942	4	446000 404000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NE (E)	943	4	446000 404516
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A23SE (N)	951	4	445000 405322
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19NE (NE)	959	4	445794 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7NW (W)	961	4	444000 403898
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A9SE (SE)	995	4	445868 403601

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	BGS Recorded Mineral Sites Site Name: Highgate Location: , Highgate, Bolton-Upon-Deerne, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37886 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	187	3	444750 404127
56	BGS Recorded Mineral Sites Site Name: Goldthorpe Brick Works Location: , Goldthorpe, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13102 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	213	3	444820 404035
57	BGS Recorded Mineral Sites Site Name: Woodbine Extension Phase 1 Occs Location: , Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 207 Type: Opencast Status: Ceased Operator: Cobex Ltd Operator Location: Cobex Ltd, C/O Price Waterhouse Coopers, 6th Floor, 9 Bonds Court, Leeds, Ls1 2sn Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Surface Mined Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	313	3	444700 404000
58	BGS Recorded Mineral Sites Site Name: Woodbine Occs Location: , Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 206 Type: Opencast Status: Ceased Operator: Cobex Ltd Operator Location: Cobex Ltd, C/O Price Waterhouse Coopers, 6th Floor, 9 Bonds Court, Leeds, Ls1 2sn Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Surface Mined Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	832	3	444180 403820
59	BGS Recorded Mineral Sites Site Name: Highgate Colliery, No. 2 Shaft Location: , Goldthorpe, Doncaster, Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 174782 Type: Underground Status: Ceased Operator: British Coal - N Yorkshire Area Operator Location: British Coal - N Yorkshire Area, Po Box 13, Allerton Bywater, Castleford, West Yorkshire, WF10 2al Periodic Type: Carboniferous Geology: Shafton Coal (West And South Yorkshire And Derbyshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	908	3	445885 404770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	BGS Recorded Mineral Sites Site Name: Highgate Colliery Location: , Goldthorpe, Doncaster, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 1459 Type: Underground Status: Ceased Operator: British Coal - N Yorkshire Area Operator Location: British Coal - N Yorkshire Area, Po Box 13, Allerton Bywater, Castleford, West Yorkshire, WF10 2al Periodic Type: Carboniferous Geology: Shafton Coal (West And South Yorkshire And Derbyshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	913	3	445875 404800
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (N)	0	5	445006 404277
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (N)	0	-	445006 404277
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	3	445000 404277
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	3	445006 404277
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	248	3	444903 404578
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	249	3	445000 404613
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	3	445000 404277
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	3	445006 404277
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	96	3	445161 404394
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	165	3	444792 404116
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	249	3	445000 404613
	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	A13SE (W)	0	3	445000 404277
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	3	445006 404277

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	3	445000 404277
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	3	445006 404277
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	96	3	445161 404394
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	165	3	444792 404116
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	248	3	444903 404578
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	249	3	445000 404613
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	3	445000 404277
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	3	445006 404277
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	445000 404314
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	445015 404310
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	154	3	445014 404056
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	156	3	445000 404055
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	248	3	444903 404578
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	249	3	445000 404613
	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	A13SE (W)	0	3	445000 404277
	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	A13SE (N)	0	3	445006 404277
	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	A13SE (W)	0	3	445000 404277
	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	A13SE (N)	0	3	445006 404277

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	Contemporary Trade Directory Entries Name: North East Truck & Van Ltd Location: 21, Cherry Grove, Goldthorpe, Rotherham, South Yorkshire, S63 9LE Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	230	-	445290 404435
60	Contemporary Trade Directory Entries Name: Elite Restorations Location: 28, Cherry Grove, Goldthorpe, Rotherham, South Yorkshire, S63 9LE Classification: Leather Goods - Cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	254	-	445312 404441
61	Contemporary Trade Directory Entries Name: Vanquish Location: 185, Barnsley Road Highgate, Goldthorpe, Rotherham, South Yorkshire, S63 9AU Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	273	-	445353 404176
61	Contemporary Trade Directory Entries Name: Mobility Assured Location: 185, Barnsley Road Highgate, Goldthorpe, Rotherham, South Yorkshire, S63 9AU Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	273	-	445353 404176
61	Contemporary Trade Directory Entries Name: Vanquish Location: 185, Barnsley Road Highgate, Goldthorpe, Rotherham, South Yorkshire, S63 9AU Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	273	-	445353 404176
61	Contemporary Trade Directory Entries Name: Vanquish Location: 185, Barnsley Road Highgate, Goldthorpe, Rotherham, South Yorkshire, S63 9AU Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	273	-	445353 404176
62	Contemporary Trade Directory Entries Name: Wallis Metals Location: Nicholas Lane, Rotherham, South Yorkshire, S63 9AS Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	354	-	445426 404338
63	Contemporary Trade Directory Entries Name: House Fairies Location: 11, Westmoor Close, Goldthorpe, Rotherham, South Yorkshire, S63 9GE Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	356	-	445423 404109
64	Contemporary Trade Directory Entries Name: Woodland Logistics Location: Unit 1, Goldthorpe Ind Est, Commercial Rd, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Road Haulage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	357	-	445187 403871
64	Contemporary Trade Directory Entries Name: Howcroft Industrial Supplies Location: Unit 3f, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	360	-	445106 403854
64	Contemporary Trade Directory Entries Name: Interlock Ltd Location: Unit 10E, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Adhesive & Sealant Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	370	-	445153 403850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	Contemporary Trade Directory Entries Name: Mike Satur Ltd Location: Unit 3d-3e, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	377	-	445106 403836
64	Contemporary Trade Directory Entries Name: Pyxis Animal Health Location: Unit 10a, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Veterinary Pharmacies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	401	-	445152 403818
65	Contemporary Trade Directory Entries Name: Morebrooke Ltd Location: Unit 2, Goldthorpe Ind Est, Commercial Rd, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	382	-	445063 403830
65	Contemporary Trade Directory Entries Name: Wilson Location: Unit 3C, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Refrigerators & Freezers - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	407	-	445103 403806
66	Contemporary Trade Directory Entries Name: Claremont Garments Location: Goldthorpe Indust Est, Commercial Rd, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	384	-	445248 403866
67	Contemporary Trade Directory Entries Name: Emerald Pallets Location: Unit 9c, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, ROTHERHAM, South Yorkshire, S63 9BL Classification: Pallets, Crates & Packing Cases Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	398	-	445195 403831
67	Contemporary Trade Directory Entries Name: Frontier Foods Location: Unit 2, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	417	-	445217 403818
67	Contemporary Trade Directory Entries Name: Helesi Location: Unit 2, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	417	-	445217 403818
67	Contemporary Trade Directory Entries Name: Home Choose Blinds Location: Unit 11a, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	426	-	445191 403801
67	Contemporary Trade Directory Entries Name: Home Choose Blinds Location: Unit 11A, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	426	-	445191 403801

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	Contemporary Trade Directory Entries Name: Darfield Motor Controls Ltd Location: Unit 11c, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Control Panels Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	443	-	445190 403783
68	Contemporary Trade Directory Entries Name: Ian'S Car Sales Location: Highgate Lane, Goldthorpe, Rotherham, South Yorkshire, S63 9BJ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	438	-	445507 404107
69	Contemporary Trade Directory Entries Name: Pressure Design Hydraulics Ltd Location: Unit 26, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	486	-	444979 403724
69	Contemporary Trade Directory Entries Name: Beta Engineering Services Ltd Location: Unit 3A, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	501	-	444955 403710
70	Contemporary Trade Directory Entries Name: Tsunami Initiative Ltd Location: Unit 8, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Screen Process Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	491	-	445045 403721
71	Contemporary Trade Directory Entries Name: Crystal Blinds Location: 25, Cranwell Court, Goldthorpe, Rotherham, South Yorkshire, S63 9GA Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	511	-	445490 403904
72	Contemporary Trade Directory Entries Name: Total Location: Barnsley Road Highgate, Goldthorpe, Rotherham, South Yorkshire, S63 9AP Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	520	-	445597 404295
72	Contemporary Trade Directory Entries Name: Monkshill Service Station Location: 136, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AW Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	520	-	445597 404295
73	Contemporary Trade Directory Entries Name: P J O Industrial Ltd Location: Unit 5, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	531	-	445112 403682
73	Contemporary Trade Directory Entries Name: Inditherm Location: Unit 5, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Insulation Materials Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	531	-	445112 403682
73	Contemporary Trade Directory Entries Name: Tint Mania Location: Unit 11e, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Window Tinting Status: Active Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	532	-	445112 403682

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	Contemporary Trade Directory Entries Name: Workshop Recycling Location: Goldthorpe Ind Est, Commercial Rd, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Reclaiming - Waste Products Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	532	-	445112 403682
74	Contemporary Trade Directory Entries Name: Speed P V C Ltd Location: Unit 13, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	596	-	445131 403619
75	Contemporary Trade Directory Entries Name: Admech Engineering Co Ltd Location: Unit 2, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SE (S)	665	-	445052 403548
75	Contemporary Trade Directory Entries Name: V C Electronics Ltd Location: Unit 14, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Electronic Equipment - Manufacturers & Assemblers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SE (S)	665	-	445052 403548
75	Contemporary Trade Directory Entries Name: Resitex Coatings Location: Unit 3F, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Paint Manufacturers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SE (S)	665	-	445052 403548
75	Contemporary Trade Directory Entries Name: W G F (Uk) Ltd Location: Unit 30, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SE (S)	665	-	445052 403548
75	Contemporary Trade Directory Entries Name: Samantha Products Location: Unit 11F, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SE (S)	665	-	445052 403548
75	Contemporary Trade Directory Entries Name: Duve Components (Uk) Ltd Location: Unit 28, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Car Component Manufacturers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SE (S)	665	-	445052 403548
76	Contemporary Trade Directory Entries Name: Scotts Classic Car Parts Location: 114, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AW Classification: Classic Car Specialists Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	686	-	445763 404302
77	Contemporary Trade Directory Entries Name: Nettlefolds Location: Unit 15, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Nuts, Bolts & Fixings Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	695	-	445092 403518

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	Contemporary Trade Directory Entries Name: Kostal (Uk) Ltd Location: Unit 16, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	700	-	445014 403511
79	Contemporary Trade Directory Entries Name: Promar International Location: Unit 20, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Laboratories Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SE (S)	755	-	445092 403458
79	Contemporary Trade Directory Entries Name: Hatfields Windows Location: Cambertown House, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	801	-	445084 403412
80	Contemporary Trade Directory Entries Name: Dearnside Motor Co Ltd Location: 106, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AE Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	811	-	445887 404323
80	Contemporary Trade Directory Entries Name: H & A Motors Location: Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	819	-	445893 404336
80	Contemporary Trade Directory Entries Name: Gee Jay Motors Location: Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AA Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	819	-	445893 404336
80	Contemporary Trade Directory Entries Name: Geejay Motors Location: 98, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AA Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	832	-	445908 404324
81	Contemporary Trade Directory Entries Name: Lenzkes Clamping Tools (Gb) Ltd Location: Unit 22 Goldthorpe Indust Est, Commercial Rd, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Tool Design, Manufacturers & Makers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SE (S)	828	-	445041 403384
81	Contemporary Trade Directory Entries Name: Workshop Recycling Location: Unit 23b, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Reclaiming - Waste Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	845	-	445073 403367
81	Contemporary Trade Directory Entries Name: Workshop Recycling Location: Unit 23b, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Recycling Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	845	-	445073 403367
82	Contemporary Trade Directory Entries Name: Building Product Solutions Location: Unit 30, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: PVC-U Products - Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	836	-	444944 403374

