Build Vision
Consulting Engineers

PROPOSED RESIDENTIAL DEVELOPMENT AT MIDGE HALL, 687 BURY ROAD, ROCHDALE OL11 4AU

PHASE 1 DESK STUDY REPORT

Client:

Wiggett Construction Ltd
Viking House
449 Middleton Road
Chadderton
Oldham
OL9 9LB

Consultant:

Build Vision Ltd
Consulting Engineers
Suite 1, Westleigh House
Wakefield Road
Denby Dale
Huddersfield
HD8 8QJ

Job No: 1250

September 2018

REVISION SHEET

Revision	Date	Revision
1st Issue	September 2018	

EXECUTIVE SUMMARY

Development Proposals	Residential development with associated access road, hard paved areas, driveways and gardens.
Site Description	Occupied by Midge Hall house and garage in the northwest area and garage and outbuildings in the southeast area, paving, tarmac drive, paths and gardens, numerous trees. Residential and woodland adjacent to site.
Site History	**On site:** Fields, Midge Hall house, garage, outbuildings. **Adj. site:** Fields, Residential.
Geology	Devensian Till (Boulder Clay) and Sands and Gravels drift deposits. Pennine Lower Coal Measures solid deposits.
Mining	Geology maps indicate adequate rock cover to the Royley Mine coal seam, the risk from shallow mining is therefore considered low.
Surface Water	Un-named tributary to River Roch 39m east. River Roch 259m southeast.
Ground Water	Drift - Secondary A Aquifer Bedrock – Secondary A Aquifer
Radon	Lower and Intermediate probability radon area (< 1% and 1%-3% homes estimated above Action level). No radon protection measures are necessary.
Landfill Gas	**On site:** General fill and demolition fill associated with residential. **Off site**: Historical landfill site-Meadowcroft Mills 243m southwest, ponds, reservoirs, pits and quarries 80m to 250m. Clay and Sands and Gravels drift deposits.
Contamination	General fill and demolition fill, organic materials/silts/ sediments associated with infilled ponds and watercourses. Potential Contaminants Asbestos, Heavy Metals, PAH's, TPH's.
Remediation	Intrusive Investigation, testing and gas monitoring to be carried out. Allow for 600mm capping layers to gardens. Allow for CS2, NHBC Amber 1 gas protection measures.
Contamination Liability	The site is unlikely to be classified by the Local Authority as 'Contaminated Land' or designated a 'Special Site' under the Contaminated Land Regulations, provided remediation measures are carried out.
Foundations	Clay and Sands and Gravels drift deposits should be relatively shallow and suitable for strip and pad foundations, to be confirmed by intrusive investigation.
Flood Risk	The EA flood risk maps indicate that the site is in Flood Zone 1 and not a known flood risk area.

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1 INTRODUCTION

1.1 Appointment

1.1.1 Build Vision Consulting Engineers were appointed by Wiggett Construction Ltd. to carry out a Phase 1 Desk Study for the site.

1.2 Development Proposals

1.2.1 The proposed development comprises the construction of new residential properties with associated access road, hard paved areas, driveways and gardens as shown on the proposed site plan enclosed in Appendix A.

1.3 Desk Study Objectives

1.3.1 The desk study was carried out in accordance with BS10175 Investigation of potentially contaminated sites and BS5930 Code of practice for site investigations.

1.3.2 The purpose of the desk study was to identify potential environmental and geotechnical hazards to the proposed development to undertake environmental risk assessments and recommendations. The desk study was carried out in May 2018 and involved: -

- A walk over survey of the site
- Review of Environmental Data (Appendix A)
- Review of Historical Maps (Appendix A)
- Review of Geological Maps
- Review of Coal Mining Reports (Appendix A)

1.3.3 The desk study results are presented and assessed in the following sections and appendices of this report.

2 DESK STUDY

2.1 Site Location

2.1.1 The site is located adjacent to Bury Road in Rochdale as shown on the site plan enclosed in Appendix A.

2.2 Site Description

2.2.1 The site is an approximately rectangular shaped parcel of land occupying approximately 0.4 hectares. The site is occupied by Midge Hall comprising of the large two storey rendered brick residential property and adjoining garage in the northwest area and separate garage and outbuildings in the southeast area of the site. The house is surrounded by stone flag paving and tarmac driveways and paths with steps down to landscaped garden areas with numerous mature and semi mature trees and shrubs. There is a stone retaining wall to the north boundary with a gated vehicular access off Bury Road, metal palisade fences to the east and west and concrete post and panel and timber fences to the south boundaries as shown on the topographical survey and site photos enclosed in Appendix A.

2.2.2 There was no visible or olfactory evidence of contamination on the site.

2.2.3 The site is surrounded by residential properties to the north, south and west and a woodland with a stream to the east of the site.

2.3 Site History

2.3.1 The site history has been assessed by a review of landmark historical maps, which are included in Appendix A.

2.3.2 The 1851 map shows the site as part of a field adjacent to Bury Road. There is a stream shown approx. 40m east and woodland approx. 50m southeast. Meadowcroft Colliery is shown approx. 200m north, a sandstone quarry 230m north and Broadhalgh Fulling Mill 240m southeast. There is a watercourse shown approx. 200m west and a reservoir approx. 250m northwest of the site. The River Roch is approx. 255m south and there is another coal pit shown approx. 300m east of the site.

2.3.3 The 1890 and 1893 maps show no significant changes on the site. The woodland is now shown to the east and there are ponds shown approx. 80m and 140m northeast, reservoirs approx. 200m to 250m northwest, west and southwest, woollen mills shown 250m southeast and cotton mills 250m southwest of the site.

2.3.4 The 1910 and 1911 maps show no significant changes.

2.3.5 The 1930 and 1932 maps show no significant changes on the site. There is a sewage works now shown approx. 200m southwest of the site.

2.3.6 The 1937 map shows Midge Hall house in the northwest area of the site with woodland shown on the northeast area.

2.3.7 The 1938 map shows the building in the northeast area of the site, but the published dates are often later than the survey dates and it is assumed that this was surveyed prior to the 1937 map as houses to the north shown on the 1937 map are not shown.

2.3.8 The 1956 map shows the building in the northwest area as the 1937 map.

2.3.9 The 1957 map shows several greenhouses and garage/outhouse buildings and a driveway on the site. There is significant housing development shown approx. 150m northeast and 250m southwest of the site.

2.3.10 The 1968 map shows no significant changes.

2.3.11 The 1970 map shows no significant changes on the site. There is now significant housing development shown surrounding the site.

2.3.12 The 1975, 1977 and 1988 maps show no significant changes.

2.3.13 The 1990 map shows the greenhouse buildings are no longer on the site.

2.3.14 The 1992, 1993 and 1999 maps show no significant changes.

2.3.15 The 2000 aerial map shows the garage in the southeast area of the site and numerous trees on the site.

2.3.16 The 2006 and 2018 maps show no significant changes.

2.4 Geology and Mining

2.4.1 Historical maps indicate that the site was part of a field prior to the Midge Hall buildings occupying the site. The site may have been regraded and shallow made ground deposits may be present beneath the site as general fill and demolition fill.

