REPORT C6138 Rev 3
APRIL 2017

PRELIMINARY APPRAISAL REPORT (DESK STUDY)

of land off
CARRS LANE, CUDWORTH, BARNSLEY

prepared for
BARRATT & DAVID WILSON HOMES

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SITE:	CARRS LANE, CUDWORTH, BARNSLEY		
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NTS: Not to Scale

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EXECUTIVE SUMMARY

Introduction	Sirius Geotechnical and Environmental Ltd were commissioned by Barratt & David Wilson Homes (BDW), to undertake a preliminary appraisal report (desk study) at land off Carr Lane, Cudworth, Barnsley, South Yorkshire (the "site"). This desk study has been completed to assist with planning purposes, determine potential ground constraints and allow confirmation of a suitable scope of site investigation works. It is understood that BDW are considering developing the site for a low-rise residential end-use, comprising 263 two storey residential properties and 15 bungalows, with private gardens, areas of soft landscaping, Public Open Space (POS), areas of hardstanding, and highways. No loadings or development levels were known at the time of writing. **Sirius has previously compiled a desk study for the site in September 2014 (Report Ref: C6138). Since the issue of the report the development layout, including the south eastern and south western site boundaries, have altered slightly and subsequently the development area has reduced. This current report makes reference to the updated development layout, however the conclusions and recommendations given within are based on the original, larger development area. Therefore this desk study should be read with consideration to the revised development layout plan. In addition, the revised proposed development includes for an attenuation pond within the far southern part of the site. Geotechnical recommendations for this feature are beyond the remit of this report and it is understood that this will be undertaken by others.**
Site Details	The site forms an irregular shaped plot of land, which broadly slopes downwards from north to south east, with an elevation difference of c. 23m. Locally, within the northern part of the site, there is an approximate elevation difference of between c. 9-16m, with the downward slope recorded from the central portion of the site to the east and west. The site generally comprises a set of agricultural fields defined by a combination of semi-mature / mature trees and low-lying shrubs. A set of electricity pylons are recorded within the southern portion of the site, aligned east to west and north to south. An unknown brick structure was identified to the sites north eastern portion. A rough footpath is recorded to run through the north western portion of the site, orientated north to south. Along the sites northern and north eastern perimeters, are a number of areas of fly-tipped material including wood, soil, plastic, fabrics, glass, brick and concrete.
Site History	Review of historical Ordnance Survey maps indicates that the site was occupied by agricultural fields since at least c. 1854. A number of buildings and a pump (latterly demolished) were shown to the sites south eastern portion between c. 1854 and 1955. Significant off-site features include a former railway line, with historic associated airshaft / mine entry, gasometer and goods shed to the immediate west of the site. In addition, to the west / north west was a quarry. A reservoir was shown to the immediate north west of the site between c. 1906 and 1984, which was later infilled and is referred to as a historical landfill site.
Anticipated Ground Conditions	Topsoil, over Glass Houghton Rock (sandstone) or Pennine Middle Coal Measures strata (typically mudstone). A fault, trending south west / north east, is conjectured to outcrop within the north western part of the site, downthrowing strata to the north west.

	The Sharlston Low and Top Coal Seams are both recorded to outcrop on and in close proximity to the site. No made ground is shown to underlie the site, although it may be locally identified within the south eastern portion of the site, in the area of the former buildings and pump. Whilst superficial deposits have not been recorded on site, Alluvial Soils are present in the vicinity of Small Bridge Dike to the west.
Mining & Quarrying	Based on published geological mapping and information contained within a Coal Authority mining report, a potential risk to surface stability is considered to exist at the site from possible shallow unrecorded coal workings. If mine workings are proven within influencing distance of the surface, they will require to be consolidated through rotary drilling and pressure grouting. The Coal Authority mining report indicates no mine entries on site. However, from review of historical OS plans and the Coal Authority mining report, there is a former mine entry / airshaft located c. 20m to the south west of the site. It is unknown if any measures have been taken to treat the mine entry / adit / airshaft. Inspection of historical OS plans has identified the presence of a quarry / quarry high wall to the north western / western perimeter of the site. In addition several former quarries (latterly infilled) have been identified within the vicinity of the site. The possibility of encountering unrecorded mine entries / quarrying / pitting within the site cannot be discounted. It is therefore recommended that a topsoil strip be undertaken prior to development to inspect for any such features and that all excavations are examined. If such features are encountered, works should cease and the advice of a suitably qualified consultant be sought. With regards to the former quarry high wall located to the sites north western boundary, it would be prudent to undertake a visual assessment of the rock face in order to ascertain the stability of the feature and any potential risks on the development site.
Foundations	Foundation solutions are dependent on the presence / absence of mined coal within influencing distance of the surface. Assuming that mine workings do not affect surface stability, reinforced spread foundations (ie. strip/trench fill) should be viable across the majority of the site. However, if shallow mineworkings are present within influencing distance of the surface, ground stabilisation will be required (or coal removal) and alternative foundation solutions maybe required. A site investigation is required to confirm ground conditions and foundation requirements.
Contamination	The preliminary conceptual site model indicates that pollutant linkages are possible to a variety of receptors. Potential heavy metals, pesticides, asbestos, organic and inorganic contaminants, in topsoil and locally in the made ground may pose a potential risk to construction workers, site end-users and controlled waters. Risks related to these potential linkages are currently given a qualitative assessment of “low through to moderate”. The precise nature of the risks should be investigated further through site investigation.
Gas Risk	A risk from hazardous gas sources, located both on and off site, exists. To confirm the situation regarding hazardous gases on site a gas investigation would be required to determine the need or otherwise for gas protection measures in future buildings. According to the BGS, radon protective measures are <u>not</u> required for the site.

Further Works	The following ground investigation works are recommended to allow foundation design and determination of any potential contamination constraints, and abnormal costs, in relation to the proposed development: • Trial pitting to investigate shallow soil and groundwater conditions beneath the site and to allow recovery of soil samples for testing. • Trial trenching in order to try to determine the location of the reported fault and Sharlston Low and Top Coal Seams which outcrop on site. • Insitu infiltration tests. • Window samples boreholes to allow confirmation of geotechnical parameters of the shallow soils, and allow the installation of gas/groundwater monitoring wells in selected boreholes. Standard Penetration Tests (SPTs) to be undertaken within selected boreholes. • Rotary probing to investigate for the presence / absence of workable coal within influencing distance of the surface. • Chemical and geotechnical laboratory testing to adequately categorise the shallow soils. • Gas monitoring (6 visits over 3 months). • Reporting. Intrusive ground investigation works should be carried out by a suitably qualified geoenvironmental consultant. An ecological survey should be carried out to confirm if any invasive plant species are present on site. Advice should also be sought from an appropriately qualified highway and drainage engineers to assess the impact of the site gradient on development aspirations. Owing to the presence of a quarry high wall and retaining wall feature to the sites western / north western boundary it is recommended that visual assessment by suitable qualified consultant is undertaken to ascertain the condition and stability of these features and their potential risks on the proposed development.

The executive summary given above is an overview of the key findings and conclusions of the report. There may be other information contained within the body of the report which puts into context the findings of the executive summary. No reliance should be placed on the executive summary in isolation.

1. INTRODUCTION

Sirius Geotechnical and Environmental Ltd (Sirius) were commissioned by Barratt & David Wilson Homes (BDW), to undertake a preliminary appraisal report (desk study) at land off Carrs Lane, Cudworth, Barnsley, South Yorkshire (the "site").

The desk study has been completed to assist with planning purposes, determine potential ground constraints and allow confirmation of a suitable scope of site investigation works.

It is understood that BDW are considering developing the site for a low-rise residential end-use, comprising 263 two storey residential properties and 15 bungalows, with private gardens, areas of soft landscaping, Public Open Space (POS), areas of hardstanding, and highways. A proposed development layout plan (as reproduced from Urban Design's Proposed Site Layout, Ref. YW-04-03, Revision AA, dated 25th April 2017) is included in Appendix A, as Drawing No. C6138/02. No loadings or development levels were known at the time of writing.

Sirius has previously compiled a desk study for the site in September 2014 (Report Ref: C6138). Since the issue of the report the development layout, including the south eastern and south western site boundaries, have altered slightly and subsequently the development area has reduced. This current report makes reference to the updated development layout, however the conclusions and recommendations given within are based on the original, larger development area. Therefore this desk study should be read with consideration to the revised development layout plan. In addition, the revised proposed development includes for an attenuation pond within the far southern part of the site. Geotechnical recommendations for this feature are beyond the remit of this report and it is understood that this will be undertaken by others.

The objectives of this appraisal were to:

- Establish the historical development of the site and surrounding area from a review of available historical Ordnance Survey (OS) maps;
- Establish the environmental setting of the site;
- Determine whether historical activities could give rise to significant ground contamination;
- Evaluate whether past mining or other extractive industries could have an influence on the site;

- Determine the potential risk to the development from hazardous ground gas sources, including radon;
- Provide, where possible, provisional recommendations for foundations, and measures to deal with potential contamination; and,
- Provide recommendations for intrusive works required to confirm the ground conditions below the site and the contamination status of the shallow soils, and, from this, foundation solutions and measures to deal with any contamination.

This investigation includes an assessment of information provided by Landmark Information Group (LIG), the British Geological Survey (BGS) and the Coal Authority (CA).

A site inspection (walk over survey) was undertaken by a Sirius geoenvironmental engineer on 29th August 2014.

This report presents and interprets the factual information reviewed during this investigation and presents a Preliminary Conceptual Site Model (PCSM) from which ground-related hazards and risks have been assessed.

It has been assumed in the production of this report that the site is to be developed for a low-rise (two storey) residential with gardens end-use. In addition, it is assumed that ground levels will not change significantly from those existing at the time of writing. If this is not the case, then amendments to the recommendations made in this report may be required.

Where the report refers to the potential presence of invasive plants (such as Japanese Knotweed) or asbestos-containing materials (ACMs), such observations are for information only and should be verified by a suitably qualified expert.

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2. SITE DETAILS AND DESCRIPTION

Table 2.1 Current Site Overview

Location	The site is located off Carrs Lane, Cudworth, approximately 4km north east of Barnsley town centre. A site location plan is included as Drawing No. C6138/01 within Appendix A.
National Grid Reference	438650mE, 408150mN.
Topography and Features	The site forms an irregular shape, with its long axis running north to south. The site broadly slopes downwards from north to south east, with an approximate elevation difference of up to c. 23m. Locally, within the northern part of the site, there is an approximate elevation difference of between c. 9-16m, with the downward slope recorded from the central portion of the site to the east and west. The north western perimeter of the site forms part of a presumed historical quarry high wall; vertical remnants of the quarry high wall are visible. The quarry high wall has an elevation difference of between c. 1.50m and 20m between the site and the base of the quarry / former dismantled railway line to the west (see sections 3.1 and 3.2 for further details). In addition, along part of the sites western / north western boundary is a c. 0.50m to c. 1.50m high brick retaining wall. The retaining wall was noted to be in relatively 'good' condition, apart from some minor evidence of cracking. Access to the site is via Carrs Lane, to the south east and Newlands Avenue to the north west, both by vehicular traffic. A rough footpath is recorded off Newland Avenue, aligned north to south, from the residential estate to the former dismantled railway line. The site generally comprises a set of agricultural fields, defined by a combination of semi-mature / mature trees and low-lying shrubs. The field to the south eastern portion of the site is generally covered in grass, whilst the field to the western and central portions are covered in old crops

	(harvested). The field along the northern portion of the site has recently been ploughed / cultivated. A set of electricity pylons are recorded within the southern portion of the site, aligned east to west and north to south. A Yorkshire Water manhole cover was identified within the north western portion of the site. An unknown brick structure was identified to the sites north eastern portion, within an area of dense vegetation. Along the northern and north eastern perimeters of the site, in close proximity to the off-site residential properties, are a number of areas of fly-tipped materials including wood, soil, plastic, fabrics, glass, brick, concrete etc. In addition, to the south eastern perimeter were a number of discarded telegraph poles. Evidence of a small bonfire was noted to the sites northern perimeter.
Approximate Site Area	12.4 hectares.
Site Boundaries	The site boundaries are generally delineated by a combination of wooden panelled and metal palisade fencing, brick, stone and concrete walls, and semi-mature and mature trees, hedges and shrubs. The site is predominantly surrounded by residential dwellings to the north, and east. To the sites southern boundary is a large grassed field, beyond which is Small Bridge Dike, aligned north west to south east. Ring Farm, a stable's is recorded to the south east. To the west of the site is a dismantled railway line, which is currently utilised as a public footpath. This feature is in a cutting to the north and an embankment to the south of the site.
Current Land Use	Agricultural fields.
Invasive Plant Species	None noted. An ecological survey should be carried out to confirm if any invasive plant species are present, most specifically around the perimeter of the site and where the fields are delineated by dense vegetation.

The main site features are shown on Drawing No. C6138/03, within Appendix A.

3. ENVIRONMENTAL SETTING

3.1. Introduction

Published environmental, geological and historical data relating to the site has been reviewed. A summary of relevant information is provided below and a copy of the LIG Envirocheck report is included in Appendix B. A copy of the CA mining report is included in Appendix C.

3.2. Historical Development

Table 3.1 presents a summary of the site history from 1854 to 2014 as illustrated on historic OS maps. Only information pertinent to the proposed development is described.

Table 3.1 Historical Development

Map Dates	On-Site Features	Off-Site Features (only features within 500m that may affect the site are listed)
1854 - 1894	The site appears to comprise a number of agricultural fields. Several buildings are recorded within the south eastern portion of the site. Within the 1894 OS map, a pump is shown in proximity to one of the buildings. Two small areas of woodland / orchard are shown to the south eastern and eastern portions of the site.	The site is shown to be located within a predominantly rural area, on the western edge of the village of Cudworth. Residential properties associated with the village of Cudworth are shown to the east and north east of the site. Carrs Lane is shown to the immediate east of the site, aligned north / south. A railway line, referred to as Midland Railway, is shown to the immediate west of the site, aligned north west / south east. Cudworth Station, and a number of associated buildings, including a goods shed, water columns, pump, crane and a gasometer are shown within c. 10-200m to the west / north west of the site. The railway line appears to be a cutting to the north and an embankment to the south of the site. Along the north western boundary, associated with the railway, is a quarry. Ring Farm is shown c. 80m to the south east of the site. A footpath is shown c. 100m to the north, aligned east / west. Small Bridge Dike is shown (at its closet point) c. 20m to the south west of the site, aligned north west / south east (within later maps this is confirmed as the flow direction). A number of wells and pumps are shown between c. 10-300m from the site. Two old quarries are shown between c. 120m and c.

Map Dates	On-Site Features	Off-Site Features (only features within 500m that may affect the site are listed)
		200m to the north east of the site. Further quarries (sandstone) are shown between c. 250m and c. 500m to the north east and north west of the site. Lund Wood is shown c. 70m to the south west and Birk Ing Wood is shown c. 190m to the south east of the site.
1906	A small building is shown to the sites eastern perimeter, associated with one of the nearby residential properties.	An airshaft is shown c. 20m to the south western boundary of the site. A reservoir is shown adjacent to the north western perimeter of the site. The gasometer is no longer shown to the west of the property. The railway line to the immediate west has further expanded, with the construction of a footbridge. An area of marshland is shown c. 100m to the south of the site.
1931 - 1948	No significant changes to the site.	A number of residential properties are shown to the immediate north and north east and c. 280 to the south east of the site. The airshaft to the south west of the site is no longer present and has presumably been infilled. Birch Ing Wood no longer recorded.
1955 - 1996	The buildings to the south eastern portion of the site are no longer shown.	Further residential properties and associated garages have been constructed to the immediate north / north west of the property. The 1961 – 1977 OS maps show Cudworth Station as disused. The reservoir to the north west is no longer recorded after 1984. A pond is shown c. 100m to the east of the site. By the 1976-1977 OS maps the pond has been infilled. The 1970 – 1984 OS map shows the former quarry to the north east of the site, has been presumably infilled. The 1993 OS map indicates that the railway line has been partly dismantled to the west of the site. Further residential development shown within 1993 OS mapping to the east of the site.
2006 - present	The site generally forms a similar layout as presently exists.	The railway line has been fully dismantled to the west of the site. The reservoir and presumed garages to the north west of the site have been developed upon, with a number of residential dwellings.

3.3. **Published Geological Information**

A summary of available published geological information is provided in Table 3.2.

Table 3.2 Geological Summary

Sources of Information	BGS 1:10,000 scale Sheet SE 30 NE. LIG (Envirocheck) report. CA mining report ref. 51000608546001, dated 15th August 2014. BGS lexicon of named rock units. BGS on-line borehole records.
Made Ground / Worked Ground	Although no made ground is indicated on the geological plans, made ground deposits are likely to be locally encountered within the south eastern portion of the site, owing to the presence of a number of former buildings. A number of areas of worked and made ground are recorded within 500m of the site. Made Ground forming part of the dismantled railway line is shown along the western boundary of the site. Further areas of made / worked ground are identified along the former railway line, between c. 350m and 450m. Worked ground comprising "mainly railway and road cuttings, quarries and brick pits" is shown c. 200m to the north east of the site, which may be associated with a number of former quarries. A further area of worked / made / infilled ground comprising "backfilled opencast coal sites and quarries" is shown c. 400m to the north east of the site.
Superficial Geology	No superficial deposits are shown to underlie the site; however the BGS map sheet does indicate the presence of Alluvial Deposits in the vicinity of the Small Bridge Dike c. 20m, to the west (at its nearest point) to the site. Alluvial soils typically comprise "soft to firm unconsolidated, compressible silty clay, but can contain layers of silt, sand, peat and basal gravel".
Solid Geology	The solid geology comprises a combination of sandstone (Glass Houghton Rock) and undifferentiated strata (Pennine Middle Coal Measures). The Glass Houghton Rock is recorded across the majority of the site, with the Pennine Middle Coal Measures shown within the western portion of the site. Glass Houghton Rock comprises *'brown and grey micaceous sandstone'*.

	Pennine Middle Coal Measures comprise *'interbedded grey mudstone, pale grey sandstone and commonly coal seams, with a bed of mudstone containing marine fossils at the base'*. The BGS plans record the strata within the general surrounding area to dip at between 3° and 4° towards the east.	
Faults	A south west to north east orientated fault is conjectured within the north western portion of the site, downthrowing strata to the north west.	
BGS Borehole Records	A number of BGS rotary borehole records are recorded within 250m of the site. Four borehole records (SE30NE10-11, 29 and 92) are recorded between c. 90m and c. 175m to the west and south of the site. The closest record SE30NE10 indicates made ground to c. 1.20m below ground level (bgl), which is in-turn underlain by yellow mottled clay to c. 3.60m bgl,. The made ground and cohesive deposits are underlain by "shale, grit and rock" to c. 88.0m bgl, below which is a 0.30m thick band of coal, which is in-turn underlain by further rock, grit and shale. A second record within similar proximity (SE30NE11) indicates drift deposits to c. 3.56m bgl, which are in-turn underlain by the Woolley Edge Rock to c. 35.30m bgl, variable coal seams are recorded to c. 196.39m bgl. The coal seams are underlain by rock and further coal seams to c. 265.60m bgl. A further two records shown c. 170m to the west and c. 175m to the south of the site indicate mudstone with variable bands of coal, c. 0.02m to 0.72m thick.	
Mining and Quarrying	**Coal Seams:**	The Sharlston Low Coal Seam (reported to be 0.30m to 0.48m thick on the vertical section provided within the 1:10,000 scale map) is conjectured to outcrop in a north / south direction within the western portion of the site dipping to the east (below the site). The Sharlston Top Coal Seam (reported to be 0.69m to 1.07m thick on the vertical section of the 1:10,000 scale map) is shown to outcrop on and / or around the eastern boundary of the site again dipping to the east (away from the site). No workable coal seams are recorded at shallow depths below the Sharlston Low Coal.

	Coal Mining:	*According to the Coal Authority (CA); the site is within the likely zone of influence from workings in seven seams of coal at 250m to 660m depth, and last worked in 1991. Any ground movement from these workings should have stopped by now.* • *In addition, the property is in an area where the CA believes there is coal at or close to the surface. This may have been worked at some time in the past.* • *The property is not in the likely zone of influence of any present underground coal workings.*
	Mine Entries:	The CA report states that '*there is one known coal mine entry within, or within 20 metres of, the boundary of the property*'. This feature is recorded c. 20m to the south west of the site. *There is no record of what steps, if any, have been taken to treat the mine entry. Records may therefore be incomplete. Consequently, there may exist in the local area mine entries of which the CA has no knowledge.* Review of the historical OS maps indicates a former airshaft located c. 20m to the south west of the site. This coincides with the presence of the mine entry.
	Opencast Coal Mining:	The CA report states that '*the property does not lie within 200 metres of the boundary of an opencast site from which coal has been removed by opencast methods*'.
	Coal Mining Subsidence:	There has been one damage notice or claim for alleged subsidence damage to the property to the immediate east of the site (40 Carrs Lane, Cudworth) in September 1995. However, the claim was rejected. A further two claims are recorded within c. 50m to the east of the site boundary
	Quarries:	From historical OS maps several presumed sandstone

		quarries have been noted within c. 100m and 1km of the site. In addition, to the immediate north west / west of the site, in proximity to the former Cudworth railway station is a former quarry. The LIG Envirocheck report confirms the presence of a number of ceased sandstone quarries; the nearest is located 195m to the north east (opencast).
	Non-Coal Mining:	The LIG Envirocheck report states that a "highly unlikely" risk exists associated with non-coal mining.

A coal mining risk assessment has been completed for the site and copy of this report is contained within Appendix D.

3.4. Hydrology and Hydrogeology

A summary of available information pertaining to hydrology and hydrogeology is presented in Tables 3.3 to 3.5.

Table 3.3 Surface Water Features

	Presence/location	**Comments**
Environment Agency (EA) GQA Classified Watercourses	The closest watercourse to the site, classified under the EA GQA scheme, is Small Bridge Dike ('Primary River') located 41m to the south west.	Review of the EA website indicates that the current ecological data of the watercourse is classified as 'bad'. The ecological quality is predicted in 2015 to improve to 'moderate'.

	Presence/location	Comments
Unclassified Watercourses	There are four unclassified surface watercourses recorded within 500m of the site.	These features relate to a number of tributaries and drainage channels associated with Small Bridge Dike. The closest feature is recorded 181m to the west, and relates to a 'Tertiary River'. The other features are shown between 300m and 500m to the south east and north west of the site, these are classified as, 'Primary Rivers', 'Secondary Rivers', 'Tertiary Rivers' and an 'Extended Culvert'.
Licensed Surface Water Abstractions	There are two surface water abstraction licenses within 1km.	The licenses are recorded 739m and 743m to the north west, for general industrial use. Both licenses are referred to as 'lapsed / revoked'.
Flood Risk Status	The site does not lie within an indicative flood plain at risk of flooding from rivers and sea (Zones 2 and 3). However, the site is located c. 29m to the north east of an indicative floodplain at risk of flooding from rivers and sea (Zones 2 and 3). This is associated with Small Bridge Dike.	

Table 3.4 Groundwater Occurrence and Abstraction

	Presence/location	**Comments**
Licensed Groundwater Abstractions	There are no licenses recorded within 1km of the site.	The closest license is located 1199m to the west of the site, for cooling purposes, taken from a borehole. The license is referred to as 'revoked'.
Source Protection Zones (within 500m)	The site is not located within 500m of a source protection zone.	

Table 3.5 Groundwater Vulnerability Status

	Environment Agency Classification
Soil Classification	Under the aquifer classification system developed by the EA the solid geology is classified as a Secondary A Aquifer. The Alluvial Deposits recorded in proximity to Small Bridge Dike are also referred to as a Secondary A Aquifer. Secondary A Aquifers are defined as '*permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers*'. These are generally aquifers formerly classified as minor aquifers.

3.5. Landfilling and Waste Management

Table 3.6 Waste Management Activities

	Presence / Location / Comments
Historic Landfills (within 500m)	According to information provided within the LIG Envirocheck report, there are three historical landfill sites within 1km of the property. The closest record is shown 1m to the west of the property and is referred to as 'Newlands Avenue', in the location of the former reservoir. The waste materials deposited are not known. This area has now been developed with housing.

	Presence / Location / Comments
	There is one landfill site recorded 29m to the south west of the property and is referred to as 'former Cudworth railway station', which deposited inert material. A further record is shown 285m to the south east of the property, which deposited wastes including inert, commercial/industrial and household materials.
Local Authority/BGS/EA Recorded Landfills	There are 10 Local Authority Landfill Sites within 1km of the property. The closest is recorded on the site boundary, to the immediate west, presumably associated with the former reservoir.
Registered Landfill Sites	There are six registered landfill sites within 1km of the property; the closest facility is located 103m to the west, referred to as 'former Cudworth railway station', which accepted wastes including inert non-combustible construction / demolition wastes.
Other Licensed Waste Management Facilities (within 500m)	There is one inactive Licensed Waste Management Facility recorded within 500m of the property, this is associated with the 'former Cudworth railway station'. There are no Registered Waste Treatment or Disposal Site within 500m of the property; the closest facility is located 528m to the north west for the disposal of building and demolition wastes and excavation materials.
Walkover Evidence of Fly-Tipping on Site?	Yes. Evidence of some fly-tipping was recorded to the site's northern and north eastern boundaries, comprising soil, glass, wood, plastic, fabric, brick, concrete etc.
Ground Gas Risk Assessment Required?	Yes. Hazardous ground gas associated with: • Local, areas of deep made ground? • Mine gases associated the presence of shallow coal seams on site. • Off-site sources, including deep made ground associated with the infilled railway cutting, infilled reservoir, infilled waste quarries and

	Presence / Location / Comments
	infilled ponds (some of which are licensed landfills). • Marsh gases associated with the alluvial/organic soils recorded to the west of the site.

3.6. **Radon Risk**

To determine whether the site is at risk from radon gas, the BRE Document "BRE 211 - Radon: Guidance on the protective measures for new dwellings" together with the National Radiological Protection Board (NRPB) "Radon Atlas of England and Wales" have been referenced.

These documents, together with a geological assessment contained within the LIG report, which includes information obtained from the Health Protection Agency and British Geological Survey, state that the site lies within an area in which **no radon protective measures are necessary** for the construction of new dwellings or extensions.

3.7. **Other**

Other potentially contaminative activities or environmental constraints are listed below. The entries relate to activities within approximately 250m of the site, with the exception of Control of Major Accident Hazard (COMAH) and Notification of Installations Handling Hazardous Substances (NIHHS) facilities, where the assessment is extended to a distance of approximately 1km.

- There are three discharge consents within 250m of the site; the closest is located 64m to the south east of the property and relates to sewage discharge – storm water overflow / storm tank (water company) to a freshwater stream / river, namely Small Bridge Dike. The license is referred to as 'revoked'. A further two consents both located 149m to the south east of the property relate to sewage discharges – pumping station (water company) to a freshwater stream / river, namely Small Bridge Dike, the licenses are referred to as 'modified' and transferred', respectively.

- There is one local authority pollution prevention and control within 250m of the site. The entry is recorded to the immediate west of the site, for a mobile screening and crushing processes. The license is referred to as 'permitted'.

- There are 16 pollution incidents to controlled waters within 250m of the property. The closest, which involved mud / clay / soil, occurred at a location 90m south east of the site in 1993 and was described as “Category 3 - Minor Incident”.

- There are no active trades within 250m of the site. There are, however, three inactive trades within 250m of the property, these include a printers, automation systems and equipment and electrical engineers.

- The south western portion of the site is located within an area of adopted green belt.

4. PREVIOUS INVESTIGATIONS

No previous reports relating to this site have been made available.

5. PRELIMINARY CONCEPTUAL SITE MODEL

Based on the desk study, a combined preliminary conceptual site model and conceptual exposure model (PCSM) has been developed for the proposed future land use. This summarises the understanding of surface and sub-surface features, the potential contaminant sources, transport pathways and receptors in order to assess potential pollutant linkages.

A qualitative risk assessment has also been made of the likelihood of any complete pollutant linkage and its potential significance. The preliminary conceptual site model is presented in schematic form as Drawing No. C6138/04, in Appendix A.

In summary, the preliminary CSM has identified the following potential pollutant linkages which could result in an unacceptable risk to the proposed end-use:

- Ingestion, inhalation of dust and dermal contact with potential heavy metals, asbestos fibres, hydrocarbons (including Polycyclic Aromatic Hydrocarbons – PAH / Total Petroleum Hydrocarbons - TPH) and pesticides in topsoil and locally made ground posing a **low to moderate** risk to site end users, adjacent site users and construction workers.

- Possible leachable (and mobile) heavy metals and organic contaminants in topsoil and locally made ground posing a **low** risk to controlled waters (underlying Secondary A Aquifer and Small Bridge Dike).

- Risk from hazardous ground gas sources including mine gases and marsh gases, located both on and off-site, posing a **moderate** risk to site end-users and construction workers.

6. CONCLUSIONS AND RECOMMENDATIONS

6.1. General

This preliminary appraisal has been performed at land off Carrs Lane, Cudworth, Barnsley, South Yorkshire.

It is understood that BDW are considering developing the site for a low-rise residential end-use, comprising 263 two storey residential properties and 15 bungalows, with private gardens, areas of soft landscaping, Public Open Space (POS), areas of hardstanding, and highways. No loadings or development levels were known at the time of writing.

This report has been compiled to assist with planning purposes for the proposed residential end-use, assuming development levels will remain broadly as existed at the time of the preliminary investigation.

Advice should be sought from appropriately qualified highway and drainage engineers to assess the impact of the site gradient on development aspirations.

6.2. Flood Risk

According to the LIG Envirocheck report and the EA website, the site does not lie within an area at risk from flooding from rivers and sea (Zones 2 or 3).

6.3. Geotechnical

Mining and Quarrying

On the basis of information provided by the CA and inspection of available geological plans, the possibility of shallow unrecorded coal workings affecting surface stability cannot be discounted.

The presence/absence of shallow mine workings needs to be confirmed through rotary probing, to allow determination of any ground consolidation requirements (i.e. drilling and pressure grouting) and foundation solutions.

The CA mining report indicates that no mine entries are recorded to exist within the site. However, the CA mining report and from review of historical OS plans has highlighted the presence of a former mine entry / adit / airshaft located c. 20m to the south west of the site. It is unknown if any steps have been taken to treat the mine entry / adit / airshaft. It is recommended that a soil strip (if considered viable based on the proven thickness of topsoil / made ground present) be undertaken

in the vicinity of the former mine entry / adit / airshaft, along the south western site boundary, as part of the enabling works in order to confirm its absence within the development area.

The possibility of encountering unrecorded mine entries (including bell pits) within the site cannot be discounted, it is therefore recommended that a topsoil strip be undertaken prior to development to inspect for any such features. Additionally all excavations should be examined for evidence of mine entries / bell pits. If a mine entry is suspected works should cease and the advice sought of a suitably qualified consultant.

Inspection of historical OS plans has revealed evidence of a former quarry / quarry high wall to the sites north western / western perimeter, in addition to a number of former sandstone quarries within the vicinity of the site. As such the possibility of encountering unrecorded quarries / opencast workings / pits on site cannot be wholly discounted. It is recommended that all excavations be examined for evidence of such features. If evidence of an infilled quarry / pit / opencast workings is suspected works should cease and the advice sought of a suitably qualified consultant.

With regards to the former quarry high wall located to the sites north western boundary it would be prudent to undertake a visual assessment of the rock face by a suitably qualified Engineer in order to ascertain the stability of the feature and the potential risk of impacting the development site, particularly if residential properties are proposed in its proximity.

Foundations

Published geological information indicates that the majority of the site is underlain by the Glass Houghton Rock - Sandstone unit, with the Pennine Middle Coal Measures (PMCM) shown within the western portion of the site. The Sharlston Low and Sharlston Top Coal Seams are recorded to outcrop on or around the western and eastern portion of the site, respectively.

An unnamed fault, aligned approximately north east / south west, is conjectured to cross the western part of the site, with the downthrow to the north west.

No made ground is shown to underlie the site on published maps, however made ground may be locally identified within the south eastern portion of the site, owing to the presence of former buildings.

No superficial deposits are recorded to underlie the site; however Alluvial Soils are shown on published maps in close proximity (c. 20m) to the west of the site, associated with the presence of Small Bridge Dike.

Foundation solutions are very much dependant on the presence / absence of mined coal within influencing distance of the surface. Assuming that mine workings do not affect surface stability, spread foundations (strip/trench fill) should be viable for lightly loaded structures across much of the site, founded into either the Glass Houghton Rock (sandstone) or the PMCM strata of suitable bearing capacity. However, if mine workings within influencing distance of the surface are identified, ground stabilisation will be required (or coal removal) and alternative foundation solutions may be required.

Alternative foundation solutions may also be required if deep made ground, or loose / soft natural soils i.e. Alluvial Soils are encountered on site.

Overall the nature and depth of foundations will be dependent on loadings, development levels and the detailed site geology, including:

- Location and thickness of made ground or reworked soils.
- Presence/absence of workable coal within influencing distance of the surface.
- Location and extent of any relict foundations and other buried structures.
- Bearing capacity of the natural strata.
- Groundwater levels.
- Proximity to trees where potentially shrinkable soils are present.

A ground investigation is required to confirm ground conditions and foundation requirements.

If mine entries and / or shallow mine workings are proven within influencing distance of the surface, these will need to be treated (see above); additionally foundations may need to be designed to accommodate risk posed by residual movement. Foundation design will depend upon the depth to treated workings.

Reinforcement of foundations which are constructed over the fault (if encountered) may be required.

Other Considerations

Assessment of the suitability / stability of the retaining structure to the sites north western / western perimeter (if to be maintained and incorporated into the proposed development) within context of the proposed development levels is recommended.

Similarly, should earthworks (comprising cut and fill operations) be undertaken at the site, consideration will have to be given to the potential risk of undermining existing neighbouring buildings, adjacent highways and existing slopes.

6.4. Contamination

Risk Evaluation for the Proposed Land Use (Residential with gardens)

The preliminary conceptual site model indicates that pollutant linkages are possible to a variety of receptors. Potential heavy metals, petroleum hydrocarbons, asbestos fibres and pesticides may pose potential risks to human health (construction workers and site end-users) and controlled waters (Secondary A Aquifer / Small Bridge Dike). Risks related to these potential linkages are currently given qualitative assessments of **low through to moderate.** The precise nature of the risks should be investigated further through site investigation.

A Phase II (intrusive) geoenvironmental / contamination investigation should be undertaken to confirm the presence or otherwise of contaminants sources and quantify the risks to identified receptors.

6.5. Hazardous Ground Gases

A risk from hazardous gas sources, including mine gas, landfill gas and marsh gas, located both on and off-site, exists. To confirm the situation regarding hazardous gases on site, from potential on and off-site sources, a hazardous gas investigation would be required to determine the need or otherwise for gas protection measures in future buildings.

According to the BRE, radon protective measures are **not** required for the site.

6.6. Invasive Plants

Invasive plant species were not observed during the site walkover; although parts of the site / field perimeter were overgrown limiting access and we are not ecological specialists. For this reason it

is recommended that a specialist be commissioned to confirm the presence/absence of invasive plants, and any implications on development.

6.7. Services

Given the potential for coal at or close to the ground surface at the site, calorific values may be elevated within shallow soils, and as such appropriate protection of services with the potential to generate heat may be necessary. This should be investigated further through site investigation.

6.8. Soakaways

Based on the anticipated ground conditions, i.e. sandstone and mudstone, the use of soakaway drainage may potentially be viable. Site specific ground conditions should be investigated further through site investigation.

Should ground conditions be considered potentially viable for soakaway drainage, insitu infiltration tests could be completed in order to derive infiltration rates and aid drainage design.

Owing to the sites sensitivity i.e. underlain by a Secondary A Aquifer, it is recommended that the Local Authority and EA be consulted with respect to any proposed soakaway drainage for the site should soakaways be considered viable.

7. FURTHER INVESTIGATION

The following ground investigation works are recommended to allow foundation design and determination of any potential contamination constraints, and, abnormal costs, in relation to the proposed development:

- Window sample boreholes to investigate near surface soil and groundwater conditions and to allow recovery of soil samples for testing. Standard Penetration Tests (SPTs) to be undertaken within selected boreholes in order to provide geotechnical data for the underlying soils.
- Trial pitting / trial trenching to investigate shallow soil and groundwater conditions beneath the site and to allow recovery of soil samples for testing. Selected trial pit locations will incorporate trial trenching in order to attempt to determine the location of the conjectured fault and coal outcrops.
- Insitu infiltration tests.
- Rotary probing to investigate for the presence / absence of workable coal within influencing distance of the surface (and its thickness / collapse status).
- Chemical and geotechnical laboratory testing to adequately categorise the shallow soils/groundwater.
- Installation of gas / groundwater monitoring wells in selected window sample boreholes, specifically targeted along the site boundaries proximate to off-site landfill sites, and also to monitor mine gas and marsh across the site.
- Gas monitoring - 6 No. monitoring rounds over a 3 month period.
- Reporting.

Intrusive ground investigation works should be carried out by a suitably qualified geoenvironmental consultant.

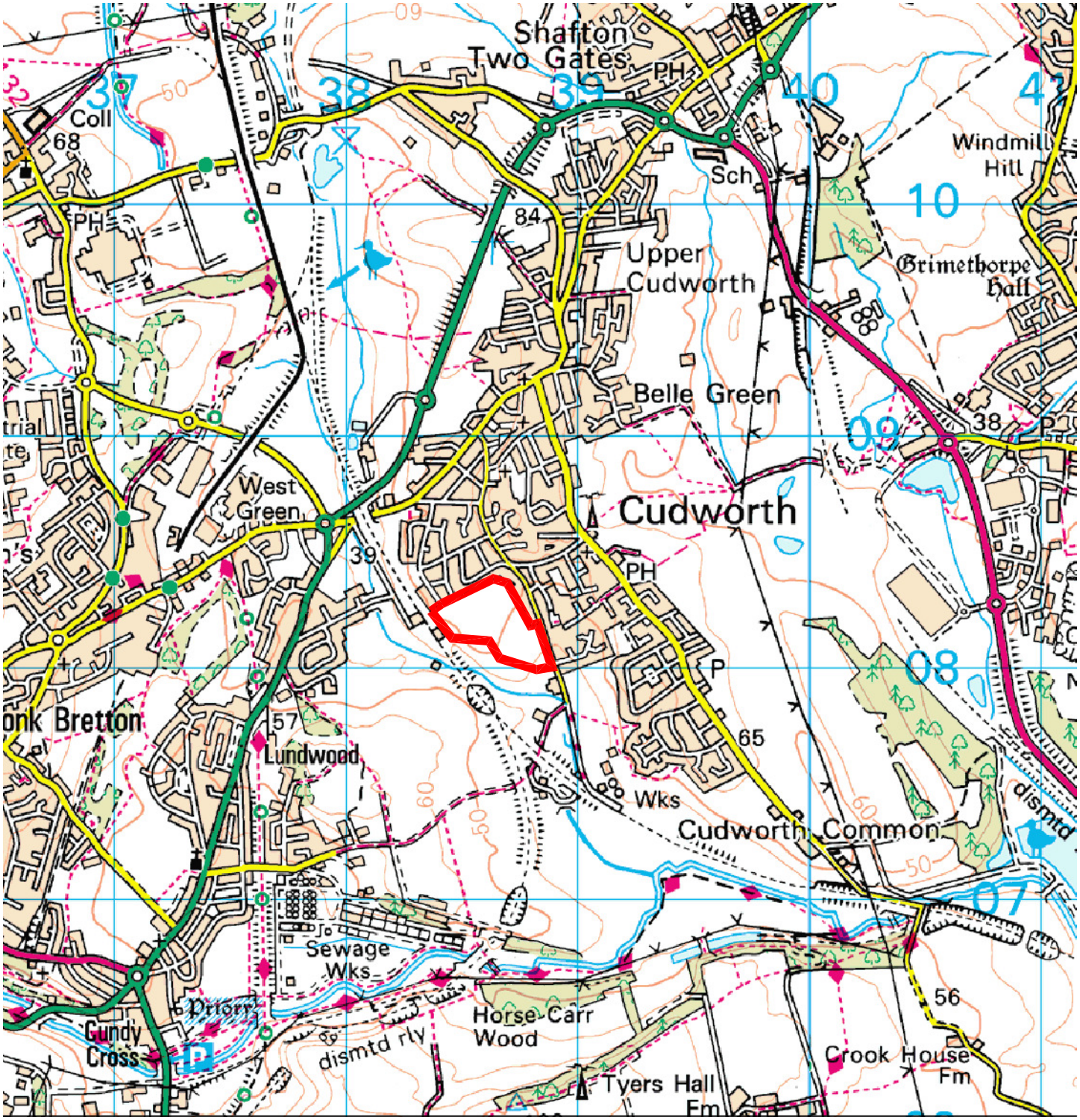
An ecological survey should be carried out to confirm if any invasive plant species are present on site.

Advice should be sought from appropriately qualified highway and drainage engineers to assess the impact of the site gradient on development aspirations.

Owing to the presence of a quarry high wall and retaining wall feature to the sites western / north western boundary it is recommended that a visual assessment by a suitable qualified consultant is undertaken to ascertain the condition and stability of these features and their potential risks on the proposed development.