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	Contemporary Trade Directory Entries Name: Granville Oil & Chemicals Ltd Location: Unit 29, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Chemical Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	896	-	444918 403314
84	Contemporary Trade Directory Entries Name: B H Motors Location: Gosling Gate Rd, Goldthorpe, Rotherham, South Yorkshire, S63 9LU Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A15NW (E)	961	-	446022 404489
85	Contemporary Trade Directory Entries Name: Deame Fabrications Location: 2, Gosling Gate Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LU Classification: Tungsten Tool Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A15NW (E)	972	-	446045 404364
86	Contemporary Trade Directory Entries Name: South Yorkshire Foiling Location: 5, Fields End Business Park, Thurnscoe, Rotherham, South Yorkshire, S63 0JF Classification: Lamination & Encapsulation Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	973	-	445927 404830
86	Contemporary Trade Directory Entries Name: Solarframe Ltd Location: Fields End Business Pk, Thurnscoe, Rotherham, South Yorkshire, S63 0JF Classification: Window Frame Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	973	-	445927 404830
87	Contemporary Trade Directory Entries Name: F K Naylor Location: The Blacksmiths Shop, Goldthorpe Green, Goldthorpe, Rotherham, South Yorkshire, S63 9EL Classification: Blacksmiths & Forgemasters Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	974	-	445888 403664
88	Contemporary Trade Directory Entries Name: Clean'N'Mend Location: 47, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LT Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A15NW (E)	989	-	446066 404315
88	Contemporary Trade Directory Entries Name: Ironing Team Location: 47, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LT Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A15NW (E)	989	-	446066 404315
89	Contemporary Trade Directory Entries Name: K T Fabrications Location: 39, Kelly Street, Goldthorpe, Rotherham, South Yorkshire, S63 9NB Classification: Gate Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A15NW (E)	999	-	446063 404457
90	Fuel Station Entries Name: Monkhill Service Station Location: Barnsley Road Highgate, Goldthorpe, Rotherham, South Yorkshire, S63 9AP Brand: Total Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A14NW (E)	520	-	445597 404295
91	Fuel Station Entries Name: Dearnside Motor Company Location: 106, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AE Brand: Jet Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A14NE (E)	794	-	445870 404319

Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	Areas of Adopted Green Belt Authority: Barnsley Metropolitan Borough Council, Planning Department Plan Name: Barnsley Unitary Development Plan Status: Adopted Plan Date: 31st December 2000	A13NW (NW)	33	6	444960 404350
93	Nitrate Vulnerable Zones Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13SE (N)	0	8	445006 404277

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Rotherham Metropolitan Borough Council - Environmental Health Department Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Wakefield City Metropolitan District Council - Environmental Health	December 2012 July 2013 November 2012 November 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North East Region	February 2014	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - North East Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - North East Region	February 2014	Quarterly
Local Authority Integrated Pollution Prevention And Control Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Wakefield City Metropolitan District Council - Environmental Health Rotherham Metropolitan Borough Council - Planning Department	November 2012 November 2012 November 2012 September 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Rotherham Metropolitan Borough Council - Planning Department Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Wakefield City Metropolitan District Council - Environmental Health	March 2013 November 2012 November 2012 November 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Rotherham Metropolitan Borough Council - Planning Department Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Wakefield City Metropolitan District Council - Environmental Health	March 2013 November 2012 November 2012 November 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2012	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	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	March 2013	As notified
Registered Radioactive Substances Environment Agency - North East Region	February 2014	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	February 2014 February 2014	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	December 2014	Quarterly
Water Industry Act Referrals Environment Agency - North East Region	February 2014	Quarterly

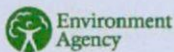
Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Source Protection Zones Environment Agency - Head Office	December 2014	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2014	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2014	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2014	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2014	Quarterly
Flood Defences Environment Agency - Head Office	February 2014	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - Solent & South Downs Area Environment Agency - South East Region - West Thames Area	February 2014 February 2014 February 2014 February 2014 February 2014 February 2014	Quarterly Quarterly Quarterly Quarterly 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 Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - Solent & South Downs Area Environment Agency - South East Region - West Thames Area	February 2014 February 2014 February 2014 February 2014 February 2014 February 2014	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	February 2014 February 2014	Quarterly Quarterly
Local Authority Landfill Coverage Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Rotherham Metropolitan Borough Council - Environmental Health Department Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Rotherham Metropolitan Borough Council - Environmental Health Department Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable 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	March 2014	Bi-Annually
Explosive Sites Health and Safety Executive	November 2013	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Doncaster Metropolitan Borough Council Wakefield City Metropolitan District Council Rotherham Metropolitan Borough Council Barnsley Metropolitan Borough Council - Planning Department	April 2013 February 2013 November 2013 October 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Doncaster Metropolitan Borough Council Wakefield City Metropolitan District Council Rotherham Metropolitan Borough Council Barnsley Metropolitan Borough Council - Planning Department	April 2013 February 2013 November 2013 October 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2013	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	December 2013	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	October 2013	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
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

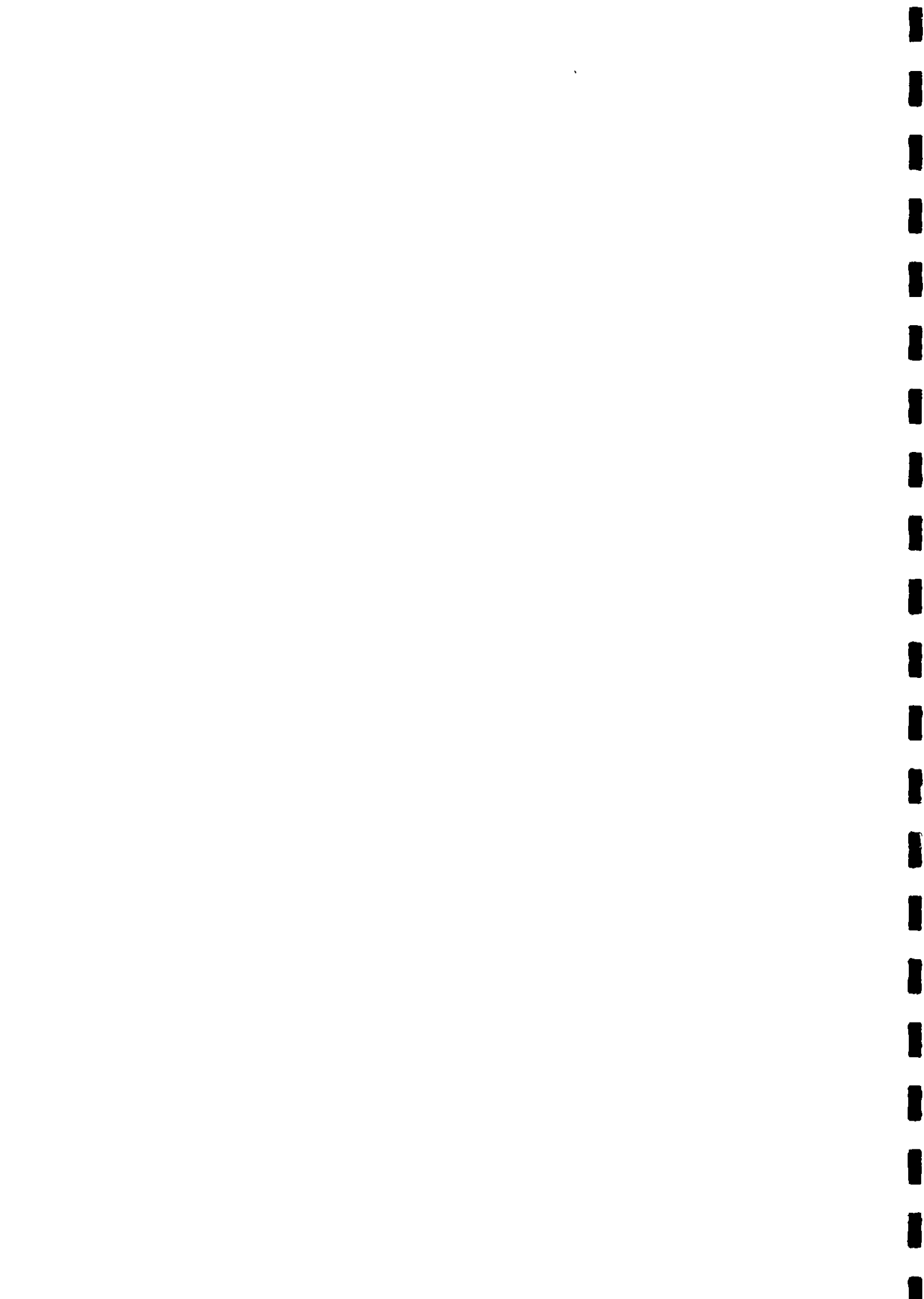
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	February 2014	Quarterly
Fuel Station Entries Catalist Ltd - Experian	March 2014	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Doncaster Metropolitan Borough Council Rotherham Metropolitan Borough Council Wakefield City Metropolitan District Council	February 2014 February 2014 February 2014 February 2014	As notified As notified As notified As notified
Areas of Unadopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Doncaster Metropolitan Borough Council Rotherham Metropolitan Borough Council Wakefield City Metropolitan District Council	February 2014 February 2014 February 2014 February 2014	As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	January 2014	Bi-Annually
Environmentally Sensitive Areas Natural England	July 2013	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	July 2013	Bi-Annually
Marine Nature Reserves Natural England	July 2013	Bi-Annually
National Nature Reserves Natural England	January 2014	Bi-Annually
National Parks Natural England	January 2014	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2013	Annually
Ramsar Sites Natural England	July 2013	Bi-Annually
Sites of Special Scientific Interest Natural England	July 2013	Bi-Annually
Special Areas of Conservation Natural England	July 2013	Bi-Annually
Special Protection Areas Natural England	July 2013	Bi-Annually