2.4.2 British Geological Society (BGS) Geology Maps indicate Devensian Till (Boulder Clay) and Sands and Gravels drift deposits are recorded to be present beneath the site.

2.4.3 Solid geology is recorded to be the Pennine Lower Coal Measures Formation as mudstone, siltstone and sandstone present beneath the site.

2.4.4 Coal mining reports have been obtained and these are enclosed in Appendix A. The reports confirm that the site is not within a surface area that could be affected by recorded past underground mining. However, the site 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.

2.4.5 There are no known coal mine entries within, or within 100m of the boundary of the site.

2.4.6 The site lies outside the Cheshire Brine Compensation District.

2.4.7 The coal authority interactive map indicates probable shallow coal mine workings beneath the southeast corner of the site and hence this is considered a development high risk area.

2.4.8 Geology Maps indicate that the Arley (Royley) Mine is conjectured to outcrop approx. 180m south of the site from northeast to west with dip angles of 1 in 5 and 6 to the northwest noted indicating that the coal seam could be present at depths of 30m to 50m beneath the drift deposits beneath the site. A BGS borehole 250m south recorded drift to 6.5m over soft shale to 59m over hard shale and a BGS borehole 800m north recorded drift to 19m over shale to 24m over sandstone.

2.4.9 Coal workings with ten times the thickness of the worked coal seam of rock are considered to have adequate rock cover. Geology memoirs indicate that the Royley Mine coal seam thickness is recorded as 3 to 5 feet (0.9m to 1.5m), therefore adequate rock cover would be 15m. As the geology maps indicate 30m to 50m of rock cover should be present above the coal seam, if the coal seam had been worked and if collapse did occur it would be unlikely to cause settlement at the surface. The risk from shallow mining at the site is therefore considered low.

2.5 Hydrogeology

2.5.1 The drift deposits and the bedrock are designated as a Secondary A (Minor) Aquifers. These are 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.

2.5.2 The site is not located within a source protection zone.

2.5.3 The nearest ground water abstraction recorded is 213m south at Meadowcroft Mills for manufacturing. There are no drinking water abstractions within 500m of the site.

2.6 Hydrology

2.6.1 The nearest surface water feature recorded is an un-named tributary to the River Roch 39m east of the site. There is a further un-named tributary to the River Roch 177m southwest. The River Roch is 259m southeast of the site.

2.6.2 The nearest surface water abstraction recorded is 168m southwest at Meadowcroft Mills from a reservoir for a boiler feed. There are no drinking water abstractions recorded within 500m of the site.

2.6.3 The Environment Agency flood zone maps indicate that the site is in Flood Zone 1 and not in a known flood risk area.

2.7 Radon

2.7.1 Information relating to radon obtained from the National Radiological Protection Board and the BGS indicates that the site is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action level) and an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action level). No radon protection measures are necessary in the construction of new dwellings or extensions.

2.8 Potential Sources of Contamination

2.8.1 Historical maps indicate that the site was part of a field prior to the Midge Hall buildings occupying the site. The site may have been regraded and shallow made ground deposits may be present beneath the site as general fill and demolition fill. These are unlikely to be significant sources of contamination. Potential contaminants associated with general fill and demolition fill are asbestos, heavy metals, polyaromatic hydrocarbons (PAH's) and Total Petroleum Hydrocarbons (TPH's).

2.8.2 There was no visible or olfactory evidence of contamination on the site.

2.8.3 The site is surrounded by residential properties to the north, south and west and a woodland with a stream to the east of the site and was previously surrounded by fields and residential properties, therefore made ground deposits present adjacent to the site if any are likely to be general fill and demolition fill associated with these. Potential contaminants are asbestos, heavy metals, PAH's and TPH's.

2.8.4 The risk to receptors from contamination at the site is therefore considered low.

2.9 Potential Sources of Landfill Gas

2.9.1 Historical maps indicate that the site was part of a field prior to the Midge Hall buildings occupying the site. The site may have been regraded and shallow made ground deposits may be present beneath the site as general fill and demolition fill. These are unlikely to be significant potential sources of landfill gases.

2.9.2 BS8485 Code of Practice for the characterisation and remediation from ground gas in affected developments and CIRIA C665 Assessing Risks posed by hazardous ground gases to buildings have been used to assess the risk from landfill gases and any sources of landfill gases within 250m are considered to have the potential to migrate to a site.

2.9.3 There are no BGS or Registered or landfill sites recorded within 250m of the site.

2.9.4 There is 1 historical landfill site recorded within 250m of the site, Meadowcroft Mills 243m southeast of the site, waste details unknown, that is a potential source of landfill gases.

2.9.5 There is potentially infilled land recorded within 250m of the site, (non water-pit, quarry etc.) 108m NW, 190m N and 229m N and (water-pond, marsh, river, stream, etc.) 137m NW, 225m W, 226m NW and 227m W of the site.

2.9.6 Historical maps show potentially infilled land within 250m of the site, ponds 80m and 140m northeast, reservoirs 200m to 250m north, northwest, west and southwest, pits and quarries 200m and 230m north of the site.

2.9.7 Infilled land may contain organic materials/silts/sediments that are potential sources of landfill gases that could migrate to the site.

2.9.8 Geology maps indicate Devensian Till (Boulder Clay) and Sands and Gravels drift deposits present beneath the site. Sands and gravels are a potential pathway for migration of landfill gases from on site and off site sources within 250m of the site.

2.9.9 The risk to receptors from potential landfill gases and mine gases at the site is therefore considered low to medium.

2.10 Conceptual Model

2.10.1 A conceptual model of the site has been produced identifying the sources, pathways and receptors with respect to the proposed development and the effects on the environment and summarised in the following table:

2.10.2 Conceptual Model – Source-Pathway-Receptor

Source	Pathway	Receptor	Risk
Contamination (on site)			
General fill and demolition fill associated with residential	Direct contact, Ingestion, Inhalation	Construction Workers	Low
	Direct contact, Ingestion, Inhalation	End User	Low
	Direct contact	Structures	Low
	Direct contact	Services	Low
Potential Contaminants	Direct contact, Ingestion, Inhalation	Adjacent Land Users	Low
Asbestos, Heavy Metals, PAH's, TPH's	Migration	Groundwater	Low
	Migration	Surface Water	Low
Contamination (adj sites)			
General fill and demolition fill associated with residential	Migration	Construction Workers	Low
	Migration	End User	Low
	Migration	Structures	Low
	Migration	Services	Low
Potential Contaminants			
Asbestos, Heavy Metals, PAH's, TPH's			
Landfill Gases (on site)			
General fill and demolition fill associated with residential	Migration-Asphyxiation, Explosion	Construction Workers	Low
	Migration-Asphyxiation, Explosion	End User	Low
Landfill Gases (within 250m)			
Historical landfill site, Meadowcroft Mills 243m southwest, ponds, reservoirs, pits and quarries, 80m to 250m. Devensian Till (Boulder Clay) and Sands and Gravels drift deposits.	Migration-Asphyxiation, Explosion	Construction Workers	Low/Med
	Migration-Asphyxiation, Explosion	End User	Low/Med

3 REMEDIATION STRATEGY AND FURTHER SITE INVESTIGATION RECOMMENDATIONS

3.1 General

3.1.1 The Site Investigation Conceptual Model indicates that there are Source-Pathway-Receptor pollution linkages present on the site and therefore the following remediation measures will be required to mitigate the risks identified.