APPENDIX A

FIGURES AND DRAWINGS



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NOTES

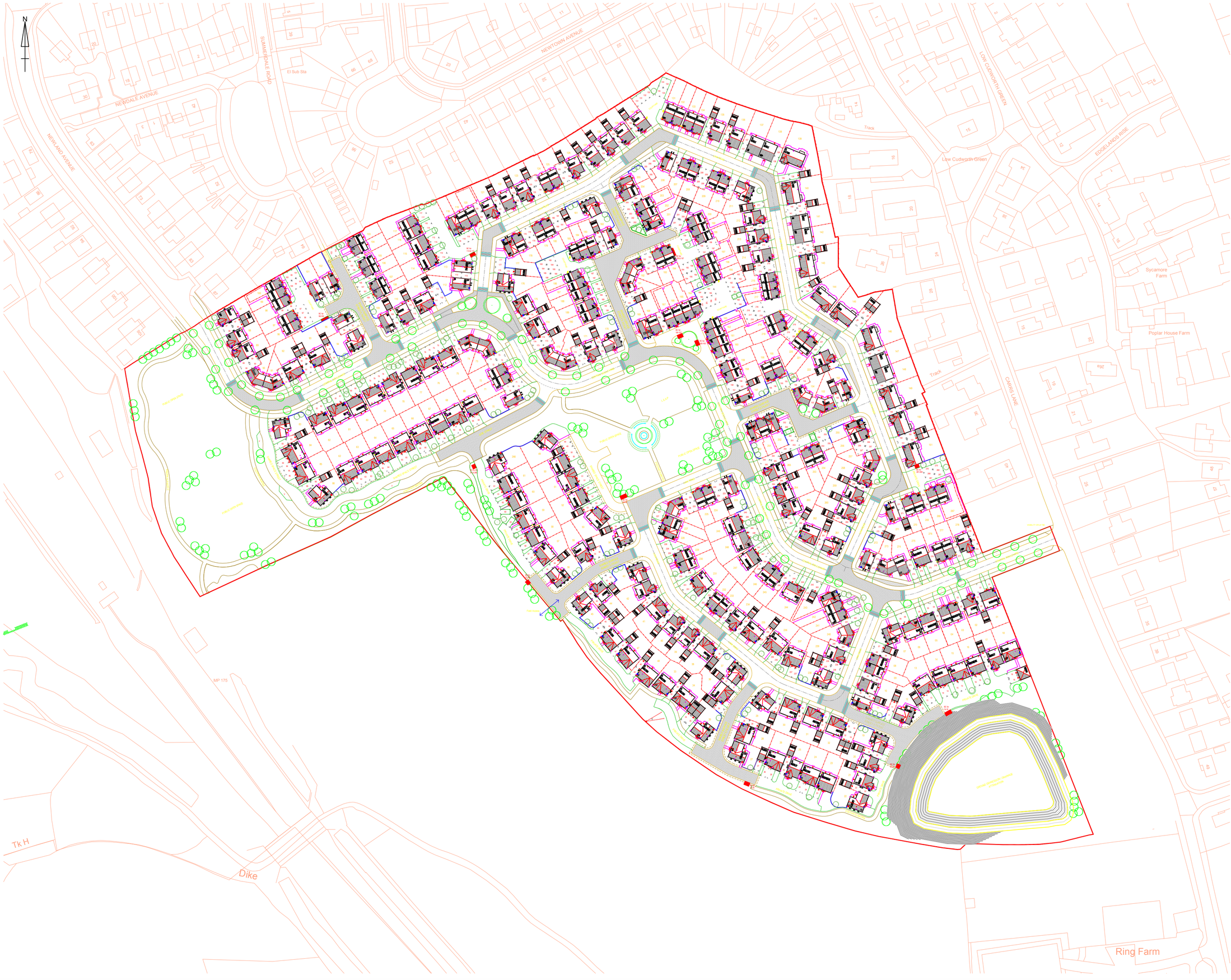
Approximate Site Location

REVISION	
0	For Information
A	>>
B	>>
C	>>
D	>>

SIRIUS GEOTECHNICAL & ENVIRONMENTAL
4245 Park Approach,
Thorpe Park,
Leeds,
LS15 8GB
www.thesiriusgroup.com
TEL: 0113 264 9960
FAX: 0113 264 9962

CLIENT	DRAWING NO.	REVISION NO.
Barratt & David Wilson Homes	C6138/01	0
SITE: Carrs Lane, Cudworth, Barnsley	DRAWN BY: DT	APPROVED BY: JL
DRAWING TITLE: Site Location Plan	DATE: September 2014	SCALE: 1:25,000

A4



NOTES

Drawing reproduced from Urban Design's Proposed Site Layout - Ref. YW-04-03-Revision AA, dated 25th April 2017

REVISION

0	Updated development layout plan
A	Updated development layout plan
B	>>
C	>>
D	>>

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CLIENT

Barratt & David Wilson Homes

SITE

Carrs Lane, Cudworth, Barnsley

DRAWING TITLE

Proposed Development Layout Plan

DRAWING NO.	REVISION NO.
C6138/02	B
DRAWN BY	**APPROVED BY**
MB	MB

DATE	SCALE	PAPER SIZE
April 2017	1:1,250	A2



View of Fly-Tipping



View to South West



View to East



View of Unknown Brick Structure



View to West



View to North West

Approximate Location of Former Reservoir as Seen on OS Mapping Between C.1906 - C. 2006

Location of Former Quarry

Sharlston Top Coal

Pollutant Incident to Controlled Water, Involving Sewage Between 1996 - 1997 as Seen in LIG Report

Approximate Location of Presumed Quarry / Quarry High Wall as Seen on Historical OS Mapping

Ploughed Field

Sharlston Low Coal

Approximate Location of Brick Retaining Wall

Old Crop

Old Crop

Sharlston Low Coal

Historical Gasometer as Seen on OS Maps (1893-1894)

Approximate Location of Air Shaft as Seen on Historical OS Mapping Between C. 1906 - 1932. Also Refered to as a Dissused Adit/Mine Entry on Coal Authority Mining Report

Approximate Location of Former Buildings on OS Mapping between C.1854 - 1955

Grassed Field

Grassed Field

As Refered to in LIG Report as Historical Landfill Site

Approximate Route of Former Railway Line + Associated Infastructure As Seen on OS Mapping Between C. 1854 - 1993

Pollutant Incident to Controlled Water, Involving Mud/Soil/Clay Between 1996 - 1997 as Seen in LIG Report

Ring Farm

Burton Abbey Farm

Stubbal Bridge

Bridge Dike

Burn Dikes & Weird Ditch

NOTES

- Approximate Site Boundary
- Flow Direction
- Site Access
- Overhead Cables
- General Site Slope
- Local Site Slope
- Old Telegraph Poles
- Yorkshire Water Manhole
- Fly-Tipped Material - Including Soil, Wood, Plastic, Cardboard, Metal, Glass, Fabric
- Rough Footpath
- Unknown Brick Stucture
- Fault as Seen on BGS Map Sheet (Cross Mark on Downthrowing Side)
- Coal Outcrop (approximate positions taken from 1:10,000 scale geological sheet)

REVISION	
1	New Planning Layout
A	>>
B	>>
C	>>
D	>>

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CLIENT

Barratt & David Wilson Homes

SITE

Carrs Lane, Cudworth, Barnsley

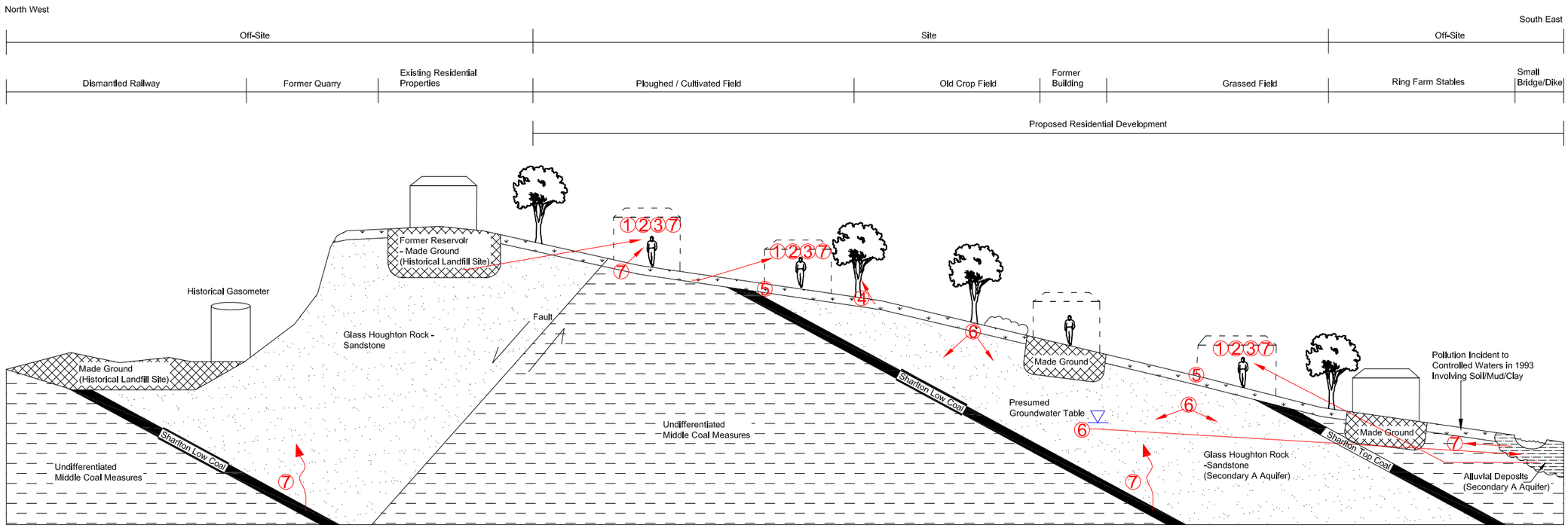
DRAWING TITLE

Site Features Plan (Showing Historical / Geological Features)

DRAWING NO.	REVISION NO.
C6138/03	1

DRAWN BY	APPROVED BY
DT	JL

DATE	SCALE	PAPER SIZE
October 2015	1:2000	A2



Contamination Sources	Contamination Pathways	Potential Receptors	Likelihood of significant pollutant linkage
Elevated metals, organic and inorganic contaminants, including asbestos, hydrocarbons and pesticides, in topsoil and locally made ground.	1 Direct and indirect inhalation 2 Inhalation of contaminated particles / dust 3 Dermal Contact	Future site users, construction site workers and adjacent land users	Low to Moderate
	4 Plant Uptake	Gardens and landscaping	Low
	5 Direct contact with construction materials	Sulphate attack on buried concrete, other construction materials and buried services	Low to moderate
Leachable and mobile metals, organic and inorganic contaminants within topsoil and locally made ground.	6 Leaching to controlled waters	Secondary A Aquifer & Small Bridge Dike	Low
Ground gas from on and off-site sources.	7 Generation and accumulation of gas	Future site users, construction workers, built environment	Moderate

NOTES

REVISION

1	New Planning Layout
A	>>
B	>>
C	>>
D	>>

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CLIENT

Barratt & David Wilson Homes

SITE

Carrs Lane, Cudworth, Burnley

DRAWING TITLE

Preliminary Conceptual Site Model

DRAWING NO.	REVISION NO.
C6138/04	1
DRAWN BY: DT	APPROVED BY: JL
DATE: October 2015	SCALE: NTS
PAPER SIZE: A3	

APPENDIX B

ENVIROCHECK REPORT

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
59383606_1_1

Customer Reference:
C6138/MB

National Grid Reference:
438650, 408150

Slice:
A

Site Area (Ha):
12.41

Search Buffer (m):
1000

Site Details:

Carrs Lane
Cudworth
Barnsley

Client Details:

P Coulson
Sirius Geotechnical & Environmental Ltd
4245 Park Approach
Thorpe Park
Leeds
LS15 8GB

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	32
Hazardous Substances	-
Geological	42
Industrial Land Use	58
Sensitive Land Use	61
Data Currency	62
Data Suppliers	66
Useful Contacts	67

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

Summary

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		3	10	33
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control	pg 12				1
Local Authority Pollution Prevention and Controls	pg 12	1			5
Local Authority Pollution Prevention and Control Enforcements	pg 13				1
Nearest Surface Water Feature			Yes		
Pollution Incidents to Controlled Waters	pg 13		16	10	22
Prosecutions Relating to Authorised Processes	pg 21				2
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 22		1		1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 22				4
Water Abstractions	pg 23				2 (*12)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 26	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 26	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	pg 26		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 29		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 29		Yes	Yes	n/a
Detailed River Network Offline Drainage					n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 32				1
Historical Landfill Sites	pg 32		2	1	7
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 34		1		2
Licensed Waste Management Facilities (Locations)	pg 34		1		4
Local Authority Recorded Landfill Sites	pg 36	1	1	2	6
Registered Landfill Sites	pg 37		1	1	4
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 40				6
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 42	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 42	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 54		1	2	4
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 55	Yes	n/a	n/a	n/a
Mining Instability	pg 56	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 56	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 56	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 56		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 56	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 57		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 57	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 57	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Summary

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 58		3	5	25
Fuel Station Entries					
Sensitive Land Use					
Areas of Adopted Green Belt	pg 61	1			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 61				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 61	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: Carrs Lane No. 37 Sso, Cudworth, Nr Wakefield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Ywucd2/25 Permit Version: 1 Effective Date: 12th November 1997 Issued Date: 12th November 1997 Revocation Date: 13th April 2004 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge 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	A11SW (SE)	64	2	438920 407930
2	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Carrs Lane Pumping Station Cudworth, Barnsley, South Yorkshire, England Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3320 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 Environment: Freshwater Stream/River Receiving Water: Small Bridge Dike **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A11SW (SE)	149	2	438950 407850
2	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Carrs Lane Pumping Station Cudworth, Barnsley, South Yorkshire, England Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3320 Permit Version: 1 Effective Date: 30th October 1978 Issued Date: 30th October 1978 Revocation Date: 5th March 2001 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge Dike **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 10m	A11SW (SE)	149	2	438950 407850
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Klondyke (Remote Eo) Sps Station Road, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa6008 Permit Version: 2 Effective Date: 27th February 2003 Issued Date: 27th February 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge Dike **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A10NW (W)	277	2	438100 408270

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 3 Effective Date: 26th October 2001 Issued Date: 26th October 2001 Revocation Date: 28th December 2001 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge Dyke **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SE)	457	2	439020 407550
4	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 3 Effective Date: 26th October 2001 Issued Date: 26th October 2001 Revocation Date: 28th December 2001 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge Dyke **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SE)	457	2	439020 407550
4	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works Location: Cudworth Stw, Cudworth, BARNSLEY, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: 2655 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm Sewage Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge Dike **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A7NE (SE)	464	2	439050 407550
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 7 Effective Date: 6th October 2004 Issued Date: 6th October 2004 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SE)	458	2	439150 407600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 3 Effective Date: 26th October 2001 Issued Date: 26th October 2001 Revocation Date: 28th December 2001 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge Dyke **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SE)	458	2	439150 407600
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 4 Effective Date: 29th December 2001 Issued Date: 26th October 2001 Revocation Date: 28th February 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SE)	458	2	439150 407600
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 6 Effective Date: 1st April 2002 Issued Date: 26th October 2001 Revocation Date: 5th October 2004 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SE)	458	2	439150 407600
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 5 Effective Date: 1st March 2002 Issued Date: 26th October 2001 Revocation Date: 31st March 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SE)	458	2	439150 407600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SE)	498	2	439120 407540
7	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 2 Effective Date: 1st June 1981 Issued Date: 1st June 1981 Revocation Date: 25th October 2001 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge Dyke **Status: Transferred from 1978 Order** Positional Accuracy: Located by supplier to within 100m	A7SE (SE)	501	2	439000 407500
7	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 2 Effective Date: 1st June 1981 Issued Date: 1st June 1981 Revocation Date: 25th October 2001 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge Dyke **Status: Transferred from 1978 Order** Positional Accuracy: Located by supplier to within 100m	A7SE (SE)	501	2	439000 407500
7	**Discharge Consents** Operator: Cudworth Urban District Council Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 1 Effective Date: 10th July 1970 Issued Date: 10th July 1970 Revocation Date: 31st May 1981 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge Dyke **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	A7SE (SE)	501	2	439000 407500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Cudworth Urban District Council Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 1 Effective Date: 10th July 1970 Issued Date: 10th July 1970 Revocation Date: 31st May 1981 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge Dyke **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	A7SE (SE)	501	2	439000 407500
7	**Discharge Consents** Operator: Cudworth Urban District Council Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 1 Effective Date: 10th July 1970 Issued Date: 10th July 1970 Revocation Date: 31st May 1981 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge Dyke **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	A7SE (SE)	501	2	439000 407500
8	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Klondyke Sps Tumbling Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa6126 Permit Version: 3 Effective Date: 31st March 2005 Issued Date: 28th February 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Small Bridge Dike **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NE (W)	528	2	437900 408460
8	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Klondyke Sps Tumbling Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa6126 Permit Version: 3 Effective Date: 31st March 2005 Issued Date: 28th February 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Small Bridge Dike **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NE (W)	528	2	437900 408460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Klondyke Sps Tumbling Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa6126 Permit Version: 2 Effective Date: 27th February 2003 Issued Date: 27th February 2003 Revocation Date: 30th March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Small Bridge Dike **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NE (W)	528	2	437900 408460
8	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Klondyke Sps Tumbling Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa6126 Permit Version: 2 Effective Date: 27th February 2003 Issued Date: 27th February 2003 Revocation Date: 30th March 2005 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Small Bridge Dike **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NE (W)	528	2	437900 408460
8	**Discharge Consents** Operator: Tarmac Quarry Products Ltd., Property Type: Trade (Unknown/Other) Location: Ready Mixed Concrete Ltd Tumbling Lane, Monk Bretton, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 1760 Permit Version: 2 Effective Date: 8th July 1997 Issued Date: 8th July 1997 Revocation Date: 27th February 2002 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Cudworth Dyke To River **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A9NE (NW)	547	2	437900 408500
8	**Discharge Consents** Operator: Tarmac Quarry Products Ltd., Property Type: Trade (Unknown/Other) Location: Ready Mixed Concrete Ltd Tumbling Lane, Monk Bretton, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 1760 Permit Version: 1 Effective Date: 16th April 1964 Issued Date: 16th April 1964 Revocation Date: 7th July 1997 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Cudworth Dyke To River **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	A9NE (NW)	547	2	437900 408500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Westhill Cso, Rotherham, . Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/Cb/8 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Varies With Outlet **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	A9NE (W)	555	2	437870 408460
9	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Klondyke Sps Tumbling Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa6126 Permit Version: 1 Effective Date: 7th August 1990 Issued Date: 7th August 1990 Revocation Date: 26th February 2003 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Cudworth Dyke **Status: Transferred from Water Act 1989** Positional Accuracy: Located by supplier to within 100m	A14SW (NW)	528	2	438000 408600
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Playing Fields Sps Barnsley Road, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7592 Permit Version: 1 Effective Date: 18th May 2000 Issued Date: 18th May 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Small Bridge Dyke **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SW (NW)	534	2	438090 408680
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Playing Fields Sps Barnsley Road, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7592 Permit Version: 1 Effective Date: 18th May 2000 Issued Date: 18th May 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Small Bridge Dyke **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SW (NW)	534	2	438090 408680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Klondyke (Remote Eo) Sps Station Road, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa6008 Permit Version: 1 Effective Date: 18th April 1990 Issued Date: 18th April 1990 Revocation Date: 26th February 2003 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Small Bridge Dyke **Status: Transferred from Water Act 1989** Positional Accuracy: Located by supplier to within 100m	A14SW (NW)	546	2	438100 408700
11	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Tumbling Lane, Klondyke, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th June 1993 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A9NE (W)	553	2	437870 408455
12	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Pumping Station Location: Snydale Road Ps , South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Reference: WADC389 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge Environment: Freshwater Stream/River Receiving Water: Ferrymoor Dyke **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A15SE (NE)	590	2	439210 408700
13	**Discharge Consents** Operator: Burnett & Hallamshire Fule Ltd Property Type: Trade (Unknown/Other) Location: B&H Fuels Ltd- Cudworth Tip Site (C, Losed) Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3462 Permit Version: 1 Effective Date: 5th September 1983 Issued Date: 5th September 1983 Revocation Date: 19th November 1990 Discharge Type: Trade Effluent Discharge Environment: Not Supplied Receiving Water: Not Supplied **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A13NE (NW)	823	2	437900 408900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 9 Effective Date: 19th March 2010 Issued Date: 19th March 2010 Revocation Date: 21st December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 9 Effective Date: 19th March 2010 Issued Date: 19th March 2010 Revocation Date: 21st December 2012 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 10 Effective Date: 22nd December 2012 Issued Date: 19th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 10 Effective Date: 22nd December 2012 Issued Date: 19th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 18th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 18th March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 7 Effective Date: 6th October 2004 Issued Date: 6th October 2004 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 7 Effective Date: 6th October 2004 Issued Date: 6th October 2004 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 4 Effective Date: 29th December 2001 Issued Date: 26th October 2001 Revocation Date: 28th February 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 4 Effective Date: 29th December 2001 Issued Date: 26th October 2001 Revocation Date: 28th February 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 5 Effective Date: 1st March 2002 Issued Date: 26th October 2001 Revocation Date: 31st March 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 5 Effective Date: 1st March 2002 Issued Date: 26th October 2001 Revocation Date: 31st March 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 6 Effective Date: 1st April 2002 Issued Date: 26th October 2001 Revocation Date: 5th October 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Cudworth Wwtw Carrs Lane, Cudworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2655 Permit Version: 6 Effective Date: 1st April 2002 Issued Date: 26th October 2001 Revocation Date: 5th October 2004 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A3NE (SE)	968	2	439310 407110
15	**Local Authority Integrated Pollution Prevention And Control** Name: Ardagh Glass Barnsley Limited Location: Burton Road, Monk Bretton, Barnsley, S71 2QG Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: IPPC/A2/01 Dated: 31st March 2005 Process Type: Mineral Industries Description: Glass manufacturing process **Status: Permit Issued** Positional Accuracy: Located by supplier to within 10m	A9NW (W)	996	3	437397 408424
16	**Local Authority Pollution Prevention and Controls** Name: Engineering Services Dlo Location: Smithies Lane Depot, Smithies Lane, Barnsley, S71 1NL Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Ppc/B/28 Dated: 13th October 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A10NE (W)	0	3	438400 408232
17	**Local Authority Pollution Prevention and Controls** Name: Tarmac Topmix Ltd Location: Tumbling Lane, Cudworth, BARNSLEY, S71 5SA 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: PG3/1Blending, packing, loading and use of bulk cement **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A13SE (NW)	563	3	437894 408522

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Local Authority Pollution Prevention and Controls** Name: A A Ogley & Sons Ltd Location: Tumbling Lane, Monk Bretton, BARNSLEY, South Yorkshire, S71 5SA 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: PG2/1Furnaces for the extraction of non-ferrous metal from scrap **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A9NE (W)	633	3	437800 408495
19	**Local Authority Pollution Prevention and Controls** Name: How Clean Dry Cleaners Location: 258 Barnsley Road, Cudworth, Barnsley, S72 8su Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: ppc/b/85 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A15NW (N)	792	3	438690 409172
20	**Local Authority Pollution Prevention and Controls** Name: Ej Lidster Construction Ltd Location: Arunden House, Lund Lane, Burton Grange, Barnsley, South Yorkshire, S71 5pa Authority: Rotherham Metropolitan Borough Council, Planning Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/16 Mobile screening and crushing processes **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A2NW (SW)	979	4	438030 407159
20	**Local Authority Pollution Prevention and Controls** Name: E J Lidster (Construction) Ltd Location: Arundun House, Lund Lane, Barnsley, South Yorkshire Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/13 Dated: 13th August 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A2NW (SW)	990	3	438021 407152
21	**Local Authority Pollution Prevention and Control Enforcements** Location: Burton Road, Monk Bretton, Barnsley, S71 2QG Type: Air Pollution Control Enforcement Notice Reference: ippc/a2/01 Date Issued: Not Supplied Enforcement Date: Not Supplied Details: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (NW)	703	3	437790 408620
	Nearest Surface Water Feature	A10SE (SW)	41	-	438480 407999
22	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 24th June 1993 Incident Reference: 145519 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	A11SW (SE)	90	2	438900 407900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Station Road, Lundwood, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 5th May 1996 Incident Reference: SH960198 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	A10NW (W)	96	2	438305 408295
23	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Station Road, CUDWORTH Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 17th April 1997 Incident Reference: SH970124 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	A10NW (W)	100	2	438300 408295
23	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Station Road, Lundwood, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Pollution Found; No Fish Killed Incident Date: 5th May 1996 Incident Reference: SH960198 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	A10NW (NW)	103	2	438300 408300
24	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Lundwood, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Rubbish Note: Pollution Found; Fish Killed: No Information Incident Date: 29th May 1996 Incident Reference: SH960218 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	A10NW (W)	182	2	438205 408295
24	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Station Road, LUNDWOOD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Pollution Found; No Fish Killed Incident Date: 13th August 1996 Incident Reference: SH960364 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	A10NW (W)	184	2	438205 408300
24	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Station Road, LUNDWOOD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Watercourse :Cudworth Dyke; From Barnsley Canal (Disused) To River Dearne Fish Killed: No Information Incident Date: 14th March 1998 Incident Reference: SH980094 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	A10NW (W)	186	2	438205 408305

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 26th April 1992 Incident Reference: 133100 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	A10NW (W)	186	2	438200 408295
24	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 5th June 1991 Incident Reference: 123031 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	A10NW (W)	188	2	438200 408300
24	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Lundwood, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Rubbish Note: Fish Killed: No Information Incident Date: 29th May 1996 Incident Reference: SH960218 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	A10NW (W)	190	2	438200 408305
24	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Watercourse At Station Road, Lundwood, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Cudworth Dyke; Fish Killed: No Information Incident Date: 21st July 1998 Incident Reference: SH980292 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	A10NW (W)	195	2	438195 408305
24	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Station Road, Cudworth Dyke, LUNDWOOD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Pollution Found; No Fish Killed Incident Date: 14th June 1996 Incident Reference: SH960285 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	A10NW (W)	235	2	438150 408300
25	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Kitchen Wastes (E.g. Peelings Etc.) Note: Not Supplied Incident Date: 30th July 1991 Incident Reference: 124790 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	A7NW (SE)	190	2	438900 407800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Surface Water Note: Not Supplied Incident Date: 9th August 1991 Incident Reference: 125191 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	A7NW (SE)	195	2	438905 407795
25	**Pollution Incidents to Controlled Waters** Property Type: Farm Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 18th June 1990 Incident Reference: 111782 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	A7NW (SE)	195	2	438900 407795
26	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Station Road, Cudworth Dyke, Lundwood, CUDWORTH Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 14th June 1996 Incident Reference: SH960285 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	A10NW (W)	234	2	438150 408295
27	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 27th December 1993 Incident Reference: 149341 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	A10NW (W)	275	2	438100 408200
27	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Water Treatment Works Location: Cudworth Dyke Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: No Fish Killed Incident Date: 9th September 1997 Incident Reference: SH970482 Catchment Area: Doe Lea And 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	A10NW (W)	276	2	438100 408195
28	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 21st March 1990 Incident Reference: 108833 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	A10NW (W)	283	2	438100 408300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: River Dearne At, CUDWORTH Authority: Environment Agency, North East Region Pollutant: Oils - Tars/Bitumen Note: Pollution Found; No Fish Killed Incident Date: 17th April 1996 Incident Reference: SH960140 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	A7NW (SE)	288	2	438900 407700
29	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: River Dearne At, CUDWORTH Authority: Environment Agency, North East Region Pollutant: Oils - Tars/Bitumen Note: No Fish Killed Incident Date: 17th April 1996 Incident Reference: SH960140 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	A7NW (SE)	293	2	438900 407695
30	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 12th July 1990 Incident Reference: 112612 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	A10NW (W)	375	2	438000 408200
31	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 4th June 1990 Incident Reference: 111221 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	A14SW (NW)	455	2	438105 408595
31	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Lund Lane Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 6th January 1989 Incident Reference: 6729 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	A14SW (NW)	458	2	438100 408595
31	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 7th June 1993 Incident Reference: 144947 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	A14SW (NW)	462	2	438100 408600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Barnsley Road, CUDWORTH Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 31st January 1997 Incident Reference: SH970034 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	A10NW (NW)	463	2	438000 408500
33	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 5th September 1990 Incident Reference: 114318 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SE)	506	2	439000 407495
34	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Tumbling Lane, Lundwood, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Fish Killed: No Information Incident Date: 8th February 1996 Incident Reference: SH960050 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (W)	521	2	437900 408445
34	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Tumbling Lane, Lundwood, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Pollution Found; Fish Killed: No Information Incident Date: 8th February 1996 Incident Reference: SH960050 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	A9NE (W)	523	2	437900 408450
34	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Unknown Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 19th October 1994 Incident Reference: 153325 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (NW)	544	2	437900 408495
35	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: Footbridge/ Road Bridge B6428 Dearne 19 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 10th January 1990 Incident Reference: 106742 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A14SW (NW)	524	2	438000 408595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 12th September 1991 Incident Reference: 126316 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	A14SW (NW)	528	2	438000 408600
36	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 11th June 1991 Incident Reference: 123218 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	A7SE (SE)	527	2	439100 407500
37	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 16th October 1991 Incident Reference: 127499 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	A14SW (NW)	539	2	438105 408695
37	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Not Supplied Incident Date: 26th March 1992 Incident Reference: 131644 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	A14SW (NW)	542	2	438100 408695
37	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 17th November 1992 Incident Reference: 138925 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	A14SW (NW)	544	2	438105 408700
37	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 30th April 1990 Incident Reference: 109966 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	A14SW (NW)	546	2	438100 408700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 21st October 1991 Incident Reference: 127796 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	A14SW (NW)	599	2	438000 408695
38	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 24th July 1990 Incident Reference: 112941 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A14SW (NW)	603	2	438000 408700
39	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Surface Water Note: Not Supplied Incident Date: 29th October 1992 Incident Reference: 138101 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	A13SE (NW)	603	2	437900 408600
40	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: A628 At Tumbling Lane, Lundwood, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: No Fish Killed Incident Date: 6th September 1995 Incident Reference: SH950037 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (W)	613	2	437780 408380
41	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 3rd September 1992 Incident Reference: 136704 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	A14SW (NW)	684	2	438000 408800
42	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Grange Bridge A633 /, Road Bridge A628 Dearne 14 Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 15th March 1994 Incident Reference: 150227 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (NW)	859	2	437600 408600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: Little Houghton/Edderthrp Ln Dearne 10 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 4th November 1991 Incident Reference: 127837 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	A15NE (NE)	861	2	439300 409000
44	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Cudworth, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 28th April 1997 Incident Reference: SH970189 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	A16SW (NE)	963	2	439600 408800
45	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Five Lane End, Cudworth, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: Cudworth Dyke; No Fish Killed Incident Date: 22nd May 1998 Incident Reference: SH980232 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	A16SW (NE)	976	2	439650 408750
46	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Pumping Station Location: Ferrymoor Dyke At, CUDWORTH COMMON Authority: Environment Agency, North East Region Pollutant: Sewage Sludge Note: No Fish Killed Incident Date: 19th March 1997 Incident Reference: SH970092 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	A16SE (NE)	992	2	439700 408695
46	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Little Houghton/Edderthrp Ln Dearne 10 Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Not Supplied Incident Date: 8th July 1994 Incident Reference: 152646 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	A16SE (NE)	995	2	439700 408700
47	**Prosecutions Relating to Authorised Processes** Location: North Land Skips, The Yard, Burton Road Monk Bretton, Barnsley, Yorkshire, S71 5RS Prosecution Text: Ea News Release, Offences Where Keeping Controlled Waste And Disposing Waste By Burning. The Site Was Not Covered By A Waste Management Licence. Prosecution Act: Ea90 S33(1b)(1a) Hearing Date: 19th October 2000 Verdict: Guilty Fine: 10000 Costs: 2675.87 Positional Accuracy: Manually positioned to the address or location	A13SE (NW)	715	2	437747 408571

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**Prosecutions Relating to Authorised Processes** Location: Land At Darfield Road, Cudworth Common, Barnsley, S72 Prosecution Text: Burning waste on a site without the correct WML Prosecution Act: Epa90 S33 Hearing Date: 15th September 2005 Verdict: Guilty Fine: 20000 Costs: 3375 Positional Accuracy: Manually positioned to the road within the address or location	A8NW (SE)	801	2	439651 407671
	River Quality Name: Cudworth_Dyke GQA Grade: River Quality E Reach: Barnsley_Canal_(Disu_River_Dearn Estimated Distance (km): 2.6 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A10SE (SW)	66	2	438558 407926
	River Quality Name: Shafton_Beck GQA Grade: River Quality E Reach: Grimethorpe_Sewage_W_Grimethorpe_Dik Estimated Distance (km): 1.6 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A16SW (NE)	991	2	439636 408798
49	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 9th March 2004 Incident Reference: 221758 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Other	A9NE (NW)	587	2	437864 408518
49	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 4th February 2004 Incident Reference: 214672 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Other	A13SE (NW)	590	2	437861 408519
50	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 27th August 2003 Incident Reference: 185386 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable Materials and WastesAlgae	A14NW (NW)	825	2	438026 408980
51	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 3rd November 2004 Incident Reference: 277056 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Specific Waste Materials: Vehicles And Vehicle Parts	A19SW (N)	906	2	438832 409269

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	**Water Abstractions** Operator: Northern Strip Mining Limited Licence Number: 2/27/08/096 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 114 Yearly Rate (m3): 32000 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SE (NW)	739	2	437900 408795
52	**Water Abstractions** Operator: Northern Strip Mining Limited Licence Number: 2/27/08/094 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 114 Yearly Rate (m3): 32000 Details: Licence 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	A13SE (NW)	743	2	437900 408800
	Water Abstractions Operator: Redfearn Brothers Ltd Licence Number: 2/27/08/043 Permit Version: Not Supplied Location: Monk Bretton Glass Works, Monk Bretton, BARNSLEY Authority: Environment Agency, North East Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 9 Yearly Rate (m3): 3319 Details: Borehole; Status : Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1199	2	437205 408495
	Water Abstractions Operator: Redfearn Brothers Limited Licence Number: 2/27/08/044 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 3928 Yearly Rate (m3): 1433627 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1204	2	437200 408495

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Redfearn Brothers Limited Licence Number: 2/27/08/045 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 9 Yearly Rate (m3): 3319 Details: Sherwood Sandstone Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1205	2	437200 408500
	Water Abstractions Operator: J & E Dickinson Licence Number: 2/27/08/090 Permit Version: 101 Location: River Dearne Authority: Environment Agency, North East Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tyers Hall Farm, Darfield, Barnsley: Tyers Hill Farm, Darfield, Barnsley:Crooke House Farm, Edderthorpe, Barnsley, Low Farm And Middle Farm, Darfield Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 19th July 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1272	2	439770 407050
	Water Abstractions Operator: J & E Dickinson Licence Number: 2/27/08/090 Permit Version: 101 Location: River Dearne Authority: Environment Agency, North East Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tyers Hall Farm, Darfield, Barnsley:Tyers Hill Farm, Darfield, Barnsley: Crooke House Farm, Edderthorpe, Barnsley, Low Farm And Middle Farm, Darfield Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 19th July 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1272	2	439770 407050
	Water Abstractions Operator: J & E Dickinson Licence Number: 2/27/08/090 Permit Version: 101 Location: River Dearne Authority: Environment Agency, North East Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tyers Hall Farm, Darfield, Barnsley:Tyers Hill Farm, Darfield, Barnsley:Crooke House Farm, Edderthorpe, Barnsley, Low Farm And Middle Farm, Darfield Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 19th July 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1272	2	439770 407050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J & E Dickinson Licence Number: 2/27/08/090 Permit Version: 100 Location: River Dearne Authority: Environment Agency, North East Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 3408 Yearly Rate (m3): 464000 Details: Tyers Hall Farm, Darfield, Barnsley: Tyers Hill Farm, Darfield, Barnsley:Crooke House Farm, Edderthorpe, Barnsley, Low Farm And Middle Farm, Darfield Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 27th March 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4NE (SE)	1272	2	439770 407050
	Water Abstractions Operator: J & E Dickinson Licence Number: 2/27/08/090 Permit Version: 100 Location: River Dearne Authority: Environment Agency, North East Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tyers Hall Farm, Darfield, Barnsley:Tyers Hill Farm, Darfield, Barnsley: Crooke House Farm, Edderthorpe, Barnsley, Low Farm And Middle Farm, Darfield Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 27th March 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1272	2	439770 407050
	Water Abstractions Operator: J & E Dickinson Licence Number: 2/27/08/090 Permit Version: 100 Location: River Dearne Authority: Environment Agency, North East Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tyers Hall Farm, Darfield, Barnsley:Tyers Hill Farm, Darfield, Barnsley:Crooke House Farm, Edderthorpe, Barnsley, Low Farm And Middle Farm, Darfield Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 27th March 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1272	2	439770 407050
	Water Abstractions Operator: J & E Dickinson Licence Number: Ne/027/0008/011 Permit Version: 1 Location: Borehole - Coal Measures - Tyers Hall - Barnsley Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tyers Hall Farm, Barnsley, South Yorkshire Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 19th December 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SW (SE)	1638	2	439584 406499

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J & E Dickinson Licence Number: Ne/027/0008/011 Permit Version: 1 Location: Borehole - Coal Measures - Tyers Hall - Barnsley Authority: Environment Agency, North East Region Abstraction: Private Water Supply: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tyers Hall Farm, Barnsley, South Yorkshire Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 19th December 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SW (SE)	1638	2	439584 406499
	Water Abstractions Operator: British Coal Licence Number: 2/27/08/012 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 3273 Yearly Rate (m3): 772820 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1751	2	440640 408320
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A10NE (N)	0	2	438597 408299
	Groundwater Vulnerability Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A11SW (NE)	0	2	438654 408153
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11SW (NE)	0	5	438654 408153
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (SW)	29	2	438515 408005
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A10SE (SW)	40	2	438555 407984
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A10SE (SW)	57	2	438516 408000
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (SW)	58	2	438525 408000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A10SE (SW)	65	2	438529 407995
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (SW)	68	2	438535 407995
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A10SE (SW)	73	2	438541 407990
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A10SE (SW)	75	2	438530 407975
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (SW)	77	2	438545 407990
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11SW (SE)	78	2	438765 407895
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A10SE (SW)	80	2	438554 407985
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A11SW (SE)	82	2	438887 407908
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11SW (S)	86	2	438715 407905
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (SW)	87	2	438555 407985
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A10SE (SW)	88	2	438557 407983
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A10SE (W)	91	2	438357 408035
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A11SW (S)	91	2	438755 407897
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (S)	101	2	438635 407925
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (S)	101	2	438610 407945
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A10SE (SW)	102	2	438350 408025

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A11SW (S)	103	2	438690 407902
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (S)	103	2	438595 407955
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (S)	103	2	438590 407960
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (S)	104	2	438600 407950
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A10SW (W)	105	2	438297 408101
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (S)	105	2	438580 407965
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (SW)	105	2	438575 407970
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A10SE (S)	106	2	438580 407965
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A10SE (SW)	106	2	438575 407969
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A10SE (S)	110	2	438625 407926
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11SW (SE)	137	2	438960 407865
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A11SW (SE)	139	2	438960 407863
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A11SW (SE)	141	2	438964 407860
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11SW (SE)	142	2	438962 407860
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A7NW (SE)	176	2	438971 407827
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10NW (W)	232	2	438145 408268

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (SW)	32	2	438545 407990
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
53	**Detailed River Network Lines** River Type: Primary River River Name: Small Bridge Dyke Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A10SE (SW)	42	2	438556 407972
54	**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 Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A10SW (W)	181	2	438219 408096
55	**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 Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A10SW (W)	181	2	438219 408096
56	**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 Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A10NW (NW)	304	2	438204 408479
57	**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 Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A10SW (W)	354	2	438053 408045

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	**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 Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A10SW (W)	354	2	438053 408045
59	**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 Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A14SW (NW)	425	2	438139 408582
60	**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 Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A14SW (NW)	425	2	438138 408581
61	**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 Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A7NE (SE)	456	2	439018 407550
62	**Detailed River Network Lines** River Type: Primary River River Name: Small Bridge Dyke Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A7NE (SE)	456	2	439018 407550
63	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A14SW (NW)	469	2	438133 408630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	**Detailed River Network Lines** River Type: Primary River River Name: Small Bridge Dike Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A14SW (NW)	474	2	438068 408589
65	**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 Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A14SW (NW)	474	2	438068 408589
66	**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 Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A14SW (NW)	499	2	438020 408579
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	**BGS Recorded Landfill Sites** Site Name: Klondyke Tip Location: Burton Road, BARNSLEY, South Yorkshire Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A14SW (NW)	530	5	438018 408620
68	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Newlands Avenue, Cudworth Name: Newland Avenue Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04377 First Input Date: 31st December 1972 Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: (157)B, 4400/(157)	A10NE (W)	1	2	438398 408243
69	**Historical Landfill Sites** Licence Holder: Messrs Heeley and Sanders Location: Cudworth, Barnsley, South Yorkshire Name: Former Cudworth Railway Station Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD33057 First Input Date: 8th September 1994 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 60543 Regis Ref: YQ1/L/MES008 WRC Ref: 4400/0569 BGS Ref: Not Supplied Other Ref: WD20 B1000, NE4240	A10SE (SW)	29	2	438446 408013
70	**Historical Landfill Sites** Licence Holder: R and V Rodbourne Location: Carrs Lane, Cudworth, Barnsley, South Yorkshire Name: Land adjacent to Rifle Range Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04378 First Input Date: 16th May 1984 Last Input Date: 11th November 1985 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0493 BGS Ref: Not Supplied Other Ref: WD20 B426, 4400/B426, 20B426(91)	A7NE (SE)	285	2	439000 407722
71	**Historical Landfill Sites** Licence Holder: R Armstrong Location: Cudworth, Barnsley Name: Bleach Croft Farm Operator Location: Bleach Croft Farm, Cudworth, Barnsley Boundary Accuracy: As Supplied Provider Reference: EAHLD04380 First Input Date: 30th November 1987 Last Input Date: 31st December 1994 Specified Waste Type: Deposited Waste included Inert and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0446 BGS Ref: Not Supplied Other Ref: WD20 B330, WD20 B815, 4400/B330, 20B815, 20B330(43)	A14SW (NW)	523	2	438100 408673

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Burton Road, Barnsley, South Yorkshire Name: Klondyke Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD31671 First Input Date: 4th April 1972 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert, Industrial and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 1893 Other Ref: Not Supplied	A14SW (NW)	530	2	438018 408620
73	**Historical Landfill Sites** Licence Holder: Redland Purle (Cleanaway) Limited Location: Burton Road, Monk Bretton, Barnsley Name: Cudworth Landfill Site Operator Location: Claydons Lane, Rayleigh, Essex Boundary Accuracy: As Supplied Provider Reference: EAHLD04379 First Input Date: 31st December 1973 Last Input Date: 31st December 1977 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0421 BGS Ref: Not Supplied Other Ref: WD20 B3, 4400/B3, 20B3(18)	A14SW (NW)	556	2	437972 408612
74	**Historical Landfill Sites** Licence Holder: Mr D Higgs Location: Burton Road, Monk Bretton, Barnsley Name: Land adjacent to 480 - 502 Burton Road Operator Location: West Green Testing Centre, Burton Road, Monk Bretton, Barnsley Boundary Accuracy: As Supplied Provider Reference: EAHLD04376 First Input Date: 31st December 1984 Last Input Date: 31st December 1988 Specified Waste Type: Deposited Waste included Inert and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0447 BGS Ref: Not Supplied Other Ref: Not Supplied	A9NE (W)	720	2	437683 408429
75	**Historical Landfill Sites** Licence Holder: Barnsley Metropolitan Borough Council Location: Monk Bretton, Barnsley Name: Littleworth Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04375 First Input Date: Not Supplied Last Input Date: 31st December 1996 Specified Waste Type: Deposited Waste included Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0423 BGS Ref: Not Supplied Other Ref: (20)B	A9SW (W)	773	2	437621 408037
76	**Historical Landfill Sites** Licence Holder: Neepsend / North Strip Mining / B and H Fuel Limited Location: Off Burton Road, Monk Bretton, Barnsley Name: Cudworth Tip Site Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD34624 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0456 BGS Ref: Not Supplied Other Ref: Not Supplied	A13NE (NW)	774	2	437945 408871

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	**Historical Landfill Sites** Licence Holder: Mr E J Lidster Location: Monk Bretton, Barnsley Name: Land at Burton Road Operator Location: Arunden House, Lund Lane, Burton Grange, Barnsley Boundary Accuracy: As Supplied Provider Reference: EAHLD05743 First Input Date: 30th November 1983 Last Input Date: 31st December 1989 Specified Waste Type: Deposited Waste included Inert, Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0490 BGS Ref: Not Supplied Other Ref: WD20 B399, 4400/B399, 20B399(88)	A9NW (W)	983	2	437393 408294
78	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Former Cudworth Railway Station Licence Number: 60543 Location: Cudworth, Barnsley, S Yorks Licence Holder: Messrs Heeley & Sanders Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Large (Equal to or greater than 75,000 tonnes per year) **Licence Status:** **Inactive** Issued: 8th September 1994 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A10SE (SW)	29	2	438456 408001
79	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: R. Armstrong Licence Number: 60593 Location: Bleachcroft Farm, Barnsley Road, Cudworth, Barnsley, South Yorkshire, S72 8UX Licence Holder: Armstrong Mr R Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status:** **Issued** Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A14NW (NW)	654	2	438191 408877
80	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: R. Armstrong Licence Number: 60593 Location: Bleachcroft Farm, Barnsley Road, Cudworth, Barnsley, South Yorkshire, S72 8UX Licence Holder: Armstrong Mr R Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status:** **Issued** Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A14NW (NW)	747	2	438040 408897
81	**Licensed Waste Management Facilities (Locations)** Licence Number: 60543 Location: Cudworth, Barnsley, South Yorkshire Operator Name: Messrs Heeley & Sanders Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) **Licence Status:** **Surrendered** Issued: 8th September 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 17th May 2001 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10SW (W)	103	2	438300 408100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	**Licensed Waste Management Facilities (Locations)** Licence Number: 60546 Location: Land At Junction Of, Pontefract Road & Burton Road, West Green, Barnsley, South Yorkshire Operator Name: E J Lidster (Construction) Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Inert & excavation Waste TS + treatment **Licence Status: Modified** Issued: 31st January 1994 Last Modified: 23rd August 2013 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SW (NW)	603	2	438000 408700
83	**Licensed Waste Management Facilities (Locations)** Licence Number: 60593 Location: Bleachcroft Farm, Barnsley Road, Cudworth, Barnsley, South Yorkshire, S72 8UX Operator Name: Armstrong Mr R Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) **Licence Status: Issued** Issued: 15th April 1991 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	A14NW (NW)	719	2	438100 408900
84	**Licensed Waste Management Facilities (Locations)** Licence Number: 60601 Location: West Green Testing Centre, Burton Road, Monk Bretton, Barnsley, South Yorkshire, S71 5RS Operator Name: Dennis Higgs & Son Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Metal Recycling Sites (Mixed) **Licence Status: Expired** Issued: 17th December 1992 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	A9NW (W)	820	2	437600 408500
85	**Licensed Waste Management Facilities (Locations)** Licence Number: 65337 Location: Unit 1, The Brick Yard, Burton Road, Barnsley, South Yorkshire, S71 5RP Operator Name: Roddis Francis Lee Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: End of Life Vehicles **Licence Status: Issued** Issued: 24th June 2004 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NW (W)	982	2	437400 408350
	Local Authority Landfill Coverage Name: Barnsley Metropolitan Borough Council - Has supplied landfill data		0	3	438654 408153

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 157 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	A10NE (W)	0	3	438404 408247
87	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 167 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	A10SE (SW)	49	3	438446 407985
88	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 42 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	A7NE (SE)	283	3	439001 407725
89	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 91 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	A7NW (S)	431	3	438885 407553
90	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 43 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	A14SW (NW)	532	3	438100 408684
91	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 18 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards **Last Reported Status:** **Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A13SE (NW)	560	3	437967 408612
92	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 43 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	A14NW (NW)	650	3	438193 408874