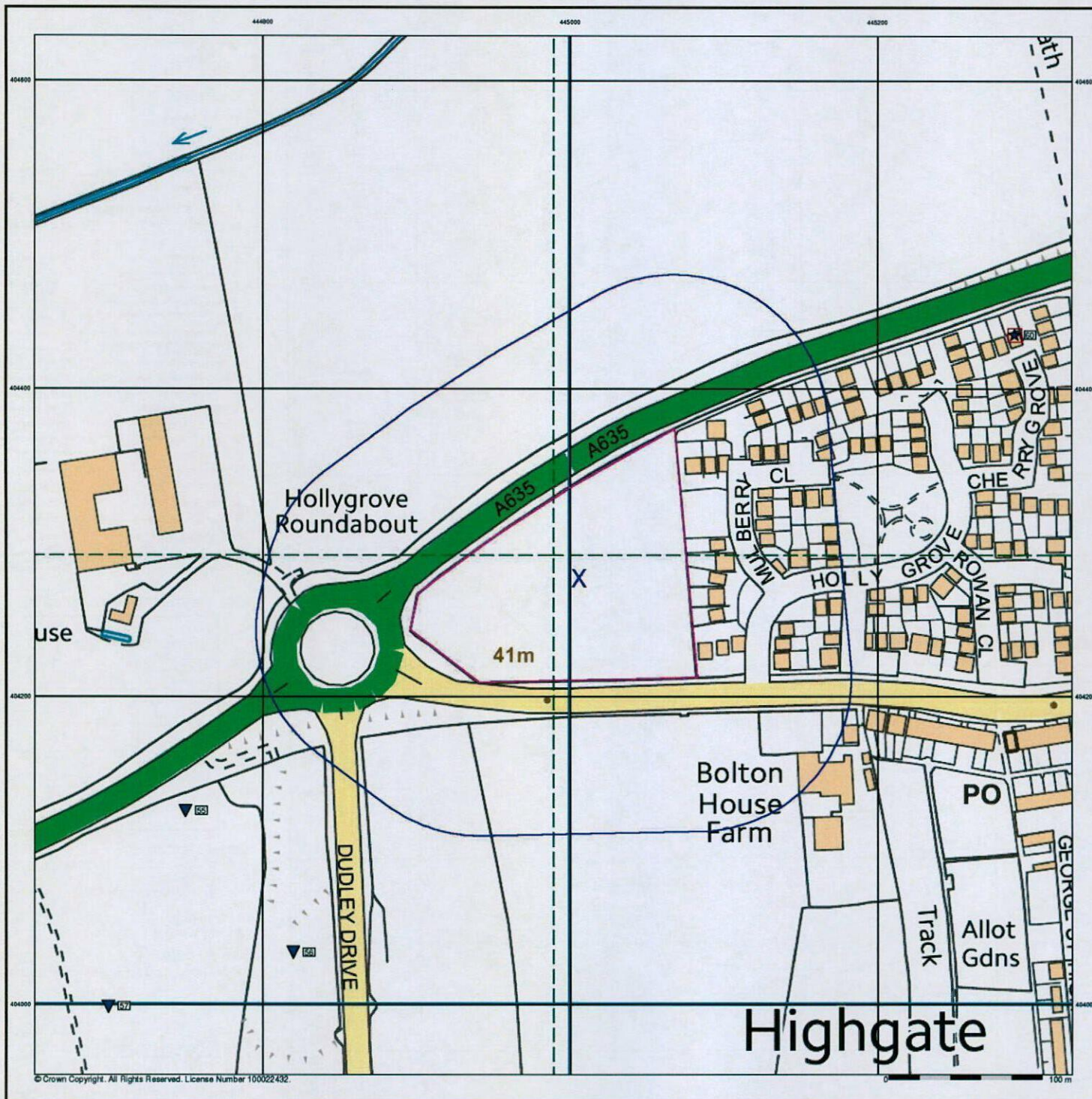
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Countryside Council for Wales	 CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES
Scottish Natural Heritage	
Natural England	
Public Health England	
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	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
5	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
6	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
7	Doncaster Metropolitan Borough Council Danum House, St Sepulchre Gate, Doncaster, South Yorkshire, DN1 1UB	Telephone: 01302 734854 Fax: 01302 734949 Website: www.doncaster.gov.uk
8	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
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / 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

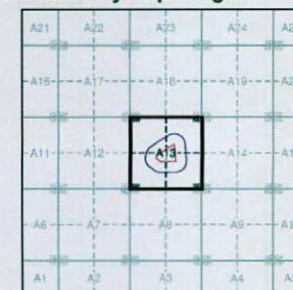
Agency and Hydrological

- 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 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 Internal

Geological

- BOS Recorded Mineral Site
- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Segment A13



Order Details

Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97

Site Details

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB

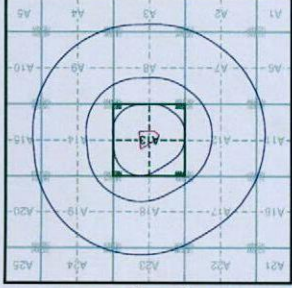


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 Fax: 0844 844 9951
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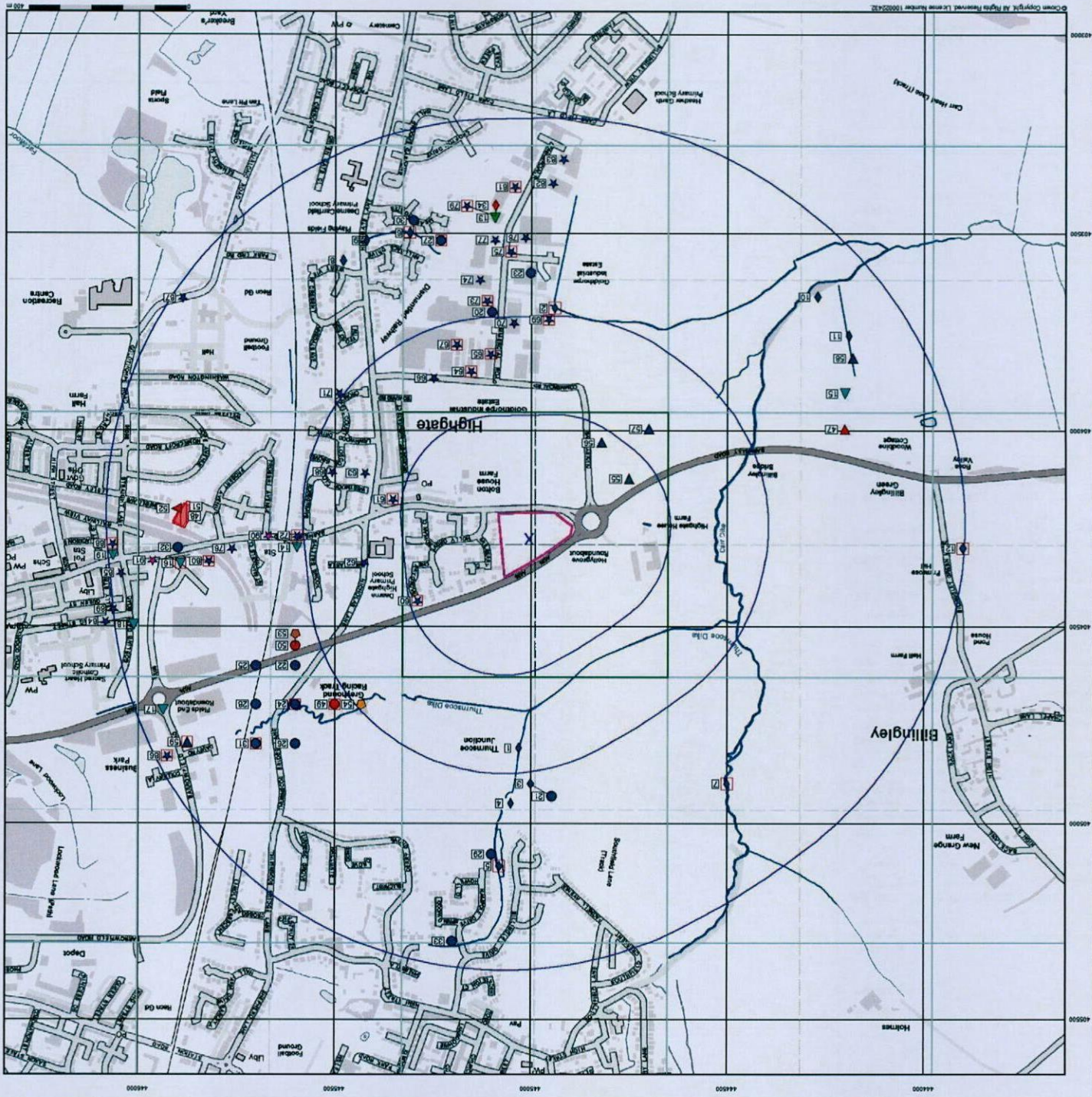
Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB

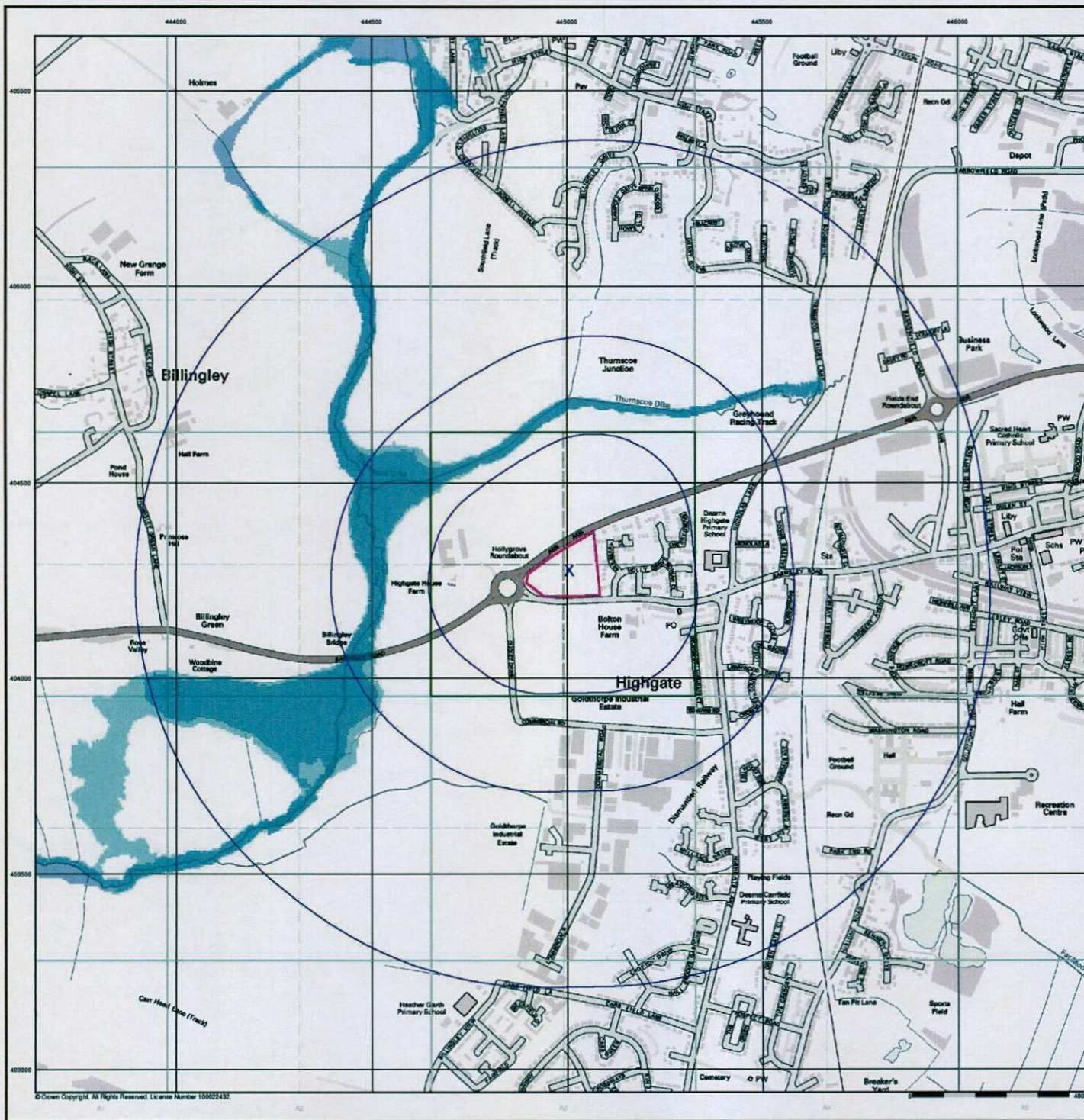
Order Details	
Order Number:	54721541_1_1
Customer Ref:	14013
National Grid Reference:	445010, 404280
Slice:	A
Site Area (Ha):	1.97
Search Buffer (m):	1000