3.2 Contamination

3.2.1 Historical maps indicate that the site was part of a field prior to the Midge Hall buildings occupying the site. The site may have been regraded and shallow made ground deposits may be present beneath the site as general fill and demolition fill. These are unlikely to be significant sources of contamination. Potential contaminants associated with general fill and demolition fill are asbestos, heavy metals, polyaromatic hydrocarbons (PAH's) and Total Petroleum Hydrocarbons (TPH's).

3.2.2 There was no visible or olfactory evidence of contamination on the site.

3.2.3 The site is surrounded by residential properties to the north, south and west and a woodland with a stream to the east of the site and was previously surrounded by fields and residential properties, therefore made ground deposits present adjacent to the site if any are likely to be general fill and demolition fill associated with these. Potential contaminants are asbestos, heavy metals, PAH's and TPH's.

3.2.4 The risk to receptors from contamination at the site is therefore considered low.

3.2.5 This Desk Study Report should be submitted to the Local Authority for approval and an intrusive ground investigation should be carried out to assess the ground conditions and obtain samples for contamination analysis in accordance with BS10175:2001 to identify the level of risk associated with the potential sources of contamination and the pathways. All investigation works should be agreed with the Local Authority.

3.2.6 Until the intrusive investigation is carried out, it would be prudent to allow for minimum 600mm capping layers to gardens and soft landscaped areas, comprising minimum 150mm granular capillary break layer or geotextile membrane and the remainder as 'inert' subsoil and/or topsoil.

3.2.7 Validation sampling of any imported material will be required and should comprise 1 sample per 50m^3 of topsoil and subsoil with 3 no. samples minimum of any source of material. Delivery tickets and waste transfer notes will be required for all material imported and disposed off site.

3.2.8 Construction workers should adopt appropriate health and safety measures on site and undertake soil gas monitoring prior to and during man entry of below ground voids or confined spaces, as detailed in HSE guidance.

3.2.9 Dust suppression measures should be adopted during all earthworks.

3.2.10 Surface water control measures should be adopted during construction to limit runoff and infiltration through exposed made ground and to limit siltation of the surface drainage.

3.2.11 Buried concrete and services should be designed in accordance with the guidance given in BRE Special Digest 1: Concrete in aggressive ground.

3.2.12 The advice of service providers should be obtained to ensure that appropriate measures are taken to protect services from contamination and aggressive ground conditions.

3.3 Landfill Gas

3.3.1 Historical maps indicate that the site was part of a field prior to the Midge Hall buildings occupying the site. The site may have been regraded and shallow made ground deposits may be present beneath the site as general fill and demolition fill which are unlikely to be significant potential sources of landfill gases.

3.3.2 BS8485 Code of Practice for the characterisation and remediation from ground gas in affected developments and CIRIA C665 Assessing Risks posed by hazardous ground gases to buildings have been used to assess the risk from landfill gases and any sources of landfill gases within 250m are considered to have the potential to migrate to a site.

3.3.3 There are no BGS or Registered or landfill sites recorded within 250m of the site.

3.3.4 There is 1 historical landfill site recorded within 250m of the site, Meadowcroft Mills 243m southeast of the site, waste details unknown, that is a potential source of landfill gases.

3.3.5 There is potentially infilled land recorded within 250m of the site, (non water-pit, quarry etc.) 108m NW, 190m N and 229m N and (water-pond, marsh, river, stream, etc.) 137m NW, 225m W, 226m NW and 227m W of the site.

3.3.6 Historical maps show potentially infilled land within 250m of the site, ponds 80m and 140m northeast, reservoirs 200m to 250m north, northwest, west and southwest, pits and quarries 200m and 230m north of the site.

3.3.7 Infilled land may contain organic materials/silts/sediments that are potential sources of landfill gases that could migrate to the site.

3.3.8 Geology maps indicate Devensian Till (Boulder Clay) and Sands and Gravels drift deposits present beneath the site. Sands and gravels are a potential pathway for migration of landfill gases from on site and off site sources within 250m of the site.

3.3.9 The risk to receptors from potential landfill gases and mine gases at the site is therefore considered low to medium.

3.3.10 In accordance with BS 8485 and CIRIA C665 an intrusive ground investigation should be carried out to assess ground conditions beneath the site and to identify the level of risk associated with the potential sources of landfill gases and potential pathways for migration and to determine if it is necessary to carry out a landfill gas survey consisting of the installation of gas standpipes and a minimum of 6 no. gas monitoring visits over a 3 month period initially to assess the gas risk.

3.3.11 Until the gas monitoring is complete, it would be prudent to allow for gas protection measures to be provided in accordance with CS2 and NHBC Amber 1 from BS 8485 in the substructures. For residential, a score of 3.5 is required, this can be achieved by providing the following gas protection measures:-

- § Reinforced concrete cast in-situ, beam and block or pre-cast concrete floor slabs with low permeability gas membranes with taped joints and sealed entries using specialist approved gas prevention tape and underfloor ventilated void or vented layer or:
- § Cast in-situ concrete floor slabs with minimum penetrations and low permeability gas membranes with taped joints and sealed entries using specialist approved gas prevention tape installed and validated by a specialist.

3.3.12 Validation of the installation of the gas protection measures will be required with photographic evidence of the ventilated voids and the gas membranes with gas taped sealed joints/entries.

3.4 Waste Regulations

3.4.1 Consultation should be made with the Environment Agency to confirm whether the transfer of materials should be registered as exempt from Waste Management licensing or require licensing.

3.5 Landfill Tax

3.5.1 It will be necessary to undertake waste characterisation with current landfill regulations prior to off site disposal of material.

3.6 Liability Statement

3.6.1 The site is unlikely to be classified by the Local Authority as 'Contaminated Land' or designated a 'Special Site' under the Contaminated Land Regulations, provided remediation measures are carried out.

3.7 Foundation Design

3.7.1 Historical maps indicate that the site was part of a field prior to the Midge Hall buildings occupying the site. The site may have been regraded and shallow made ground deposits may be present beneath the site as general fill and demolition fill.

3.7.2 The made ground is unlikely to be suitable for foundations due to the risk of differential settlement. Ground treatment could be an option but the made ground is considered likely to be shallow across the majority of the site.

3.7.3 Geology Maps indicate Devensian Till (Boulder Clay) and Sands and Gravels drift deposits are recorded to be present beneath the site. These are likely to be suitable for strip and pad foundations where present at shallow depth, but this should be confirmed by intrusive investigation.

3.7.4 An intrusive ground investigation should be carried out to assess the ground conditions and obtain samples for geotechnical testing in accordance with BS5930 Code of practice for site investigations and BS1377 Methods of test for soils for civil engineering purposes.

3.7.5 As there are clay drift deposits recorded beneath the site and there are numerous trees on and adjacent to the site, a tree survey and plasticity tests will be necessary to determine the shrinkability of the clay to assess potential heave in accordance with the NHBC Guidance For Building Near Trees.