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 163 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: Good	A9NE (W)	722	3	437680 408429
94	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 54 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards **Last Reported Status:** **Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A13SE (NW)	740	3	437970 408847
95	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 20 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	A9SW (W)	886	3	437518 407996
96	**Registered Landfill Sites** Licence Holder: Messrs Heeley & Sanders Licence Reference: WD20 B1000 MOD 3 Site Location: Former Cudworth Railway Station, Cudworth, Barnsley, South Yorkshire Licence Easting: 438300 Licence Northing: 408100 Operator Location: 350 Midland Road, Royston, BARNSLEY, South Yorkshire, S71 4AZ 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 Restrictions: No known restriction on source of waste Status: Licence has completion certificateSurrendered Dated: 8th September 1994 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Inert Non-Combustible Constr/Demol.W. Max.Waste Permitted By Licence Prohibited Waste: Any Other Biodegradable Waste Asbestos In Any Form Paper Plasterboard Putrescible Waste Timber Waste N.O.S.	A10SW (W)	103	2	438300 408100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	**Registered Landfill Sites** Licence Holder: R & V Rodbourne Licence Reference: WD20 B 426 Site Location: Rifle Range Farm, Cudworth, Barnsley, South Yorkshire Licence Easting: 438900 Licence Northing: 407500 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st May 1984 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Non-Haz.Household Waste Subsoil Prohibited Waste: Asbestos Liquids In Containers Over 4l Cap. Slurry In Containers Over 4l Cap.	A7SW (S)	486	2	438900 407500
98	**Registered Landfill Sites** Licence Holder: Cleanaway Ltd Licence Reference: WD20 B 3 MOD 1 Site Location: Cudworth Landfill, Burton Road, Monk Bretton, Barnsley, South Yorkshire Licence Easting: 437900 Licence Northing: 408700 Operator Location: The Drive, Warley, BRENTWOOD, Essex, CM13 3BE 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 Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st January 1991 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Clay, Sub/Topsoil	A13SE (NW)	669	2	437900 408700
99	**Registered Landfill Sites** Licence Holder: R Armstrong Licence Reference: WD20 B 330 Site Location: Bleach Croft Farm, Cudworth, Barnsley, South Yorkshire Licence Easting: 438050 Licence Northing: 408850 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st November 1981 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Excavated Natural Materials $ Prohibited Waste: Liquids In Containers Over 4l Cap. Slurry In Containers Over 4l Cap.	A14SW (NW)	701	2	438050 408850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	**Registered Landfill Sites** Licence Holder: D Higgs Licence Reference: WD20 B 452 MOD 2 Site Location: Adj. 480-502 Burton Road, Monk Bretton, Barnsley, South Yorkshire Licence Easting: 437650 Licence Northing: 408500 Operator Location: Burton Road, Monk Bretton, 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 Restrictions: No known restriction on source of waste Status: Licence not applicable (partially revoked)Partially Revoked Dated: 1st December 1984 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Brick Rubble, Hardcore Constr'N/Demol. Non-Haz/Non-Combust. Soil, Subsoil Prohibited Waste: All Forms Of Asbestos Liq/Slurry In Drum/Cont'Rs > 4 L Cap'Y Paper/Cardboard Waste Plasterboard Plastic Wood	A9NE (W)	773	2	437650 408500
101	**Registered Landfill Sites** Licence Holder: R Armstrong Licence Reference: WD20 B 815 MOD 2 Site Location: Bleachcroft Farm, Cudworth, BARNSLEY, South Yorkshire, S72 8UX Licence Easting: 438030 Licence Northing: 408970 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Site closed (licence partially revoked)Site Closed Dated: 15th April 1991 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Inert Non-Haz. Casting Sand Inert Solid Non-Haz. Excavation W. Inert Solid Non-Haz. Soil & Subsoil Inert, Non-Haz. Solid Constr'N/Demol. Max.Waste Permitted By Licence-Stated Prohibited Waste: Alll Forms Of Asbestos Liquid/Slurry In Drum/Cont'R > 4 L Cap Paper/Cardboard Waste Plasterboard Plastic Wood	A14NW (NW)	814	2	438030 408970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	**Registered Waste Treatment or Disposal Sites** Licence Holder: E J Lidster Construction Ltd Licence Reference: WD20 B1030 MOD 2 Site Location: Burton Road / Pontefract Road, West Green, Barnsley, South Yorkshire Operator Location: Arunden House, Lund Lane, Burton Green, BARNSLEY, South Yorkshire, S71 5PA Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer - with treatment Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Site not yet started Dated: 31st January 1994 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Building And Demolition Wastes Excavation Materials Max.Storage For Processing Max.Waste Permitted By Licence Prohibited Waste: Asbestos Liquid/Sludge Wastes Putrescible Waste	A14SW (NW)	528	2	438000 408600
103	**Registered Waste Treatment or Disposal Sites** Licence Holder: A A Ogley & Son Ltd Licence Reference: WD20 B 653 MOD 1 Site Location: Tumbling Lane, Monk Bretton, Barnsley, South Yorkshire Operator Location: Burton Road, Monk Bretton, Barnsley, South Yorkshire Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st September 1993 Preceded By Licence: WD20 B 653 Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Elect. Switchgear/Motors Max.Stor Elect.Transformers/Equipment Ferrous Metal Scrap Non-Ferrous Metal Scrap Wet Cell Batteries Max.Stor Prohibited Waste: Waste N.O.S.	A9NE (NW)	590	2	437850 408500
103	**Registered Waste Treatment or Disposal Sites** Licence Holder: A A Ogley & Son Ltd Licence Reference: WD20 B 653 Site Location: Tumbling Lane, Monk Bretton, Barnsley, South Yorkshire Operator Location: Burton Road, Monk Bretton, Barnsley, South Yorkshire 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 Restrictions: No known restriction on source of waste Licence Status: Record supersededSuperseded Dated: 1st April 1989 Preceded By Licence: Not Given Superseded By Licence: WD20 B 653 MOD 1 Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Dry Cell Batteries Non-Ferrous Metal Scrap Prohibited Waste: Liquid Wastes Pcb'S	A9NE (NW)	590	2	437850 408500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	**Registered Waste Treatment or Disposal Sites** Licence Holder: A A Ogley & Son Ltd Licence Reference: WD20 B 654 Site Location: Burton Road (West Green Garage), Monk Bretton, Barnsley, South Yorkshire Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st April 1989 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Ferrous Metal Scrap Scrap Cars Prohibited Waste: Liquid Wastes	A9NE (W)	635	2	437800 408500
104	**Registered Waste Treatment or Disposal Sites** Licence Holder: C Rawlinson Licence Reference: WD20 B 685 Site Location: Car Dismantling Yard, Bloemfontein Street, Cudworth, Barnsley, South Yorkshire Operator Location: 9 Thruxton Close, Cudworth, BARNSLEY, South Yorkshire, S72 8NB 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 Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st October 1989 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Storage Permitted By Licence Scrap Vehicles Prohibited Waste: Liquid Wastes	A14NE (N)	646	2	438350 408950
105	**Registered Waste Treatment or Disposal Sites** Licence Holder: D Higgs & Son Ltd Licence Reference: WD20 B 912 MOD 4 Site Location: West Green Testing Centre, Burton Road, Monk Bretton, BARNSLEY, South Yorkshire, S71 5RS Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard - with Transfer Station Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 1st December 1992 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Commercial Vehicles Max.Stor Ferrous Metal Scrap Max.Stor Inert Non-Combust. Constr'N/Demol Wast Max.Waste Permitted By Licence Non-Ferrous Metal Scrap Prohibited Waste: Liquid Wastes	A13SE (NW)	765	2	437700 408590

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)	A11SW (NE)	0	5	438654 408153
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NE (NW)	0	6	438522 408304
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (S)	0	6	438654 408000
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A11SW (SE)	0	6	438863 408000
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A10NE (NW)	0	6	438526 408308
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (NE)	0	6	438654 408153
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A10SE (SW)	0	6	438514 408060

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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A11NW (NE)	0	6	438769 408215
	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	A10SE (SW)	14	6	438510 408000
	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	A10SE (SW)	37	6	438561 407975
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NW (N)	51	6	438674 408428
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A10SE (SW)	55	6	438554 408000
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A10SE (S)	78	6	438575 407902

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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A11SE (SE)	82	6	439000 408000
	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	A11SE (E)	82	6	439000 408153
	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	A10SE (W)	82	6	438326 408099
	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	A10SE (S)	85	6	438586 407959
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A10SW (W)	91	6	438293 408125
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NW (N)	93	6	438741 408448

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 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	A10SW (W)	101	6	438294 408116
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A10SE (SW)	102	6	438366 408000
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10SE (S)	115	6	438576 407893
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (SE)	129	6	438944 407869
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A10SW (W)	140	6	438304 408027
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A10SW (SW)	152	6	438307 408000

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 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	A7NW (SE)	176	6	438979 407830
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SE (E)	212	6	439130 408000
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NE (NE)	212	6	439030 408335
	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	A7NE (SE)	228	6	439000 407783
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (SE)	247	6	439000 407762
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (N)	251	6	438634 408631

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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SE (N)	253	6	438615 408630
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (SE)	286	6	439018 407727
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (NW)	340	6	438391 408624
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A10SW (W)	374	6	438000 408153
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15SE (NE)	385	6	439000 408629
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15SE (NE)	390	6	439000 408637

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	A15SE (NE)	401	6	439016 408636
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SW (NW)	417	6	438208 408614
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A10SW (W)	419	6	438000 408000
	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	A14SW (NW)	427	6	438184 408611
	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	A10NW (NW)	433	6	438000 408446
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NE (W)	467	6	437905 408217

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 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	A14SW (NW)	515	6	438000 408581
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (NW)	547	6	437949 408571
	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	A15SE (NE)	547	6	439169 408684
	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	A6NW (SW)	568	6	438000 407710
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SW (NW)	573	6	438210 408796
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15SE (NE)	603	6	439286 408618

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	A9SE (W)	610	6	437800 408000
	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	A15NW (N)	619	6	438654 409000
	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	A15NW (N)	624	6	438736 409000
	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	A14NE (N)	637	6	438506 409000
	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	A15NE (N)	700	6	439000 409000
	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	A14NW (NW)	725	6	438278 409000

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	A16SW (NE)	740	6	439470 408590
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9SE (W)	748	6	437659 408000
	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	A15NE (NE)	778	6	439164 409000
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A16SW (NE)	779	6	439520 408579
	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	A14NW (NW)	786	6	438139 409000
	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	A7SE (SE)	809	6	439147 407219

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 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	A14NW (NW)	818	6	438073 409000
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (W)	820	6	437579 408428
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A5SE (SW)	856	6	437870 407420
	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	A15NE (NE)	856	6	439292 409000
	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	A14NW (NW)	856	6	438000 409000
	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	A16SE (E)	900	6	439734 408522

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	A13NE (NW)	913	6	437888 409000
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A6SW (SW)	914	6	438000 407250
	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: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SE (E)	921	6	439839 408000
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A3NE (S)	954	6	439000 407041
	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	A5NW (SW)	980	6	437540 407663
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A3NW (S)	981	6	438654 407000

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	A12NE (E)	984	6	439769 408510
	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	A18SW (NW)	990	6	438079 409198
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: <15 mg/kg	A3NE (S)	995	6	439000 407000
	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: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A3NE (S)	1000	6	439038 407000
106	**BGS Recorded Mineral Sites** Site Name: Lower Cudworth Location: , Lower Cudworth, Cudworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 10190 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A11NW (NE)	195	5	438840 408515
107	**BGS Recorded Mineral Sites** Site Name: Well Street Location: Well Street, Cudworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37833 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (N)	281	5	438645 408661

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	**BGS Recorded Mineral Sites** Site Name: Knowles Location: , Cudworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13329 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (NW)	488	5	438240 408715
109	**BGS Recorded Mineral Sites** Site Name: Cudworth Bridge Location: , Cudworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109933 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	A9NE (W)	562	5	437825 408350
110	**BGS Recorded Mineral Sites** Site Name: Cudworth Junction Location: , Cudworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13328 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	A13SE (NW)	694	5	437865 408700
111	**BGS Recorded Mineral Sites** Site Name: Market Street Location: Market Street, Cudworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37834 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A15NW (N)	761	5	438945 409085
112	**BGS Recorded Mineral Sites** Site Name: Lund Wood Location: , Lundwood, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109934 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Glass Houghton Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A6SW (SW)	898	5	438073 407229
	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.	A11SW (NE)	0	7	438654 408153

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A11SW (NE)	0	-	438654 408153
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	5	438654 408153
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	52	5	438674 408429
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	5	438654 408153
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	3	5	438528 407996
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	63	5	438522 407932
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	5	438654 408153
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	3	5	438528 407996
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	63	5	438522 407932
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	5	438654 408153
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (W)	0	5	438509 408095
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	5	438654 408153
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	5	438522 408059
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (W)	0	5	438434 408113
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	59	5	438477 407969
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NE)	66	5	438762 408412
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (W)	100	5	438309 408090
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	120	5	438730 407871
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (E)	146	5	439051 408210
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	151	5	438984 407859

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A10SE (S)	181	5	438564 407868
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SW (SW)	182	5	438306 407945
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	5	438654 408153
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	3	5	438528 407996
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	63	5	438522 407932
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	0	5	438460 408071
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	5	438836 408244
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (W)	0	5	438509 408095
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	5	438654 408153
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	3	5	438528 407996
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10SE (W)	29	5	438368 408130
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	63	5	438448 407974
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	65	5	438522 407932
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (SW)	104	5	438348 408024
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	106	5	438763 408455
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10SW (W)	147	5	438290 408036
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SW (W)	211	5	438212 408037
	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	A11SW (NE)	0	5	438654 408153
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	5	438654 408153

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	**Contemporary Trade Directory Entries** Name: Oreass Location: 64, Lunn Road, Cudworth, Barnsley, South Yorkshire, S72 8DS Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11NW (N)	132	-	438692 408507
114	**Contemporary Trade Directory Entries** Name: Auto-Mate Location: 12, Abbey Farm View, Cudworth, Barnsley, South Yorkshire, S72 8SJ Classification: Automation Systems & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11NE (E)	173	-	438992 408270
115	**Contemporary Trade Directory Entries** Name: Adinsons Location: 32, Quarry Bank Close, Cudworth, Barnsley, South Yorkshire, S72 8BJ Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15SW (N)	184	-	438783 408530
116	**Contemporary Trade Directory Entries** Name: Neil Bassinder Location: 17, Field Drive, Cudworth, Barnsley, South Yorkshire, S72 8RH Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11NE (E)	272	-	439098 408267
117	**Contemporary Trade Directory Entries** Name: Feather Duster Location: 42, Birkwood Avenue, Cudworth, Barnsley, South Yorkshire, S72 8JA Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11SE (E)	329	-	439244 407946
118	**Contemporary Trade Directory Entries** Name: Rf Recovery Location: 11, Belmont, Cudworth, Barnsley, South Yorkshire, S72 8HZ Classification: Car Breakdown & Recovery Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (E)	418	-	439336 407991
119	**Contemporary Trade Directory Entries** Name: J I R Refrigeration Location: 24, Belmont, Cudworth, Barnsley, South Yorkshire, S72 8HX Classification: Refrigerators & Freezers - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (E)	426	-	439334 407905
120	**Contemporary Trade Directory Entries** Name: Dootson Motors Ltd Location: Barnsley Road, Cudworth, Barnsley, South Yorkshire, S72 8UU Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned in the proximity of the address	A14SE (NW)	479	-	438362 408763
121	**Contemporary Trade Directory Entries** Name: Wilson Motors Location: 161, Barnsley Road, Cudworth, Barnsley, South Yorkshire, S72 8UL Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (N)	525	-	438495 408880
121	**Contemporary Trade Directory Entries** Name: Go Mobility Ltd Location: 166, Barnsley Road, Cudworth, Barnsley, South Yorkshire, S72 8UT Classification: Disability Equipment - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (N)	541	-	438452 408882
121	**Contemporary Trade Directory Entries** Name: Auto Shine Location: 171, Barnsley Road, Cudworth, Barnsley, South Yorkshire, S72 8UL Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (N)	546	-	438519 408909
122	**Contemporary Trade Directory Entries** Name: Northernlands Skip Hire Location: Tumbling Lane, Barnsley, South Yorkshire, S71 5SA Classification: Coal & Smokeless Fuel Merchants & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (NW)	562	-	437896 408522

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	**Contemporary Trade Directory Entries** Name: F1 Bodyshop Location: Jackson St, Cudworth, Barnsley, South Yorkshire, S72 8UR Classification: Car Body Repairs **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A14NE (N)	581	-	438399 408902
124	**Contemporary Trade Directory Entries** Name: Chr Location: Bloemfontein St, Cudworth, Barnsley, South Yorkshire, S72 8UN Classification: Classic Car Specialists **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A14NE (N)	600	-	438486 408956
125	**Contemporary Trade Directory Entries** Name: Bailey Location: Tumbling La, Barnsley, South Yorkshire, S71 5SA Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NE (NW)	600	-	437844 408509
126	**Contemporary Trade Directory Entries** Name: J & P Joinery Location: 46a, Crown Avenue, Cudworth, Barnsley, South Yorkshire, S72 8RX Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SE)	601	-	439406 407644
127	**Contemporary Trade Directory Entries** Name: Northland Location: Tumbling Lane,Burton Rd, Barnsley, South Yorkshire, S71 5RS Classification: Coal Companies **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (NW)	670	-	437814 408596
127	**Contemporary Trade Directory Entries** Name: Ogley Location: Westgreen Garage, Burton Road, Barnsley, South Yorkshire, S71 5RS Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (NW)	673	-	437794 408571
127	**Contemporary Trade Directory Entries** Name: A A Ogley Location: Westgreen Garage, Burton Road, Barnsley, South Yorkshire, S71 5RS Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (NW)	673	-	437794 408571
128	**Contemporary Trade Directory Entries** Name: Bad Bats Location: 20, East View, Cudworth, Barnsley, South Yorkshire, S72 8LR Classification: Bus & Coach Operators & Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15NW (N)	734	-	438971 409048
129	**Contemporary Trade Directory Entries** Name: Marco Garages Location: A, 339, Burton Road, Barnsley, South Yorkshire, S71 5RS Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (NW)	759	-	437699 408575
130	**Contemporary Trade Directory Entries** Name: How Clean Location: 258, Barnsley Road, Cudworth, Barnsley, South Yorkshire, S72 8SU Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15NW (N)	792	-	438690 409172
131	**Contemporary Trade Directory Entries** Name: Nu-Look Location: 12, Snydale Road, Cudworth, Barnsley, South Yorkshire, S72 8JR Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A15NW (N)	823	-	438868 409176
131	**Contemporary Trade Directory Entries** Name: Ironing For You Location: 9, Market Street, Cudworth, Barnsley, South Yorkshire, S72 8LN Classification: Ironing & Home Laundry Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (N)	858	-	438908 409201

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	**Contemporary Trade Directory Entries** Name: Demmex Marketing Ltd Location: 19, School Hill, Cudworth, Barnsley, South Yorkshire, S72 8LJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (N)	860	-	438874 409212
132	**Contemporary Trade Directory Entries** Name: D M C Autos Location: Burton Rd, Barnsley, South Yorkshire, S71 5RP Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	871	-	437558 408532
133	**Contemporary Trade Directory Entries** Name: C L Marshall Location: 49, Lund Avenue, Barnsley, South Yorkshire, S71 5NW Classification: Damp & Dry Rot Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A5SE (SW)	907	-	437747 407482
134	**Contemporary Trade Directory Entries** Name: Homestyle Interiors Location: 288, Barnsley Road, Cudworth, Barnsley, South Yorkshire, S72 8SY Classification: Fireplaces & Mantelpieces **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (N)	921	-	438862 409278
134	**Contemporary Trade Directory Entries** Name: Victoria Garage Location: Barnsley Road, Cudworth, Barnsley, South Yorkshire, S72 8SY Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (N)	927	-	438875 409281
134	**Contemporary Trade Directory Entries** Name: G.L. Refinishing Location: Barnsley Road, Cudworth, Barnsley, South Yorkshire, S72 8SY Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (N)	927	-	438875 409281
135	**Contemporary Trade Directory Entries** Name: Arctic Purification Location: Paddock Gr, Cudworth, Barnsley, South Yorkshire, S72 8GF Classification: Filter Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A15NE (NE)	928	-	439205 409152
136	**Contemporary Trade Directory Entries** Name: Dw Cleaning Location: 30, Belle Green Lane, Cudworth, Barnsley, South Yorkshire, S72 8LU Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (N)	947	-	439072 409237
137	**Contemporary Trade Directory Entries** Name: A Cherry Location: 33, Lund Avenue, Barnsley, South Yorkshire, S71 5NW Classification: Coal & Smokeless Fuel Merchants & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A5SE (SW)	987	-	437725 407382

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	**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	A10SE (SW)	0	8	438596 408103
139	**Local Nature Reserves** Name: Carlton Marsh Multiple Area: N Area (m2): 277133.47 Source: Natural England Designation Date: 28th March 2012	A14NW (NW)	1000	9	438030 409184
140	**Nitrate Vulnerable Zones** Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A11SW (NE)	0	10	438654 408153

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	July 2013	Annual Rolling Update
Doncaster Metropolitan Borough Council - Environmental Services	November 2012	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Discharge Consents		
Environment Agency - North East Region	August 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	August 2014	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	April 2014	Annual Rolling Update
Doncaster Metropolitan Borough Council - Environmental Services	June 2014	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	June 2014	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	April 2014	Annual Rolling Update
Doncaster Metropolitan Borough Council - Environmental Services	June 2014	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	June 2014	Annual Rolling Update
Rotherham Metropolitan Borough Council - Planning Department	March 2013	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	April 2014	Annual Rolling Update
Doncaster Metropolitan Borough Council - Environmental Services	June 2014	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	June 2014	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	August 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	August 2014	Quarterly
Environment Agency - North East Region - Yorkshire Area	August 2014	Quarterly
Water Abstractions		
Environment Agency - North East Region	July 2014	Quarterly
Water Industry Act Referrals		
Environment Agency - North East Region	August 2014	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable

Agency & Hydrological	Version	Update Cycle
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	April 2014	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	May 2014	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	May 2014	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	May 2014	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	May 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	May 2014	Quarterly
Environment Agency - North East Region - Yorkshire Area	May 2014	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	July 2014	Quarterly
Environment Agency - North East Region - Yorkshire Area	July 2014	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North East Region - Ridings Area	May 2014	Quarterly
Environment Agency - North East Region - Yorkshire Area	May 2014	Quarterly
Local Authority Landfill Coverage		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2000	Not Applicable
Doncaster Metropolitan Borough Council - Environmental Services	May 2000	Not Applicable
Wakefield City Metropolitan District Council - Environmental Health	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2000	Not Applicable
Doncaster Metropolitan Borough Council - Environmental Services	May 2000	Not Applicable
Wakefield City Metropolitan District Council - Environmental Health	May 2000	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	April 2013	Annual Rolling Update
Wakefield City Metropolitan District Council	February 2013	Annual Rolling Update
Barnsley Metropolitan Borough Council - Planning Department	October 2013	Annual Rolling Update
Planning Hazardous Substance Consents		
Doncaster Metropolitan Borough Council	April 2013	Annual Rolling Update
Wakefield City Metropolitan District Council	February 2013	Annual Rolling Update
Barnsley Metropolitan Borough Council - Planning Department	October 2013	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	Annually
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	April 2014	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	June 2014	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2014	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	May 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 Wakefield City Metropolitan District Council	 August 2014 August 2014 August 2014	 As notified As notified As notified
Areas of Unadopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Doncaster Metropolitan Borough Council Wakefield City Metropolitan District Council	 August 2014 August 2014 August 2014	 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	March 2014	Bi-Annually
Marine Nature Reserves Natural England	July 2013	Bi-Annually
National Nature Reserves Natural England	March 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)	July 2014	Annually
Ramsar Sites Natural England	March 2014	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2014	Bi-Annually
Special Areas of Conservation Natural England	March 2014	Bi-Annually
Special Protection Areas Natural England	March 2014	Bi-Annually

Data Suppliers

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	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards** Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
4	**Rotherham Metropolitan Borough Council - Planning Department** Bailey House, Rawmarsh Road, Rotherham, South Yorkshire, S60 1QT	Website: www.rotherham.gov.uk
5	**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
6	**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
7	**The Coal Authority - Mining Report Service** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
8	**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
9	**Natural England** Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	**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.

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Cenozoic - Cenozoic
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
		Faults		

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay and Silt	Flandrian - Flandrian
	TILMP	Till, Mid Pleistocene	Diamicton	Ipswichian - Cromerian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Ipswichian - Cromerian
	HEAD	Head	Diamicton	Quaternary - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	GH	Glass Houghton Rock	Sandstone	Bolsovian - Bolsovian
	MXR	Mexborough Rock	Sandstone	Bolsovian - Bolsovian
	ACR	Ackton Rock	Sandstone	Bolsovian - Bolsovian
	PUCM	Pennine Upper Coal Measures Formation	Mudstone, Siltstone and Sandstone	Westphalian D - Bolsovian
	AR	Ackworth Rock	Sandstone	Bolsovian - Bolsovian
	PUCM	Pennine Upper Coal Measures Formation	Sandstone	Westphalian D - Bolsovian
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Bolsovian - Duckmantian
	PMCM	Pennine Middle Coal Measures Formation	Sandstone	Bolsovian - Duckmantian
	OR	Oaks Rock	Sandstone	Duckmantian - Duckmantian
		Rock Segments		

Geology 1:50,000 Maps

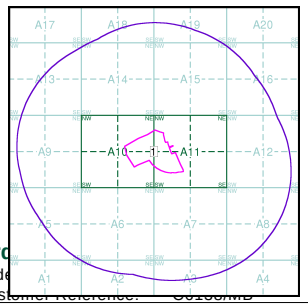
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	087
Map Name:	Barnsley
Map Date:	2008
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Not Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

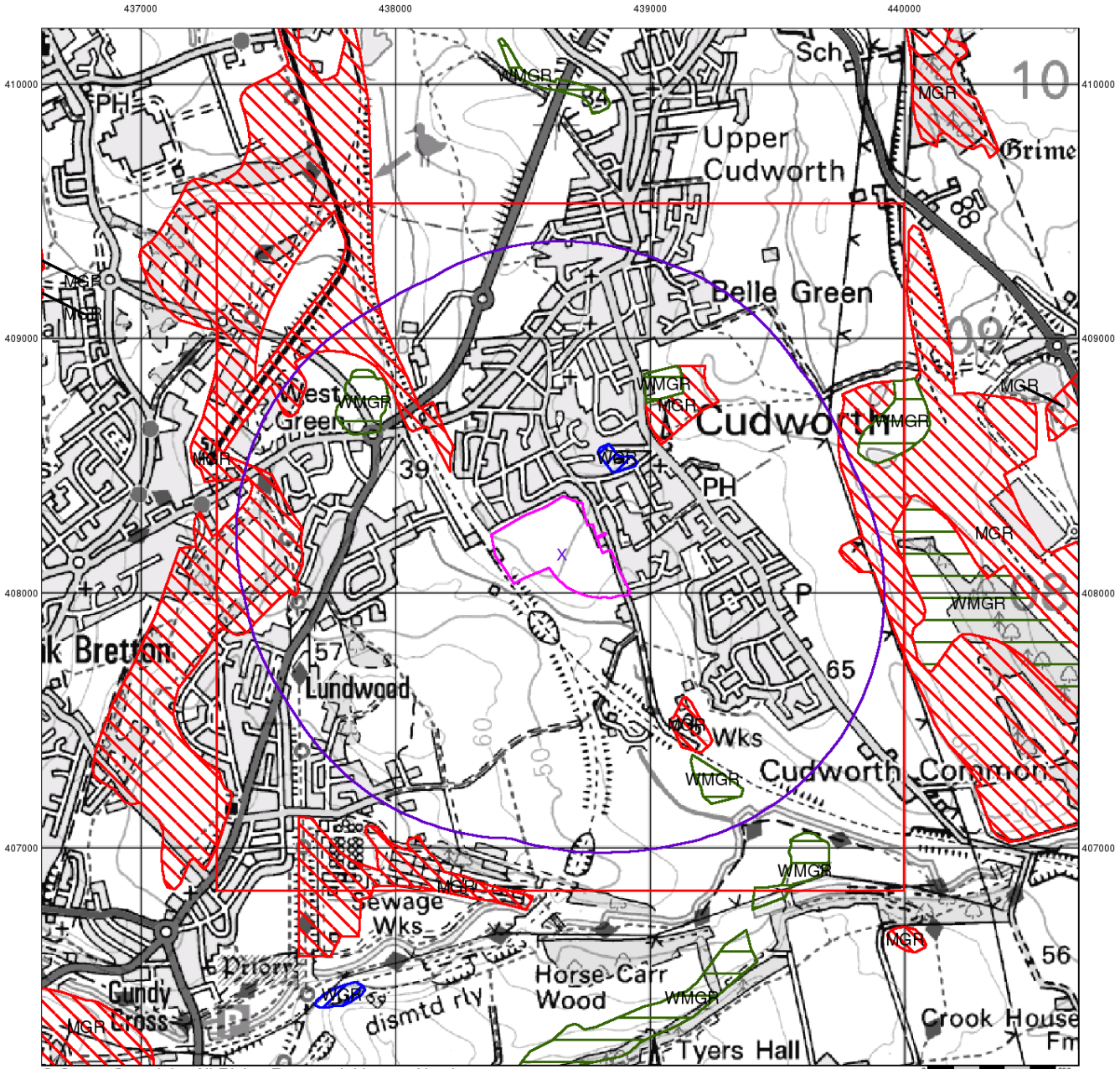


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Customer Reference: [illegible]
National Grid Reference: 438650, 408150
Slice: A
Site Area (Ha): 12.41
Search Buffer (m): 1000

Site Details:

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Artificial Ground and Landslip

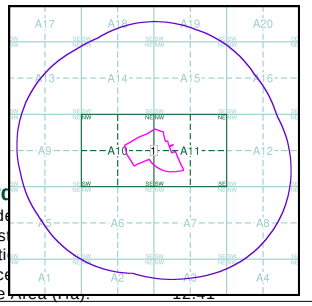
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A

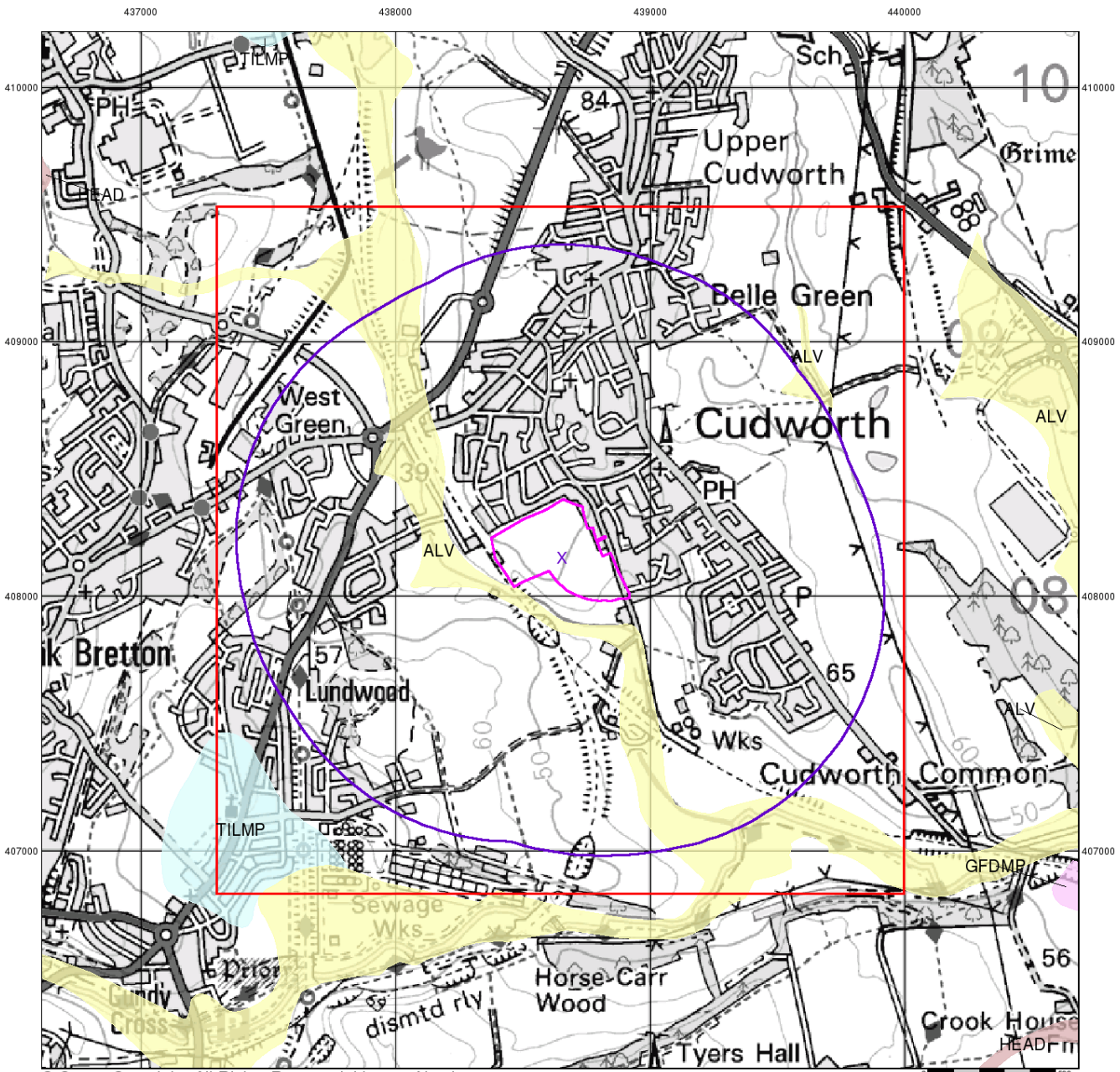


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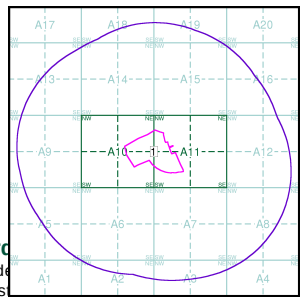
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



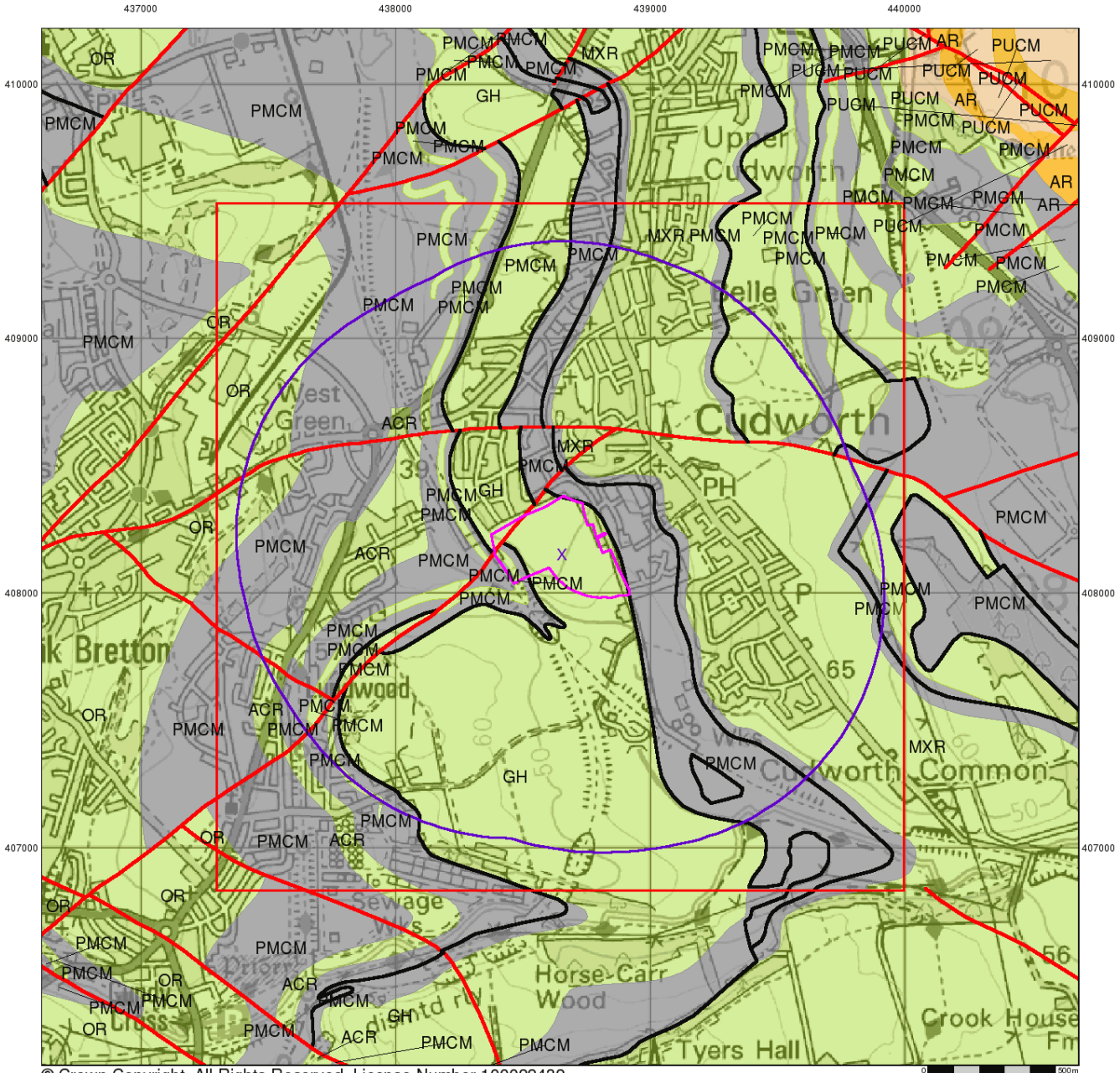
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Slice: A
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Bedrock and Faults

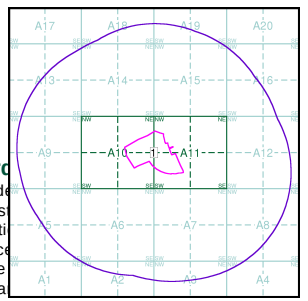
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A

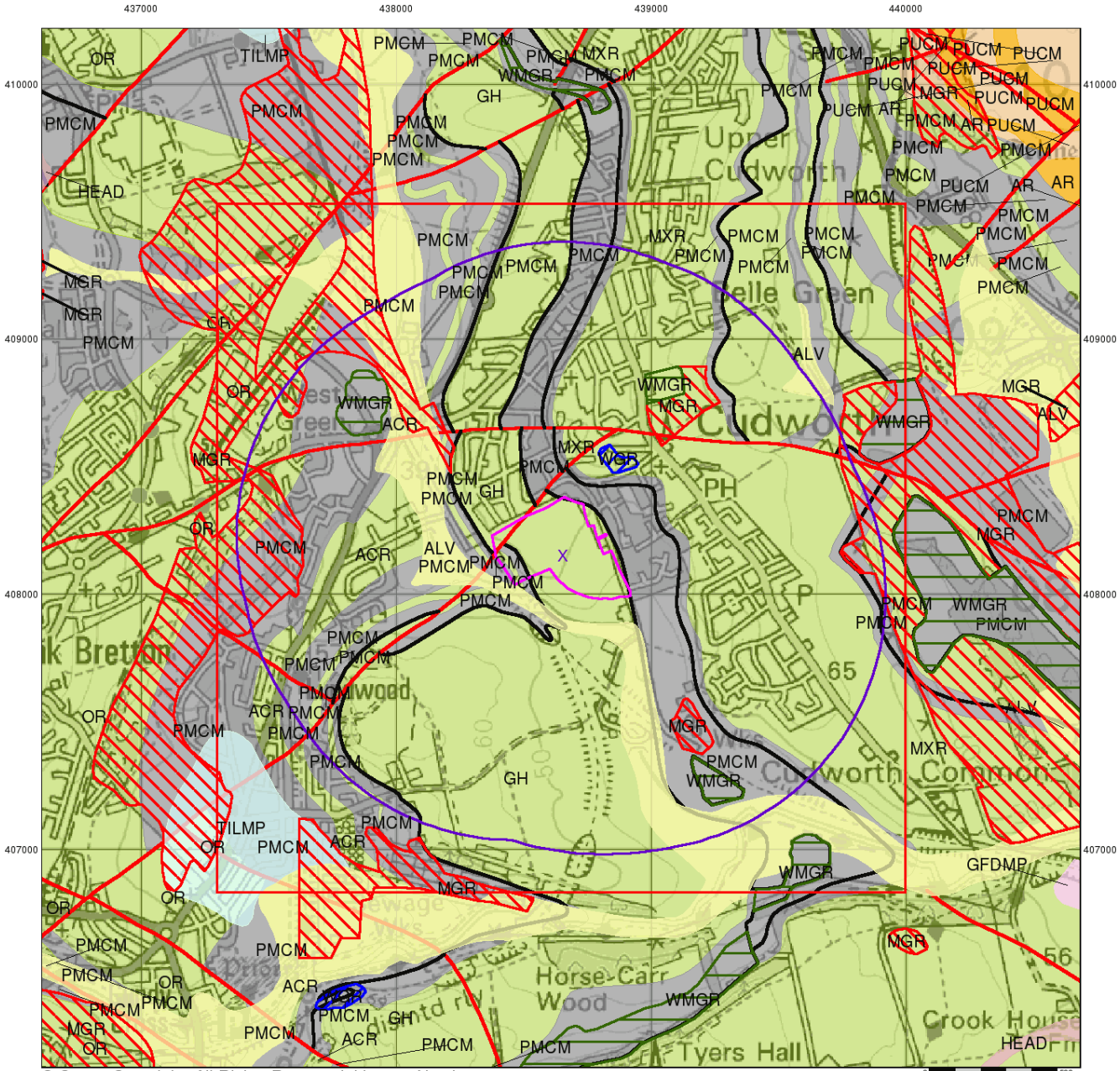


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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

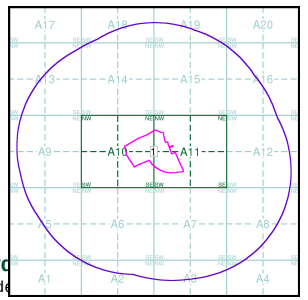
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



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Groundwater Vulnerability

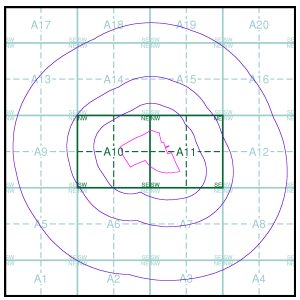
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



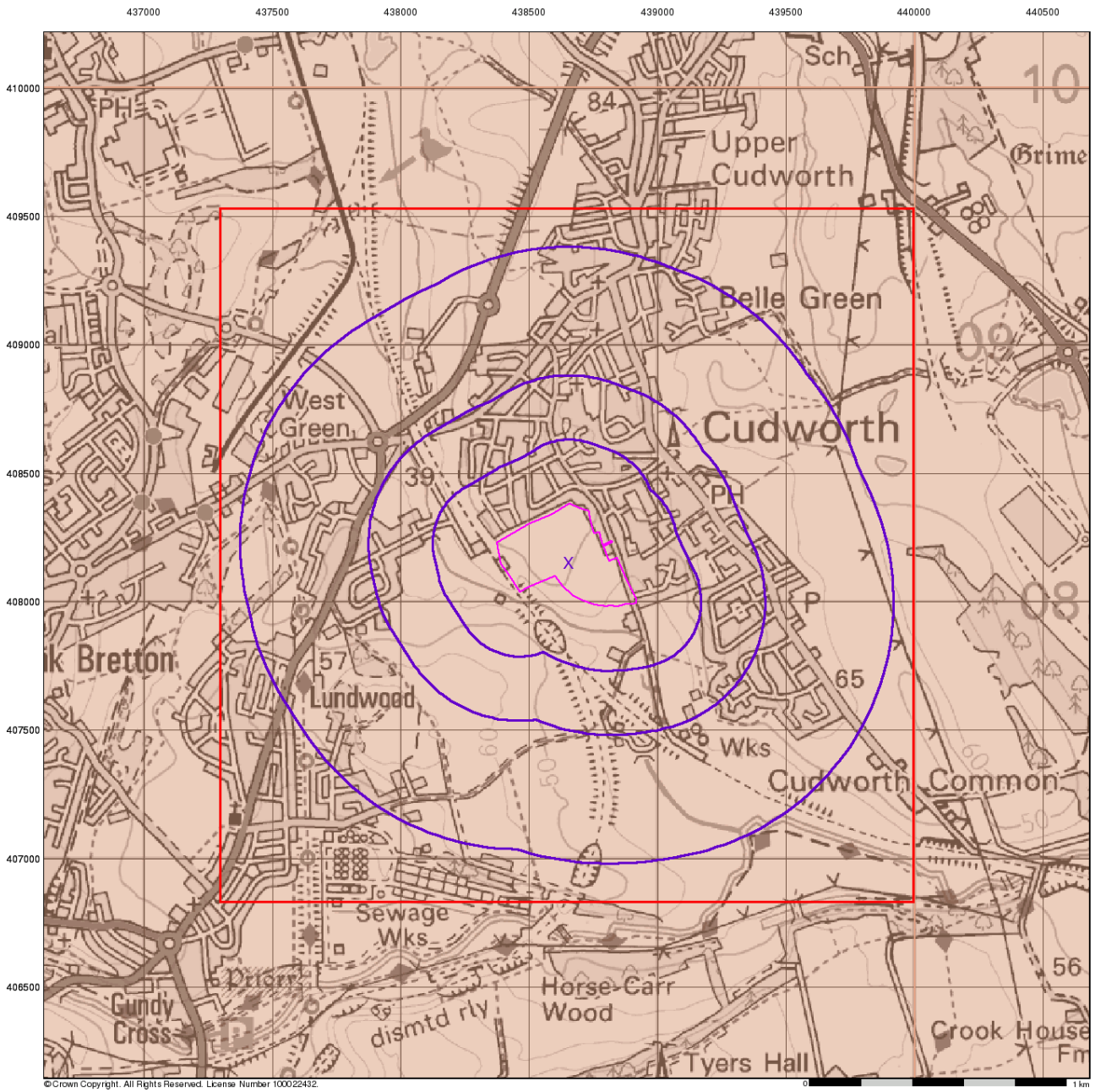
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National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
Search Buffer (m):	1000

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Bedrock Aquifer Designation

General

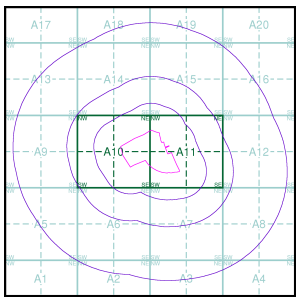
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



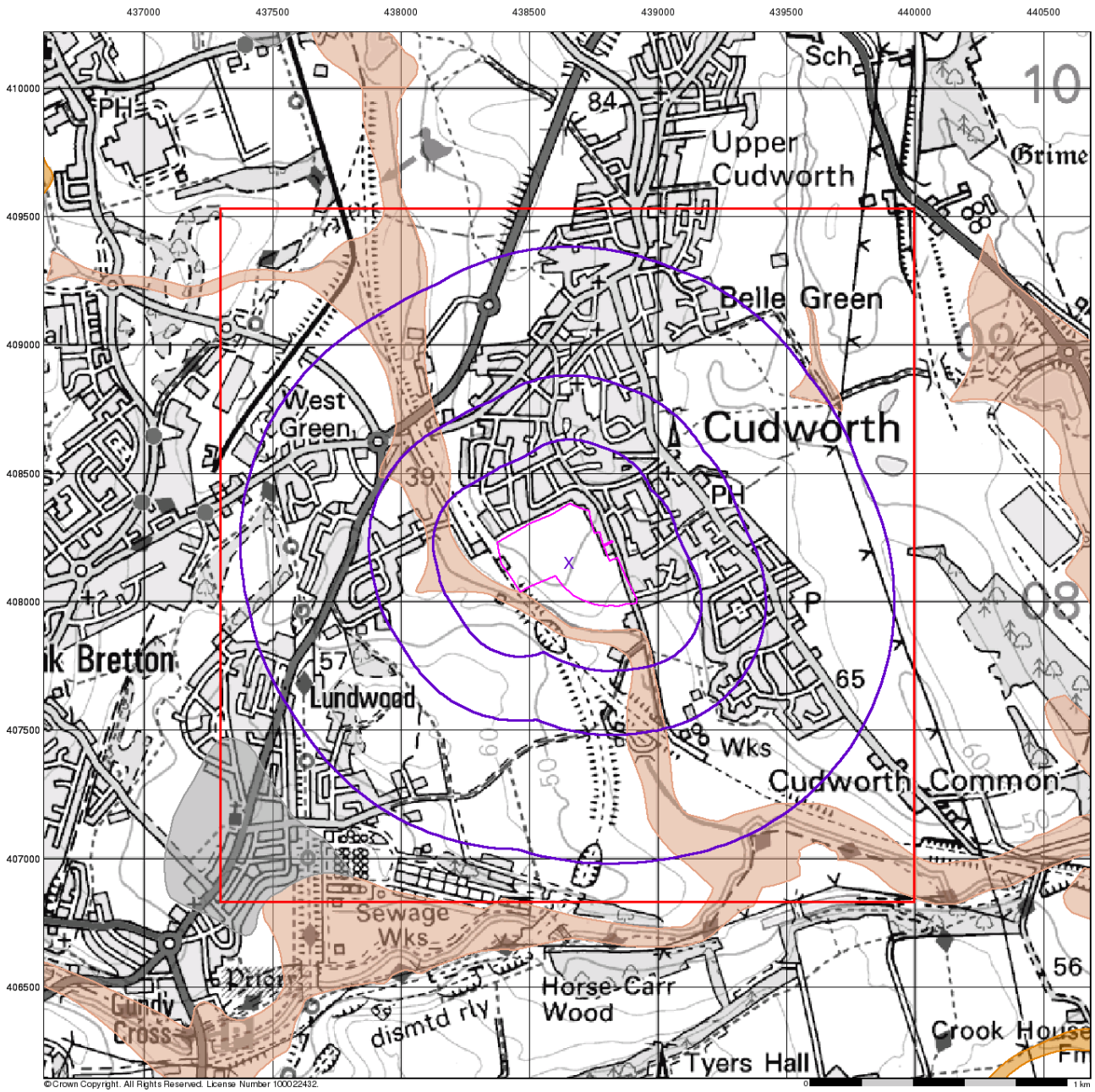
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Site Area (Ha):	12.41
Search Buffer (m):	1000