Site Sensitivity Map - Slice A

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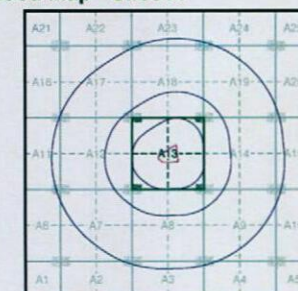
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

Site Details

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB



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Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB

Order Number: 547221541_1_1
Customer Ref: 14013
National Grid Reference: 445010, 404280
Slice: A
Site Area (Ha): 1.97
Search Buffer (m): 1000

Order Details



Borehole Map - Slice A

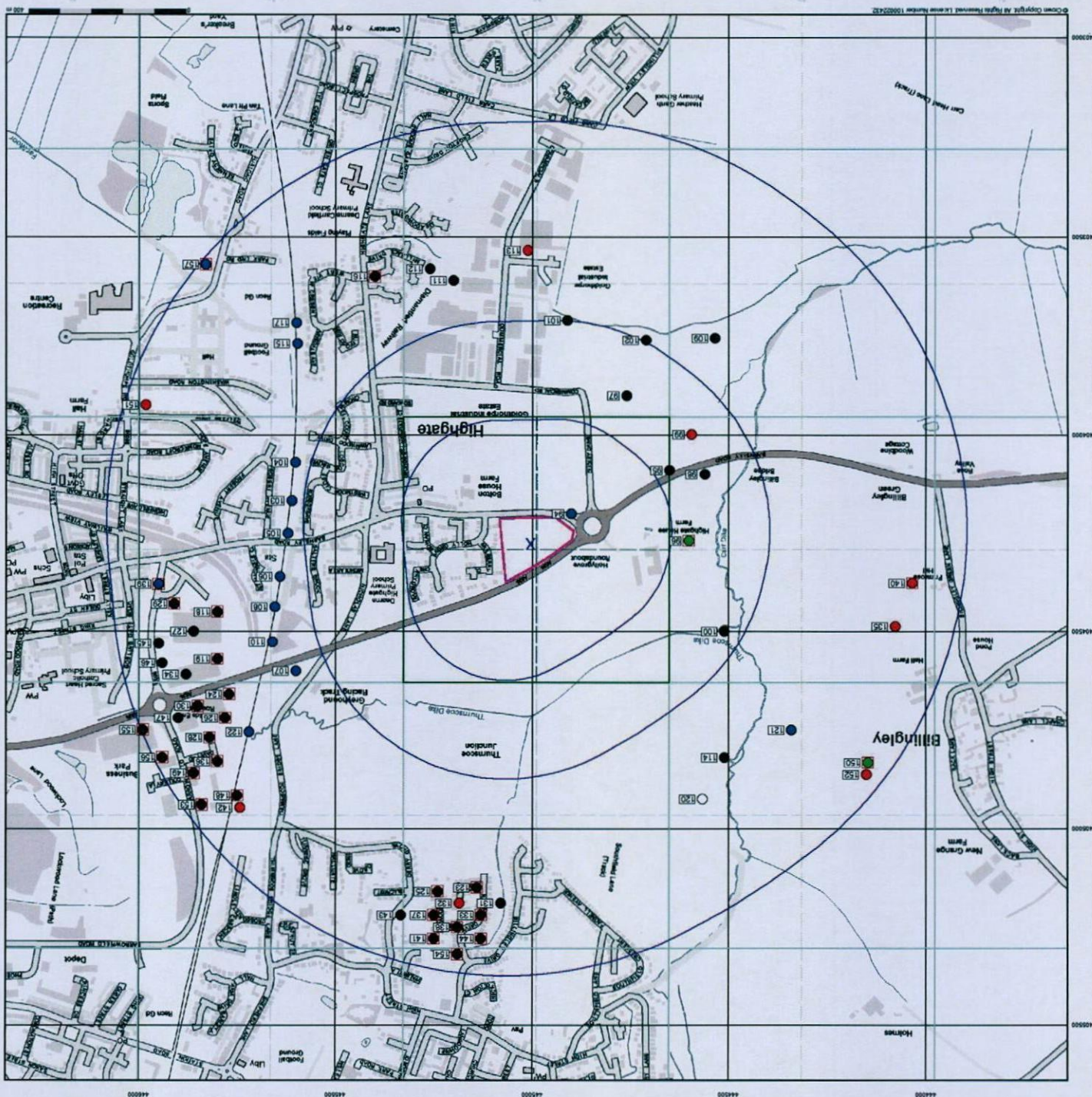
For Borehole information please refer to the Borehole .csv file which accompanied this slice.

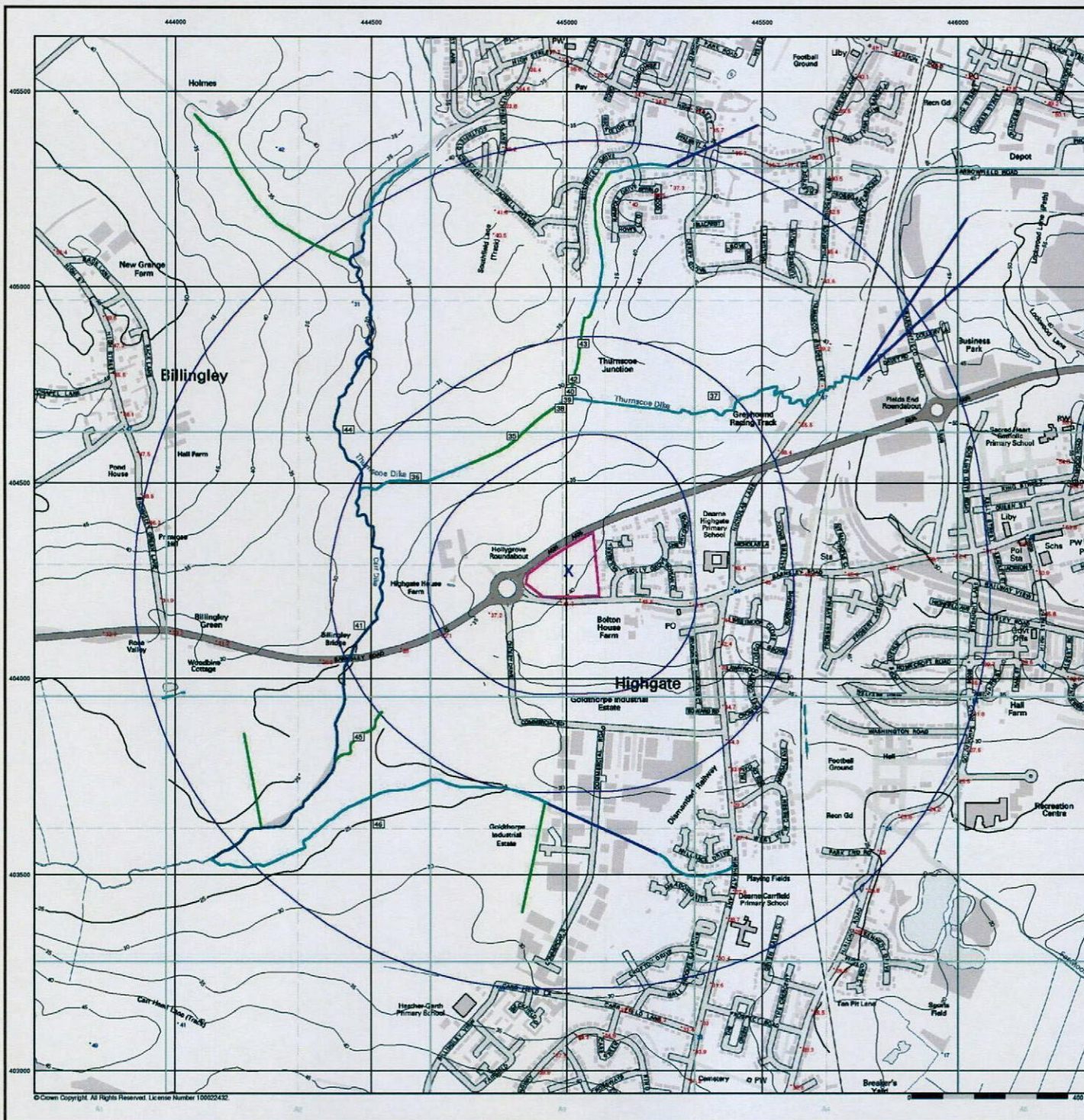
A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Agency and Hydrological (Boreholes)

- General**
-  Specified Site
 -  Specified Buffer(s)
 -  Nearest Reference Point
 -  Map ID
 -  Several of Type at Location
- Agency and Hydro**
-  B05 Bankline Depth 0 - 10m
 -  B05 Bankline Depth 10 - 30m
 -  B05 Bankline Depth 30m +
 -  Confidential
 -  Other

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General

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

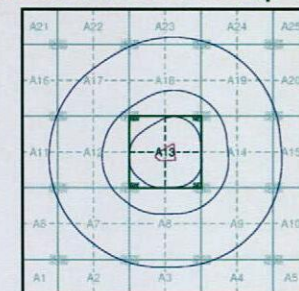
EA Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature

Contours (height in metres)