3.7.6 Sulphate and pH tests should be carried out to design buried concrete and services in accordance with the guidance given in BRE Specialist Digest 1: Concrete in aggressive ground.

3.8 Retaining Walls

3.8.1 Retaining walls may be required at the site and should be considered during detailed design.

3.9 Pavement Design

3.9.1 CBR tests should be carried out on the formation subgrade prior to design of pavements at the site.

3.10 Mining

3.10.1 Coal mining reports confirm that the site is not within a surface area that could be affected by recorded past underground mining. However, the site 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.

3.10.2 The coal authority interactive map indicates probable shallow coal mine workings beneath the southeast corner of the site and hence this is considered a development high risk area.

3.10.3 Geology Maps indicate that the Arley (Royley) Mine is conjectured to outcrop approx. 180m south of the site from northeast to west with dip angles of 1 in 5 and 6 to the northwest noted indicating that the coal seam could be present at depths of 30m to 50m beneath the drift deposits beneath the site. A BGS borehole 250m south recorded drift to 6.5m over soft shale to 59m over hard shale and a BGS borehole 800m north recorded drift to 19m over shale to 24m over sandstone.

3.10.4 Coal workings with ten times the thickness of the worked coal seam of rock are considered to have adequate rock cover. Geology memoirs indicate that the Royley Mine coal seam thickness is recorded as 3 to 5 feet (0.9m to 1.5m), therefore adequate rock cover would be 15m. As the geology maps indicate 30m to 50m of rock cover should be present above the coal seam, if the coal seam had been worked and if collapse did occur it would be unlikely to cause settlement at the surface. The risk from shallow mining at the site is therefore considered low.

3.11 Flood Risk

3.11.1 The Environment Agency flood zone maps indicate that the site is in Flood Zone 1 and not in a known flood risk area.

3.12 Drainage

3.12.1 There are drains and sewers within the site and it is assumed that these discharge to the public combined sewer in Bury Road. There is a watercourse 39m east of the site in the ancient woodland to the east and there is a culverted watercourse discharging to this adjacent to Bury Road to the northeast. Details of the drains, sewers and watercourses should be confirmed on site.

3.12.2 The use of sustainable drainage systems (SUDS) could be considered on the site. The clay drift deposits are unlikely to have adequate infiltration co-efficients for soakaways and permeable pavements but the sands and gravels may have. Soakaway tests should be carried out in accordance with BRE365 to determine infiltration co-efficients and confirm whether the site is suitable for infiltration methods of SUDS.

4 FURTHER WORKS

4.1.1 The desk study should be submitted to the local authority for comment/approval.

4.1.2 The recommended intrusive investigation, testing and gas monitoring if necessary should be carried out.

DISCLAIMER

The recommendations made and the opinions expressed in this report are based on the borehole and/or trial pit records, examination of samples and the results of the site and laboratory tests. The report is issued on the condition that Build Vision Consulting Engineers, will in no circumstances be liable for any loss arising directly or indirectly from ground conditions between the boreholes or trial pits which have not been shown by the borehole, trial pits or other tests carried out during the investigation, nor for any loss whatsoever arising directly or indirectly from any opinion given on the possible configuration of strata both between the borehole and/or trial pit positions and/or below the maximum depth of the investigation : such opinions, where given, are for guidance only. This report is confidential, personal to the client, non-assignable and not for the benefit of third parties.

APPENDIX A

DESK STUDY INFORMATION

- Site Location Plan
- Proposed Site Plan
- Topographical Survey
- Site Photos
- Historical Maps
- Environmental Report
- Coal Mining Reports

H. M. LAND REGISTRY

NATIONAL GRID PLAN SD 8712 SECTION K

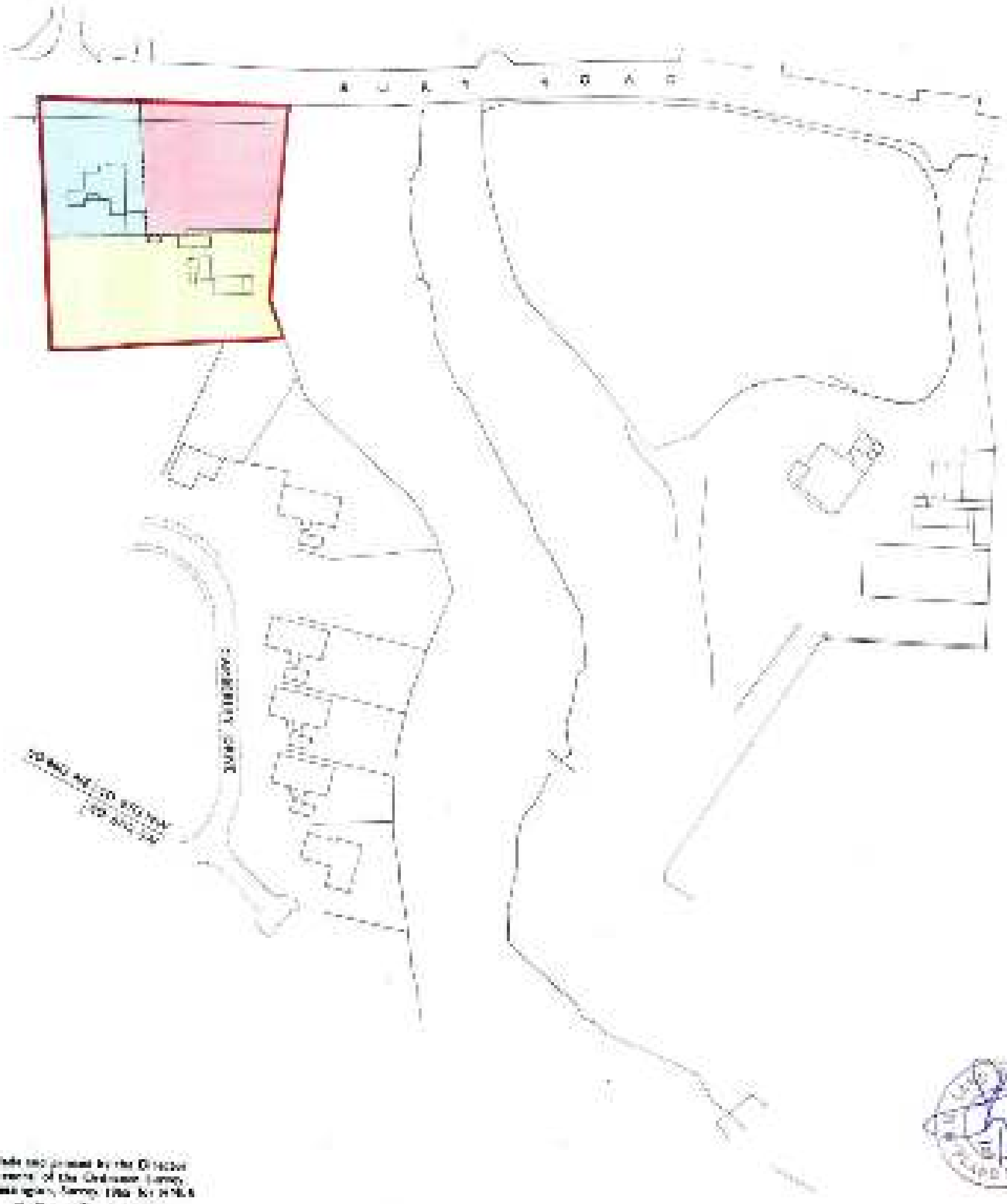
~~ROCHDALE~~

Scale 1:1250

COUNTY OF GREATER MANCHESTER

ROCHDALE DISTRICT

ROCHDALE ~~[illegible]~~



Made and printed by the Director General of the Ordnance Survey, Chessington, Surrey, 1966 for H.M.L.R.