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Superficial Aquifer Designation

General

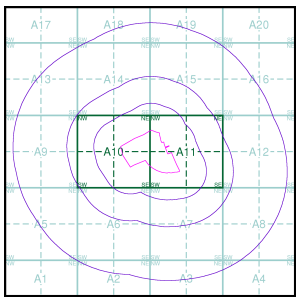
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



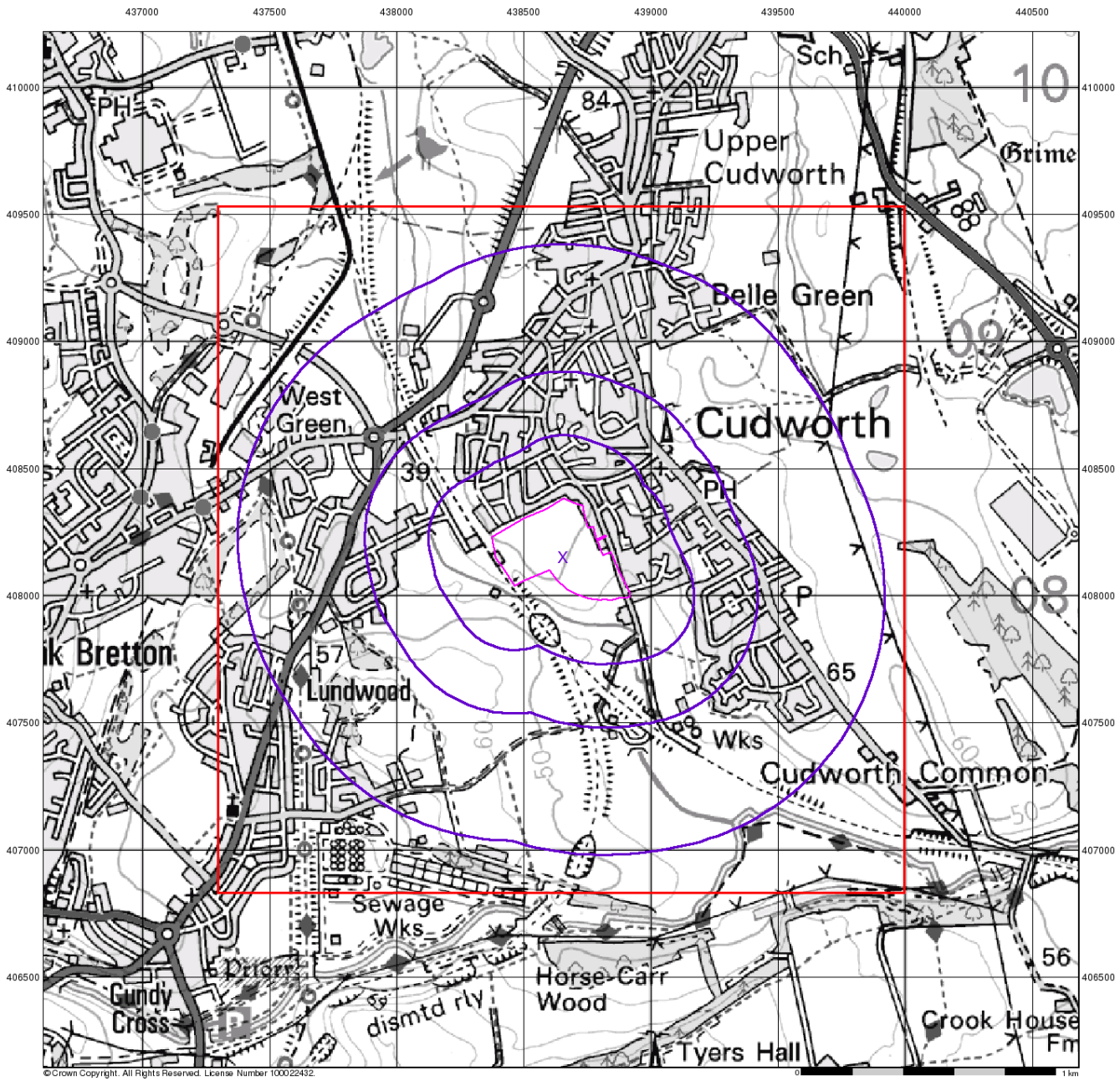
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Source Protection Zones

General

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

Slice | Map ID

Agency and Hydrological

Source Protection Zone I

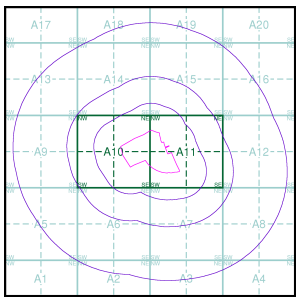
Source Protection Zone II

Source Protection Zone III

Zone of Special Interest

Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



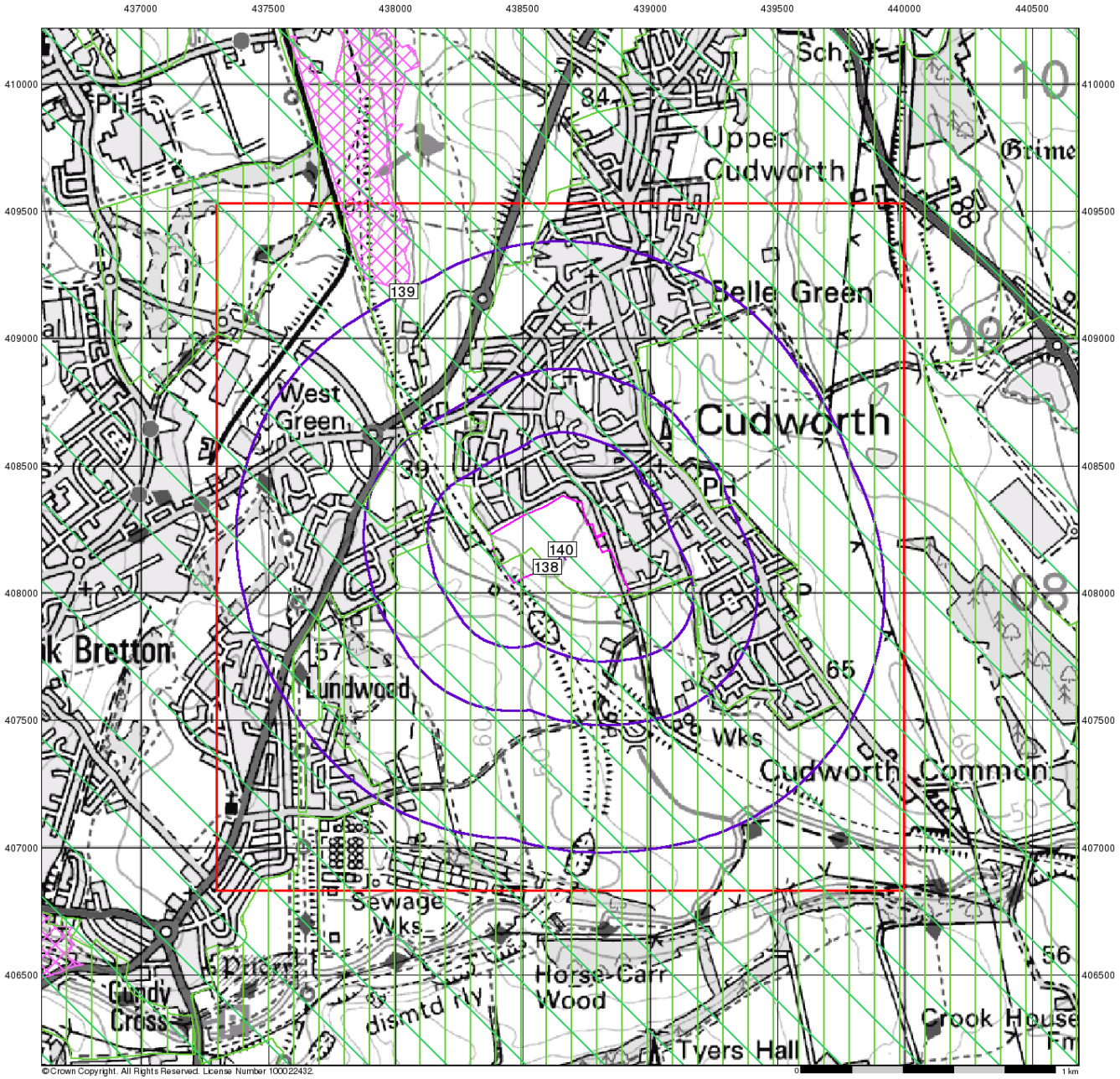
Order Details

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Sensitive Land Uses

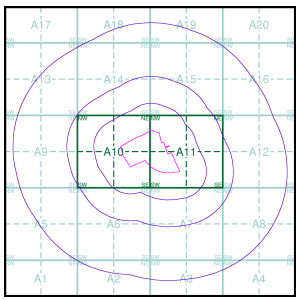
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



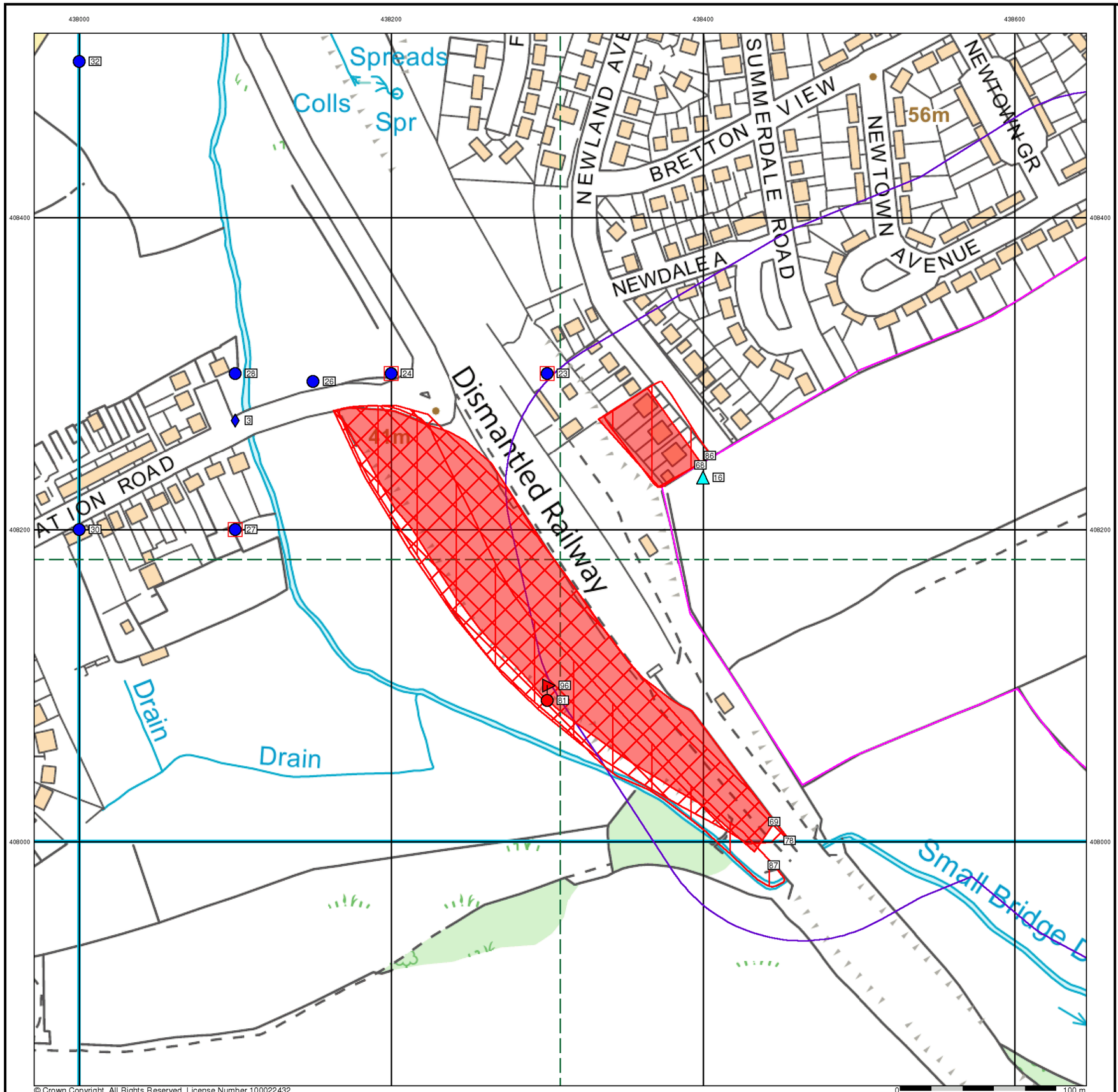
Order Details

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Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
Search Buffer (m):	1000

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0 100 m

General

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

Several of Type at Location

Agency and Hydrological

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

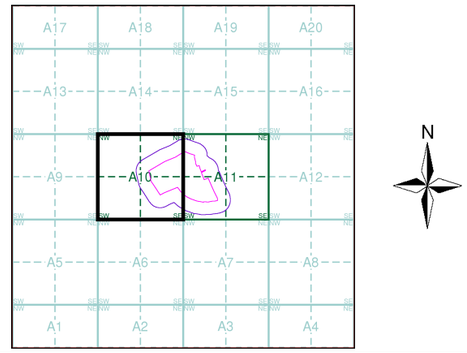
Waste

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

Hazardous Substances

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

Site Sensitivity Map - Segment A10



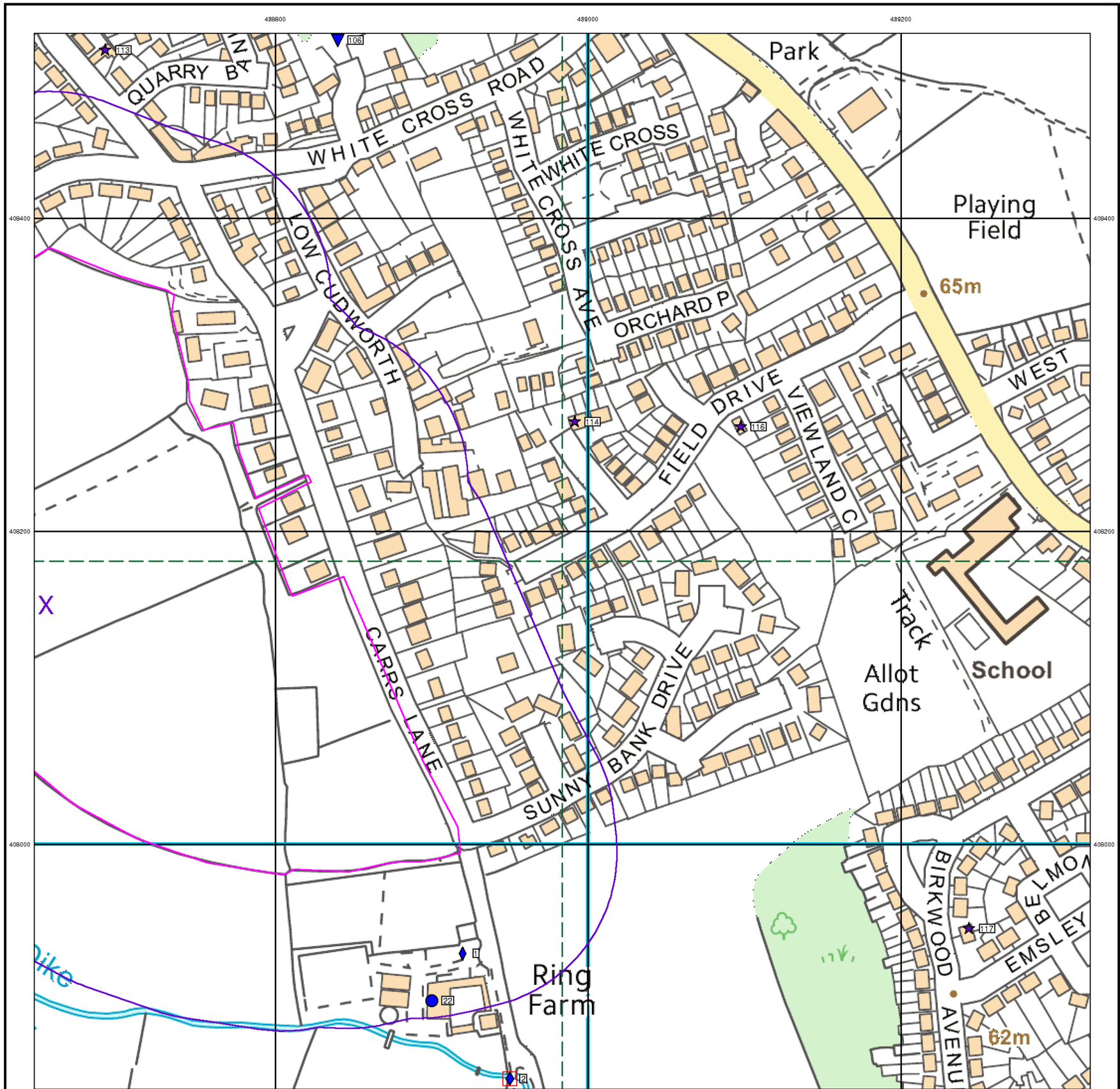
Order Details

Order Number:	59383606_1_1
Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41

Site Details

Carrs Lane, Cudworth, Barnsley

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



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General

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

Agency and Hydrological

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

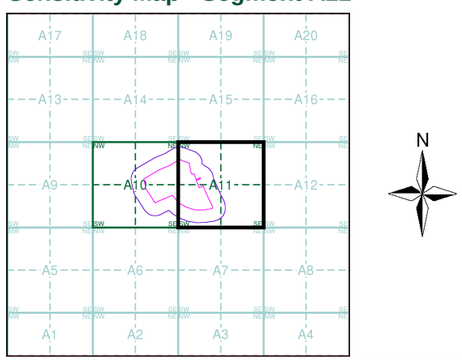
Waste

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

Hazardous Substances

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

Site Sensitivity Map - Segment A11



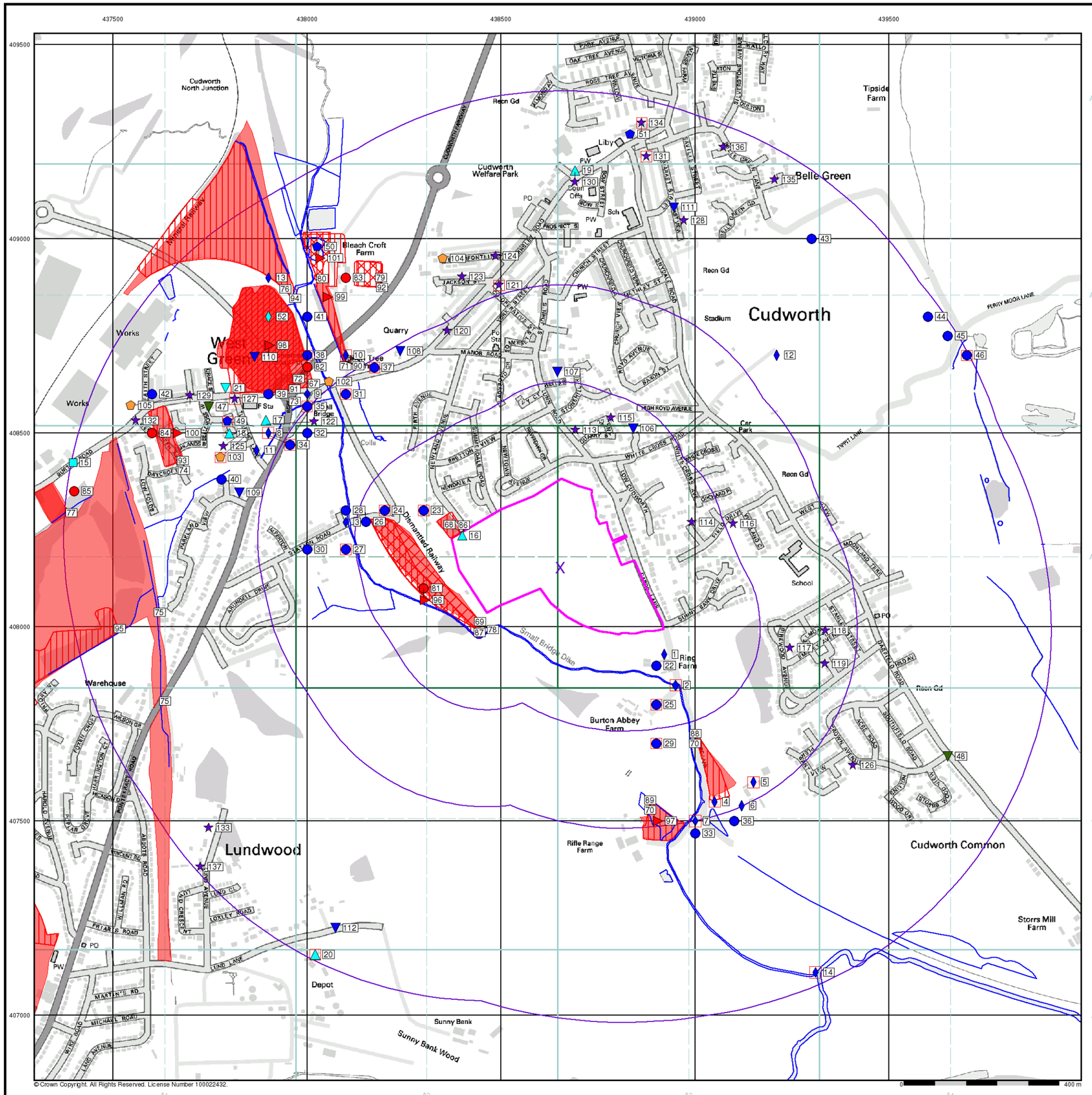
Order Details

Order Number:	59383606_1_1
Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41

Site Details

Carrs Lane, Cudworth, Barnsley

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Web: www.envirocheck.co.uk



General

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

Agency and Hydrological

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

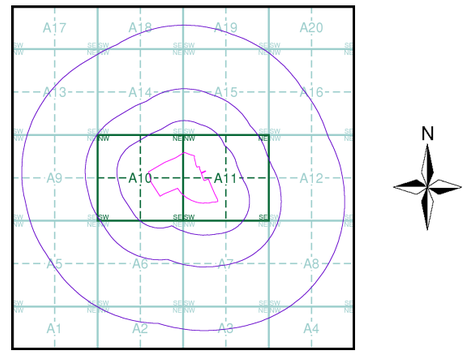
Waste

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

Hazardous Substances

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

Site Sensitivity Map - Slice A



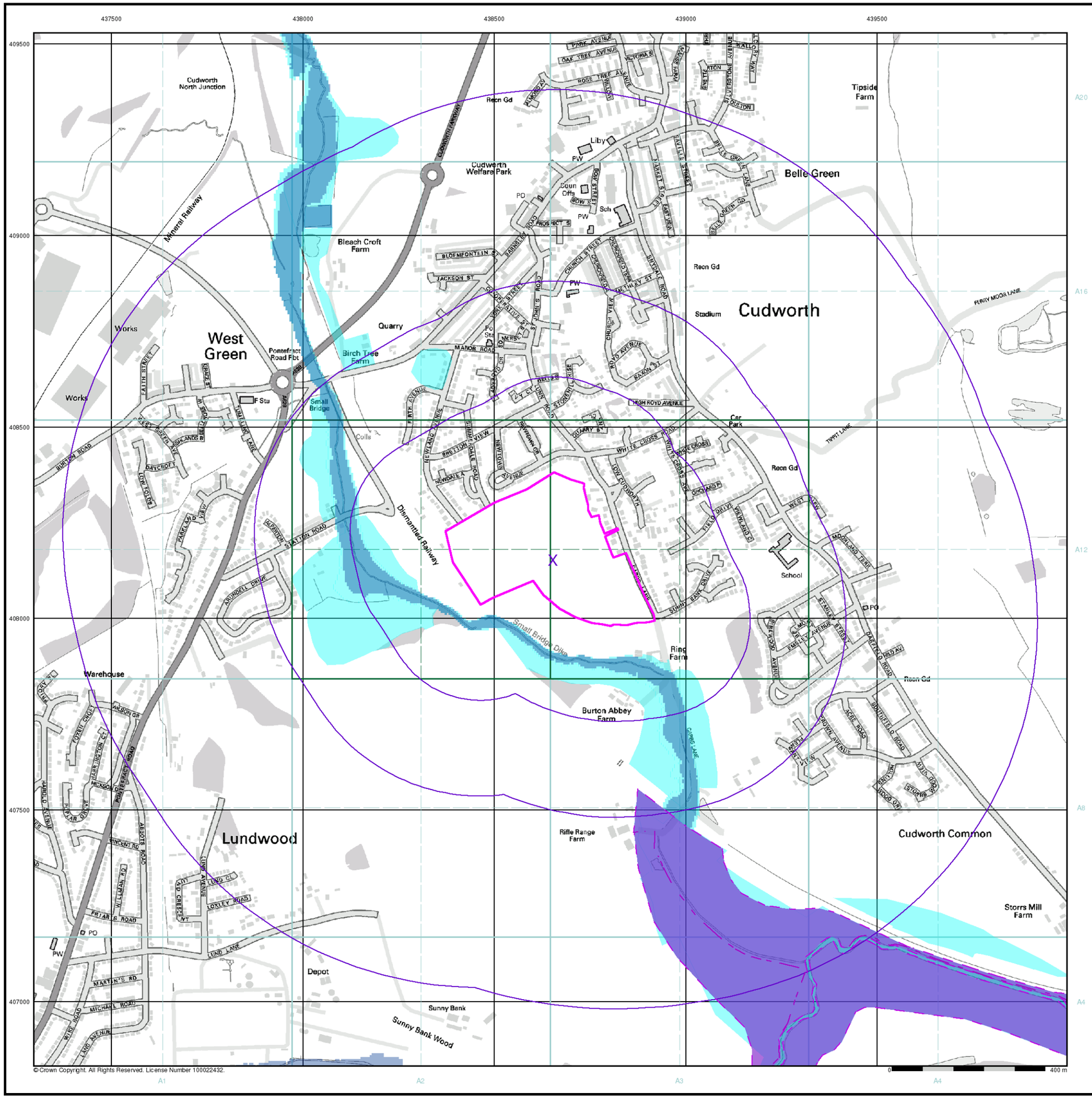
Order Details

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Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
Search Buffer (m):	1000

Site Details

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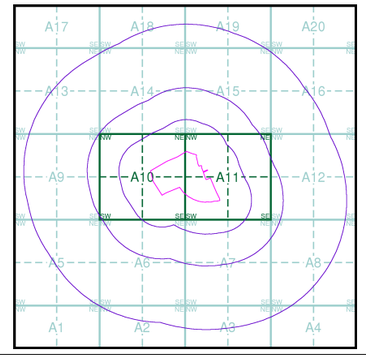
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



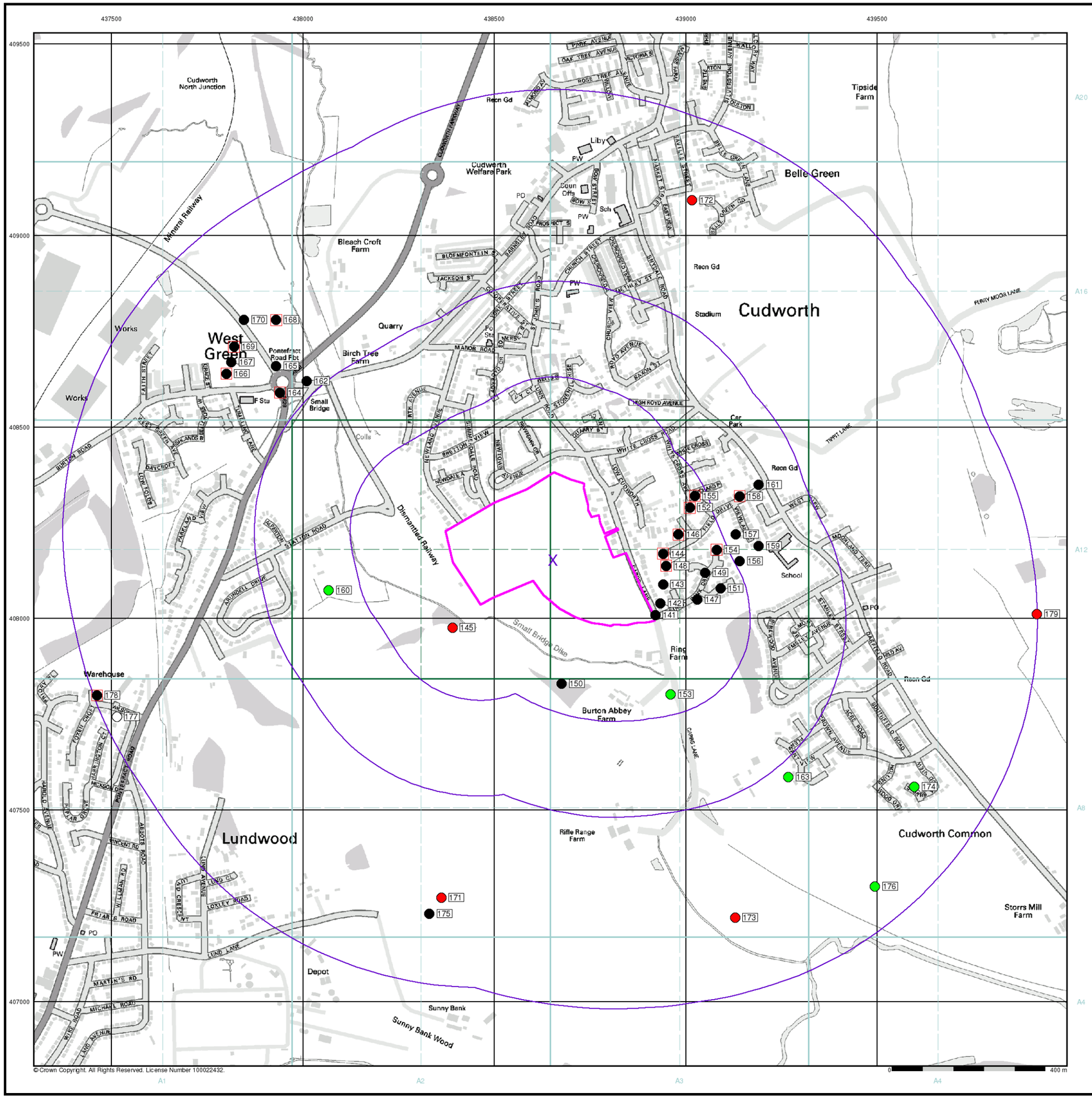
Order Details

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Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
Search Buffer (m):	1000

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General

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

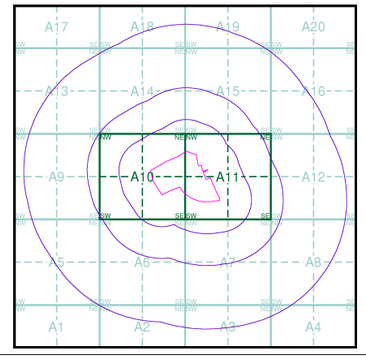
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



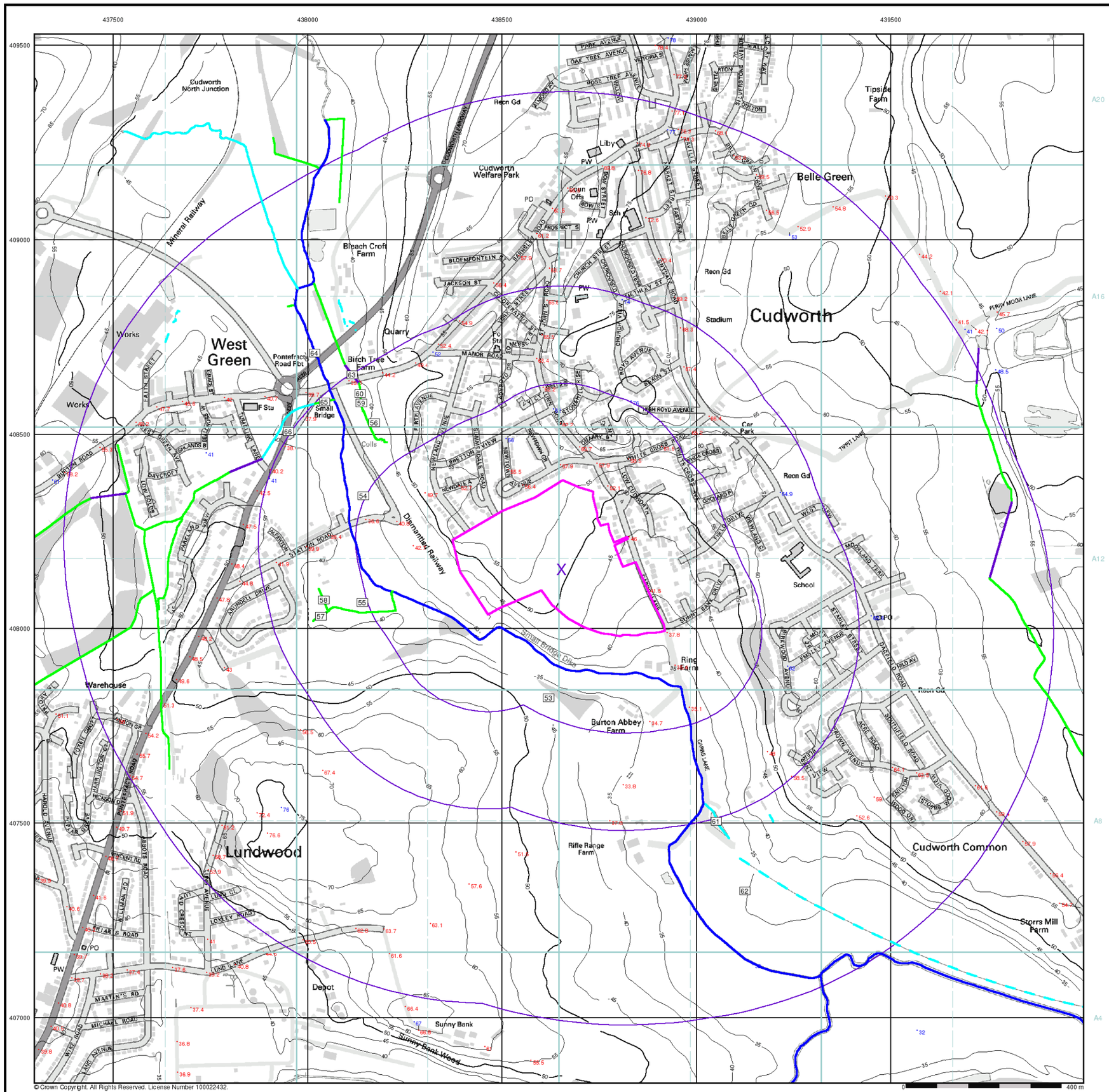
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Order Number:	59383606_1_1
Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
Search Buffer (m):	1000

Site Details

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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)

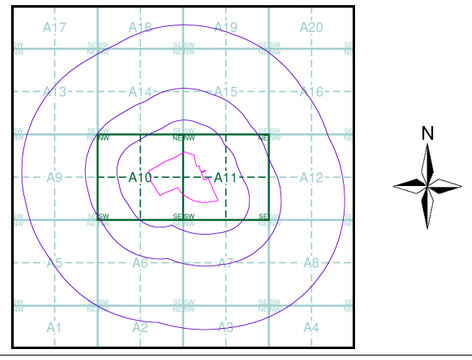
Standard Contour — 105 — 100 — 95

Index Contour

167.3 Spot Height

45.8 Air Height

EA Detailed River Network Map - Slice A



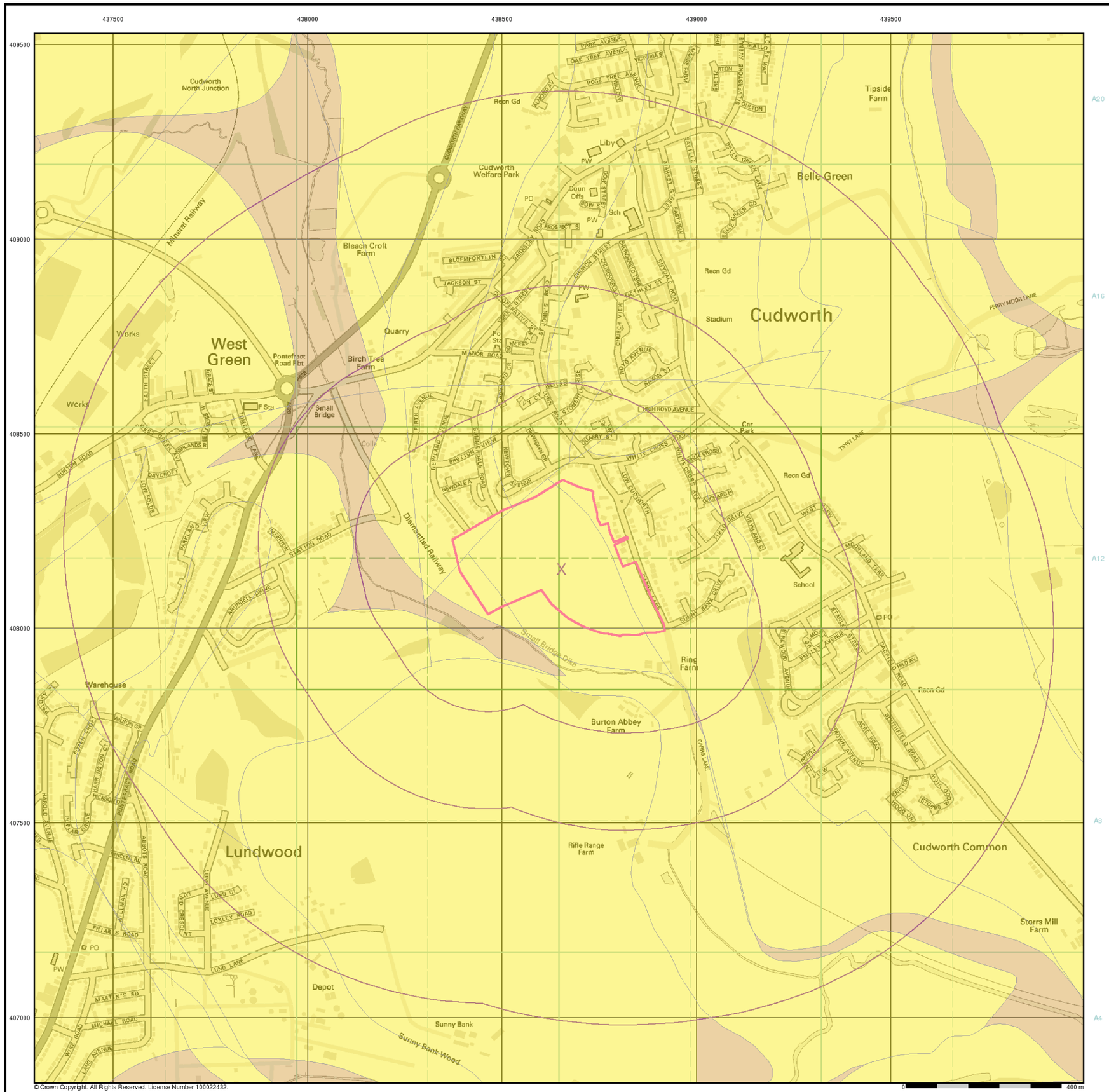
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Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
Search Buffer (m):	1000

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General

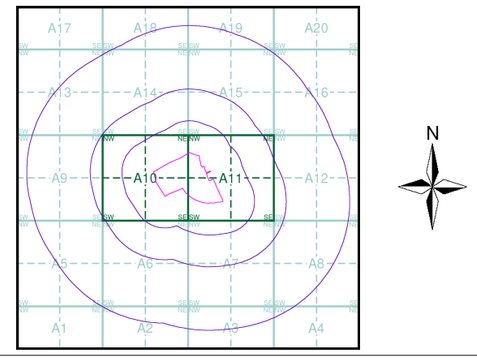
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details:	59383606_1_1
Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
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Search Buffer (m):	1000

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General

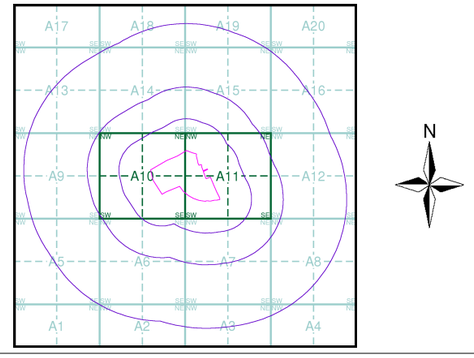
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

	< 1.8
	1.8 - 2.2
	2.2 - 3.0
	> 3.0

Estimated Soil Chemistry Cadmium - Slice A



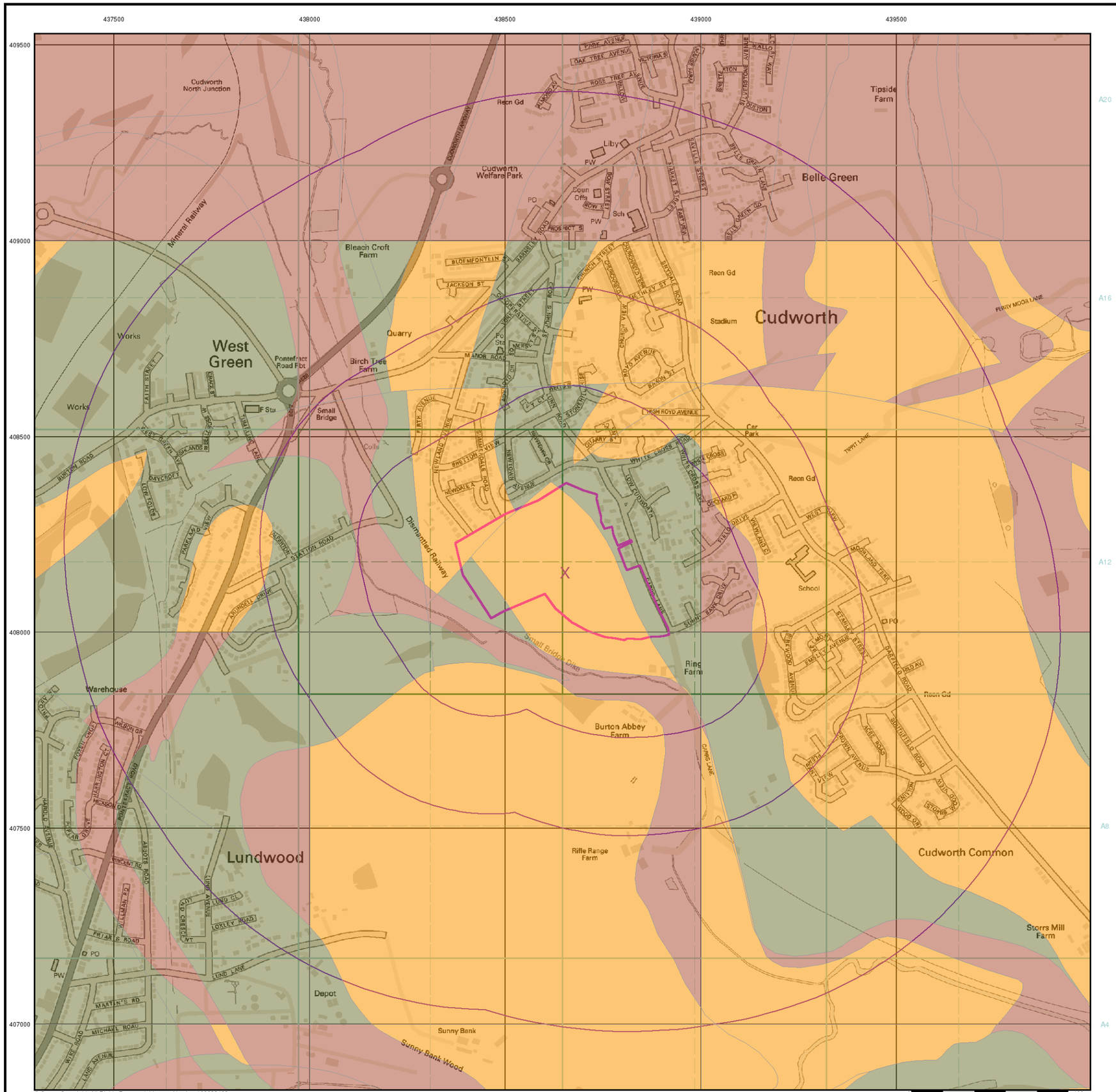
Order Details

Order Details:	59383606_1_1
Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
Search Buffer (m):	1000

Site Details

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General

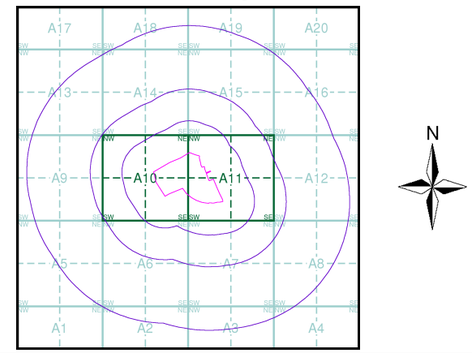
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details:	59383606_1_1
Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
Search Buffer (m):	1000

Site Details

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General

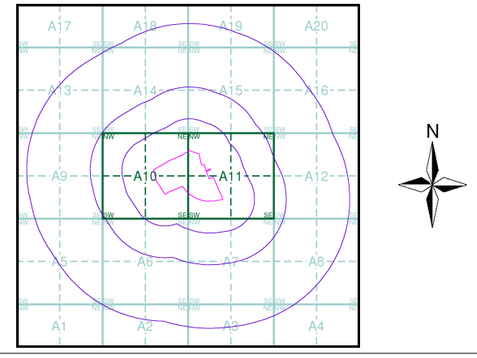
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- < 150
- 150 - 300
- 300 - 600
- 600 - 900
- > 900