- Standard Contour
- Index Contour
- Spot Height
- Air Height

EA Detailed River Network Map - Slice A



Order Details

Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

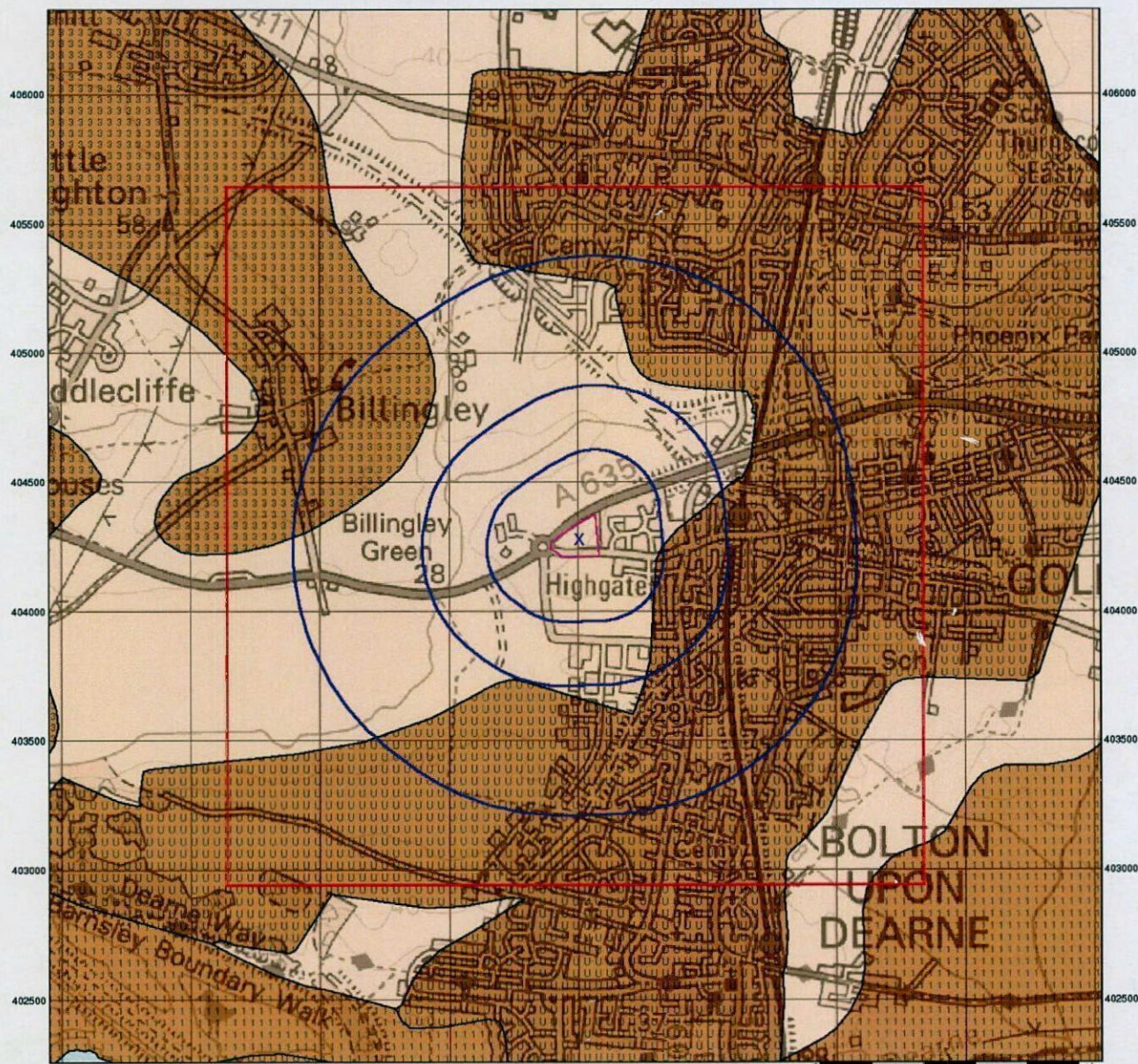
Site Details

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB



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

443000 443500 444000 444500 445000 445500 446000 446500 447000



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consulting engineers

Groundwater Vulnerability

General

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

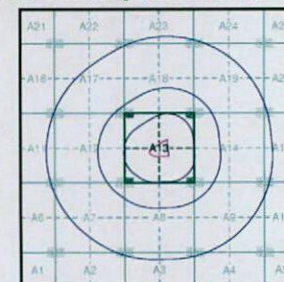
Agency and Hydrological

Geological 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

Soil Classes

Site Sensitivity Context Map - Slice A



Order Details

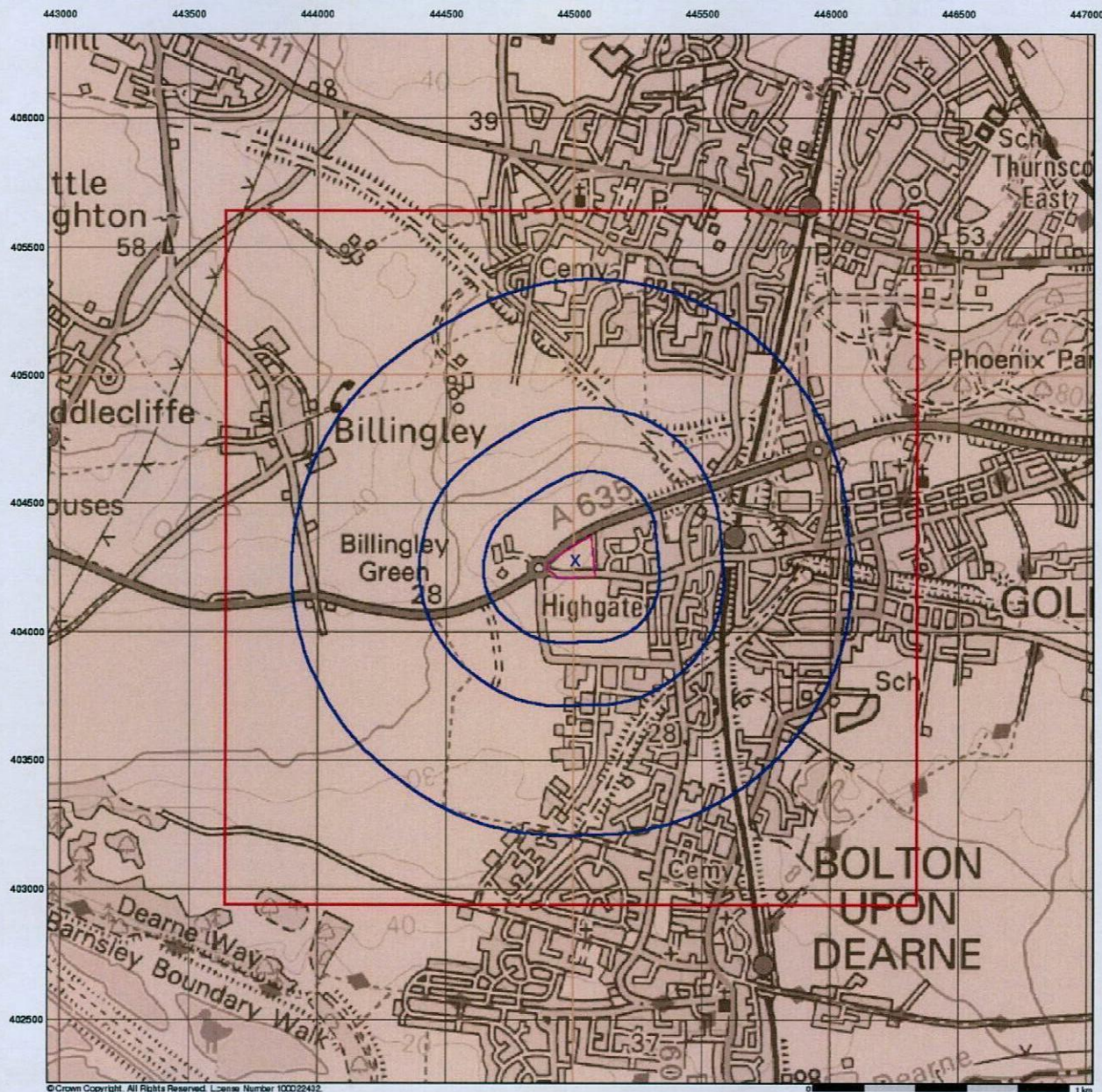
Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

Site Details

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB



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Bedrock Aquifer Designation

General

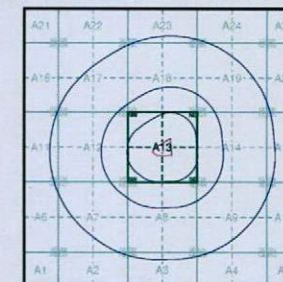
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

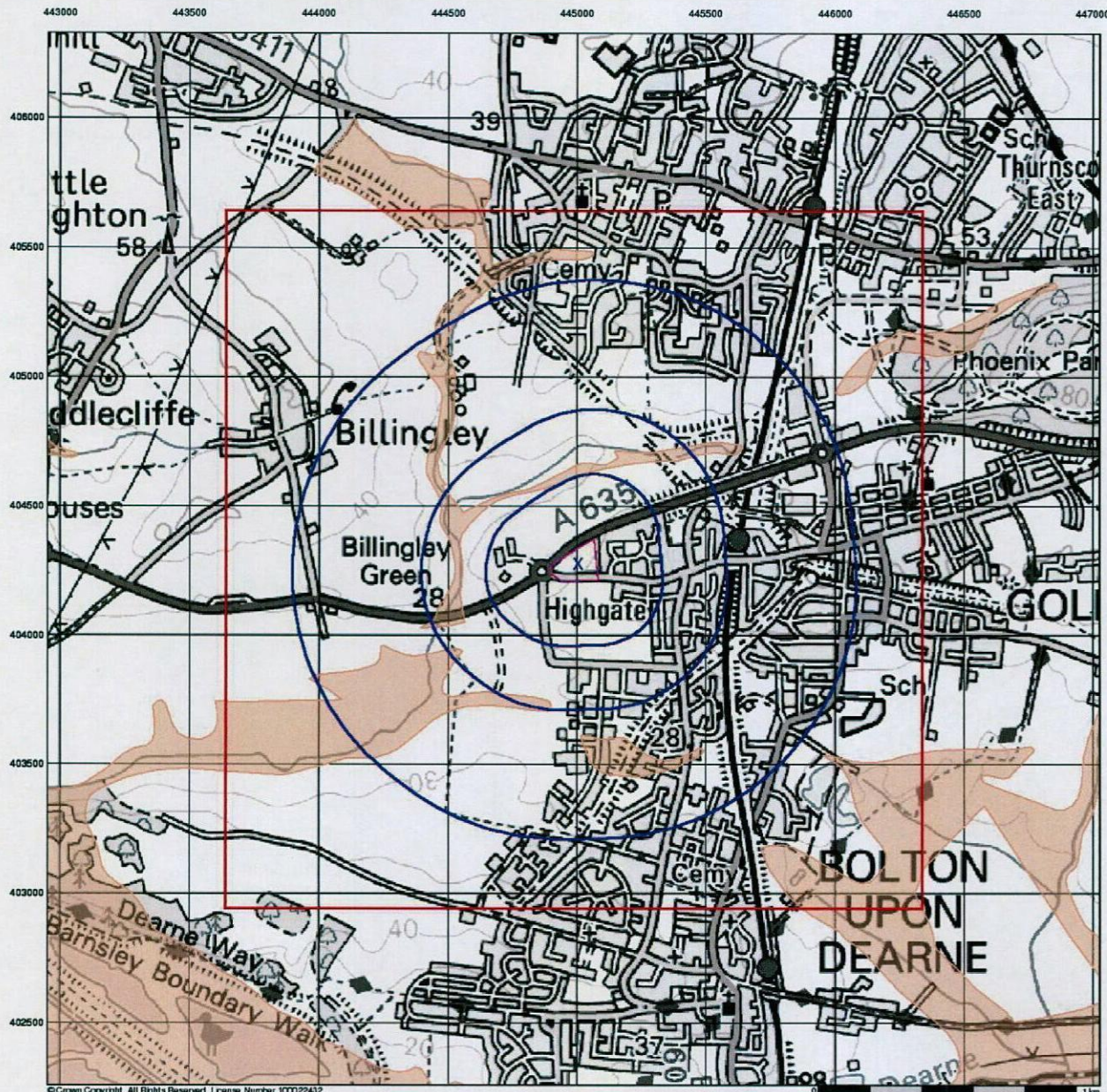
Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