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Filed Plan of Title No. LA75517

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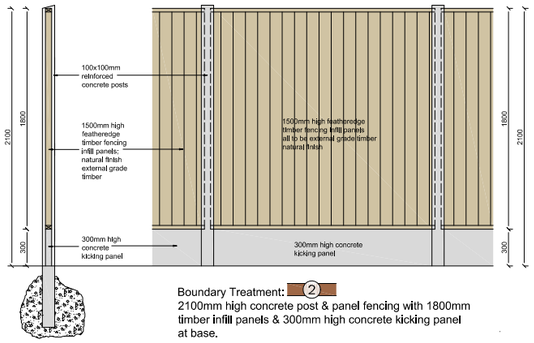
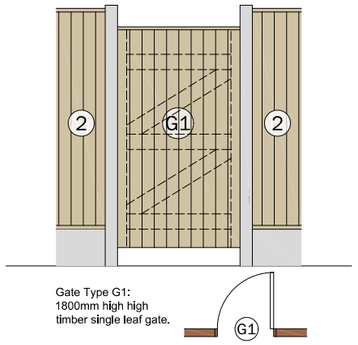
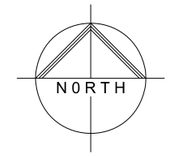


Boundary Treatment: 2
2100mm high concrete post & panel fencing with 1800mm timber infill panels & 300mm high concrete kicking panel at base.



Gate Type G1:
1800mm high high timber single leaf gate.





Accommodation Schedule:

Plot 1 - 5Bed 7 Person. 1,800sq.ft
Plot 2 - 4Bed 6 Person. 1,373sq.ft.
Plot 3 - 4Bed 6 Person. 1,373sq.ft
Plot 4 - 4Bed 6 Person. 1,373sq.ft.
Plot 5 - 4Bed 6 Person. 1,400sq.ft.
Plot 6 - 4Bed 6 Person. 1,400sq.ft.
Plot 7 - 4Bed 6 Person. 1,800sq.ft.
Plot 8 - 4Bed 6 Person. 1,536sq.ft

Total Floor Area (Excl Garages)
= 12,055 sq.ft.

REV	DATE	AMENDMENT	BY	CHKD
C	24/09/18	Trees/Landscaping added	GG	__
B	05/09/18	Plots 7 & 8 swapped	GG	__
A	16/08/18	Plots 3, 7 & 8 amended. Driveways added.	GG	__

HNA architects
Architecture | Planning | Design

PROJECT:	Midge Hall, Bury Road, Bamford				
CLIENT:	Wiggett Construction				
DRAWING:	Proposed Site Layout - SK7.				
DRAWN BY:	GG	CHECKED BY:	__	DATE: Aug 2018	SCALE: 1:500 @ A3
STATUS:	Concept			DRAWING No: 1253/001	REVISION: C

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TEL: 0161 688 1820
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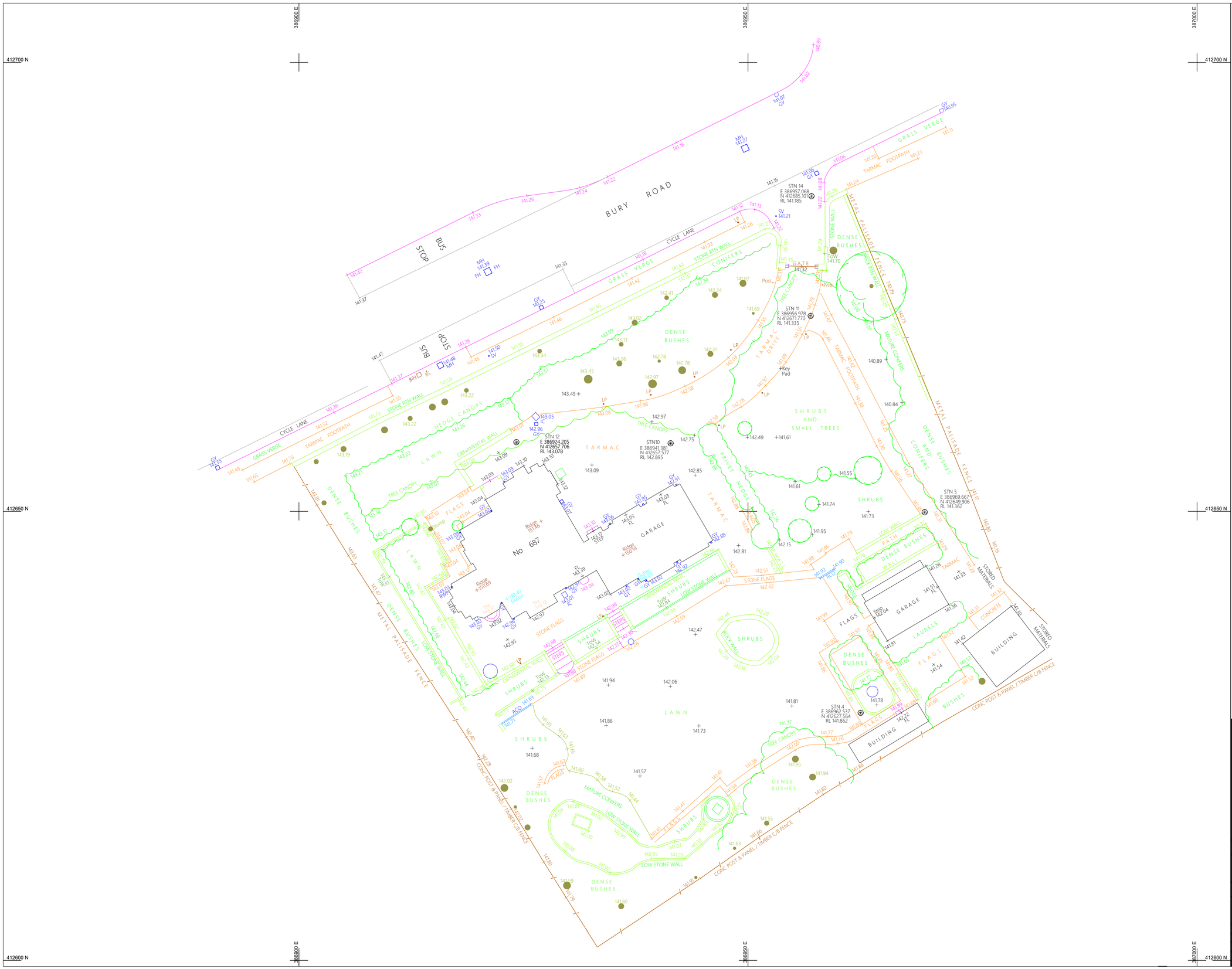