Estimated Soil Chemistry Lead - Slice A



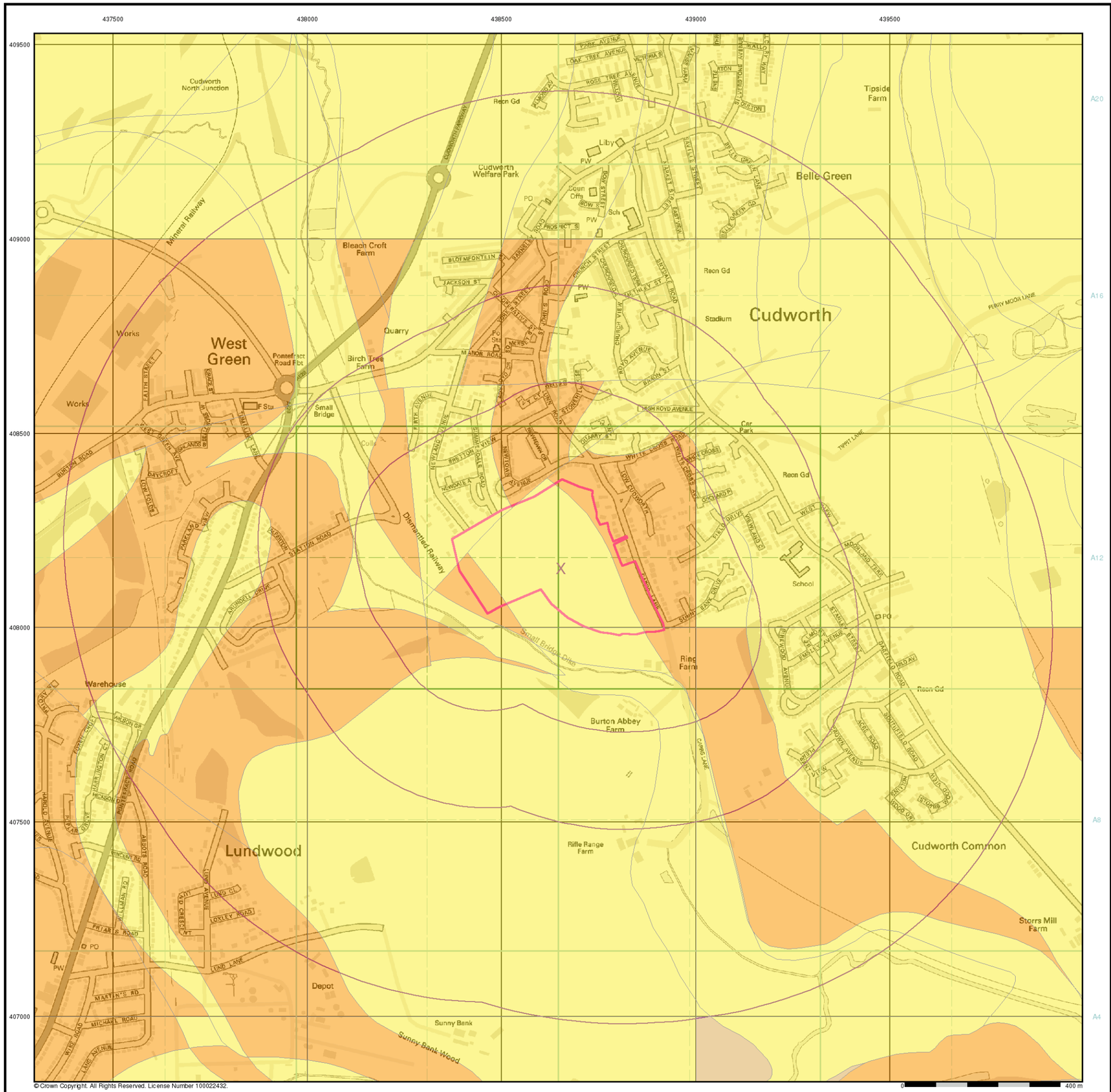
Order Details

Order Details:	59383606_1_1
Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
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General

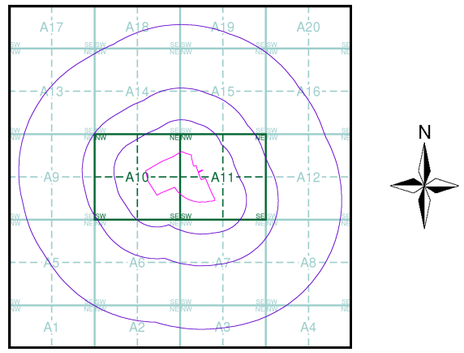
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



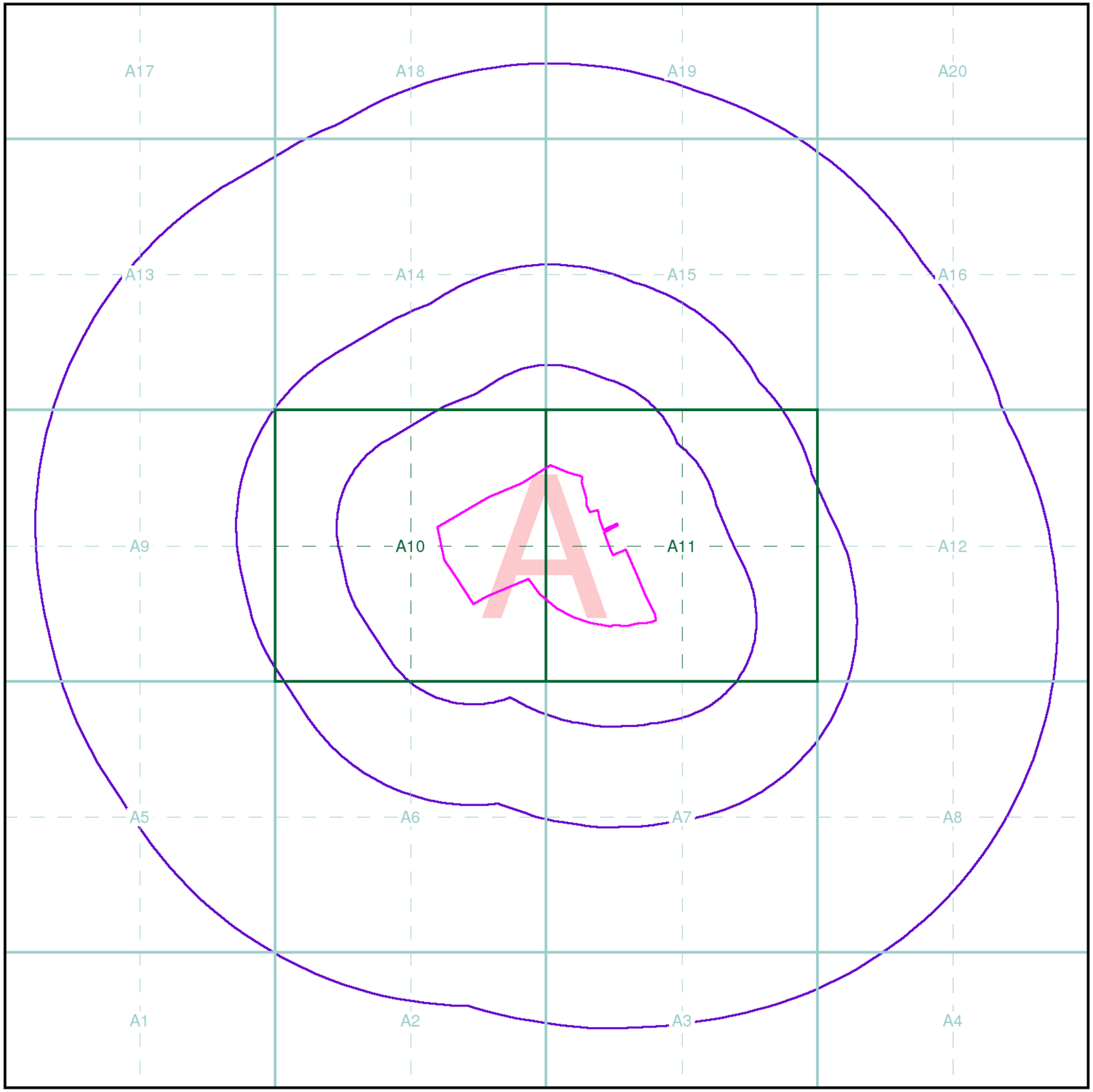
Order Details

Order Details:	59383606_1_1
Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
Search Buffer (m):	1000

Site Details

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Index Map

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

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

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

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

A selection of organisations who provide data within this report:

Ordnance Survey Licensed Partner

British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL

Environment Agency

NATURAL ENGLAND

Envirocheck reports are compiled from 136 different sources of data.

Client Details

P Coulson, Sirius Geotechnical & Environmental Ltd, 4245 Park Approach, Thorpe Park, Leeds, LS15 8GB

Order Details

Order Number:	59383606_1_1
Customer Ref:	C6138/MB
National Grid Reference:	438640, 408170
Site Area (Ha):	12.41
Search Buffer (m):	1000

Site Details

Carrs Lane, Cudworth, Barnsley

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http://www.landmarkinfo.co.uk/Terms/Show/515

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Historical Mappin□ Le□ends

□rdnance Survey County Series 1□10,□60

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

□rdnance Survey Plan 1□10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1□10,000 □aster Mappin□

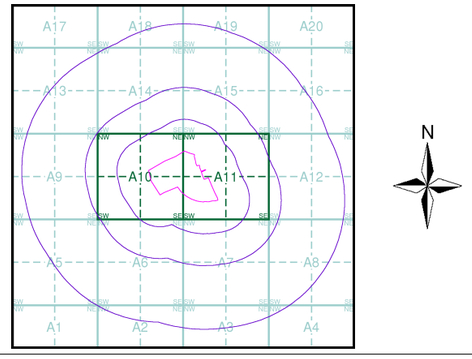
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or 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
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m 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

sirius

Historical Mappin□ & Photo□raphy included□

Mappin□ Type	Scale	Date	P□
□or□shire	1□10,□60	18□4	2
□or□shire	1□10,□60	18□4	3
□or□shire	1□10,□60	1□06 □1□0□	4
□or□shire	1□10,□60	1□32 □1□33	□
□or□shire	1□10,□60	1□38	6
□or□shire	1□10,□60	1□38	□
□or□shire	1□10,□60	1□48	8
□rdnance Survey Plan	1□10,000	1□□□	□
□rdnance Survey Plan	1□10,000	1□66	10
□rdnance Survey Plan	1□10,000	1□□4	11
□rdnance Survey Plan	1□10,000	1□84	12
□rdnance Survey Plan	1□10,000	1□□3	13
10□ □aster Mappin□	1□10,000	2006	14
□ectorMap Local	1□10,000	2014	1□

Historical Map □Slice A



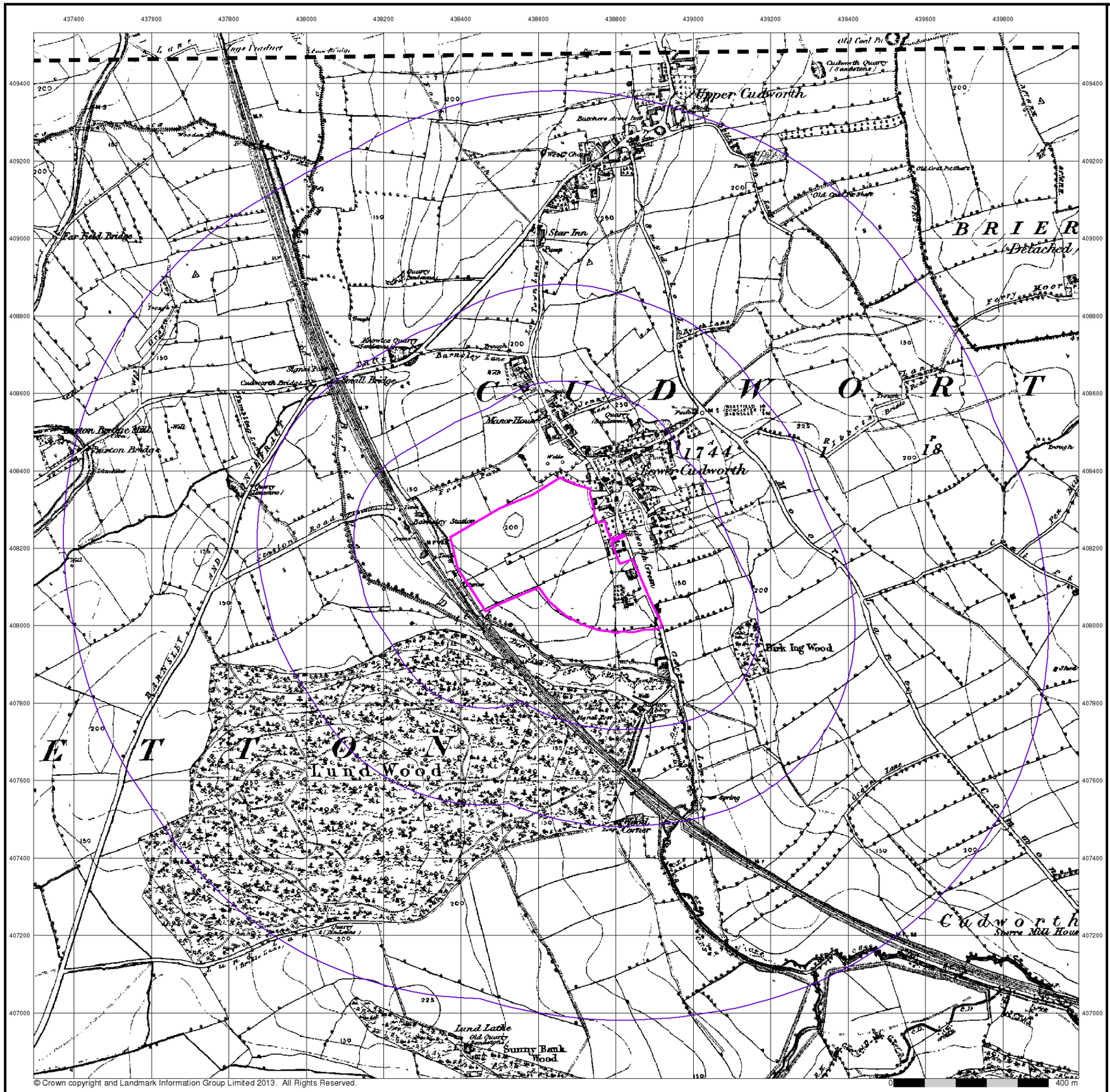
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Order Number: 59383606_1_1
Customer Ref: C6138/MB
National Grid Reference: 438650, 408150
Slice: A
Site Area (Ha): 12.41
Search Buffer (m): 1000

Site Details

Carrs Lane, Cudworth, Barnsley

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□or□shire

Published 18□4

Source map scale □1□10,□60

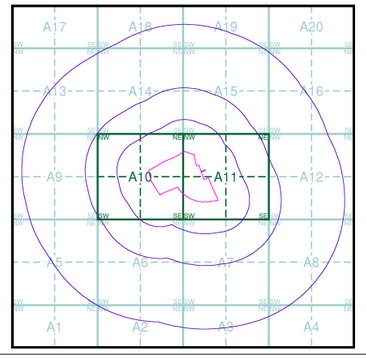
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Map Name□s□and Date□s□

26300
1854
1:10,560

27500
1854
1:10,560

Historical Map □Slice A



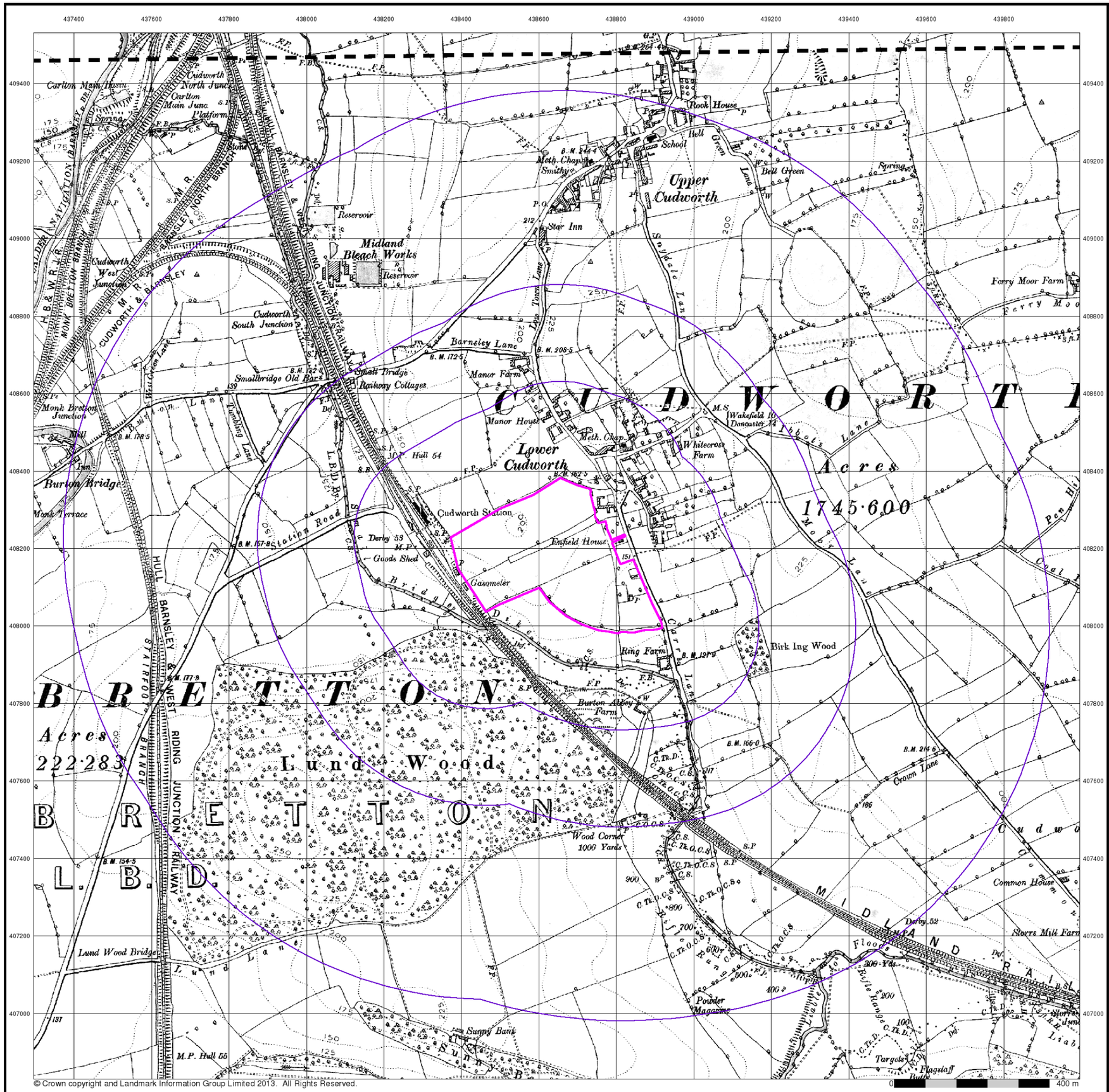
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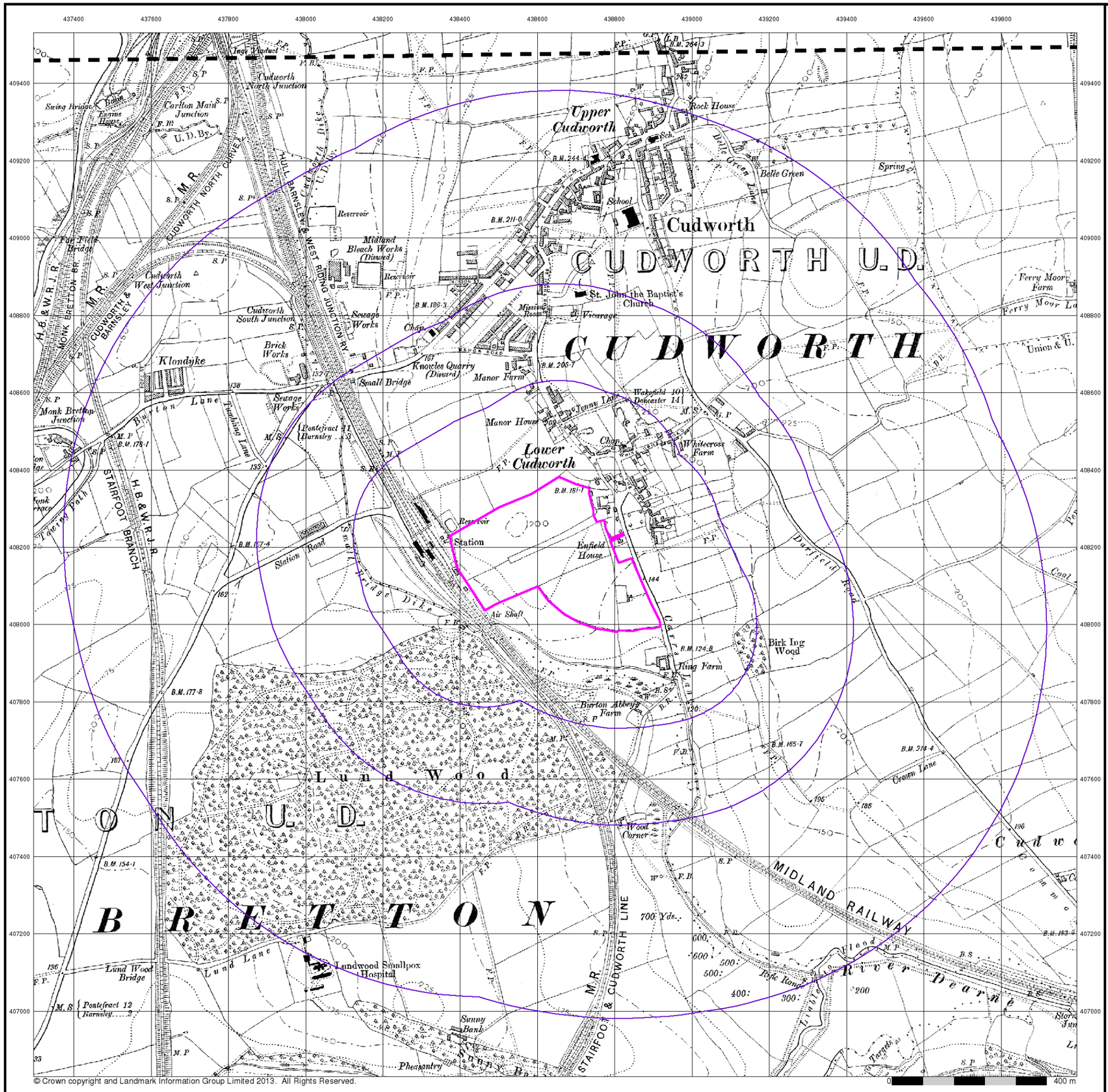
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437400
437600
437800
438000
438200
438400
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409400
409200
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408400
408200
408000
407800
407600
407400
407200
407000
Upper Cudworth
Lower Cudworth
Midland Bleach Works
Cudworth North Junc.
Cudworth Main Junc.
Cudworth West Junction
Cudworth South Junction
Monk Bretton Junction
Burton Bridge
Cudworth Station
Rook House
Bell Green
School
Star Inn
Reservoir
Smallbridge Old Bar
Railway Cottages
Manor Farm
Manor House
Whitecross Farm
Enfield House
Gasometer
Goods Shed
Ring Farm
Birk Ing Wood
Burton Abbey Farm
Wood Corner
1000 Yards
Ferry Moor Farm
Common House
Storrs Mill Farm
Powder Magazine
Land Wood Bridge
Sunny Bank
Targets
Flagstaff
Butts
Barnsley Lane
Station Road
Carrs Lane
Crown Lane
Bell Green Lane
Tumbling Lane
Abbots Lane
Pear Hill
Coal Pit Lane
CUDWORTH
Acres
1745·600
BRETTON
Acres
222·283
Lund Wood
L. B. D.
Wakefield 10
Doncaster 14
Derby 53
M.P. Hull 54
M.P. Hull 55
B.M. 172·5
B.M. 208·5
B.M. 182·5
B.M. 157·8
B.M. 177·3
B.M. 154·5
B.M. 214·6
B.M. 166·0
B.M. 129·5
Trig Station
Mill
Inn
Chapel
Meth. Chap.
Smithy
Stone
Spring
Well
Pond
Def.
Dis.
Mobbs Lane
Land Drain
Byrdge Dike
Hull Barnsley & West Riding Junction Railway
Hull Barnsley & West Riding Junction Railway Stairfoot Branch
Dearne & Dove Canal
Sheffield & South Yorkshire Navigation (Barnsley Canal)
Cudworth & Barnsley
Midland Railway
Old Dock Navigation (Barnsley Canal)
Monk Bretton Branch
Cudworth & Barnsley
Midland Railway
Wakefield & Goole Railway
Lund Lane
Tumbling Lane
West Green Lane
Lingcroft Lane
Sandygate Lane
Lane
Dike
Land Drain
Coal Pit Lane
Mobbs Lane
Pear Hill
Common House
Storrs Mill Farm
Ferry Moor Farm
Flagstaff Butts
Powder Magazine
Targets
Sunny Bank
Gasometer
Reservoir
Spring
Well
Pond
Def.
Dis.
Trig Station
Mill
Inn
Chapel
Meth. Chap.
Smithy
Stone



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0 400 m

□or□shire

Published 1□06 □1□0□

Source map scale □1□10,□60

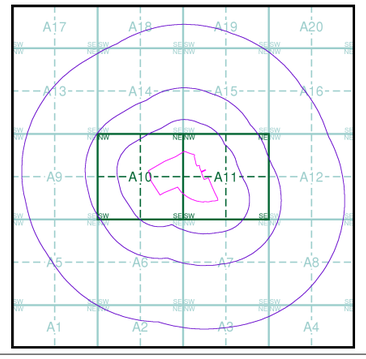
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Map Name□s□and Date□s□

263SW
1907
1:10,560

275NW
1906
1:10,560

Historical Map □Slice A



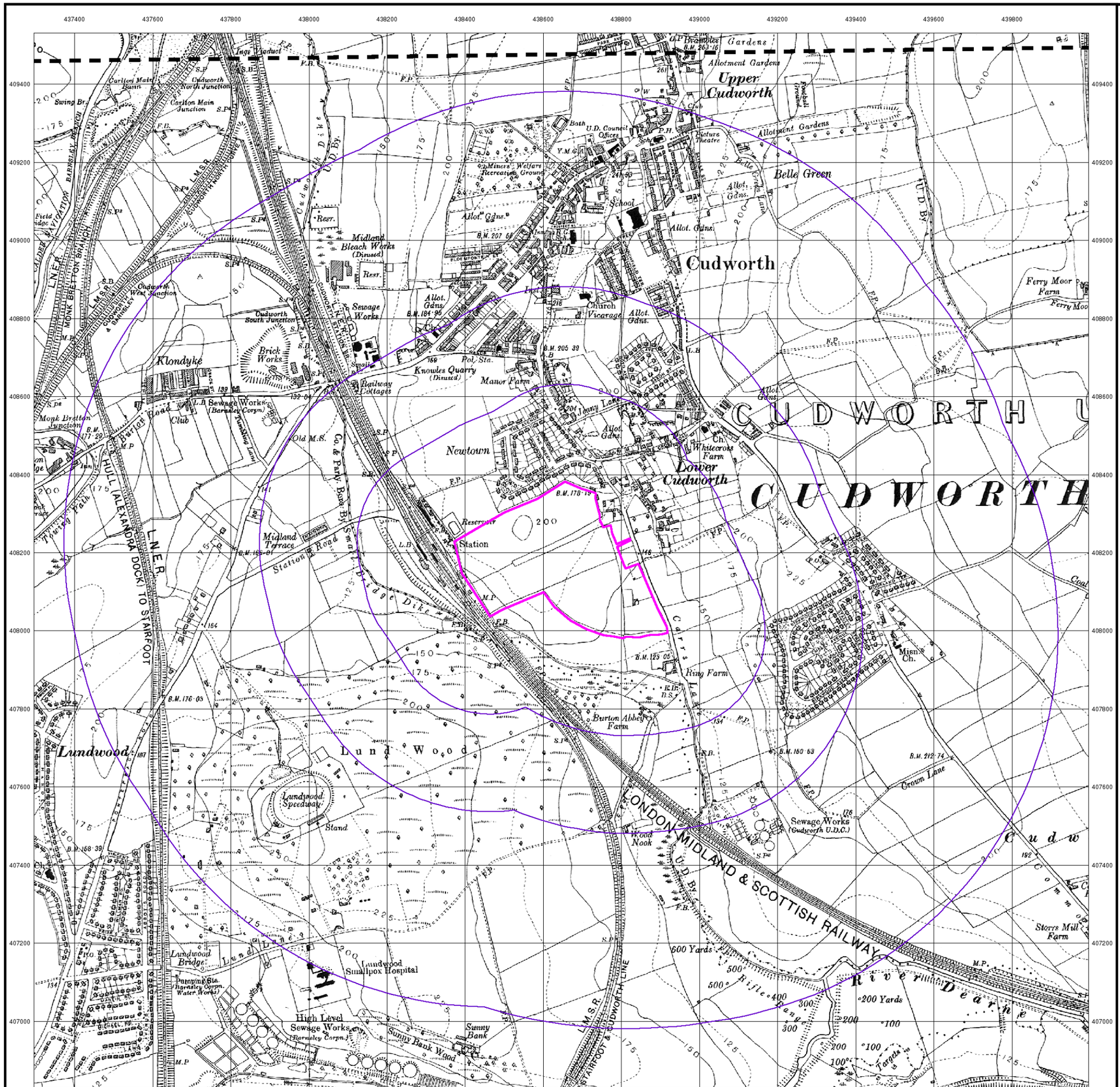
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National Grid Reference:	438650, 408150
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Site Area (Ha):	12.41
Search Buffer (m):	1000

Site Details

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□or□shire

Published 1□32 □1□33

Source map scale □1□10,□60

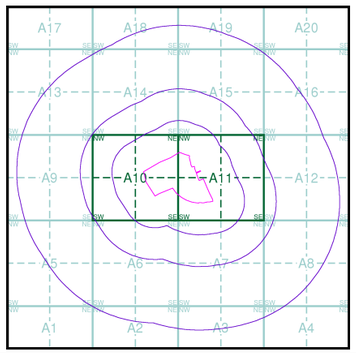
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Map Name□s□and Date□s□

263SW
1933
1:10,560

275NW
1932
1:10,560

Historical Map □Slice A



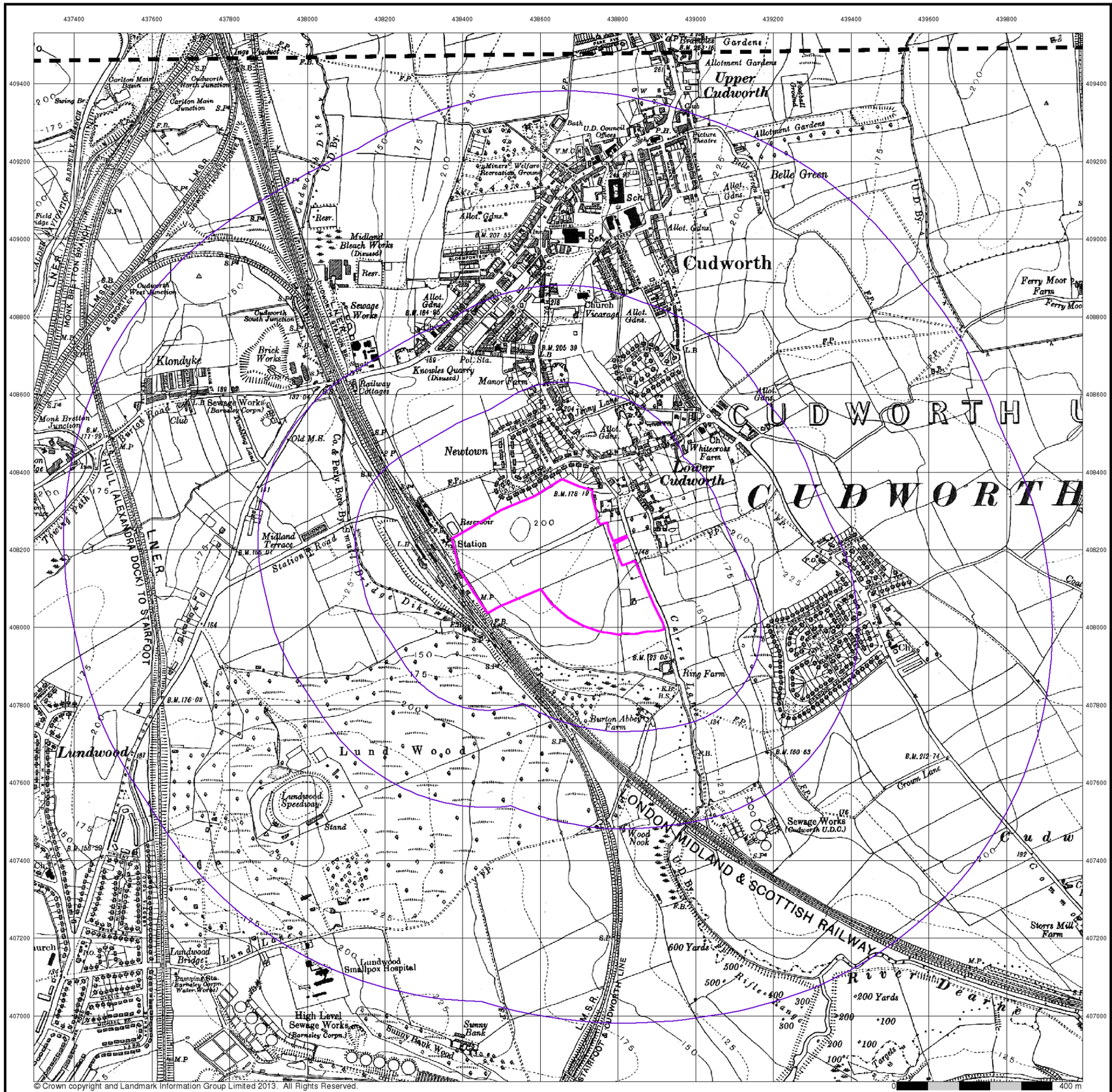
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□or□shire

Published 1□38

Source map scale □1□10,□60

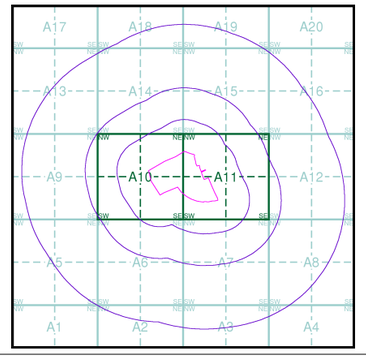
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Map Name□s□and Date□s□

263SW
1938
1:10,560

275NW
1938
1:10,560

Historical Map □Slice A



□rder Details

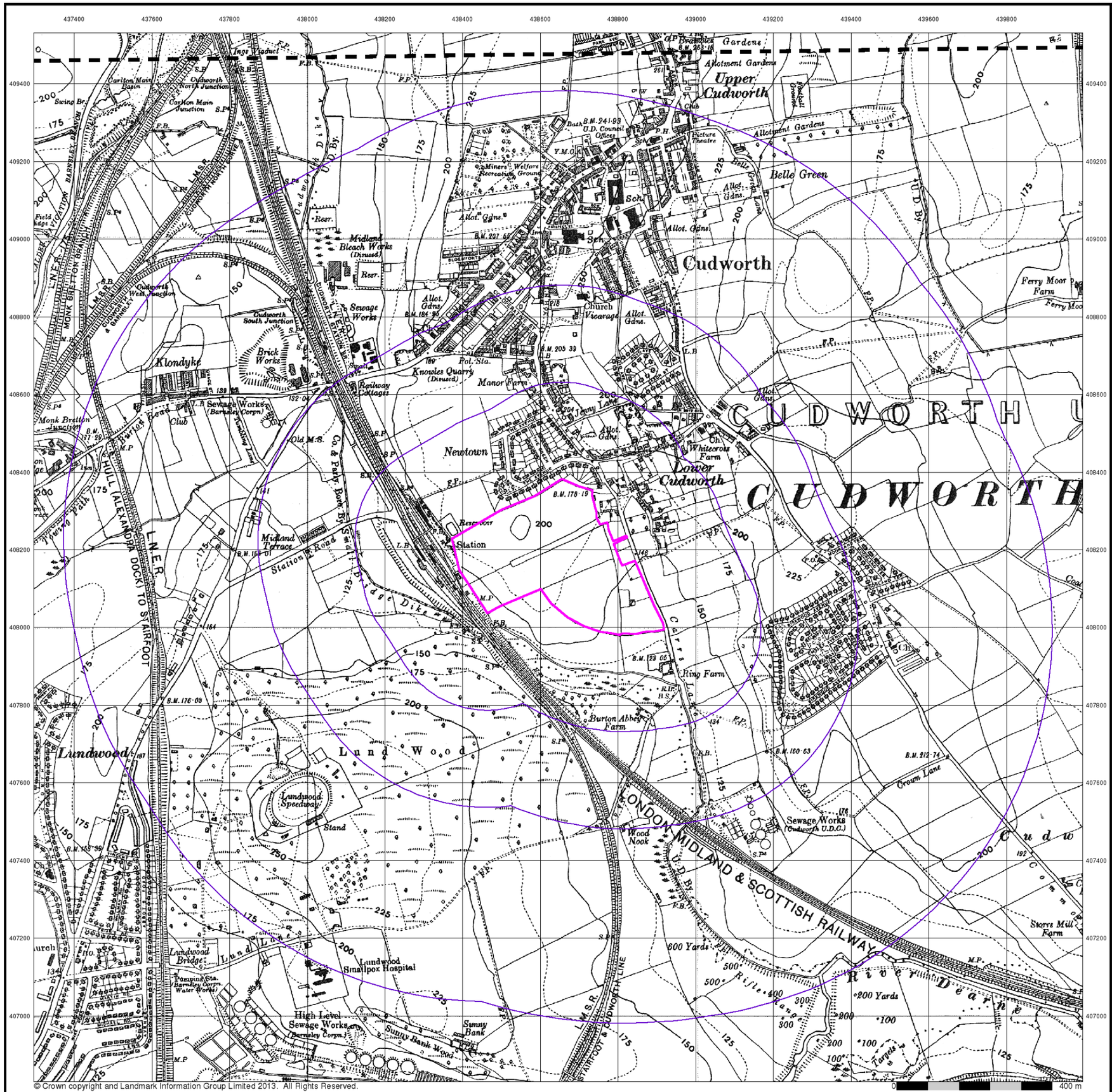
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Search Buffer (m):	1000

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□or□shire

Published 1□38

Source map scale □1□10,□60

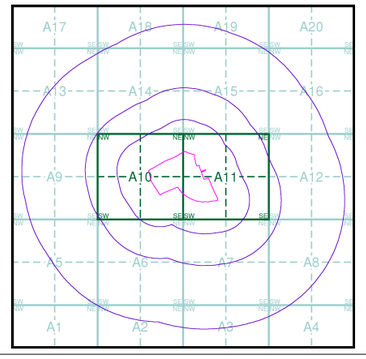
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Map Name□s□and Date□s□

263SW
1938
1:10,560

275NW
1938
1:10,560

Historical Map □Slice A



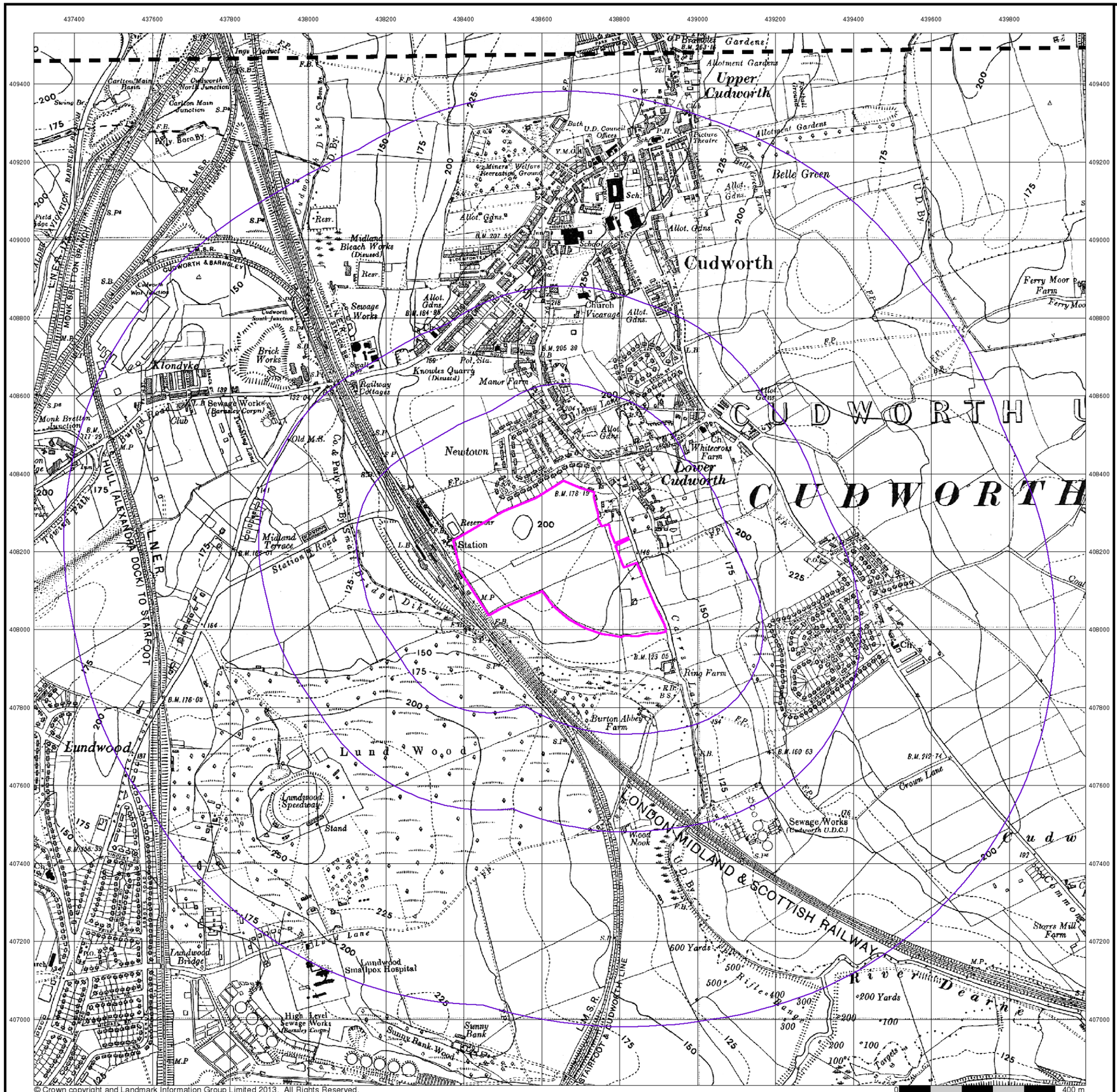
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Search Buffer (m):	1000

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□or□shire

Published 1□48

Source map scale □1□10,□60

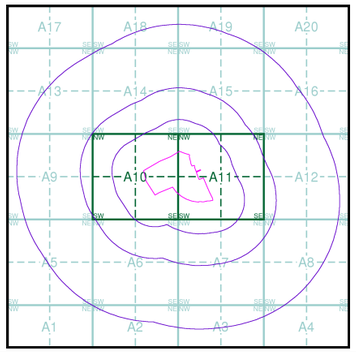
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Map Name□s□and Date□s□

263SW
1948
1:10,560

275NW
1948
1:10,560

Historical Map □Slice A



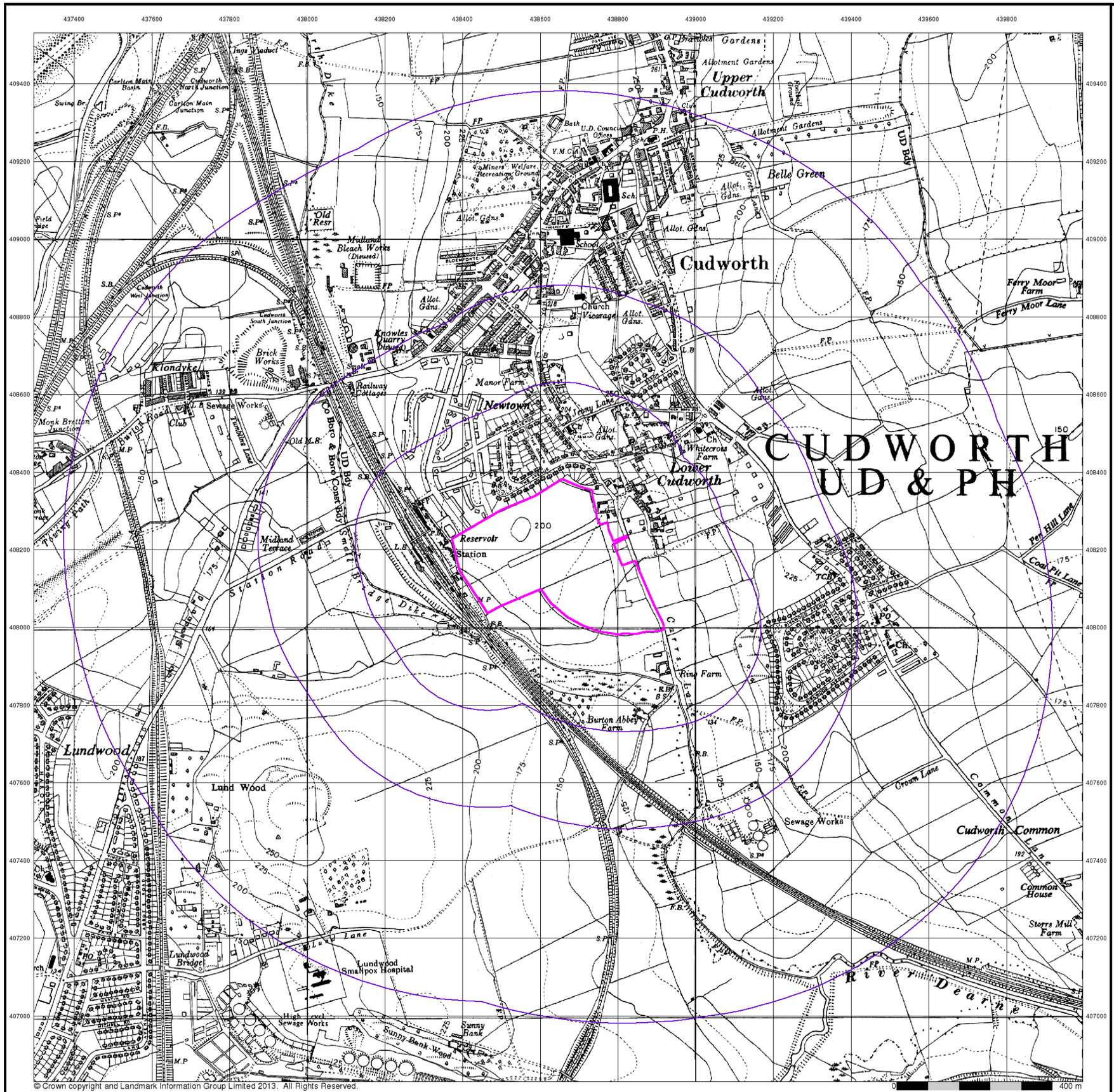
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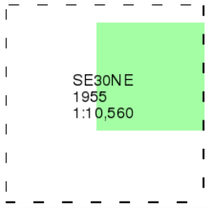
Ordnance Survey Plan