Site Details

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB



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



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Superficial Aquifer Designation

General

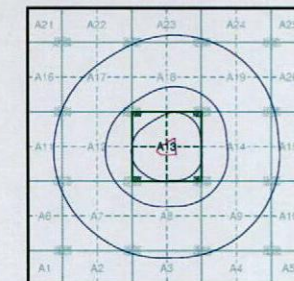
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

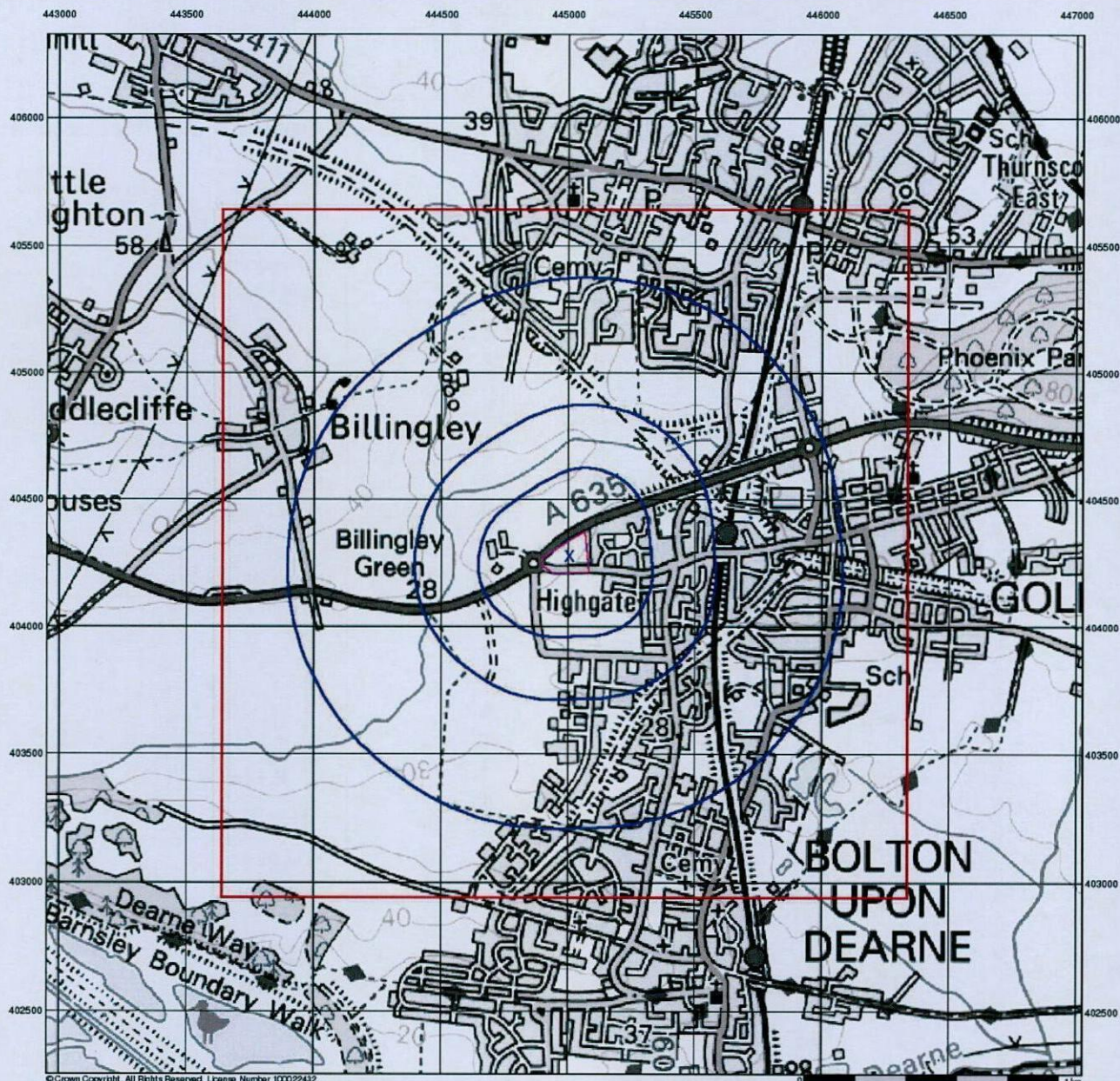
Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

Site Details

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB



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Source Protection Zones

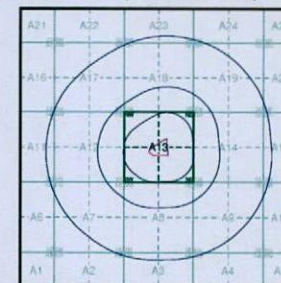
General

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

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

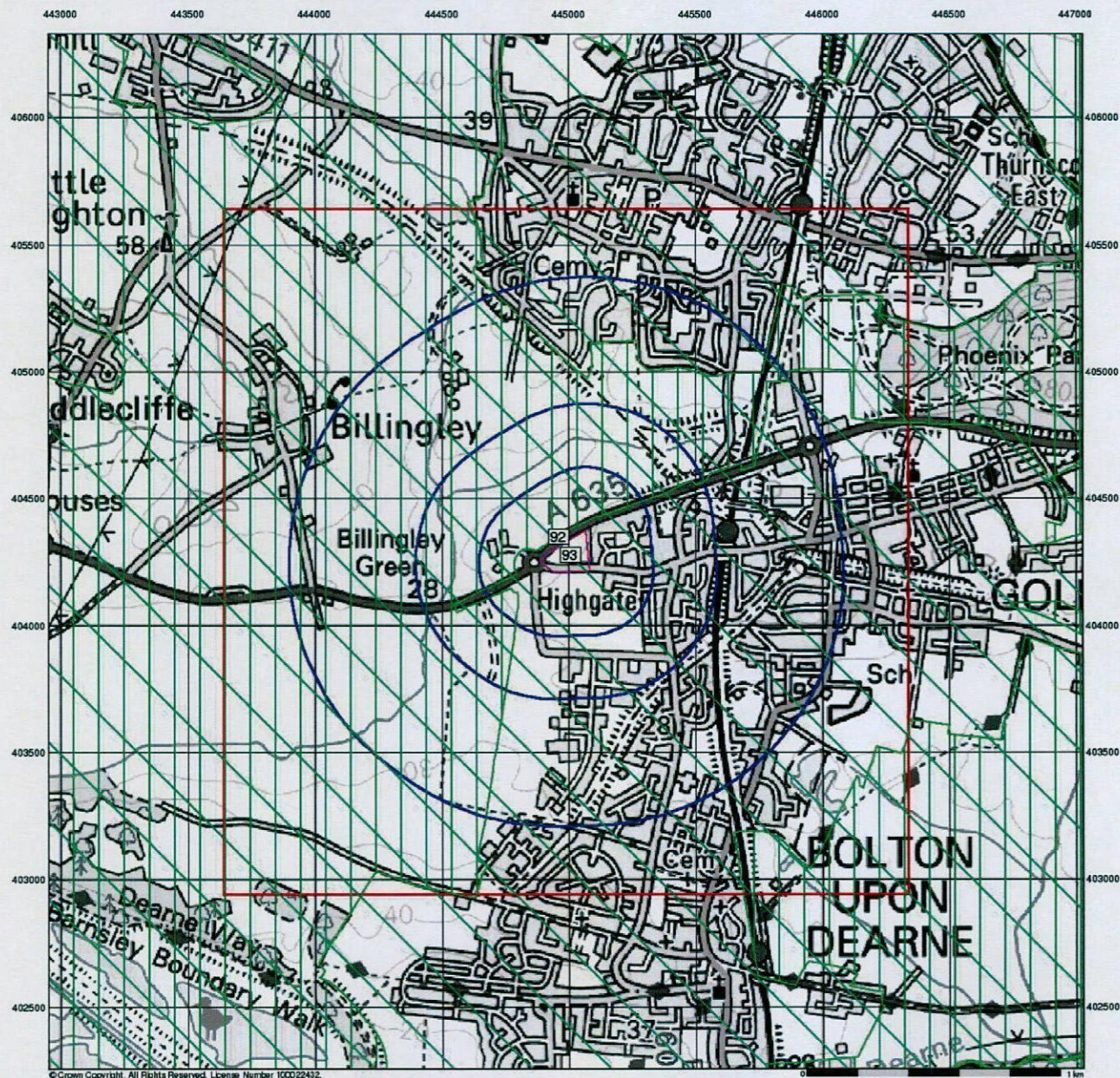
Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

Site Details

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB



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Sensitive Land Uses

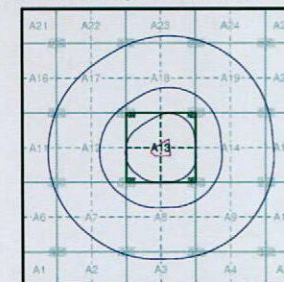
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 54721541_1_1
 Customer Ref: 14013
 National Grid Reference: 445010, 404280
 Slice: A
 Site Area (Ha): 1.97
 Search Buffer (m): 1000

Site Details

Barsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LB



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

Appendix D

Coal Authority Report



The Coal
Authority

Issued by:

The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG
Website: www.groundstability.com Phone: 0845 762 6848 DX 716176 MANSFIELD 5

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

Our reference: **51000505066002**
Your reference: **54721541_2|**
Date of your enquiry: **28 March 2014**
Date we received your enquiry: **28 March 2014**
Date of issue: **28 March 2014**

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

Non-Residential Coal Authority Mining Report

SITE AT BARSLEY ROAD, GOLDTHORPE, ROTHERHAM, 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	See comments below
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 5 seams of coal at 280m to 810m depth, and last worked in 1990.