NOTES

ALL LEVELS ARE IN METRES RELATED TO ORDNANCE SURVEY LEVEL

ALL CO-ORDINATES ARE IN METRES RELATED TO NATIONAL GRID CO-ORDINATES FIXED BY G P S

ALL SERVICES & MANHOLES SHOWN VISIBLE AT TIME OF SURVEY

ALL DIMENSIONS TO BE CHECKED PRIOR TO COMMENCEMENT OF WORK

Topographical Survey Legend

Bol	Bollard	MP	Mile post
Bin	Litter bin	Pt	Post
BL	Bed level	PM	Parking meter
BS	Bus stop	PP	Power point
BT	British Telecom	RE	Rodding eye
Cam	Security Camera	Ridge	Roof/ridge level
CATV	Cable television cover	RS	Road sign
CL	Cover level	Rwp	Rain water pipe
DR	Drain	SL	Soffit level
Elec	Electrical ic	Slab	Slab level
EC	Electric Cable	Stay	Cable stay
EL	Eaves level	Step	Step level
EP	Elec. pole	SV	Stop valve
ER	Earth rod	Svp	Soil pipe
FP	Flagpole	TL	Traffic light
FA	Fitness Apparatus	ToB	Top of Building
FT	Floodlight	ToW	Top of wall level
GY	Gully	TP	Telegraph pole
GP	Gate post	TS	Traffic Signal
GV	Gas valve	TT	Tac Tile
FH	Hydrant	VP	Vent pipe
FL	Floor level	WL	Water level
IC	Inspection cover	WM	Water meter
IL	Invert level	UTL	Unable to lift
LP	Lamp post	ZCB	Zebra Crossing Beacon
MH	Manhole		
Mkr	Utility marker		

CTES SURVEYING

110 SOUTH ROAD, BRETHERTON
Nr PRESTON LANCS PR26 9AH

TEL No 01772 603663
FAX No 01772 603663
MOBILE No 07973 672057
E MAIL ctesurveys @ yahoo.co.uk