Published 1□□□

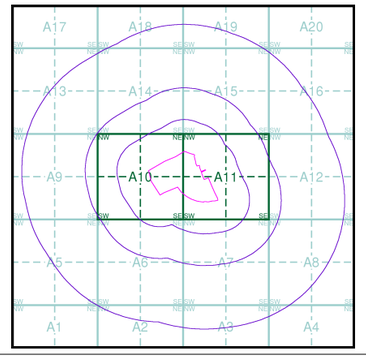
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Map Name□s□and Date□s□



Historical Map □Slice A



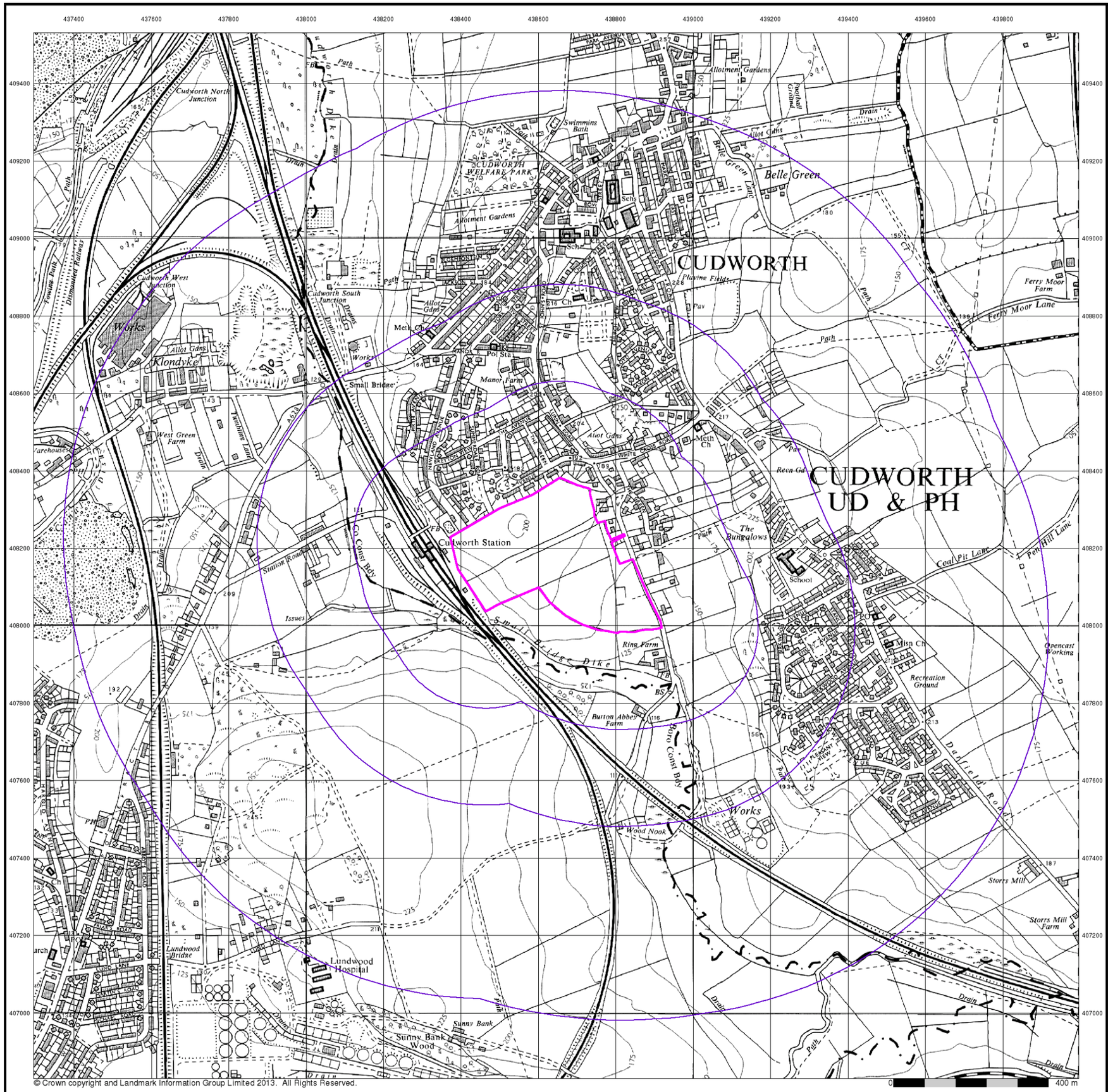
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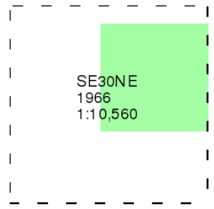
Ordnance Survey Plan

Published 1□66

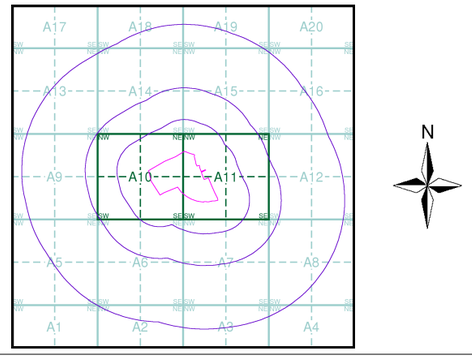
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Map Name□s□and Date□s□



Historical Map □Slice A



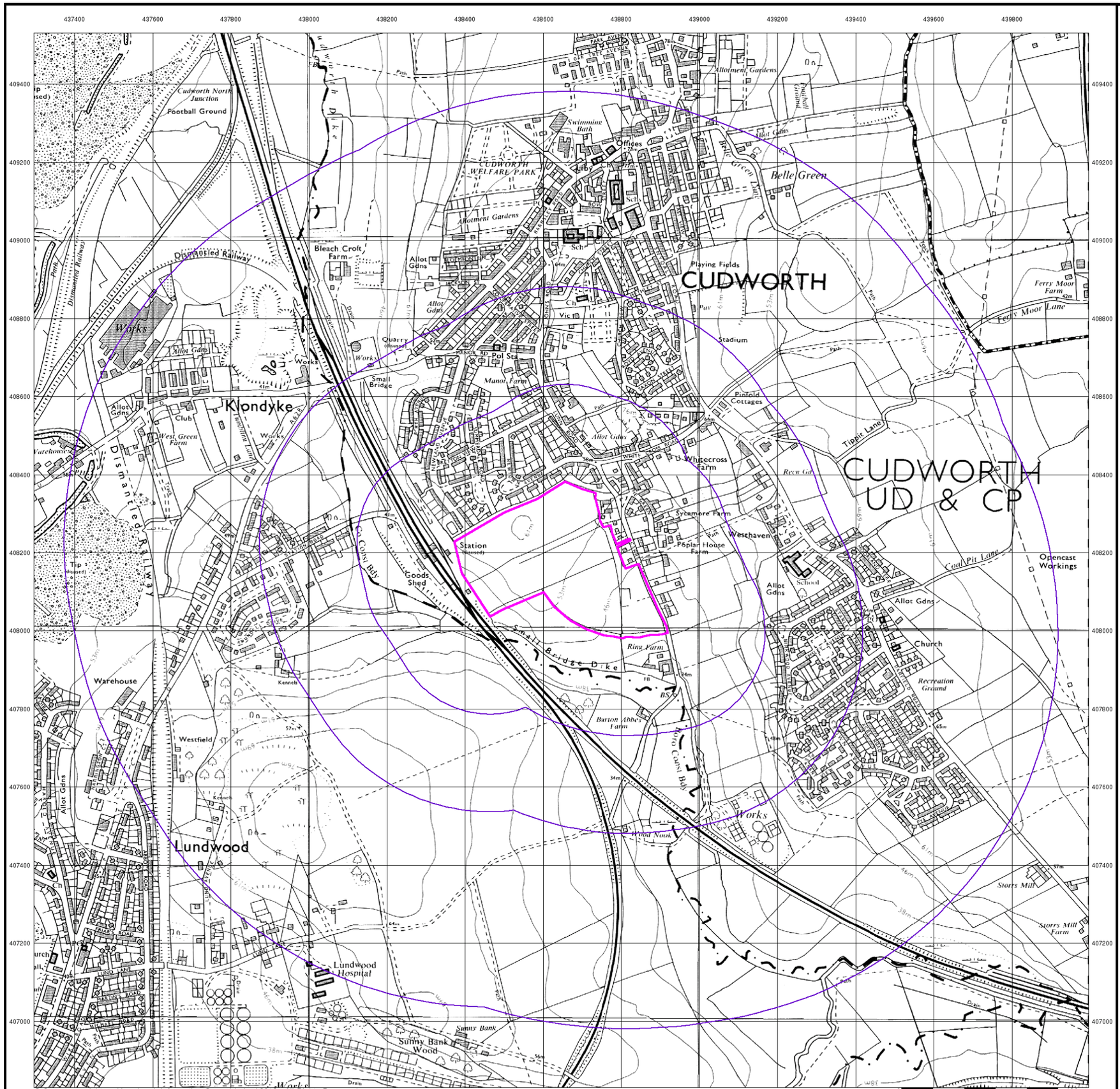
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Ordnance Survey Plan

Published 1□□4

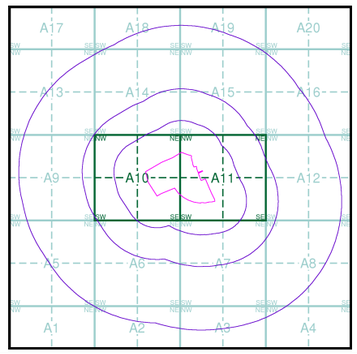
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Map Name□s□and Date□s□

SE30NE
1974
1:10,000

Historical Map □Slice A



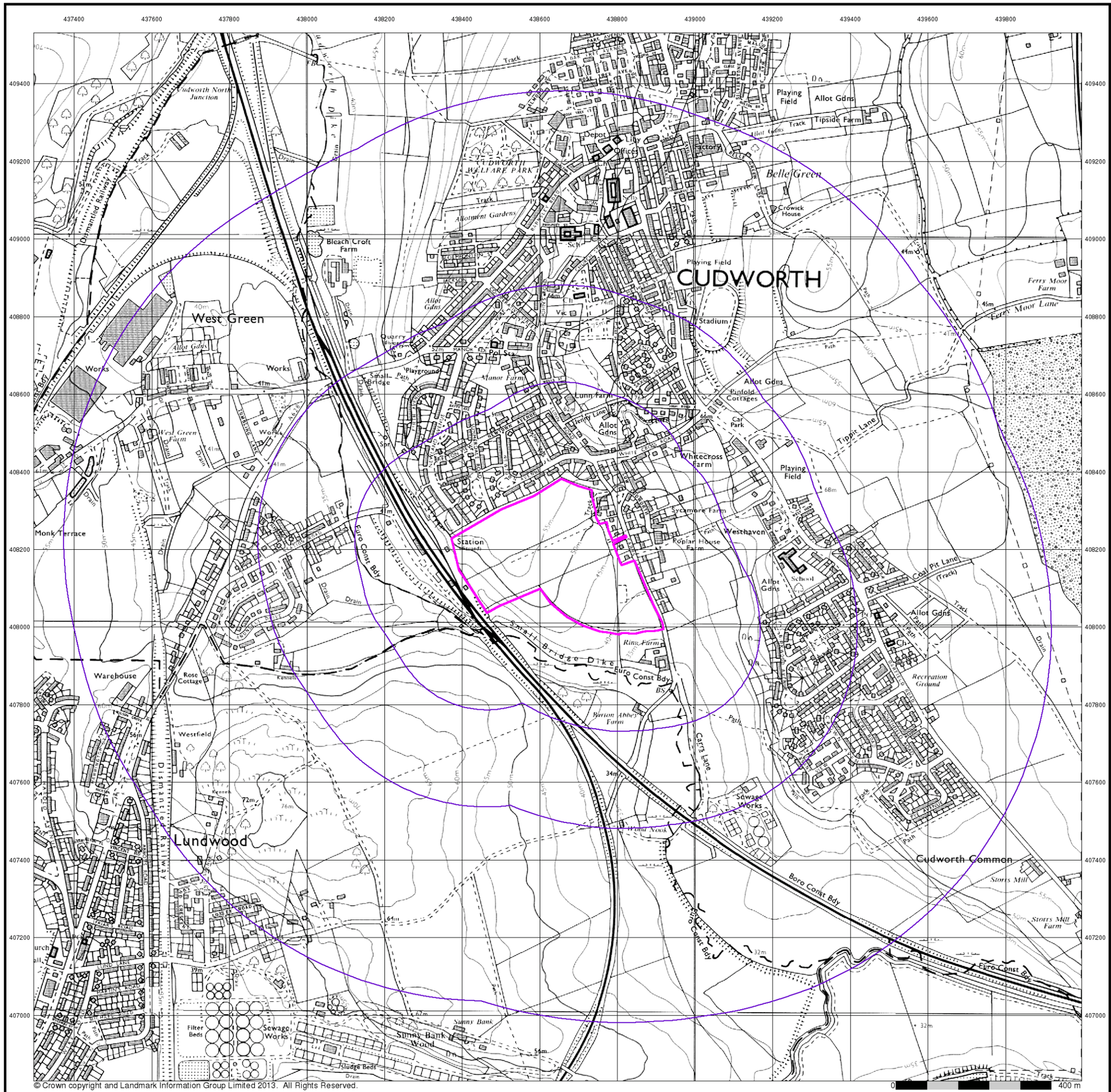
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Ordnance Survey Plan

Published 1:10,000

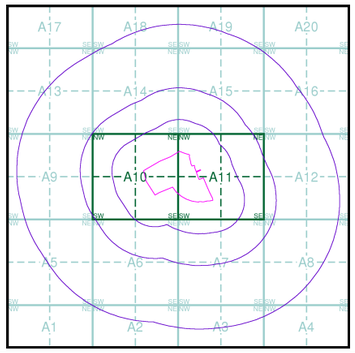
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Map Names and Dates

SE30NE
1984
1:10,000

Historical Map Slice A



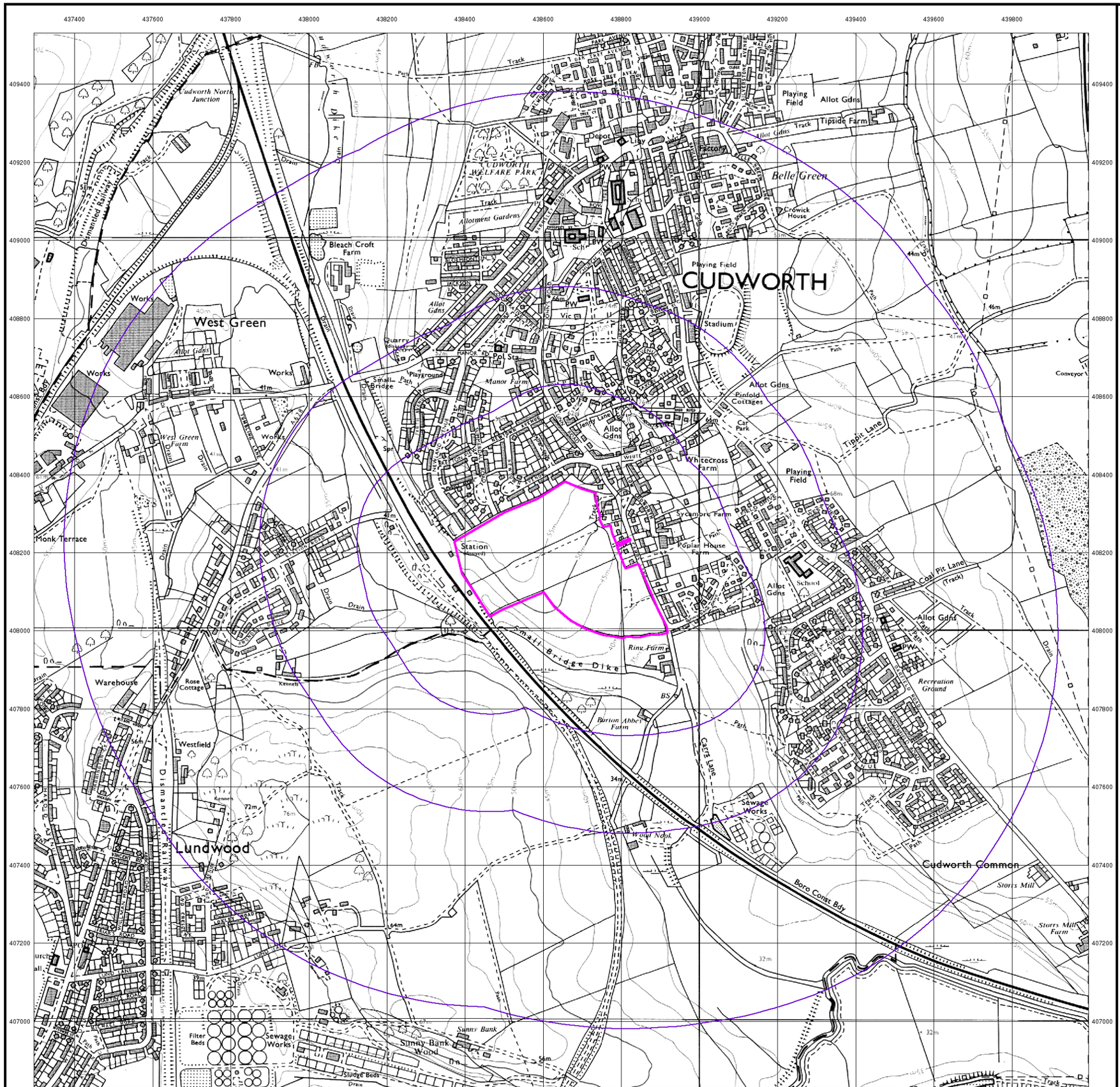
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Search Buffer (m):	1000

Site Details

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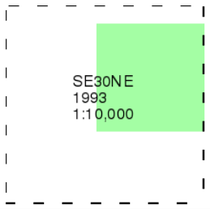
Ordnance Survey Plan

Published 1□□3

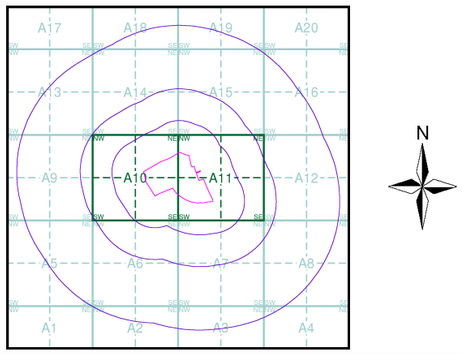
Source map scale □1□10,000

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



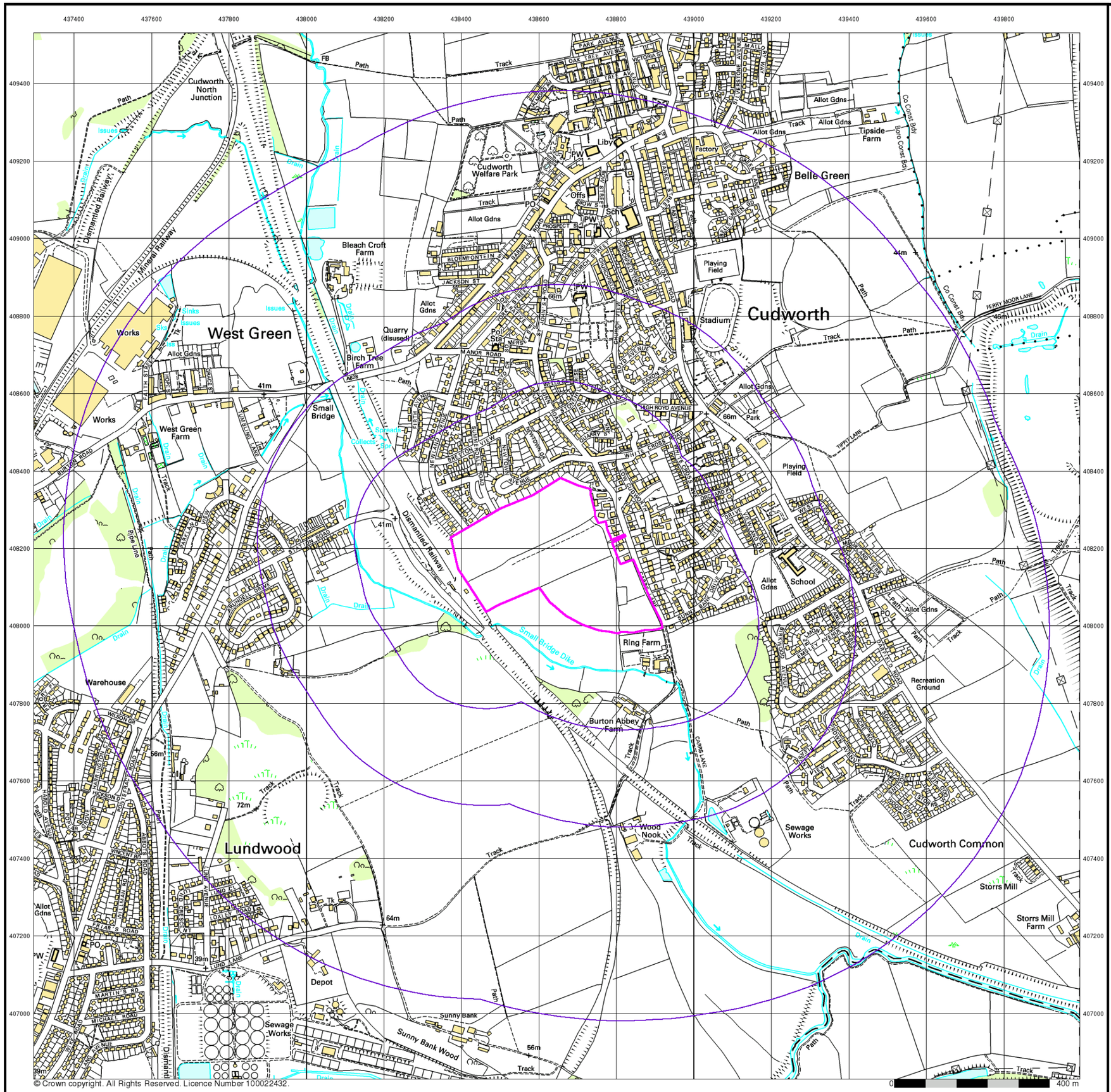
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Order Number:	59383606_1_1
Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
Search Buffer (m):	1000

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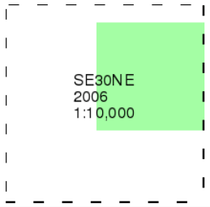
10□ □aster Mappin□

Published 2006

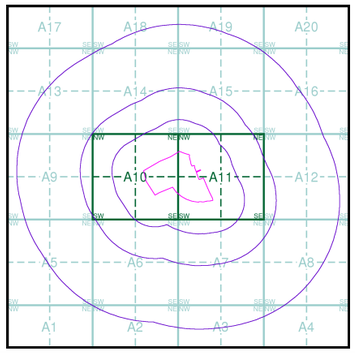
Source map scale □1□10,000

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□



Historical Map □Slice A



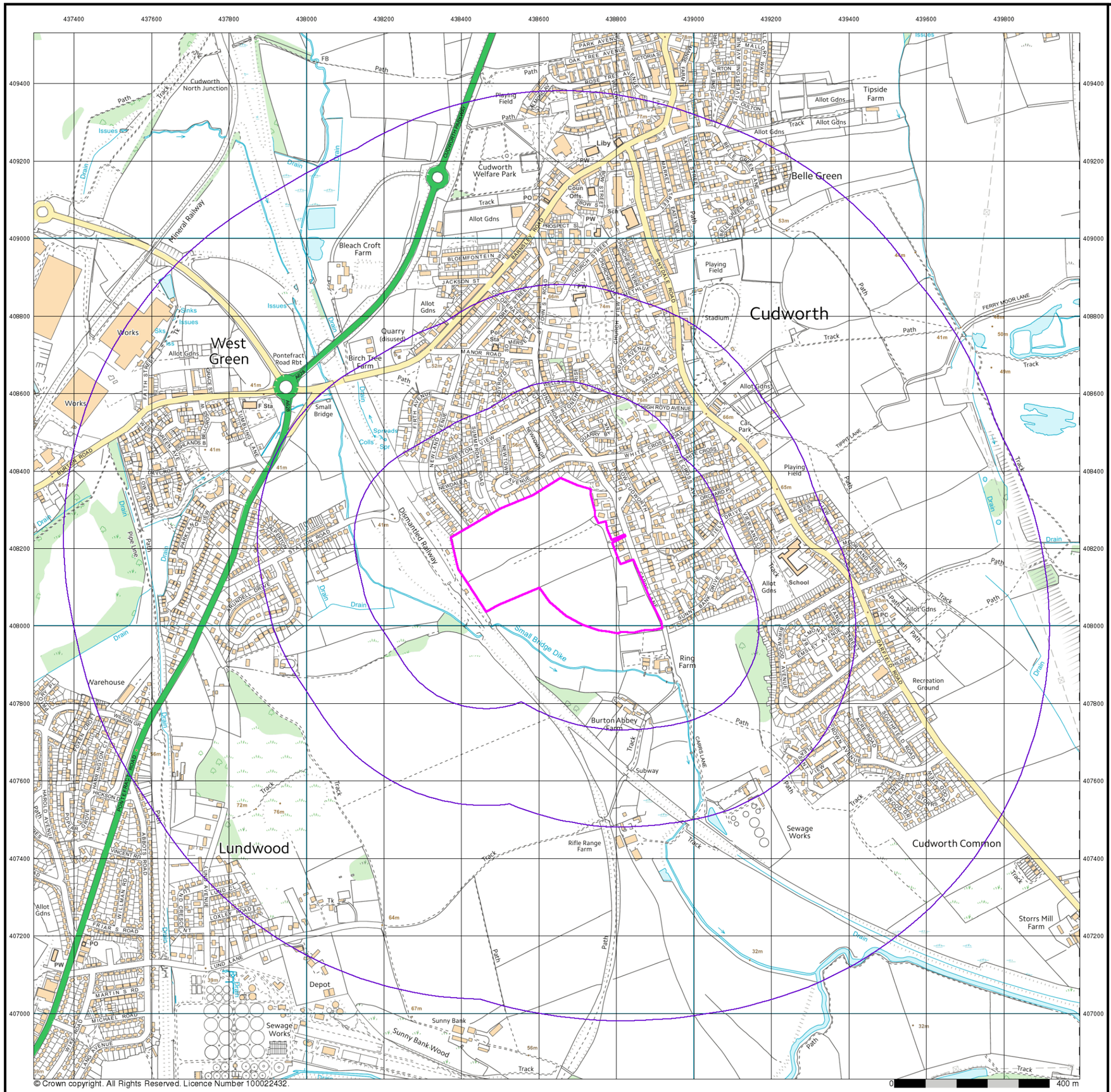
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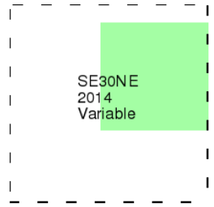
VectorMap Local

Published 2014

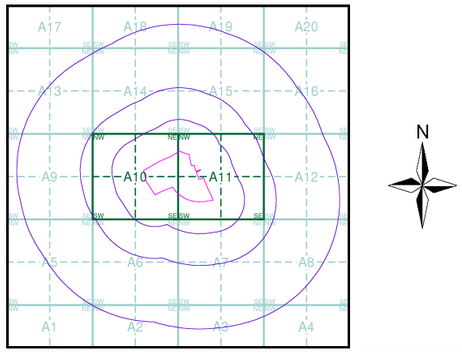
Source map scale 1:10,000

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 Names and Dates



Historical Map Slice A



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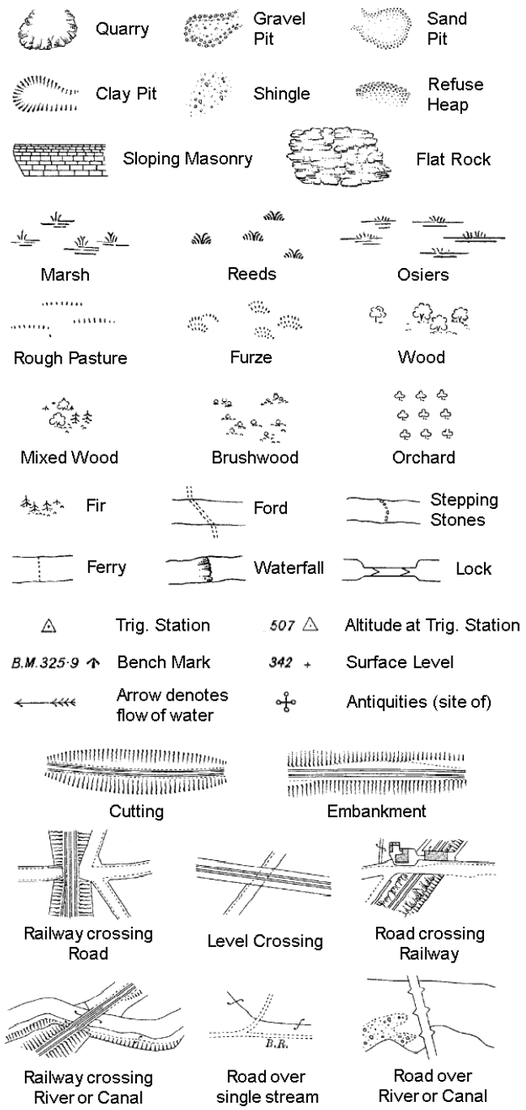
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Historical Mappin□ Le□ends

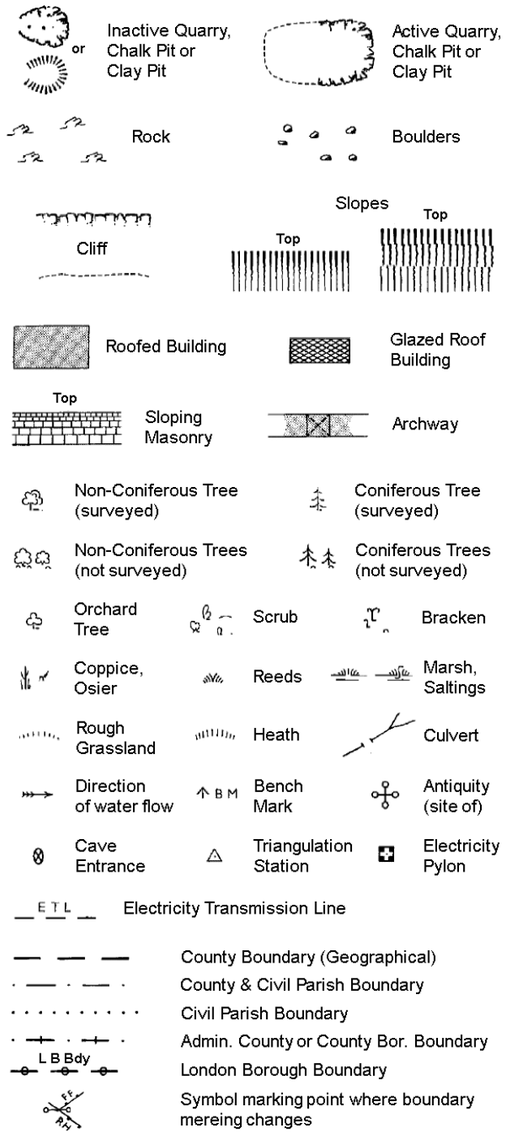
□rdnance Survey County Series and □rdnance Survey Plan 1□2,□00



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy.
County Borough Boundary (England)
Co. Burgh Bdy.
County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	*P.C.B*	Police Call Box
B.R.	Bridle Road	*P*	Pump
E.P	Electricity Pylon	*S.P*	Signal Post
F.B.	Foot Bridge	*Sl.*	Sluice
F.P.	Foot Path	*Sp.*	Spring
G.P	Guide Post or Board	*T.C.B*	Telephone Call Box
M.S	Mile Stone	*Tr.*	Trough
M.P M.R	Mooring Post or Ring	*W*	Well

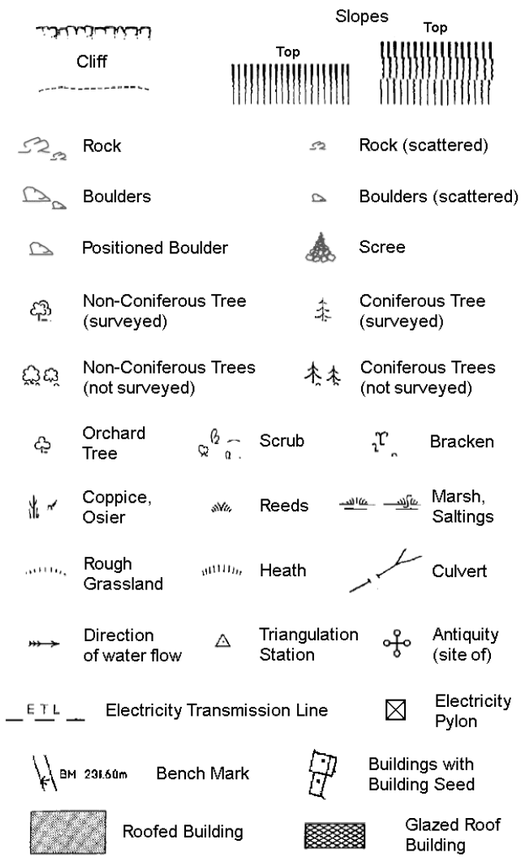
□rdnance Survey Plan, Additional S□Ms and Supply o□□npublished Survey □n□ormation 1□2,□00 and 1□1,2□0



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy
London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Lar□e□Scale National □rid Data 1□2,□00 and 1□1,2□0



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

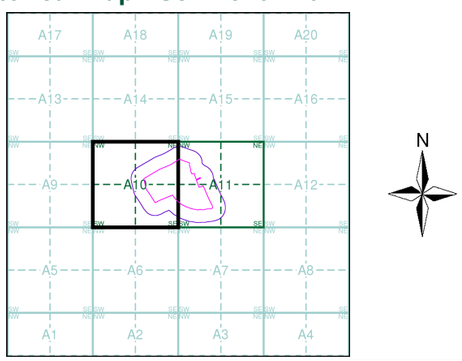
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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Historical Mappin□ & Photo□raphy included□

Mappin□ Type	Scale	Date	P□
□or□shire	1□2,□00	18□3	2
□or□shire	1□2,□00	1□06	3
□or□shire	1□2,□00	1□31	4
□rdnance Survey Plan	1□1,2□0	1□61 □1□□□	□
□rdnance Survey Plan	1□2,□00	1□62	6
□rdnance Survey Plan	1□2,□00	1□6□ □1□84	□
□rdnance Survey Plan	1□1,2□0	1□□3 □1□□8	8
Additional S□Ms	1□1,2□0	1□84 □1□□2	□
Lar□e□Scale National □rid Data	1□1,2□0	1□□3	10
Lar□e□Scale National □rid Data	1□2,□00	1□□3	11

Historical Map □Se□ment A10



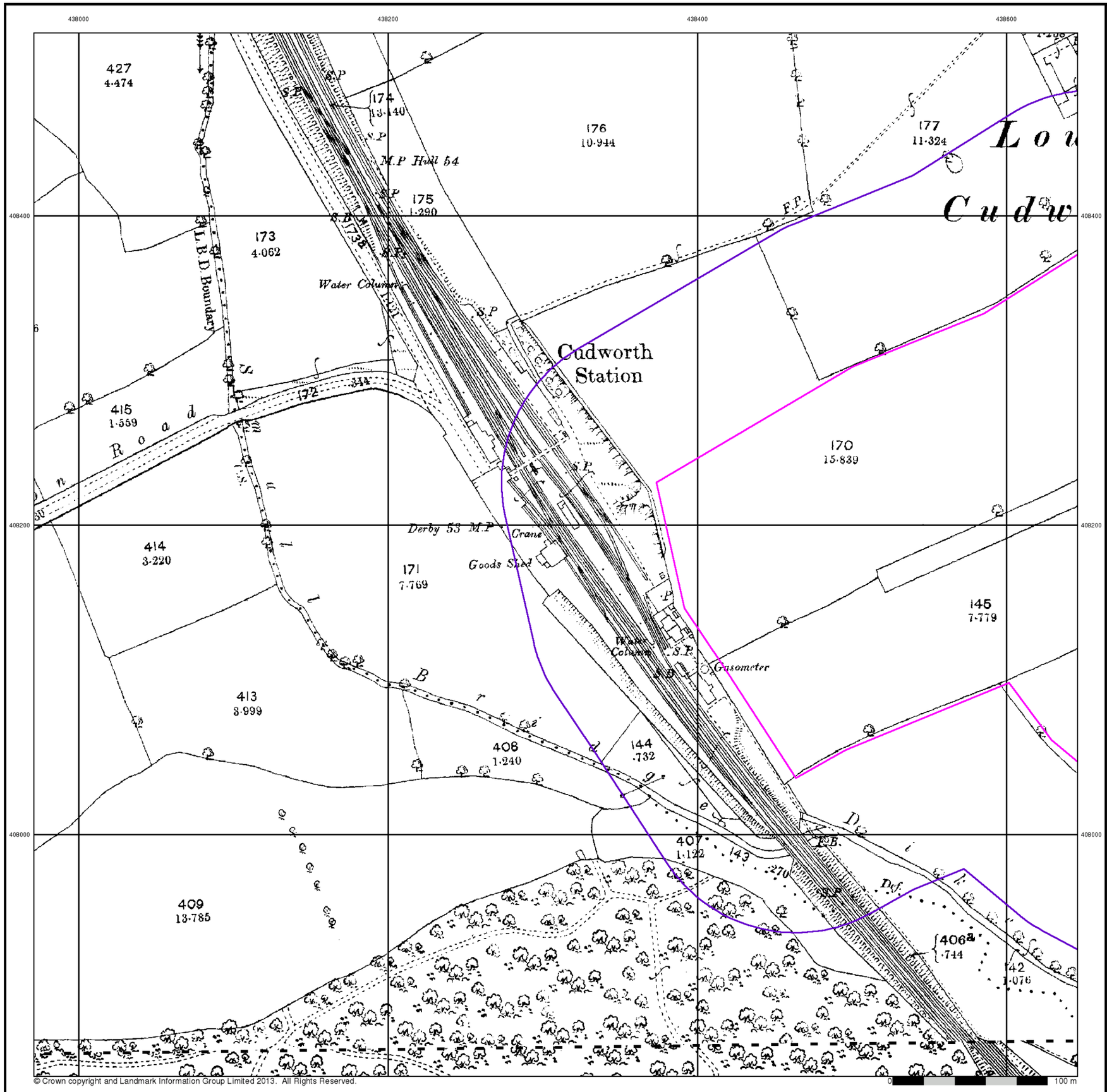
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Order Number: 59383606_1_1
Customer Ref: C6138/MB
National Grid Reference: 438650, 408150
Slice: A
Site Area (Ha): 12.41
Search Buffer (m): 100

Site Details

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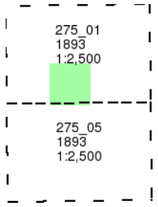
□or□shire

Published 18□3

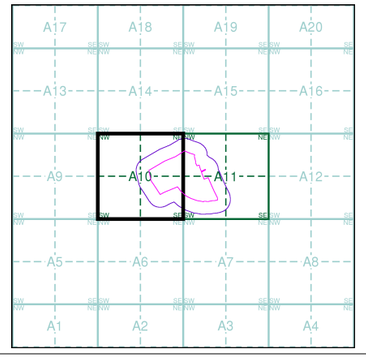
Source map scale □1□2,□00

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Map Name□s□and Date□s□



Historical Map □Se□ment A10



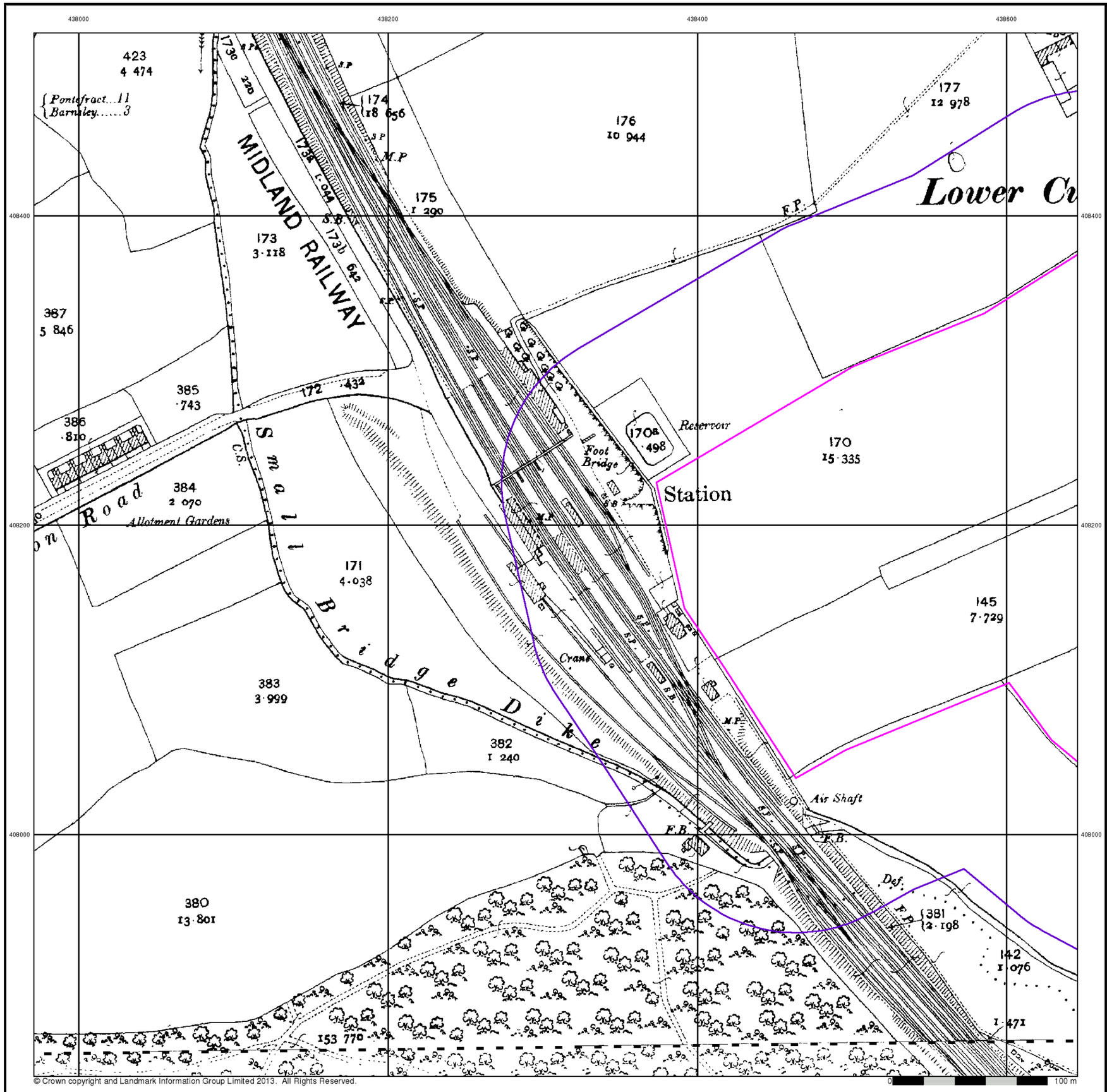
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Slice:	A
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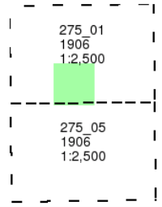
□or□shire

Published 1□06

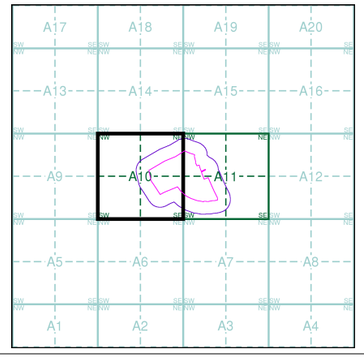
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Map Name□s□and Date□s□



Historical Map □Se□ment A10



□rder Details

Order Number:	59383606_1_1
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National Grid Reference:	438650, 408150
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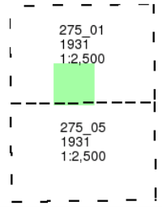
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Published 1□31

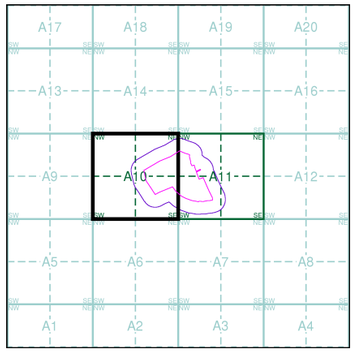
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Map Name□s□and Date□s□



Historical Map □Se□ment A10



□rder Details

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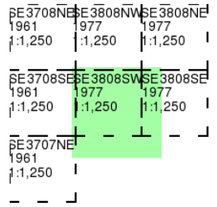
Ordnance Survey Plan