Any ground movement from these coal workings should have stopped by now.

In addition the property is in an area where the Coal Authority believe there is coal at or close to the surface. This coal may have been worked at some time in the past.

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 or otherwise work 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

Within, or within 20 metres of, the boundary of the property there is 1 mine entry, the approximate position of which is shown on the attached plan.
Our records disclose the following information:

445404-009, is filled and was located by drilling during investigations for Dearne Towns Link Road by Barnsley MBC.
Records may be incomplete. Consequently, there may exist in the local area mine entries of which the Coal Authority has no knowledge.

For an additional fee, the Coal Authority will provide a supplementary Mine Entry Interpretive Report. The report will provide a separate assessment for the mine entry (entries) referred to in this report. It will give details based on information in the Coal Authority's possession, together with an opinion on the likelihood of mining subsidence damage arising from ground movement as a consequence of the existence of the mine entry/entries. It will also give details of the remedies available for subsidence damage where the mine entry was sunk in connection with coal mining. Please note that it may not be possible to produce a report if the main building to the property cannot be identified from Coal Authority plans (ie. for development sites and new build).
For further advice on how to order this additional information visit www.groundstability.com or telephone 0845 7626 848.

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 subject property, or any property within 50 metres, since 31st 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 in an area for which notices of entitlement to withdraw support were published in 1980, 1983.

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

The attached plan shows the approximate location of the disused mine entry/entries referred to in this report. For reasons of clarity, mine entry symbols may not be drawn to the same scale as the plan.

Property owners have the benefit of statutory protection (under the Coal Mining Subsidence act 1991*). This contains provision for the making good, to the reasonable satisfaction of the owner, of physical damage from disused coal mine workings including disused coal mine entries. A leaflet setting out the rights and the obligations of either the Coal Authority or other responsible persons under the 1991 Act can be obtained by telephoning 0845 762 6848 or online at www.coal.decc.gov.uk/en/coal/cms/services/claims.

If you wish to discuss the relevance of any of the information contained in this report you should seek the advice of a qualified mining engineer or surveyor. If you or your adviser wish to examine the source plans from which the information has been taken these are normally available at our Mansfield office, free of charge, by prior appointment, telephone 01623 637235. Should you or your adviser wish to carry out any physical investigations that may enter, disturb or interfere with any disused mine entry the prior permission of the owner must be sought. For coal mine entries the owner will normally be the Coal Authority.

The Coal Authority, regardless of responsibility and in conjunction with other public bodies, provide an emergency call out facility in coalfield areas to assess the public safety implications of mining features (including disused mine entries). Our emergency telephone number at all times is 01623 646333.

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

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.

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Location map



Approximate position
of property



Enquiry boundary

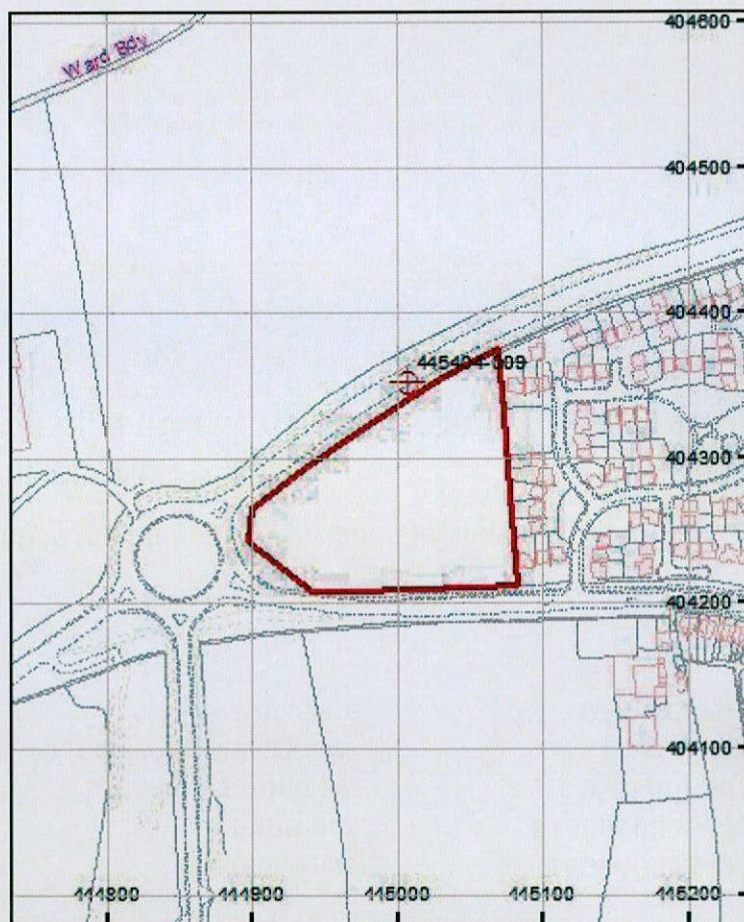
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Key

Approximate position of enquiry
boundary shown



Disused Adit or Mineshaft





The Coal
Authority

Issued by:

The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG
Website: www.groundstability.com Phone: 0845 762 6848 DX 716176 MANSFIELD 5

**3E CONSULTING ENGINEERS
UNIT 4
CALDER CLOSE
DURKAR
WAKEFIELD
WEST YORKSHIRE
WF4 3BA**

Our reference:	51000499464001
Your reference:	51000505066002
Date of your enquiry:	03 April 2014
Date we received your enquiry:	03 April 2014
Date of issue:	03 April 2014

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

Mine Entry Interpretive Report

LAND OFF, BARNSELEY ROAD, GOLDTHORPE, BARNSELEY, SOUTH YORKSHIRE, S63 9LB

I refer to the enquiry dated 03 April 2014, received 03 April 2014, in connection with the above.

MINE ENTRY INFORMATION

Interpretive Reports Reference: 51000499464001

LAND OFF, BARNSELEY ROAD, GOLDTHORPE, BARNSELEY, SOUTH YORKSHIRE, S63 9LB

Shaft or adit:	Shaft
Mineral worked:	Coal
Mine entry reference:	445404-009
Source:	Located by developers
Colliery name:	Unknown
Entry name:	Unknown
Date abandoned:	Unknown
Depth of superficial deposits (m):	1.0
Depth of shaft (m):	27.0
Diameter/Maximum width (m):	2.0
Probable adit azimuth:	Not Applicable
Treatment details:	is filled and was located by drilling during investigations for Dearne Towns Link Road by Barnsley MBC
Conveyance:	Not Applicable
Other information:	None

STABILITY REPORT

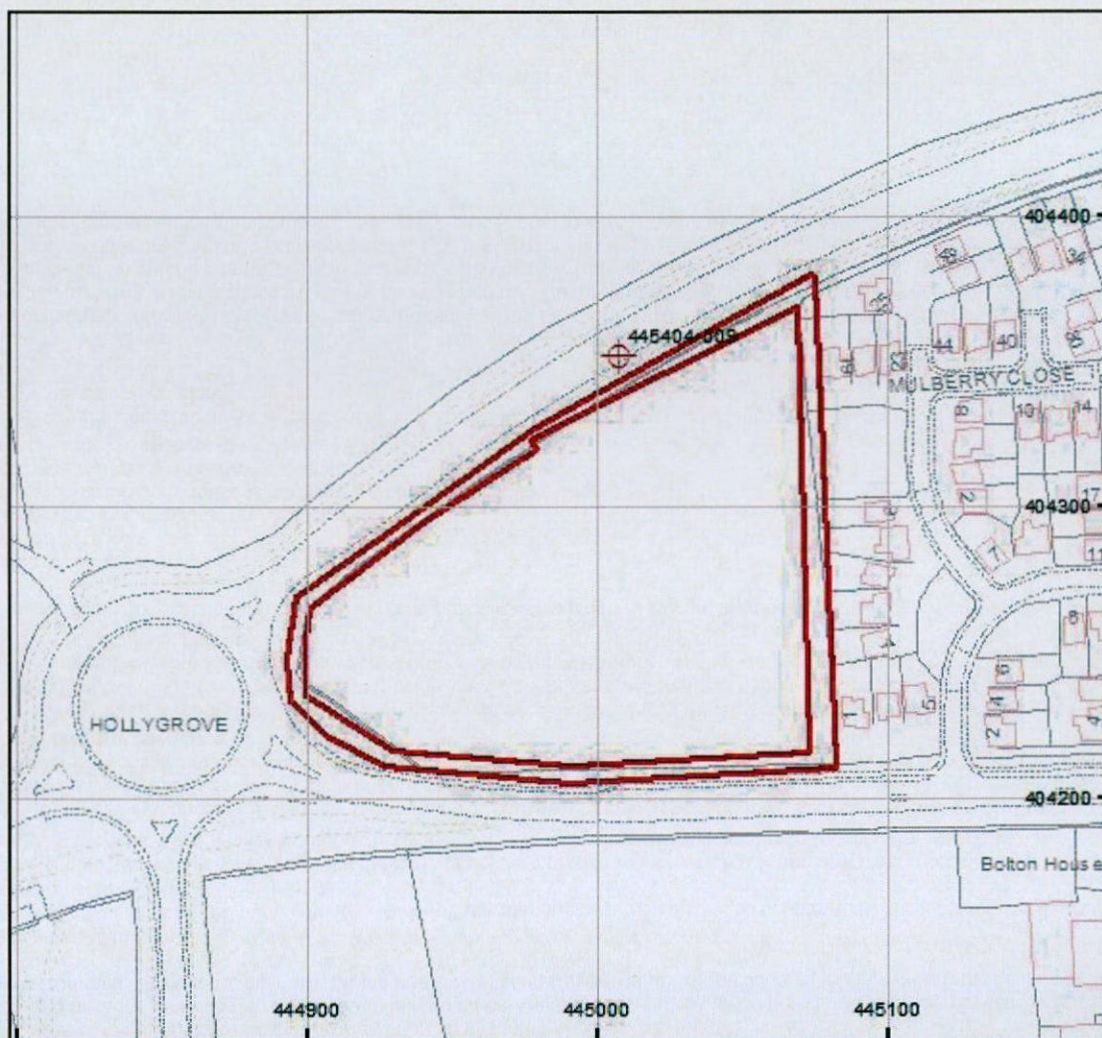
Risk of instability

If coal mining subsidence was to occur as a consequence of ground movement attributable to the subject mine entry, then taking into account the thickness of superficial deposits, the potential for any difference between the actual and plotted positions of the mine entry and its diameter/maximum width, in the Authority's opinion, the entire property (as shown on the attached plan) is outside the zone of possible ground movement.