CLIENT

WIGGETT

JOB TITLE

687 BURY ROAD
BAMFORD ,ROCHDALE,OL11 4AU

SCALE	DATE	JOB REF
1:200	MAY 2018	WIGGETT(687 BURY ROAD)
REVISIONS		































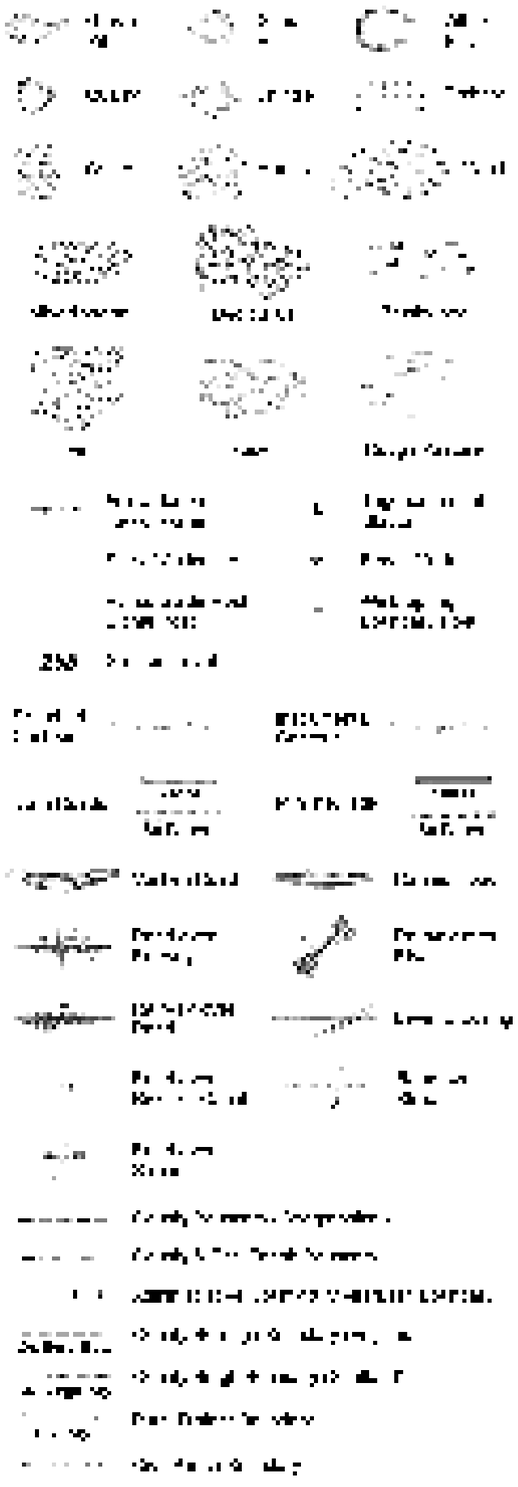






Historical Mapping Legends

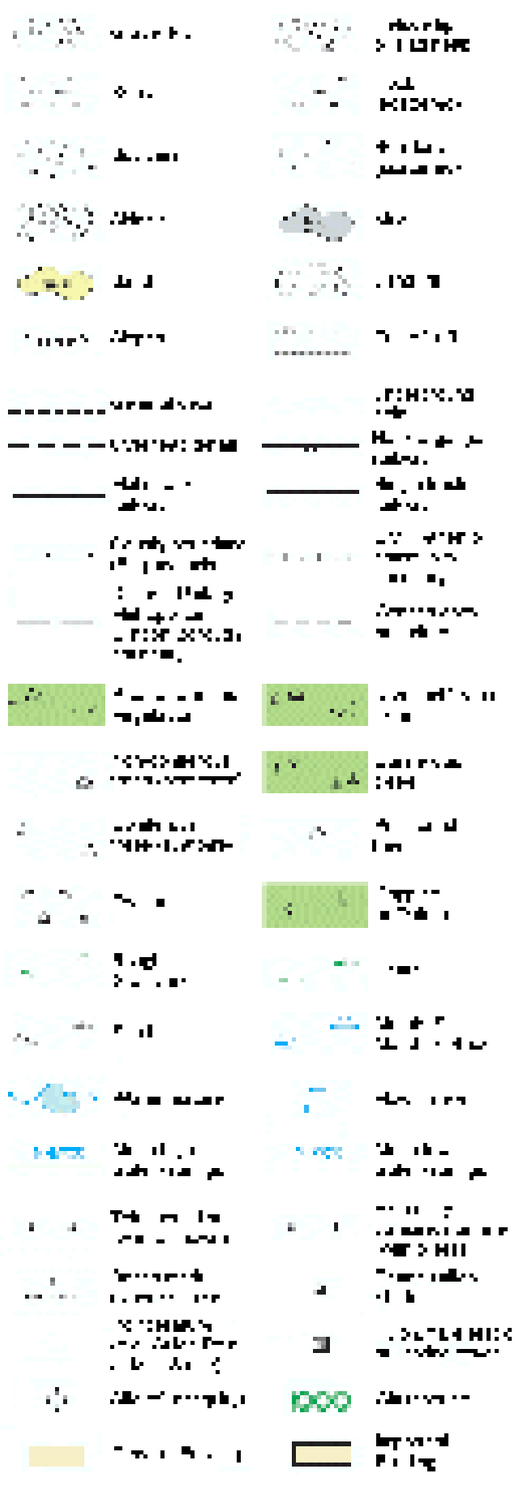
Ordnance Survey County Series 1:10,560



Ordnance Survey Plan 1:10,000



1:10,000 Raster Mapping

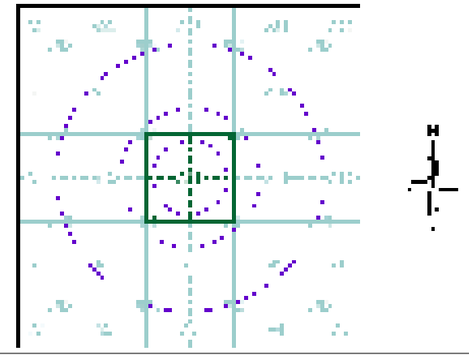


Envirocheck

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Lancashire And Furness	1:10,560	1894	4
Lancashire And Furness	1:10,560	1911	5
Lancashire And Furness	1:10,560	1932	6
Lancashire And Furness	1:10,560	1938	7
Ordnance Survey Plan	1:10,000	1956	8
Ordnance Survey Plan	1:10,000	1968	9
Manchester	1:25,000	1975	10
Ordnance Survey Plan	1:10,000	1977	11
Ordnance Survey Plan	1:10,000	1988	12
Ordnance Survey Plan	1:10,000	1993	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2018	16

Historical Map - Slice A



Order Details

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Customer Ref: 1250
National Grid Reference: 386940, 412640
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU

Landmark

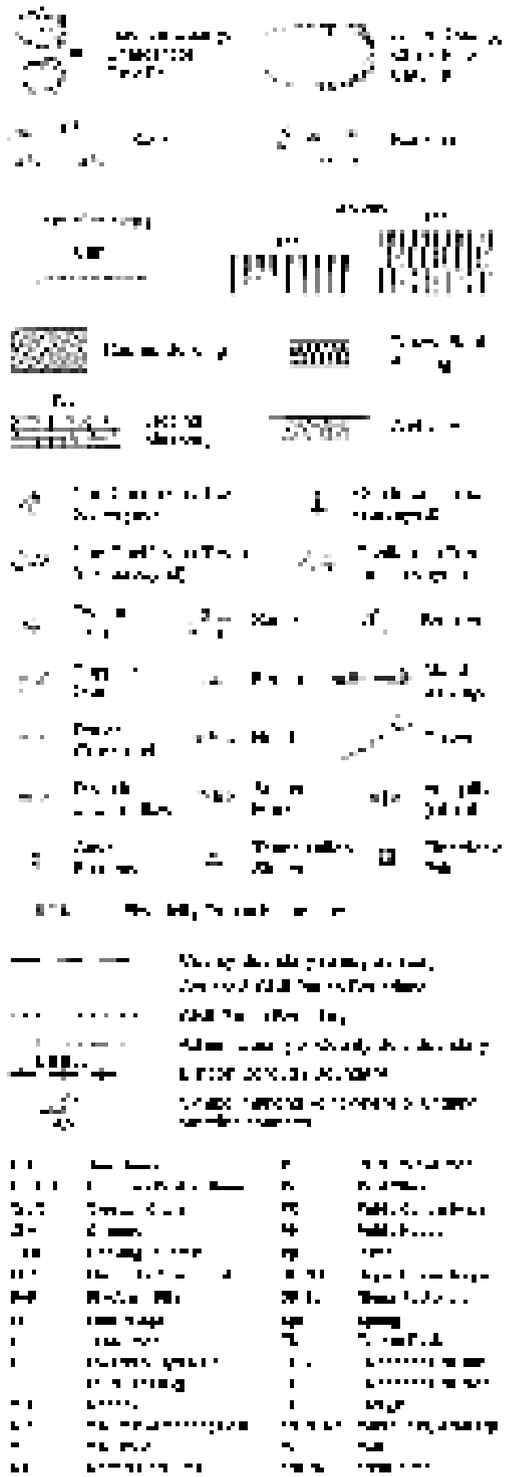
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

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



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



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



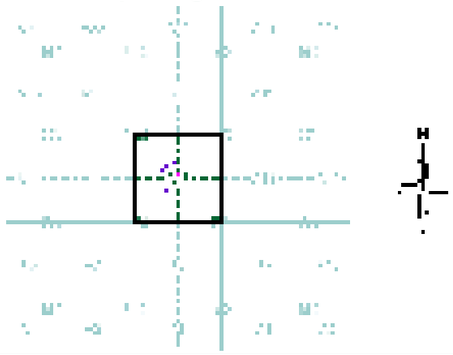
Envirocheck

LANDMARK INFORMATION GROUP

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1890 - 1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1930	4
Lancashire And Furness	1:2,500	1937	5
Ordnance Survey Plan	1:1,250	1957	6
Ordnance Survey Plan	1:2,500	1957 - 1958	7
Additional SIMs	1:2,500	1957	8
Ordnance Survey Plan	1:1,250	1966 - 1970	9
Ordnance Survey Plan	1:1,250	1970	10
Supply of Unpublished Survey Information	1:1,250	1975	11
Additional SIMs	1:1,250	1977 - 1990	12
Additional SIMs	1:1,250	1990	13
Large-Scale National Grid Data	1:1,250	1992	14
Historical Aerial Photography	1:2,500	2000	15