Published 1961 1111

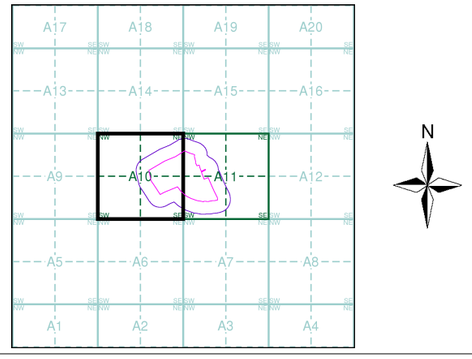
Source map scale 1:1,250

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Map Names and Dates



Historical Map Segment A10



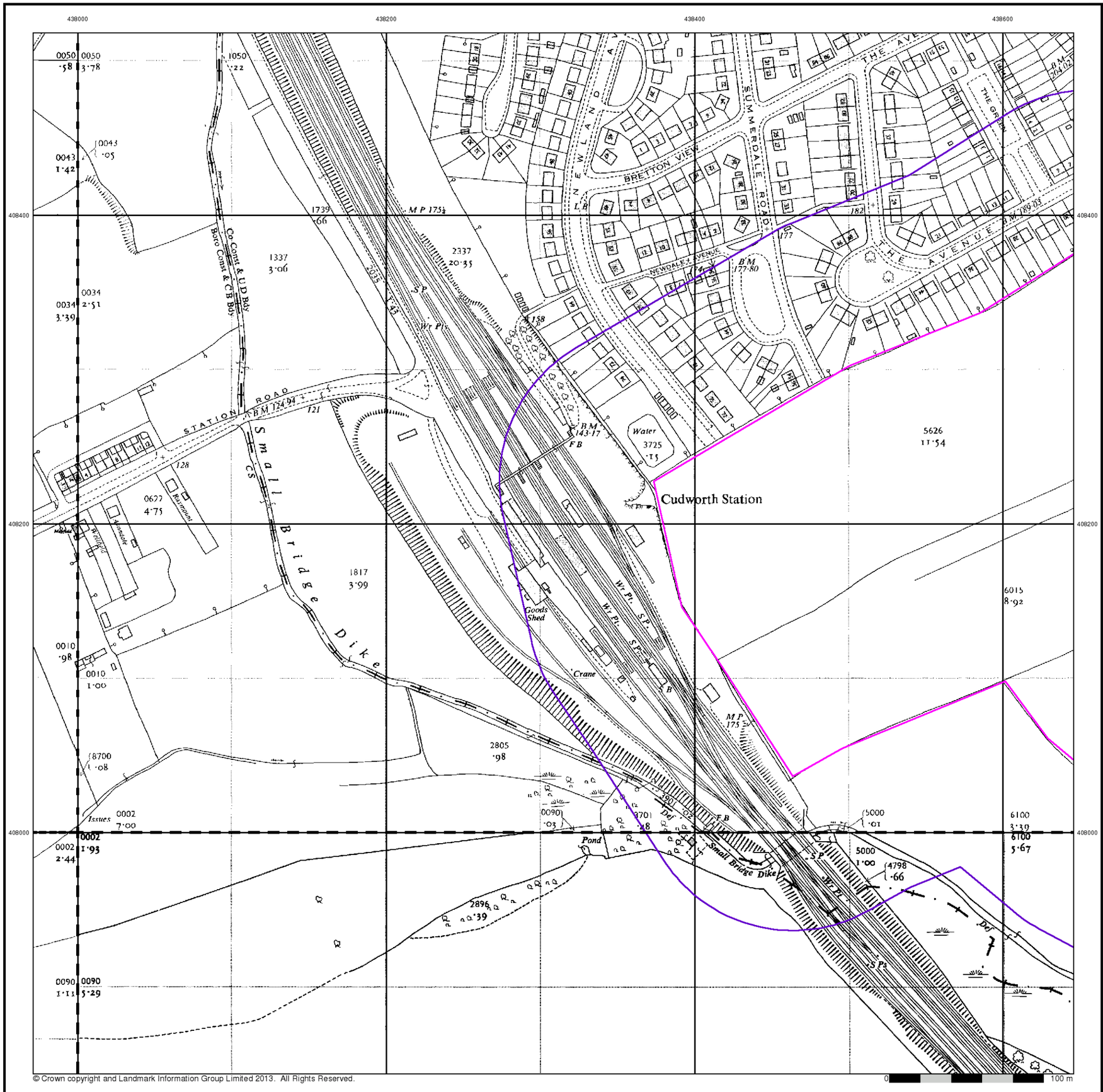
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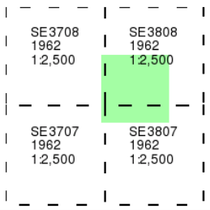
Ordnance Survey Plan

Published 1962

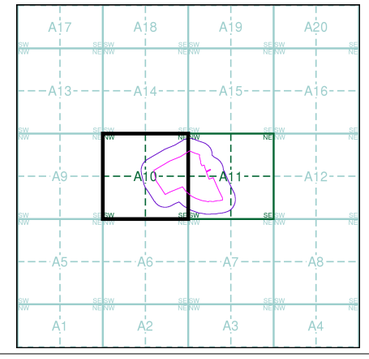
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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 Names and Dates



Historical Map Segment A10



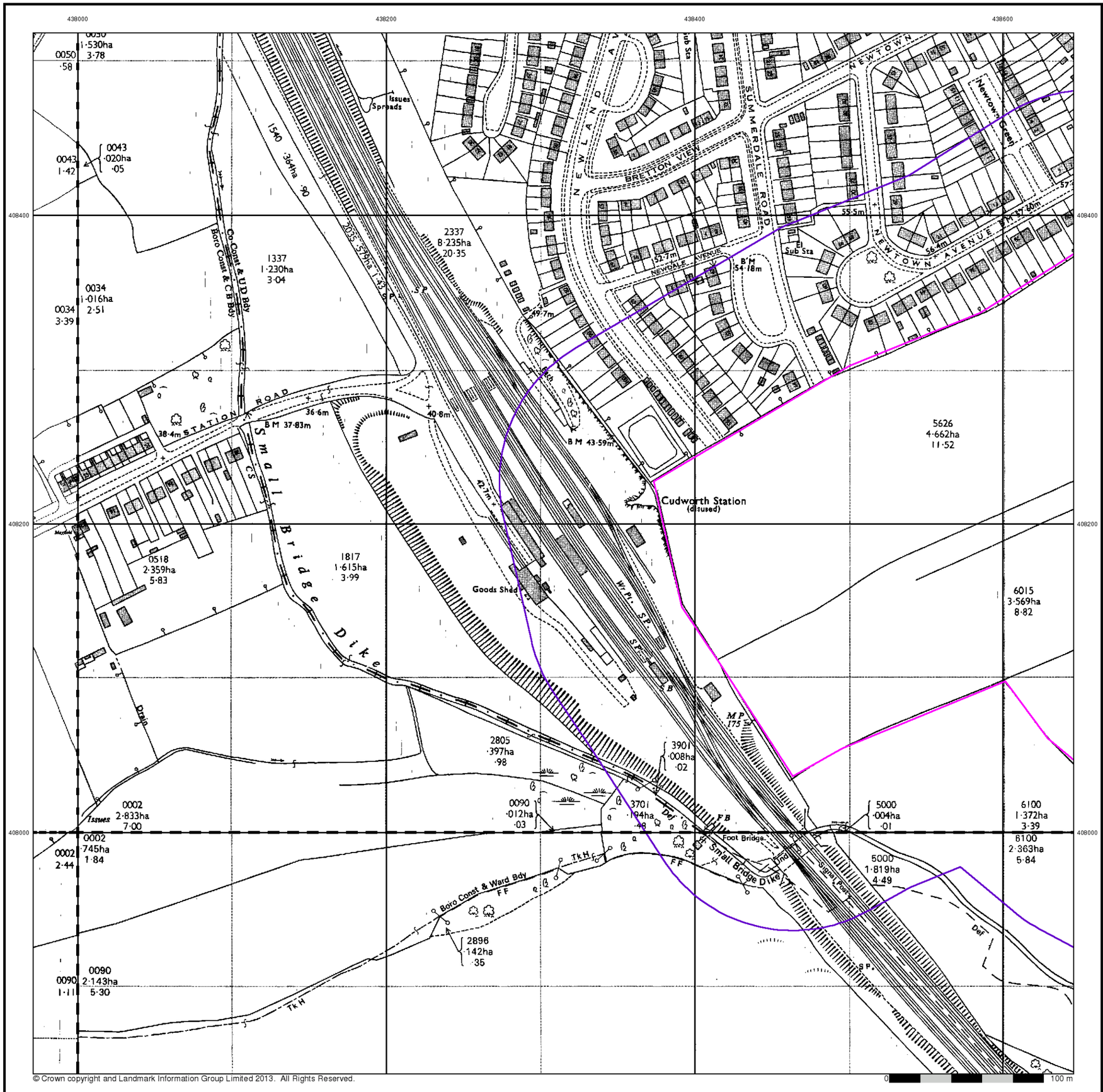
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Ordnance Survey Plan

Published 1□6□ □1□84

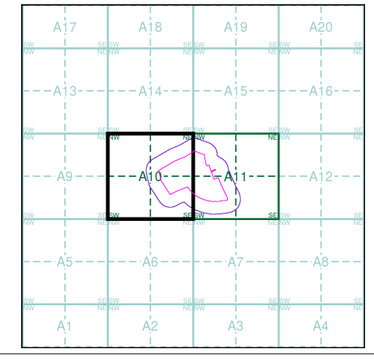
Source map scale □1□2,□00

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Map Name□s□and Date□s□

SE3708 1969 1:2,500	SE3808 1970 1:2,500
SE3707 1971 1:2,500	SE3807 1984 1:2,500

Historical Map □Se□ment A10



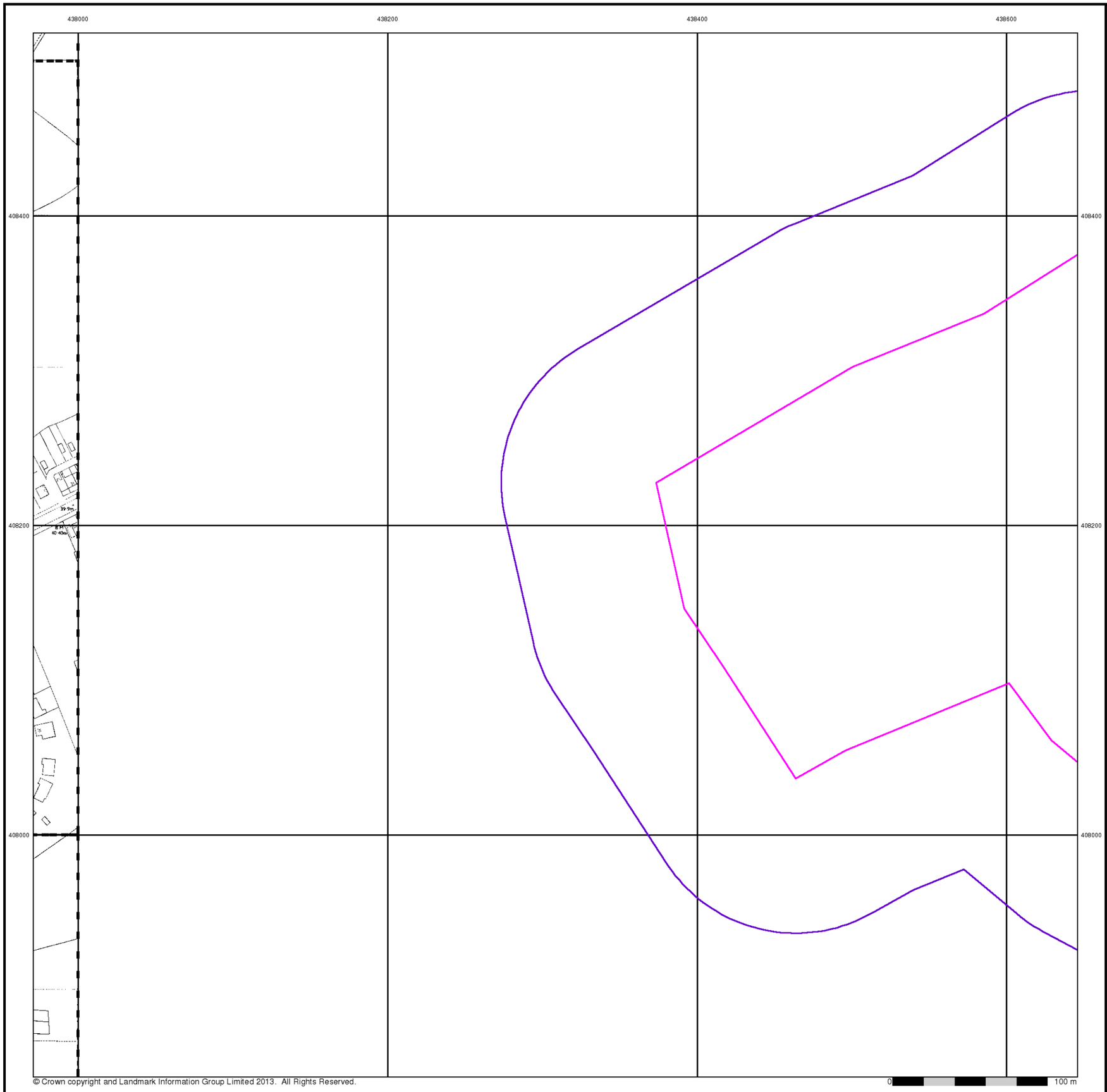
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Ordnance Survey Plan

Published 1□□3 □1□□8

Source map scale □1□1,2□0

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.

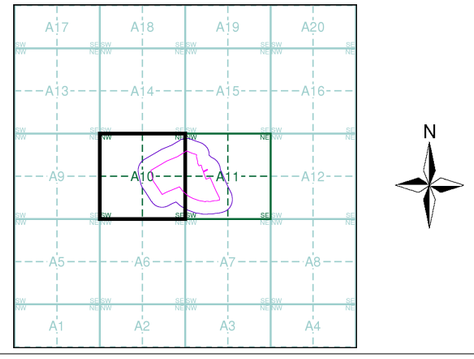
Map Name□s □and Date□s□

SE3708NE
1978
1:1,250

SE3708SE
1973
1:1,250

SE3707NE
1973
1:1,250

Historical Map □Se□ment A10



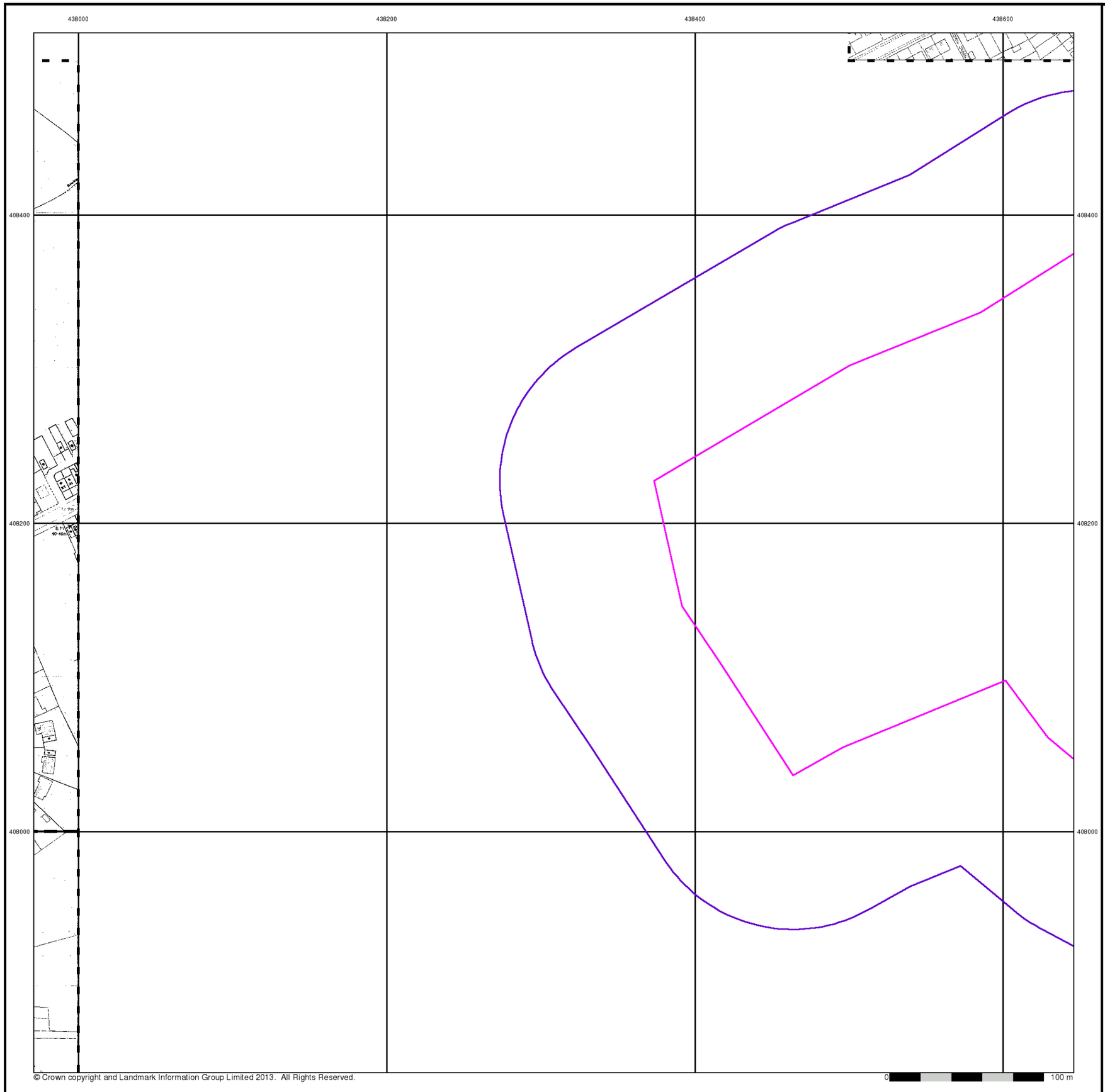
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Order Number:	59383606_1_1
Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
Search Buffer (m):	100

Site Details

Carrs Lane, Cudworth, Barnsley

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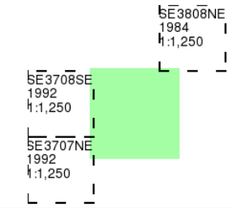
Additional S□Ms

Published 1□84 □1□□2

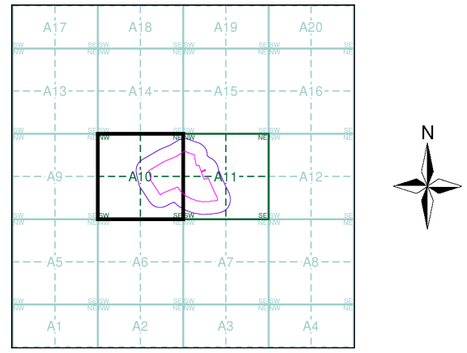
Source map scale □1□1,2□0

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 □Se□ment A10



□rder Details

Order Number:	59383606_1_1
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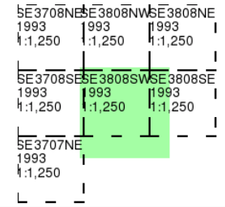
Lar□e□Scale National □rid Data

Published 1□□3

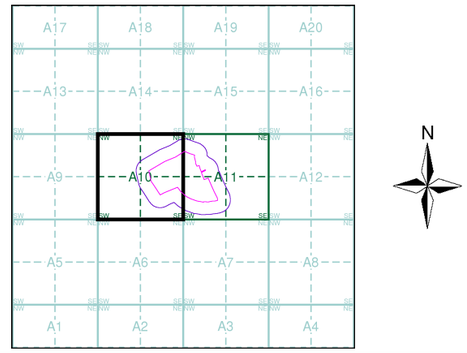
Source map scale □1□1,2□0

'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 □Se□ment A10



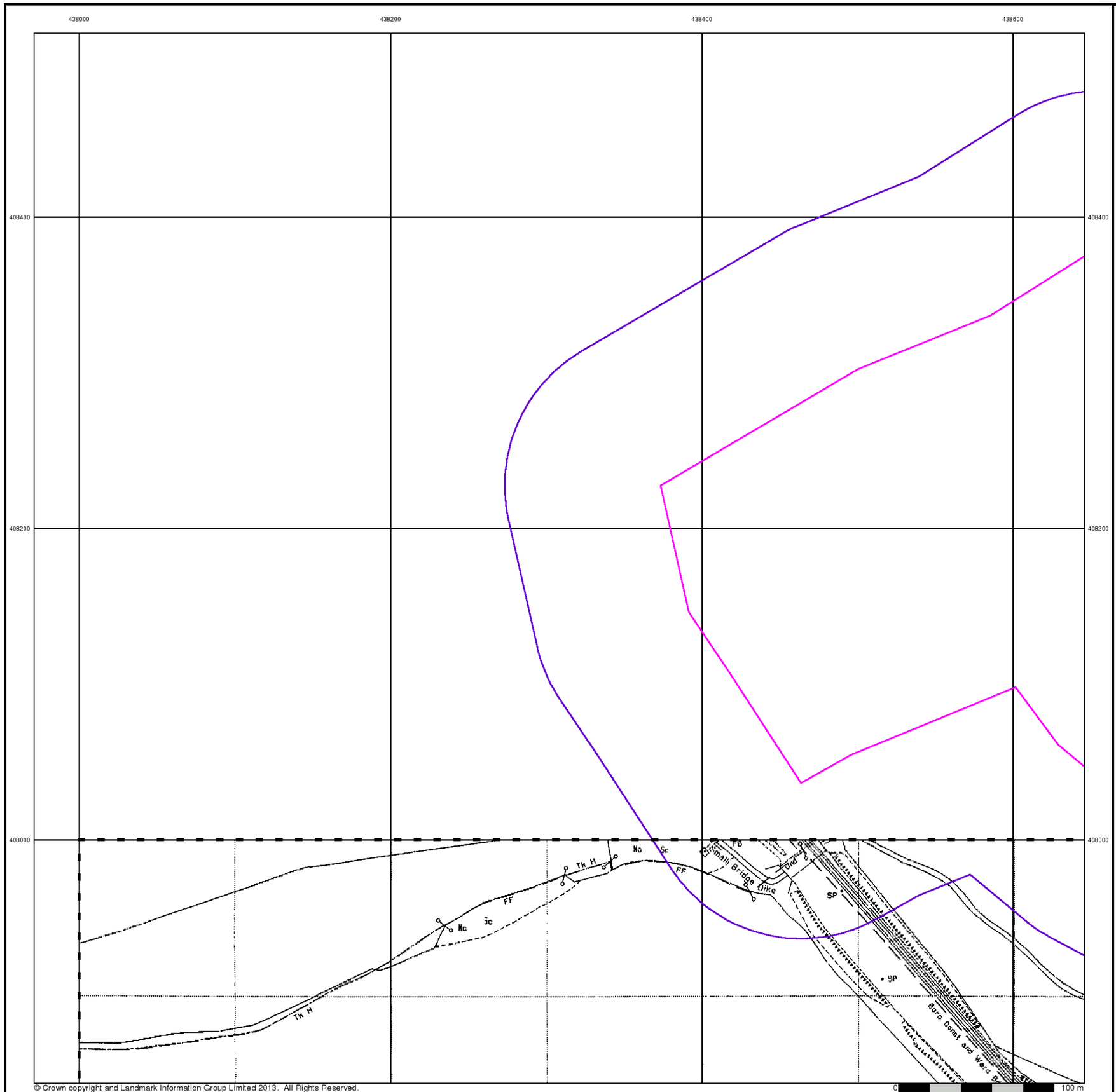
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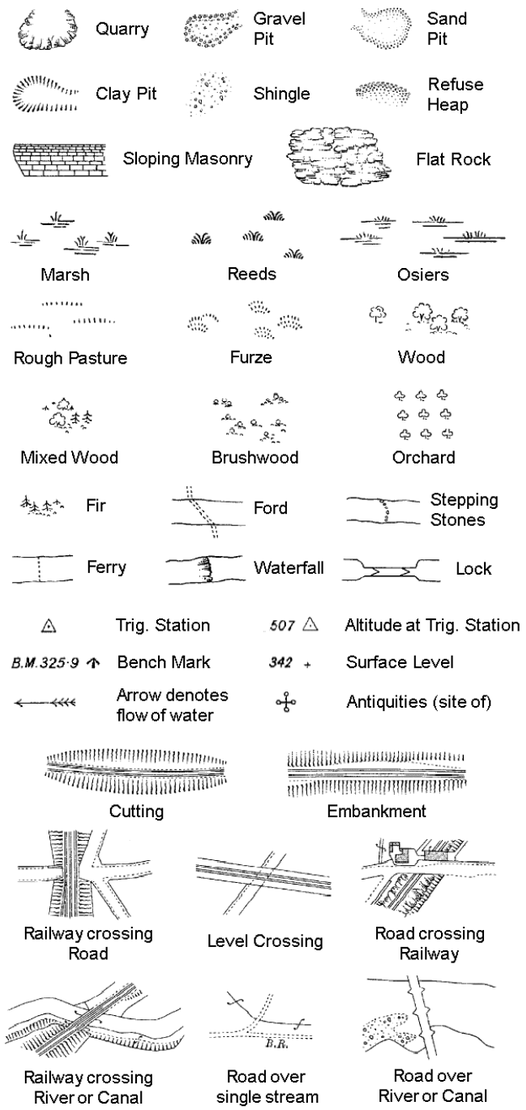
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438000
438200
438400
438600
408400
408200
408000
Small Bridge Dike
Barn
Barn
Barn

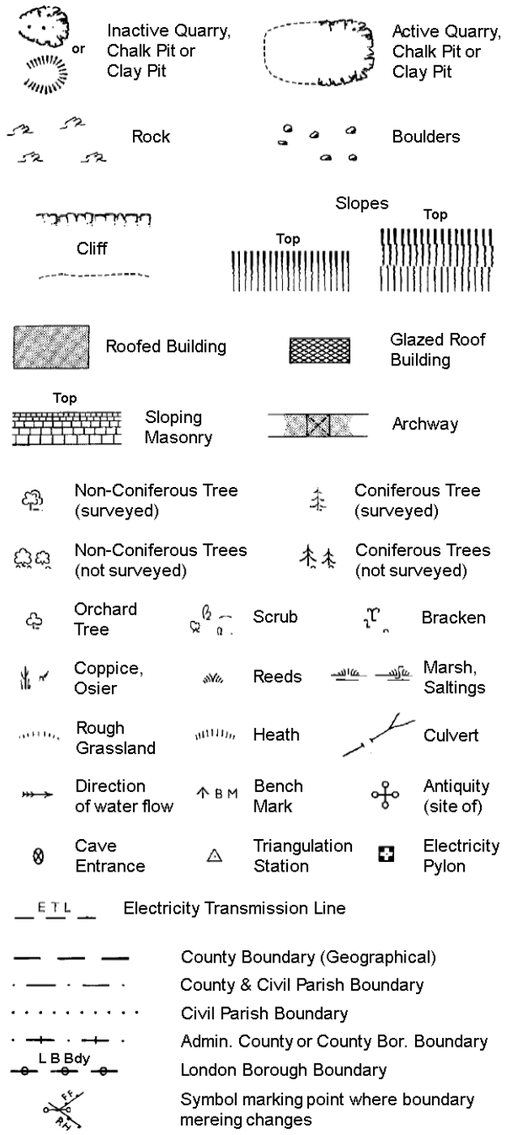
Historical Mappin□ Le□ends

□rdnance Survey County Series and □rdnance Survey Plan 1□2,□00



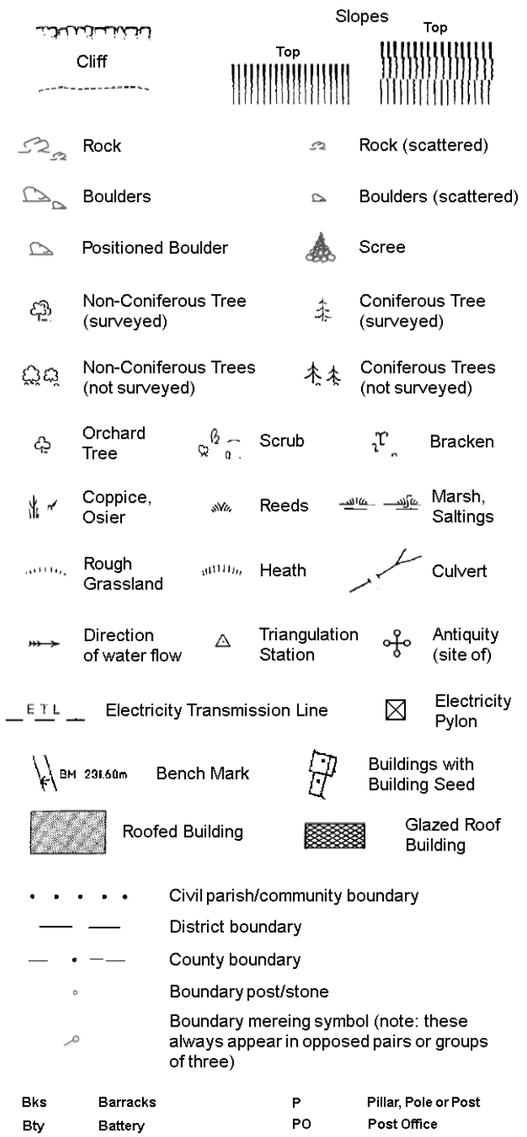
B P B S	Boundary Post or Stone	*P.C.B*	Police Call Box
B.R.	Bridle Road	*P*	Pump
E.P	Electricity Pylon	*S.P*	Signal Post
F.B.	Foot Bridge	*Sl.*	Sluice
F.P.	Foot Path	*Sp.*	Spring
G.P	Guide Post or Board	*T.C.B*	Telephone Call Box
M.S	Mile Stone	*Tr.*	Trough
M.P M.R	Mooring Post or Ring	*W*	Well

□rdnance Survey Plan, Additional S□Ms and Supply o□□npublished Survey □n□ormation 1□2,□00 and 1□1,2□0



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Lar□e Scale National □rid Data 1□2,□00 and 1□1,2□0



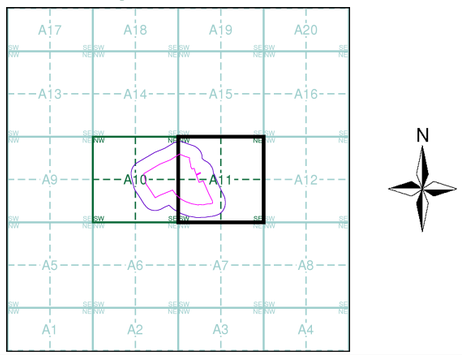
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

sirius

Historical Mappin□ & Photo□raphy included□

Mappin□ Type	Scale	Date	P□
□or□shire	1□2,□00	18□3	2
□or□shire	1□2,□00	1□06	3
□or□shire	1□2,□00	1□31	4
□rdnance Survey Plan	1□2,□00	1□62	□
□rdnance Survey Plan	1□2,□00	1□□0 □1□84	6
□rdnance Survey Plan	1□1,2□0	1□□6 □1□□□	□
Supply o□□npublished Survey □n□ormation	1□2,□00	1□□6	8
Additional S□Ms	1□2,□00	1□83 □1□88	□
Additional S□Ms	1□1,2□0	1□84 □1□88	10
Additional S□Ms	1□1,2□0	1□□0	11
Lar□e□Scale National □rid Data	1□2,□00	1□□3	12
Lar□e□Scale National □rid Data	1□1,2□0	1□□3	13
Lar□e□Scale National □rid Data	1□1,2□0	1□□6	14

Historical Map □Se□ment A11



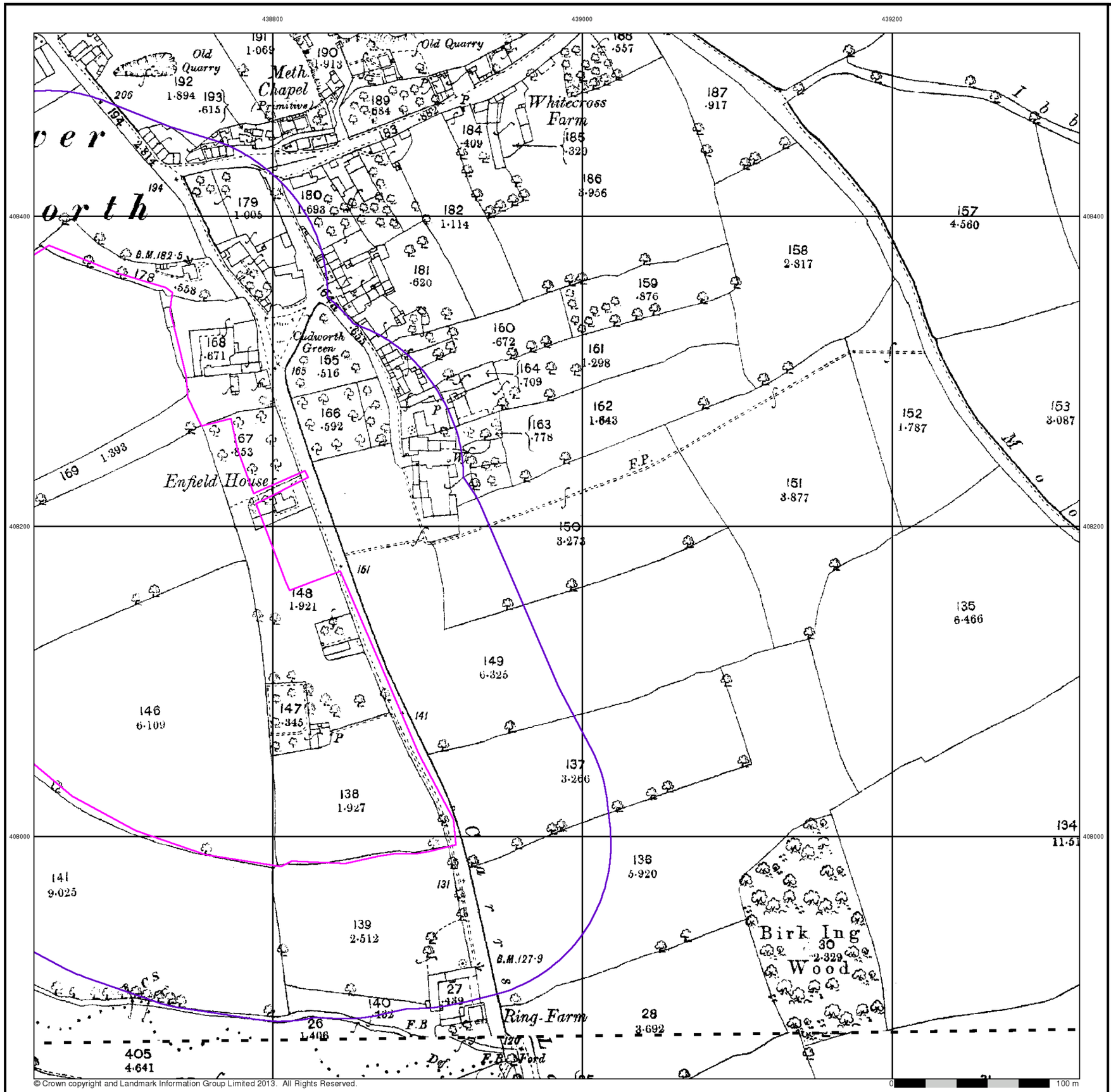
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Order Number: 59383606_1_1
Customer Ref: C6138/MB
National Grid Reference: 438650, 408150
Slice: A
Site Area (Ha): 12.41
Search Buffer (m): 100

Site Details

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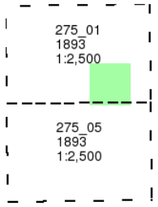
□or□shire

Published 18□3

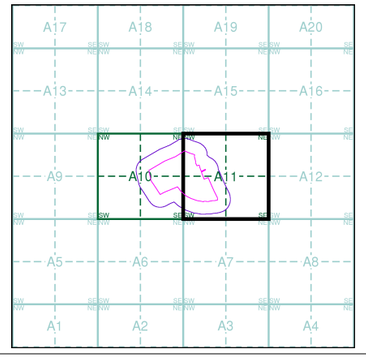
Source map scale □1□2,□00

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Map Name□s□and Date□s□



Historical Map □Se□ment A11



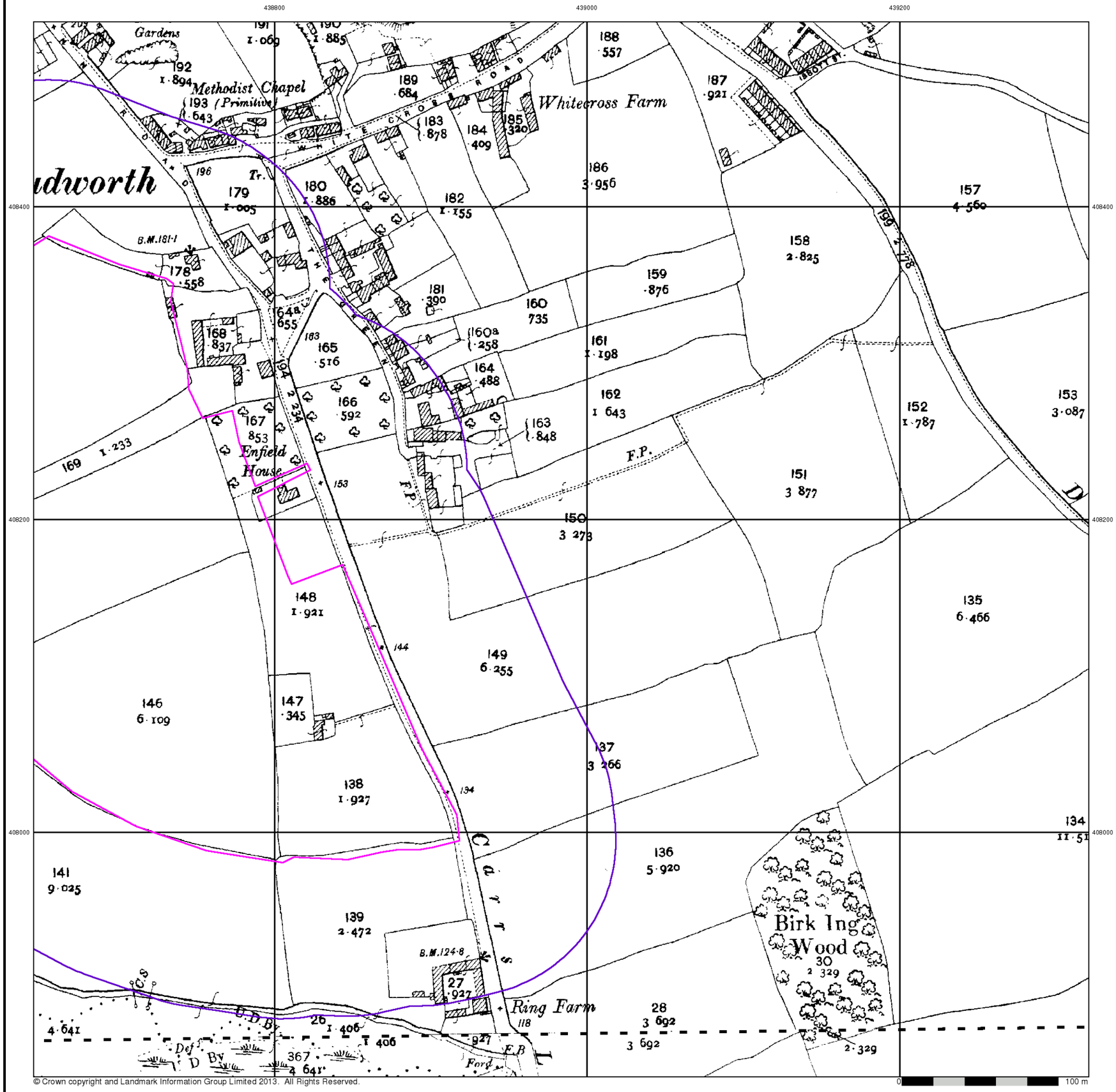
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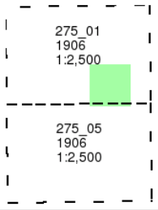
□or□shire

Published 1□06

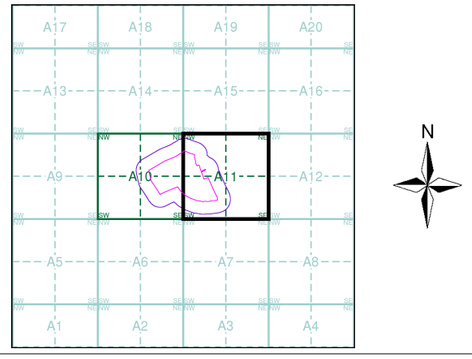
Source map scale □1□2,□00

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Map Name□s□and Date□s□



Historical Map □Se□ment A11



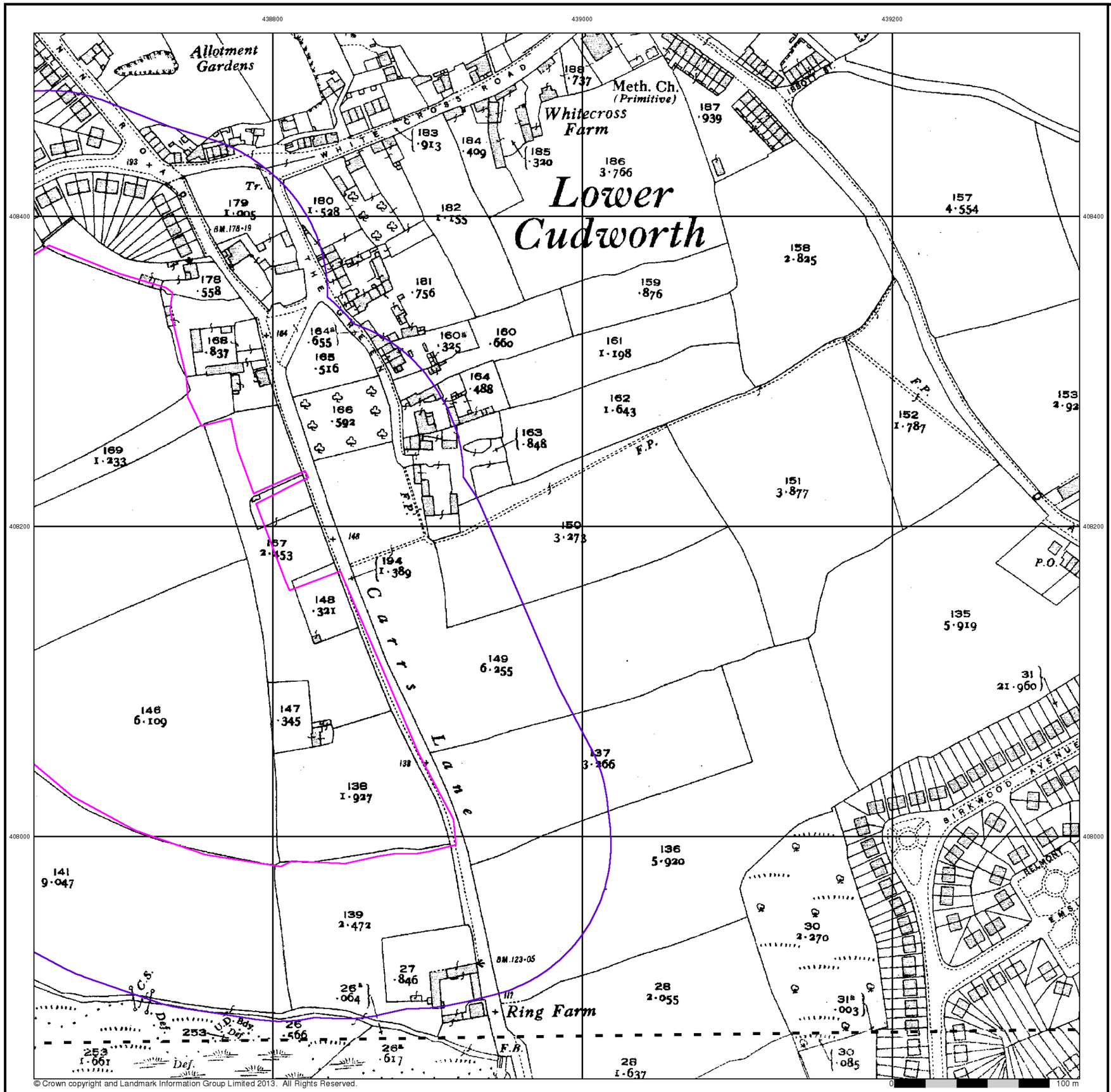
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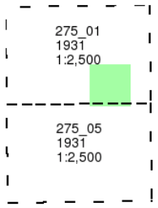
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Published 1□31

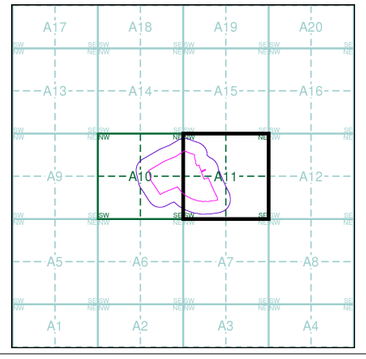
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Map Name□s□and Date□s□