Conclusion

In the Authority's opinion, the entire property (as shown on the attached plan) is not in the zone of possible ground movement of the subject mine entry and is not at risk of coal mining subsidence damage from its presence.

Issued by:	The Coal Authority, 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG
Tax Point Date:	03 April 2014
Issued to:	3E CONSULTING ENGINEERS UNIT 4 CALDER CLOSE DURKAR WAKEFIELD WEST YORKSHIRE WF4 3BA
Property Search for:	LAND OFF, BARNSLEY ROAD, GOLDTHORPE, BARNSLEY, SOUTH YORKSHIRE, S63 9LB
Reference Number:	51000499464001
Date of Issue:	03 April 2014
Cost:	£75.00
VAT @ 20%:	£15.00
Total Received:	£90.00
VAT Registration	598 5850 68



Not to scale.

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This is a plan of the boundaries of the property in respect of which this report has been prepared. It is the responsibility of the user to ensure that the boundaries shown correspond with those of the property.

APPROXIMATE POSITION OF PROPERTY BOUNDARY SHOWN



APPROXIMATE POSITION OF SUBJECT BUILDING SHOWN



APPROXIMATE POSITION OF DISUSED MINE SHAFTS SHOWN



This plan shows the approximate location of the disused mine entry / entries referred to in the attached mining report. For reasons of clarity, mine entry symbols may not be drawn to the same scale as the plan.

Property owners have the benefit of statutory protection (under the Coal Mining Subsidence Act 1991). This contains provision for the making good, to the reasonable satisfaction of the owner, of physical damage from disused coal mine workings including disused coal mine entries. A DTI leaflet setting out the rights and obligations of either the Coal Authority or other responsible persons under the 1991 Act can be obtained by telephoning 0845 762 6848.

If you wish to discuss the relevance of any of the information contained in the attached report you should seek the advice of a qualified mining engineer or surveyor. If you or your advisor wish to examine the source plans from which the information has been taken these are available at our Mansfield office, free of charge by prior appointment, telephone 01623 637235. Should you or your advisor wish to carry out any physical investigations that may enter, disturb or interfere with any disused mine entry the prior permission of the owner must be sought. For coal mine entries the owner will normally be the Coal Authority.

The Coal Authority, regardless of responsibility and in conjunction with other public bodies, provide an emergency call out facility in coalfield areas to assess the public safety implications of mining features (including disused mine entries).

Our emergency telephone number at all times is 01623 646333.



EXPLANATORY NOTES

1. The Authority has made assumptions about mining information and its application. Where this has happened, the assumptions are explained in these notes.

2. There can be several source documents for the same mining information and in many instances these documents are very old. As a general principle, older sources are not as accurate as more recent records. Furthermore, the different types of plans can have varying standards of accuracy.

As a consequence, the plotted positions of mine entries can be different, to varying degrees, to their actual positions on site. The assumptions made for these variances are explained in 10 below.

3. The thickness of superficial deposits has been taken from the records of the Authority and/or those of the British Geological Survey. © NERC All rights reserved.

Where the Authority has information about activities such as infill operations or excavation, which may have affected the thickness of deposits above rockhead, this will also be taken into account.

4. The Authority will only provide the depth of a mine entry where this is known.

5. Where information about the diameter of a shaft is not known, it will be assumed. The assumption will be based upon comparison with other shafts in the vicinity, the likely date it was sunk and any other relevant information, e.g. the depth of seams the shaft is thought to have accessed.

Where a shaft is not circular, the maximum diagonal dimension will be used.

6. The zone of possible ground movement of an adit will be calculated for the conjectured position of the mouth of the adit. It will not apply to the underground length of the adit. The approximate adit direction, where applicable, will be quoted in degrees from North.

7. Where treatment details are recorded, this information will be given. Where records are not available, "Unknown" will be reported.

8. The issue of ownership of mine entries is extremely complicated. Where details of the sale of a mine entry by the Coal Authority, or its predecessors in title, are known these will be provided. Where no sale details are available, in most instances, ownership will rest in the Coal Authority. Whatever the position with ownership, if coal mining subsidence damage does occur, statute provides for the "responsible person" to provide a remedy. The "responsible person" is either the Coal Authority or a licensed mining operator.

9. If the Authority holds other relevant information about the mine entry which is not referred to elsewhere, it will be provided as additional information in the report.

10. The zone of possible ground movement of a mine entry is that area of ground which might be affected by coal mining subsidence if the mine entry becomes unstable.

The calculated zone of possible ground movement is a circle whose centre point is the centre of the plotted position of the mine entry and which has a radius equivalent to the aggregate of:-

a. the radius or assumed radius of the mine entry (for non circular mine entries the maximum distance from the centre of the opening to its edge will be taken as the radius)

b. the thickness of the deposits overlying rockhead (i.e. an assumed angle of draw of 45°)

c. an assumed distance representing the potential difference between a mine entry's plotted position and its true position. This assumed distance will be between 0-10m and will depend, inter alia, on the age, scale, condition and status of the source plan from which the position of the mine entry is taken.

The above criteria will be applied also where the mine entry is an adit.

There will be some instances where the variances will be greater than the assumed distances but the Authority consider that the range applied is a reasonable and representative basis for its reports.

Where special circumstances apply in calculating the zone of possible ground movement, e.g. where the plotted position of a mine entry lies within an area where opencast mining has taken place and the mine entry no longer exists, the opinion in the Stability Report will take this into account.

11. The Authority's records demonstrate that the statistical risk of a house suffering physical damage as a consequence of coal mining subsidence from ground movement associated with a coal mine entry is very small. This includes houses which are within a zone of possible ground movement related to a mine entry. Typically only one or two houses are so affected each year, out of the tens of thousands of houses which have mine entries within 20m of their property boundaries.

On those rare occasions where physical damage to a house does occur, the Authority will attend quickly to deal with any matters of an urgent or emergency nature. Thereafter, the responsible person, usually the Coal Authority, will treat the mine entry and arrange for property repairs to be carried out. It is important that any evidence of ground movement around a mine entry or any physical damage is reported to the Coal Authority immediately it is observed. The 24 hour call out number is 01623 646333.

12. The statutory remedies for coal mining subsidence damage available to property owners are powerful. The nature of remedies provided by statute includes:-

- i) a right to have property repaired
- ii) payments in lieu of repairs
- iii) depreciation payments for residual physical damage
- iv) home loss payments where a house is purchased by the responsible person
- v) payments for inconvenience (in certain circumstances)
- vi) compensation for loss of chattels or moveable property.

Note: The statutory remedies provided by the Coal Mining Subsidence Act 1991 are not available in respect of subsidence damage caused by extraction of minerals other than coal.

General note

The Authority's opinion and advice is based upon its interpretation of the facts in its possession at the date of the report and on the Ordnance Survey's (O.S) improved data (OSPA). A site inspection has not been carried out. The report has been prepared by experienced mining surveyors with knowledge in the management and interpretation of coal mining information. Notwithstanding this, because of the nature of old mining records and the uncertainties about their preparation and accuracy, it is possible that others might apply different assumptions or interpretations to the facts. Please note that any insurance given with earlier standard mining reports does not extend to cover this Mine Entry Interpretive Report.

Appendix E

Previous Borehole Records

Deerne Valley and South Yorkshire Highway APPENDIX

Borehole No. AND LOCATION	DEPTH		SOIL DESCRIPTION	SAMPLES	
	From	To		Depth	Test and Result
Borehole 11. (Continued) SE 40SE 224	5'5"	27'0"	Occasional layers of light brown silty sandstone.	16'3"-	m 15
				16'6"	LL 55
					PL 27
				17'3"-	m 13
				18'3"	LL 61
					PL 26
					N 53
				19'6"-	m 23
				20'3"	LL 37
					PL 25
				21'0"-	m 10
				22'0"	LL 39
					PL 23
					N 48
				22'6"-	m 28
Borehole 12. 3.7.70 Filcon. SE 512049 SE 50SW 216	1'0"	3'0"	Thin laminations of dark brown mudstone and marl. End of Borehole. Dry.	23'0"	LL 45
					PL 25
				25'0"-	m 11
				26'0"	LL 46
					PL 26
					N 93
				27'6"-	m 15
				28'3"	LL 48
					PL 29
					N > 200
Borehole 13. 13.6.70 Filcon. SE 419042 SE 40SW 233	0	12'0"	Grass and topsoil. Red shale. Soft to firm dark brown and yellow clayey soil with a little red shale and ash. Firm yellow silty sandy clay with weathered sandstone gravel. Bands of sandstone and mudstone with ironstaining changing to brown shaly weathered mudstone.	2'0"-	m 11
				2'6"	LL 24
					PL 18
				2'6"-	N > 200
				3'0"	
				5'3"-	m 14
				6'3"	LL 24
					PL 19
				6'9"-	m 11
				7'9"	LL 28
					PL 20
					N 36
				7'6"-	m 10
				8'3"	LL 33
					PL 24

BOREHOLE No. AND LOCATION	DEPTH		SOIL DESCRIPTION	SAMPLES	
	From	To		Depth	Test and Result
Borehole 13. (Continued) SE 40SW 233	12'0"	14'9"	Gray brown silty mudstone with traces of ironstaining.	11'6"- 12'3"	m 10 LL 34 PL 22 N > 200
			End of Borehole. Dry.	14'3"- 14'9"	LL 35 PL 22 N > 200
Borehole 14. 10.6.70 Filcon. SE 4560.6 SE 40SE 225	0	6"	Fill.		
	6"	1'6"	Light brown clayey sand with fibrous roots.		
	1'6"	3'0"	Stiff to hard light brown and grey clayey sand with pockets of dark brown weathered gritstone.	1'3"- 2'6"	m 16 LL 24 PL 19
	3'0"	5'9"	Brown weathered mudstone with traces of light brown clayey sand.	3'6"- 4'6"	m 17 LL 10 PL 26 c U 24 q U 5 DD 113
	5'9"	14'5"	Light brown ironstained weathered mudstone.	5'3"- 6'3"	m 8.2 LL 29 PL 20 N 60
				6'6"- 7'6"	m 9.0 LL 27 PL 19
				10'3"- 11'3"	m 9.1 LL 37 PL 23 N 185
			Water added.	12'9"	m 22 LL 35 PL 24
				14'0"- 14'5"	m 7.0 LL 31 PL 22 N > 200
			End of Borehole. Dry.		
Borehole 15. 10.6.70 Filcon. SE 4720.7 SE 40SE 226	0	6"	Grass and topsoil.		
	6"	1'3"	Tarmacadam.		
	1'3"	4'0"	Coarse gravel size limestone fill and light brown silty sand.		
	4'0"	14'9"	Light brown and grey weathered mudstone. Occasional layers of fine grained sandstone. Water at 8'6".	5'0"- 6'0"	m 15 LL 30 PL 19
				6'9"- 7'9"	m 8.7 LL 33 PL 20 N 70

/Continued
-12A-