Historical Map □Se□ment A11



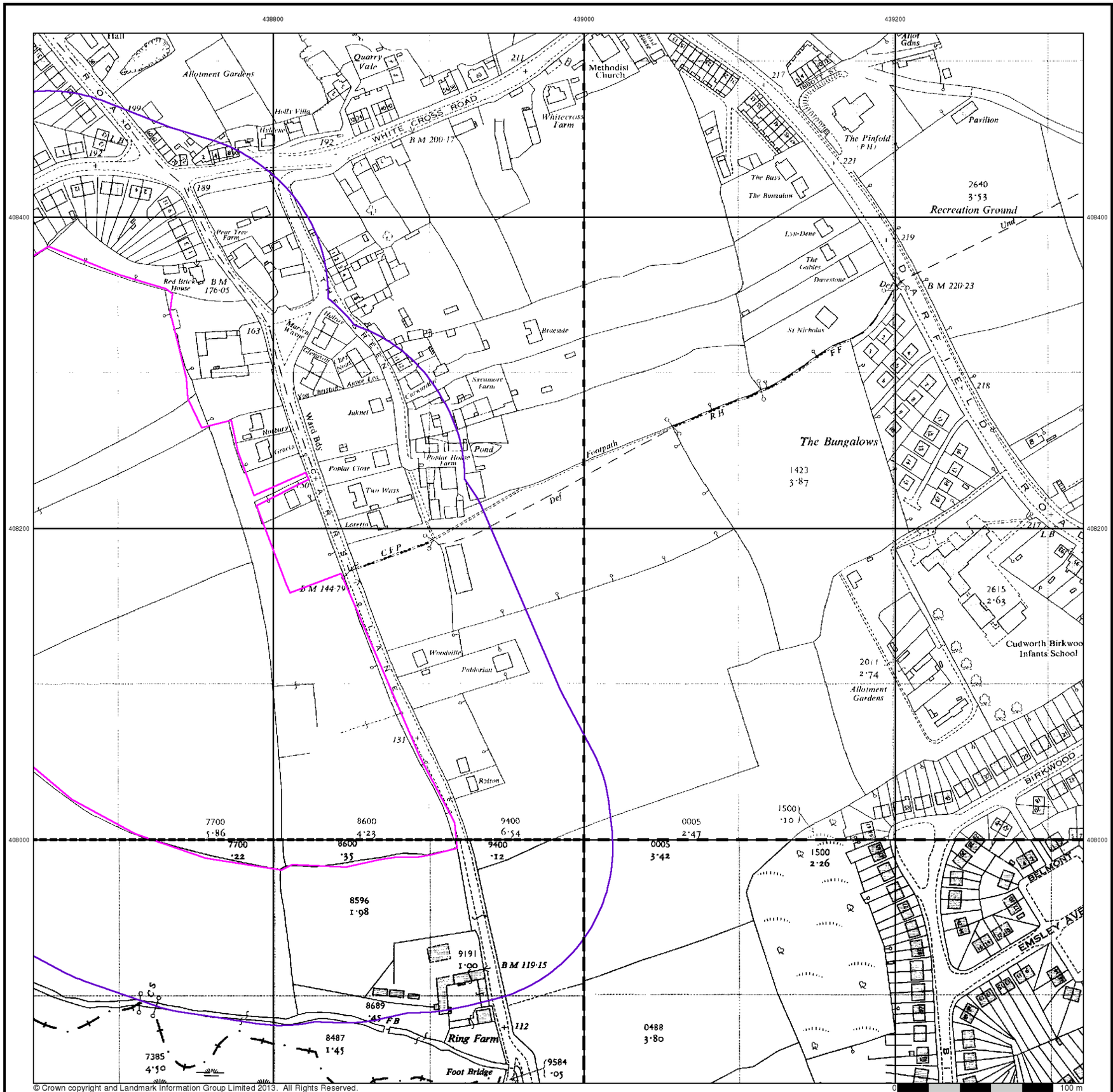
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Ordnance Survey Plan

Published 1:62

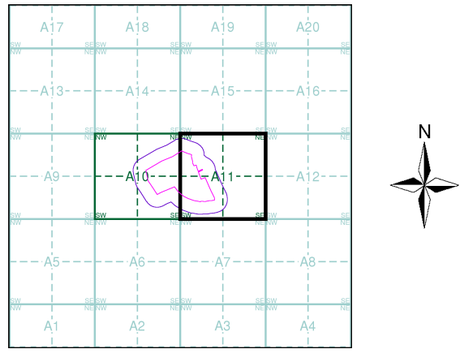
Source map scale 1:2,500

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Map Names and Dates

SE3808 1962 1:2,500	SE3908 1962 1:2,500
SE3807 1962 1:2,500	SE3907 1962 1:2,500

Historical Map Segment A11



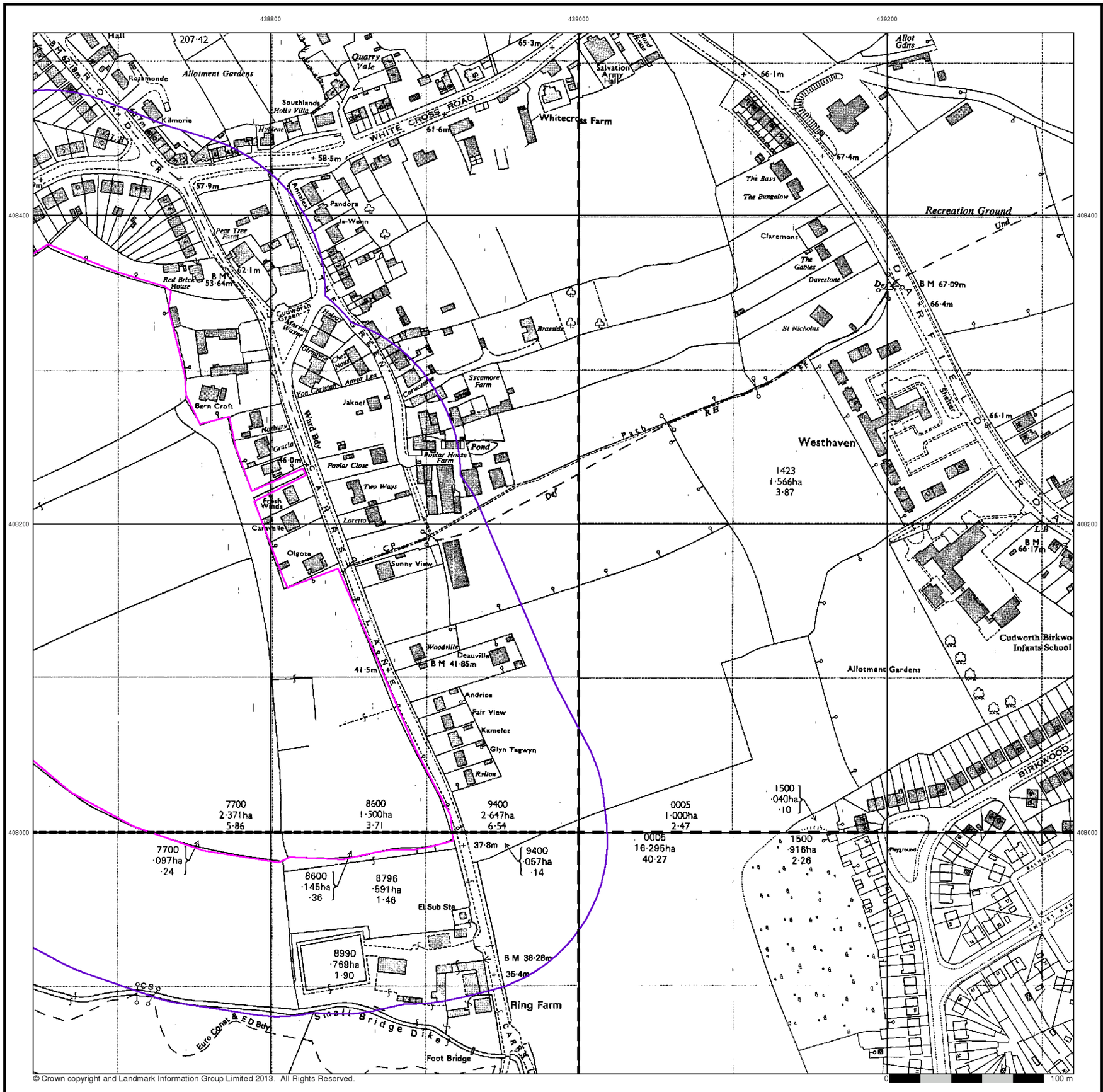
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Ordnance Survey Plan

Published 1□□0 □1□84

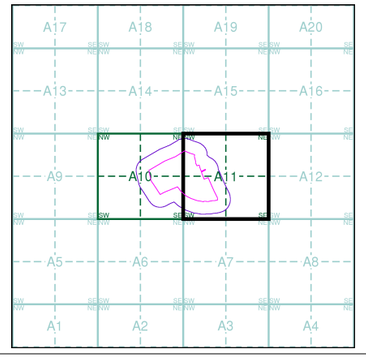
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Map Name□s□and Date□s□

SE3808 1970 1:2,500	SE3908 1970 1:2,500
SE3807 1984 1:2,500	SE3907 1984 1:2,500

Historical Map □Se□ment A11



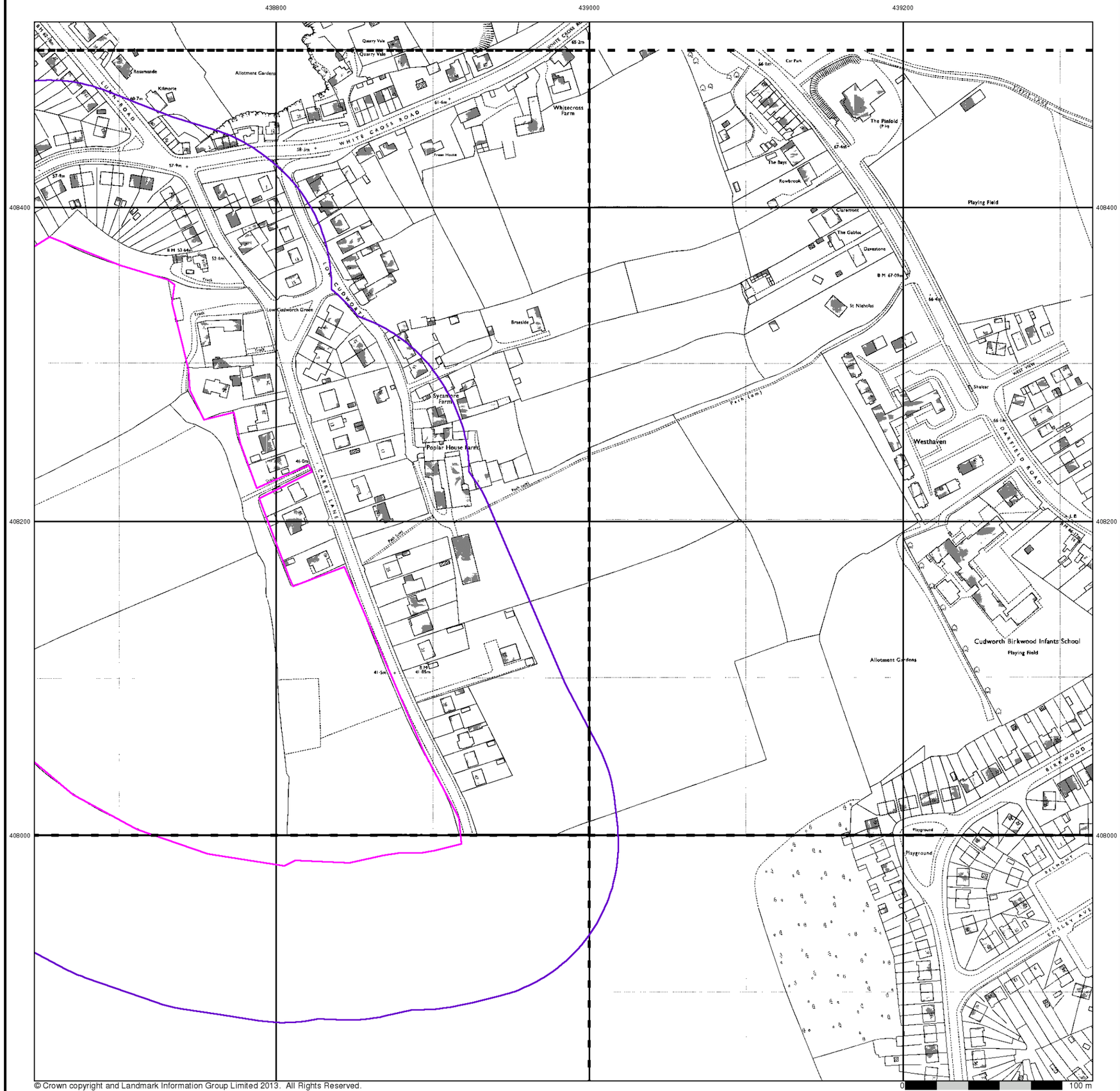
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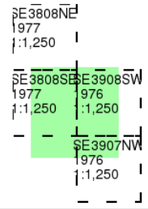
Ordnance Survey Plan

Published 1□□6 □1□□□

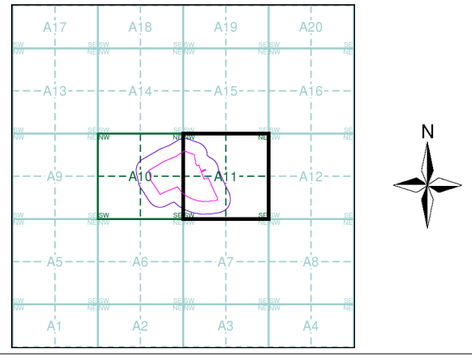
Source map scale □1□1,2□0

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Map Names and Dates



Historical Map Segment A11



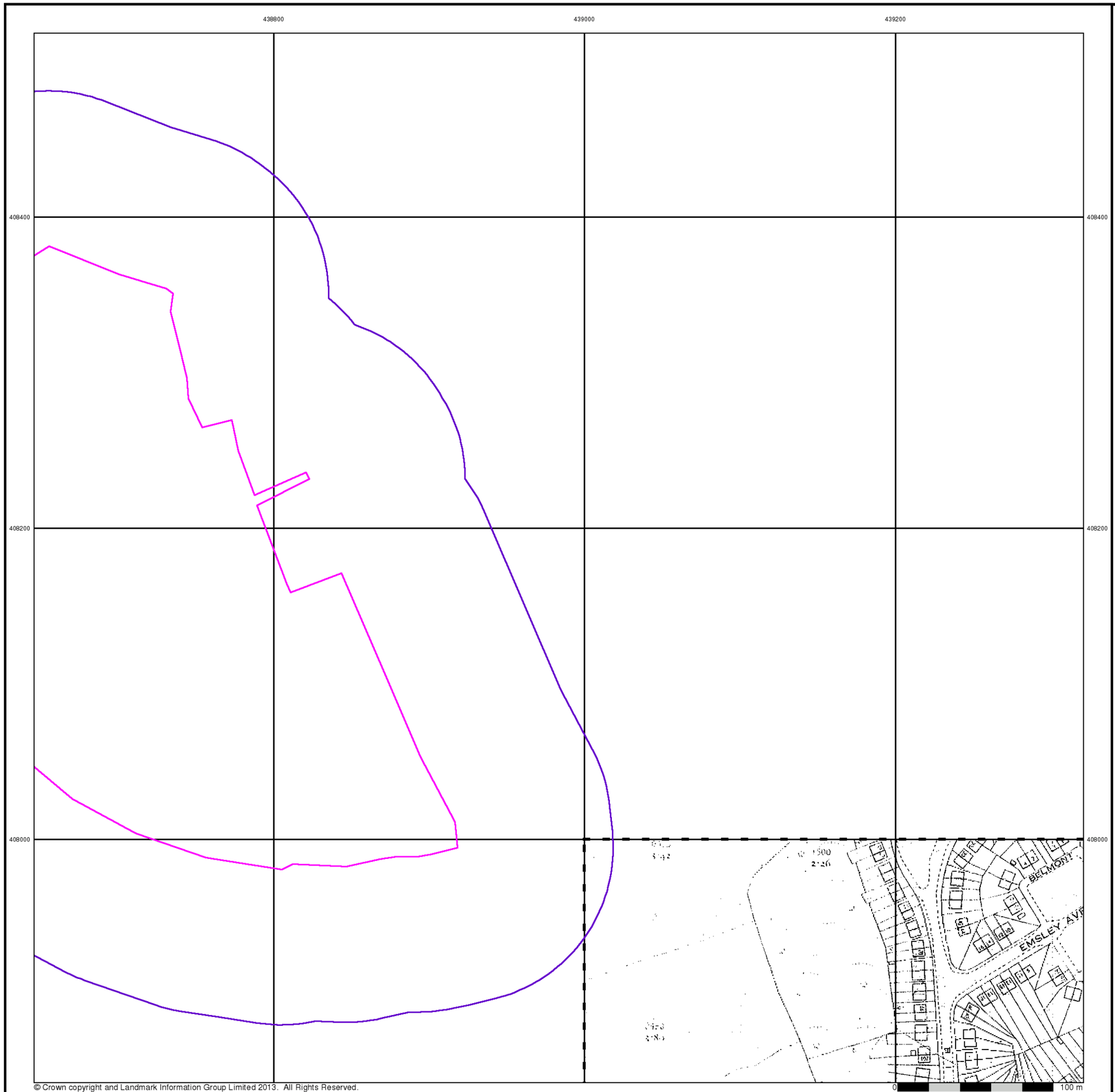
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Supply o□□npublished Survey □n□ormation

Published 1□□6

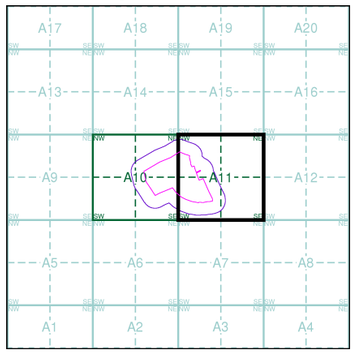
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SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were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

Map Name□s□and Date□s□

SE3907
1976
1:2,500

Historical Map □Se□ment A11



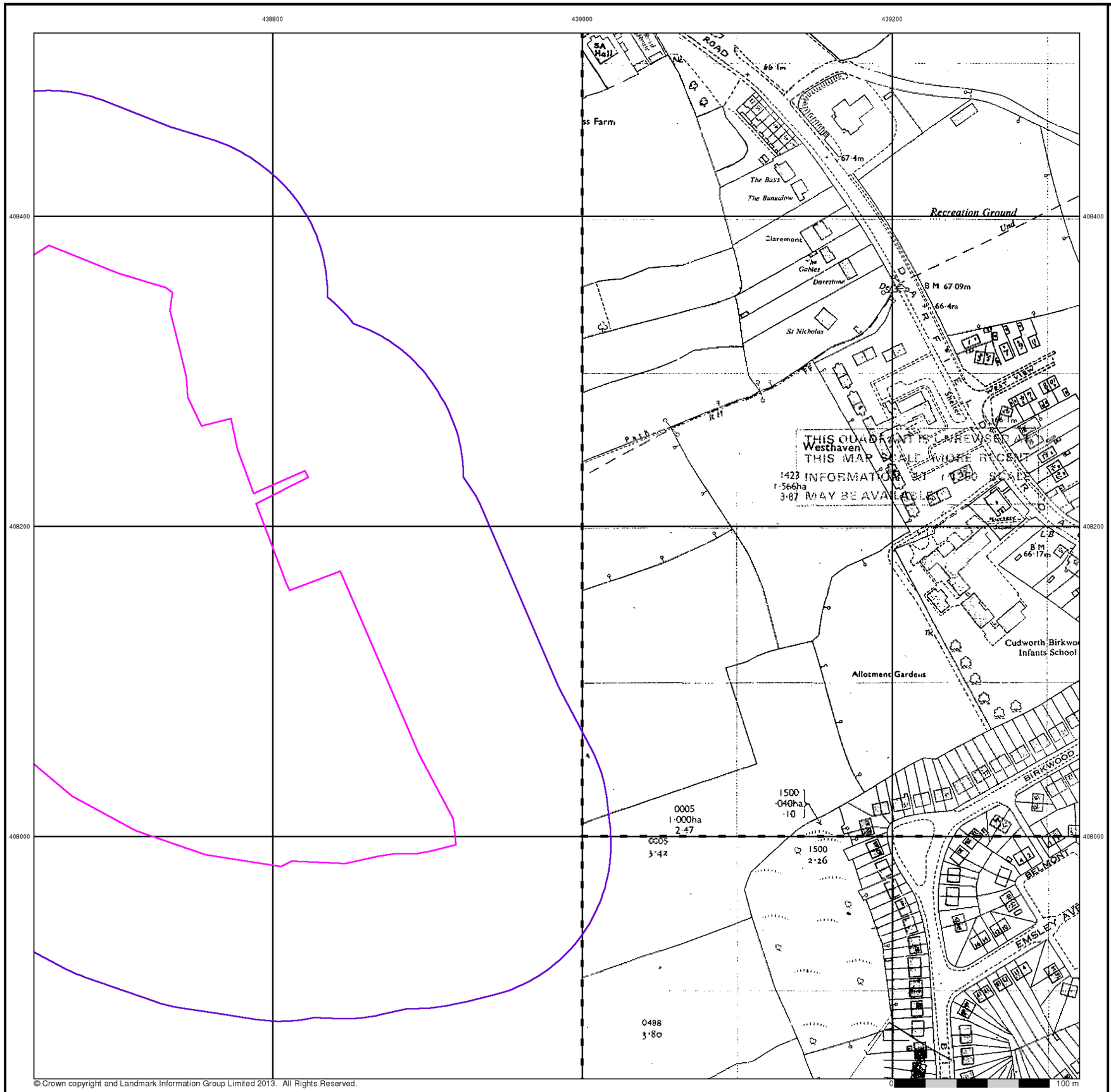
□rder Details

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Customer Ref:	C6138/MB
National Grid Reference:	438650, 408150
Slice:	A
Site Area (Ha):	12.41
Search Buffer (m):	100

Site Details

Carrs Lane, Cudworth, Barnsley

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



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Additional S□Ms

Published 1□83 □1□88

Source map scale □1□2,□00

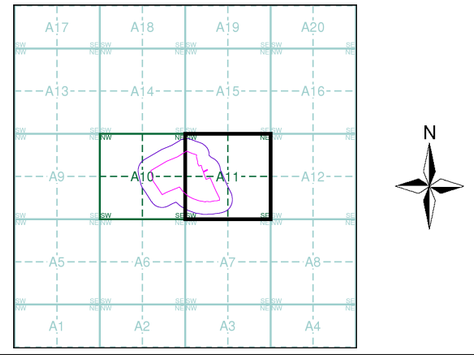
The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name□s □and Date□s□

SE3908
1988
1:2,500

SE3907
1983
1:2,500

Historical Map □Se□ment A11



□rder Details

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Additional S□Ms

Published 1□84 □1□88

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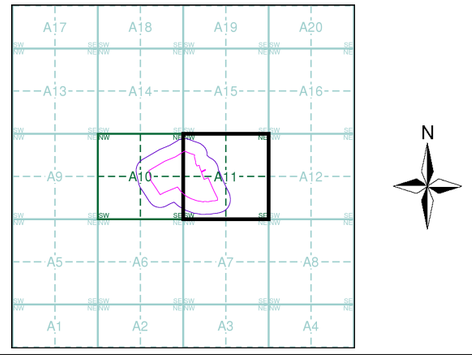
The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name□s □and Date□s□

SE3808NE
1984
1:1,250

SE3908SW
1988
1:1,250

Historical Map □Se□ment A11



□rder Details

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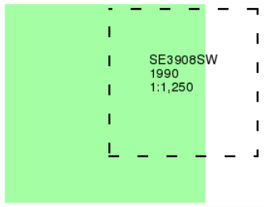
Additional S□Ms

Published 1□□0

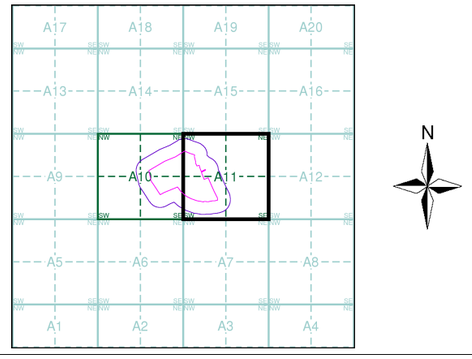
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The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information 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 □Se□ment A11



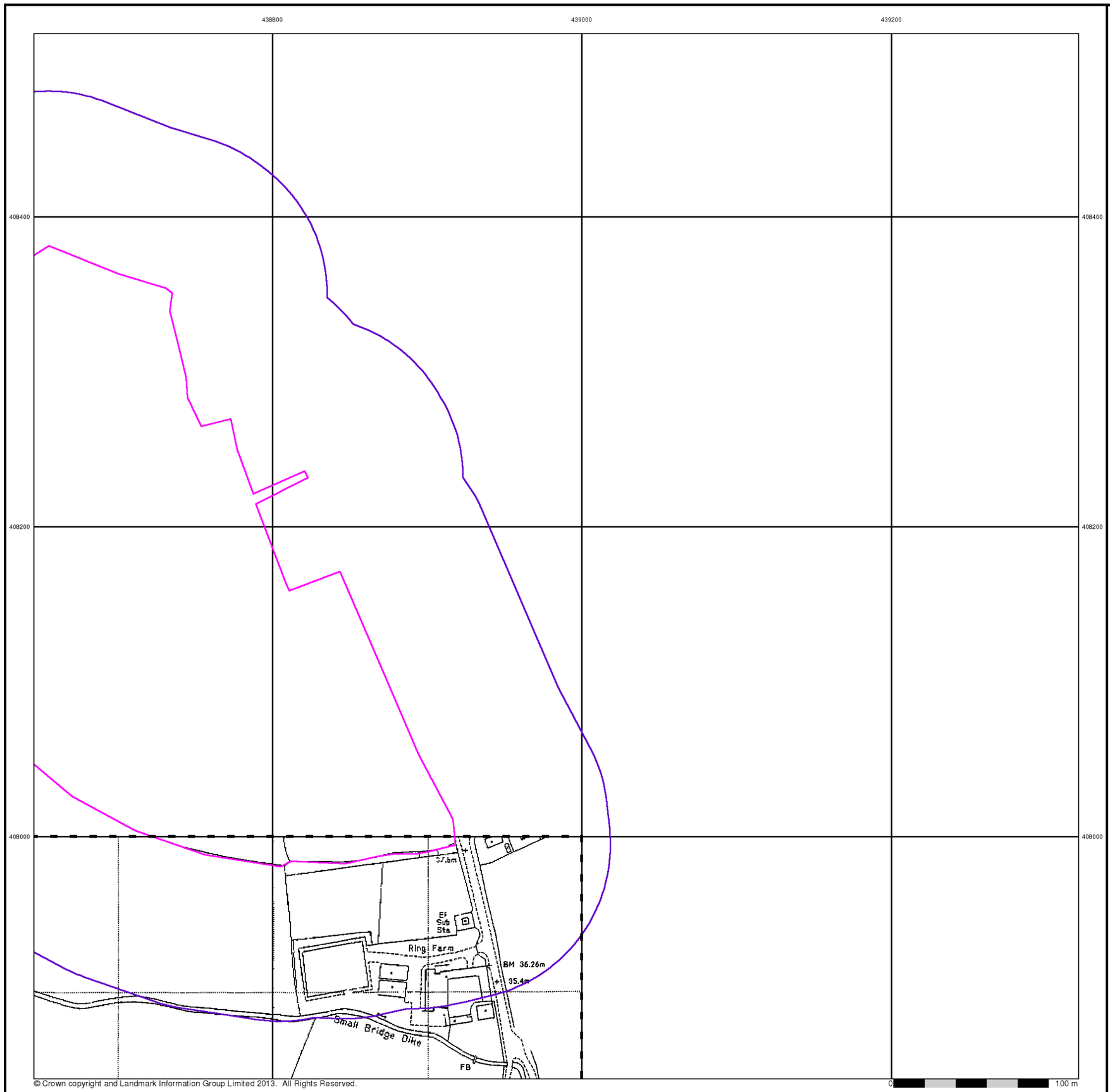
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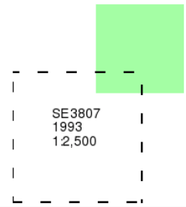
Large Scale National Grid Data

Published 1□□3

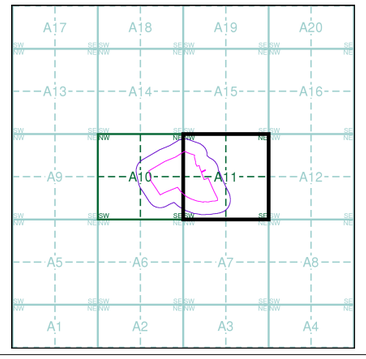
Source map scale □1□2,□00

'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 □Se□ment A11



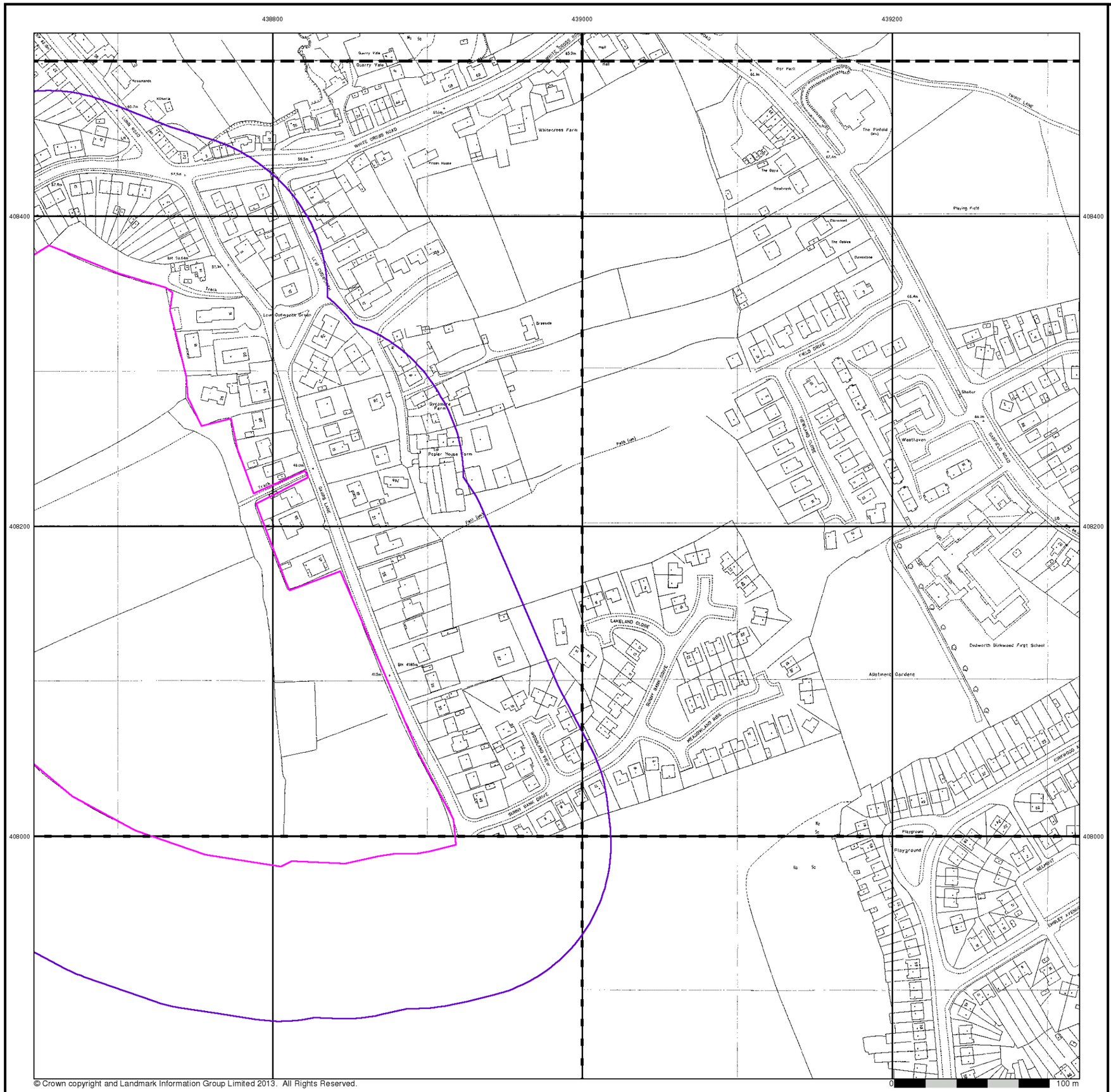
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Large Scale National Grid Data

Published 1□□3

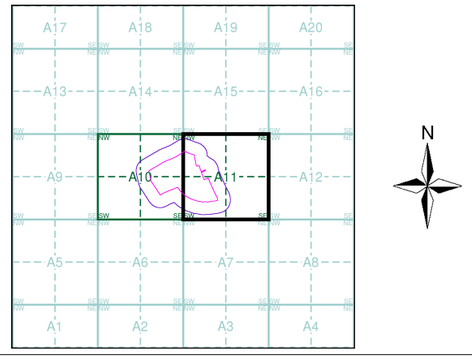
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'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information 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 □

SE3808NE 1993 1:1,250
SE3908NW 1993 1:1,250
SE3808SE 1993 1:1,250
SE3908SW 1993 1:1,250
SE3907NW 1993 1:1,250

Historical Map □Se□ment A11



□rder Details

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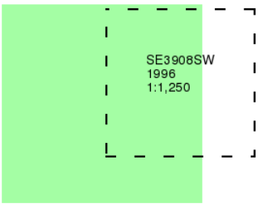
Lar□e□Scale National □rid Data

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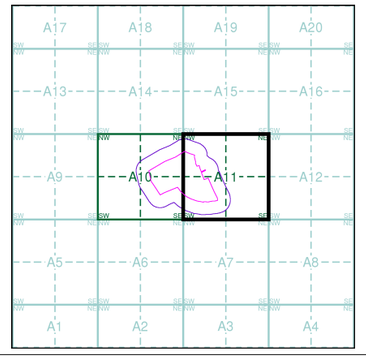
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Map Name□s□and Date□s□



Historical Map □Se□ment A11



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Site Area (Ha):	12.41
Search Buffer (m):	100

Site Details

Carrs Lane, Cudworth, Barnsley

Landmark® Information Group

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APPENDIX C

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:	**51000608546001**
Your reference:	**59383606_2|**
Date of your enquiry:	**15 August 2014**
Date we received your enquiry:	**15 August 2014**
Date of issue:	**15 August 2014**

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

Non-Residential Coal Authority Mining Report

CARRS LANE, CUDWORTH, BARNSLEY, SOUTH YORKSHIRE,

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

Coal mining	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 7 seams of coal at 250m to 660m depth, and last worked in 1991.

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. The potential presence of coal workings at or close to the surface should be considered prior to any site works or future development activity. Your attention is drawn to the Comments on Coal Authority Information section of the report.

Present

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

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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.

There is no record of what steps, if any, have been taken to treat the mine entry.

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

A damage notice or claim for alleged subsidence damage was made in September 1995 for 40 CARRS LANE, CUDWORTH, BARNSLEY, SOUTH YORKSHIRE, S72 8EJ. However, the claim was rejected.

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

There are a further 2 claim(s) within 50 metres of the property boundary that do not match the property address. These are shown on the attached plan.

© The Coal Authority

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.

If further subsidence damage claims information is required in addition to that provided in this report, the Authority need to manually search their records. For further advice on how to order this additional information visit www.groundstability.com or telephone 0845 7626 848.

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 1951, 1962, 1977, 1981.

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.

© The Coal Authority

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.

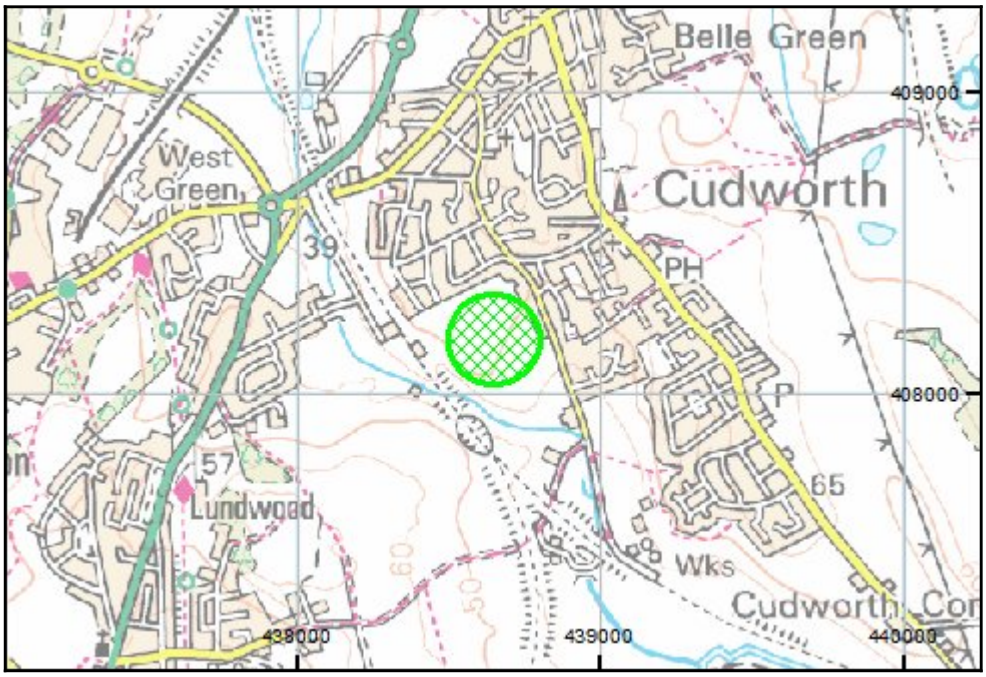
Additional Remarks

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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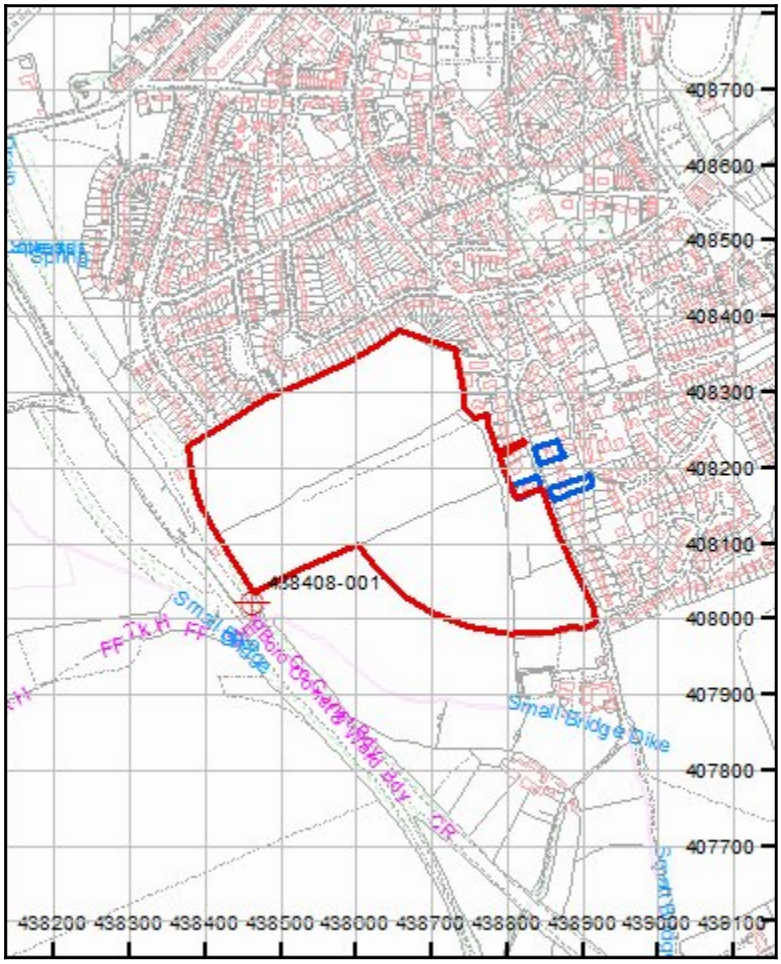
Location map

Approximate position of property



Enquiry boundary

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Key

Approximate position of enquiry boundary shown

Disused Adit or Mineshaft

Coal Claims

Mapping sourced from Ordnance Survey

APPENDIX D

COAL MINING RISK ASSESSMENT

Coal Mining Risk Assessment at land off Carrs Lane, Cudworth, Barnsley, South Yorkshire.

Further to your recent instruction, we are pleased to present a coal mining risk assessment for land off Carrs Lane, Cudworth, Barnsley, South Yorkshire. It is understood that consideration is being given to the development of site for a residential end-use.

This coal mining risk assessment has been prepared in accordance with The Coal Authority General Guidance Notes (January 2011) and follows their Model Report Template.

Site Location and Description.

Location	The site is located off Carrs Lane, Cudworth, approximately 4km north east of Barnsley town centre.
National Grid Reference	438650mE, 408150mN
Topography and Features	The site forms an irregular shaped plot, with its long axis running north to south. The site broadly slopes downwards from north to south east, with an approximate elevation difference of c. 23m. Locally, within the northern portion of the site, there is an approximate elevation difference of c. 9-16m, with the downward slope recorded from the central portion of the site to the east and west. The site generally comprises a set of agricultural fields, defined by a combination of semi-mature trees / mature trees and low-lying shrubs.
Approximate Site Area	12.4 hectares

Site Boundaries	The site boundaries are generally delineated by a combination of wooden panelled and metal palisade fencing, brick, stone and concrete walls, and semi-mature and mature trees, hedges and shrubs. The site is predominantly surrounded by residential dwellings to the north and east. To the sites southern boundary is a large grassed field, beyond which is Small Bridge Dike, aligned north west to south east. Ring Farm, a stable's is recorded to the south east. To the west of the site is the dismantled railway line, which is currently utilised as a public footpath. This feature is shown as a cutting to the north and an embankment to the south of the site.

Proposed Development.

Consideration is being given to the construction of residential housing across the site, up to 2 storey's in height. No layout or levels were available at the time of writing.

Scope of Works.

The scope of proposed works was as follows:

- To present a desk based review of all available information on the coal mining issues which are relevant to the application site.
- To assess the risks to the proposed development from coal mining legacy, including the cumulative impact of issues.
- To set out appropriate mitigation measures to address the coal mining legacy issues affecting the site, including any necessary remedial works and/or demonstrate how coal mining issues have influenced the proposed development.
- Demonstrate to the local planning authority that the application site is, or can be made, safe and stable to meet the requirements of national planning policy with regard to development of unstable land.
- To look at the viability of 'Prior Extraction' before development commences.

Sources of Information Used.

The following sources of information have been used in compiling this report:

- A Coal Authority site specific mining report referenced 51000608546001 (dated 15th August 2014).
- British Geological Survey map 1:10,000 scale Sheet SE 30 NE.
- Historical Ordnance Survey (OS) maps for the site (obtained by Sirius from Landmark Information Group).
- BGS borehole records.
- Sirius Preliminary Appraisal Report (Desk Study), dated September 2014, referenced C6138.

Identification and Assessment of Site Specific Coal Mining Risks.

Table 1 summarises the potential risks associated with coal mining legacy for the proposed development:

Table 1: Potential Risks Associated with Coal Mining Legacy

Coal Mining Issue	Yes	No	Risk Assessment
Underground Coal Mining (recorded at shallow depths)		✓	The CA states that according to its records the property is within the likely zone of influence from past underground workings in seven seams of coal at 250m to 660m depth. The shallowest recorded worked seam is conjectured to be the Low Beamshaw Coal Seam. Any ground movements should have stopped by now.
Unrecorded underground Coal Mining (potentially at shallow depth)	✓		The site lies within an area where the CA believes there is coal at or close to the surface which may have been worked at some time in the past. The BGS 1:10,000 scale map shows the Sharlston Low Coal Seam to outcrop in the western portion of the site, orientated north / south and dipping to the east. The Sharlston Top Coal Seam is conjectured to outcrop on or within proximity to the sites eastern boundary, aligned north / south, dipping to the east. Whilst the CA does not hold any records for these

			seams having been worked, the presence of shallow unrecorded workings within the Sharlston Low / Top Coal Seams cannot be discounted based on desk study evidence alone.
Mine entries (shafts and adits)		✓	None recorded on site, however, the CA records and historical mapping, indicate the presence of an mine entry / airshaft c. 20m to the south west of the site. The approximate position of the mine entry is shown on the site specific CA report (Appendix C) and Site Features Plan (Drawing No. C6138/02, within Appendix A). There are no record of what steps, if any, have been taken to treat the mine entry. The CA state that records may be incomplete. Consequently, there may exist in the local area mine entries of which the CA has no knowledge.
Coal mining geology (fissures)		✓	The CA is not aware of any evidence of damage arising due to geological faults or other lines of weakness that have been effected by coal mining.
Record of past mine gas emissions		✓	There is no record of a mine gas emission requiring action by the CA within the boundary of the property.
Recorded coal mining surface hazard		✓	The CA states that the property has not been subject to remedial works by, or on behalf of, themselves, under its Emergency Surface Hazard Call Out procedures.
Surface Mining (opencast workings)		✓	The CA indicates that the property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

Conclusions and Recommendations

A coal mining risk assessment has been undertaken on behalf of Barratt & David Wilson Homes for a proposed residential development at land off Carrs Lane, Cudworth, Barnsley, South Yorkshire. It is understood the residential development is to comprise the construction of c. 300 two storey residential properties with associated gardens. This assessment has been carried out in accordance with the CA guidance notes and model report template.

The risk assessment has identified that the Sharlston Low, and potentially the Sharlston Top Coal Seams, lie at shallow depth beneath the site. Workings in these seams of coal could affect surface

stability of the site and warrants further investigation to accurately assess the risks, in relation to the proposed development of the site.

The potential for any possible workings beneath the site to affect surface stability is dependent upon their depth, thickness and extent. Further work is required to identify these parameters. Following this work, should surface stability be considered to be at risk from historic mining, then consideration may have to be given to either extracting the coal by opencast methods or stabilising the mine workings (by drilling and grouting or other means) prior to construction.

The viability of coal extraction is dependent on a number of factors, including depth to coal, coal thickness, coal quality, market value, etc. The data set from which much of an assessment can be undertaken can be obtained from a ground investigation.

In addition, from review of the CA mining report a mine entry / airshaft is recorded c. 20m to the south west of the site. At this stage, there are no records of any treatment having been afforded.

The risks identified above associated with potential coal workings are not unusual on sites being developed/redeveloped in coalfield areas and can be easily addressed/mitigated through widely practiced ground engineering solutions, and, as such, should not preclude planning permission. It is anticipated however that conditions requiring investigation of the site will be attached to any permission.

As a provisional scope (provided as a guideline at this stage), it is recommended that the following works are undertaken to assess the impact of shallow coal below the site:

- Acquisition of a Coal Authority license to enter and/or disturb Coal Authority property. (A Coal Authority license must be acquired and be in place before any works outlined below can commence);
- Drilling of rotary probeholes to provide an initial assessment of ground conditions in relation to historic mining.

Furthermore to the works outlined above, an assessment of risks from ground gas associated with underground mining is likely to be required by the Local Planning Authority as part of any future planning conditions for the site.

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