Historical Map - Segment A13



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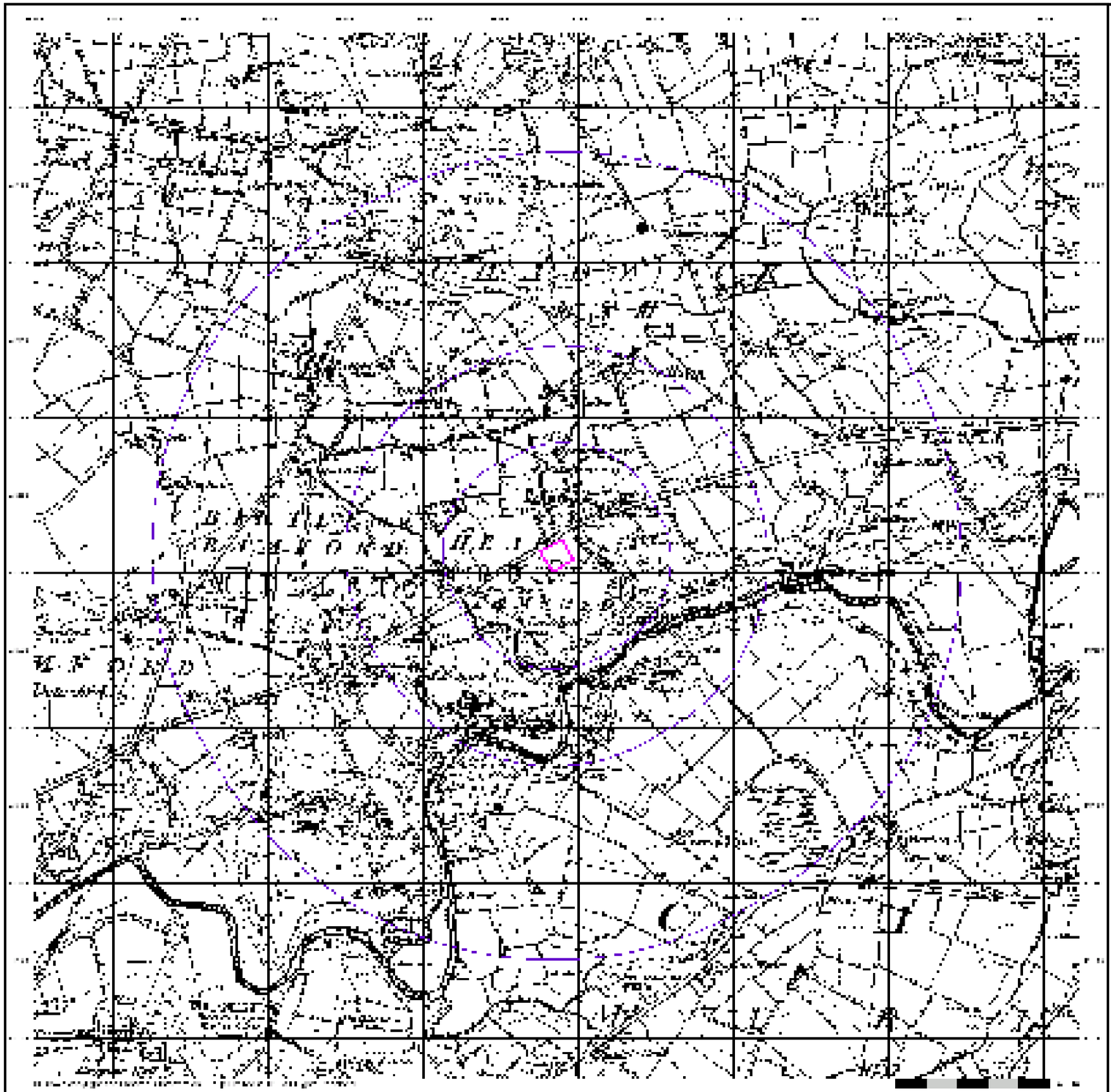

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LANDMARK INFORMATION GROUP

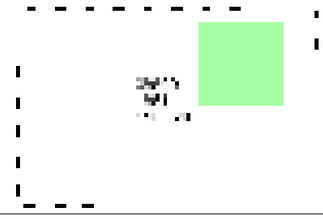
Lancashire And Furness

Published 1851

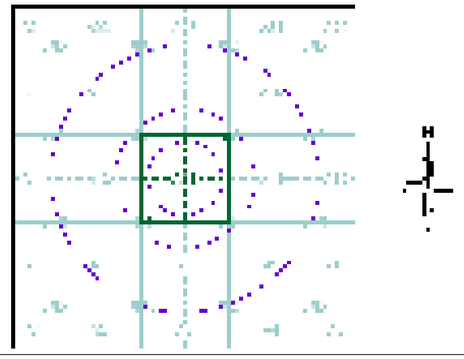
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	180405028_1_1
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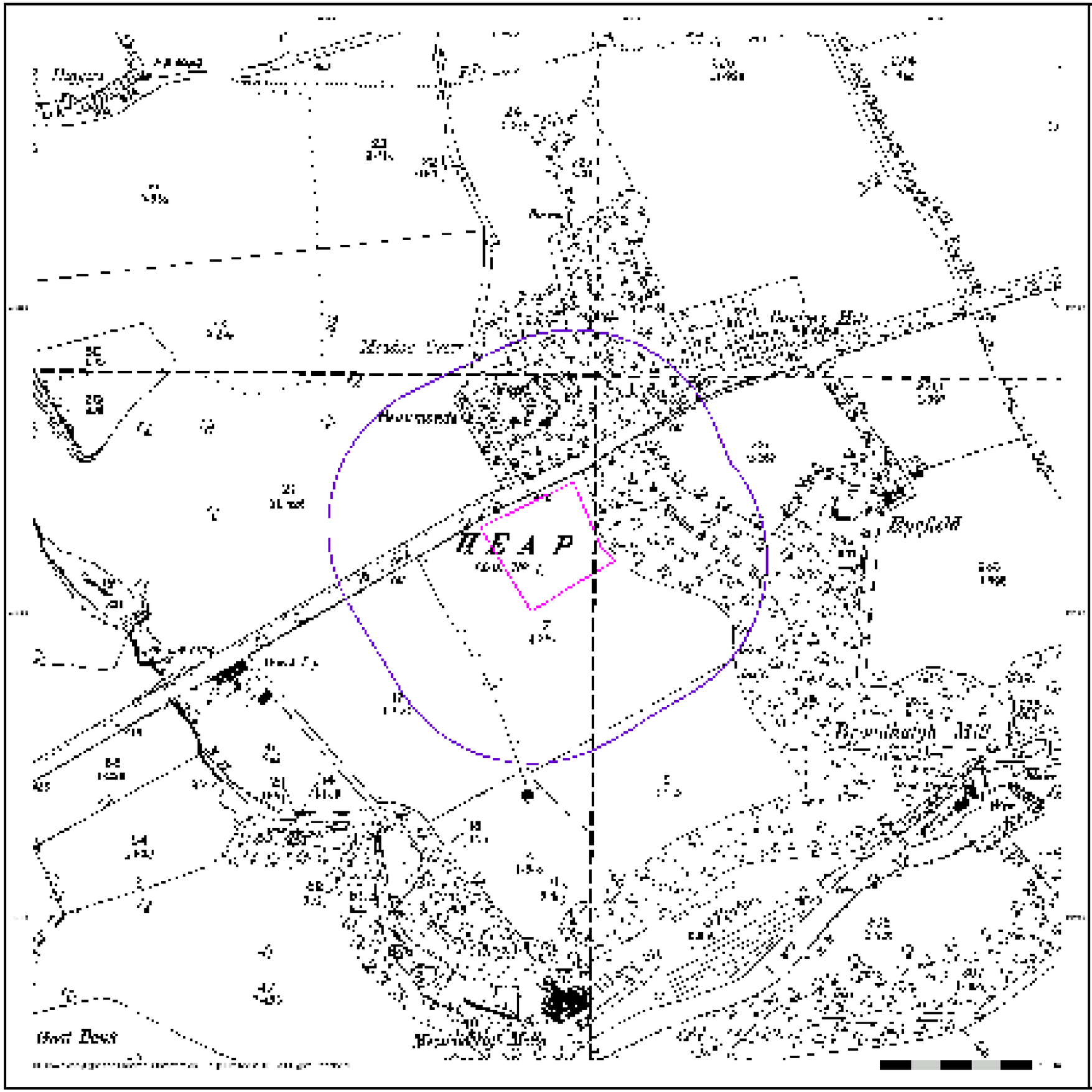
MAP
Bamford
Heywood
Rochdale
Castleton
Kirkholt
Broadley
Wardle
Newbold
Hollingworth
Hall
Hollin Bank
Hollin Bank Fm
Hollin Bank Ho
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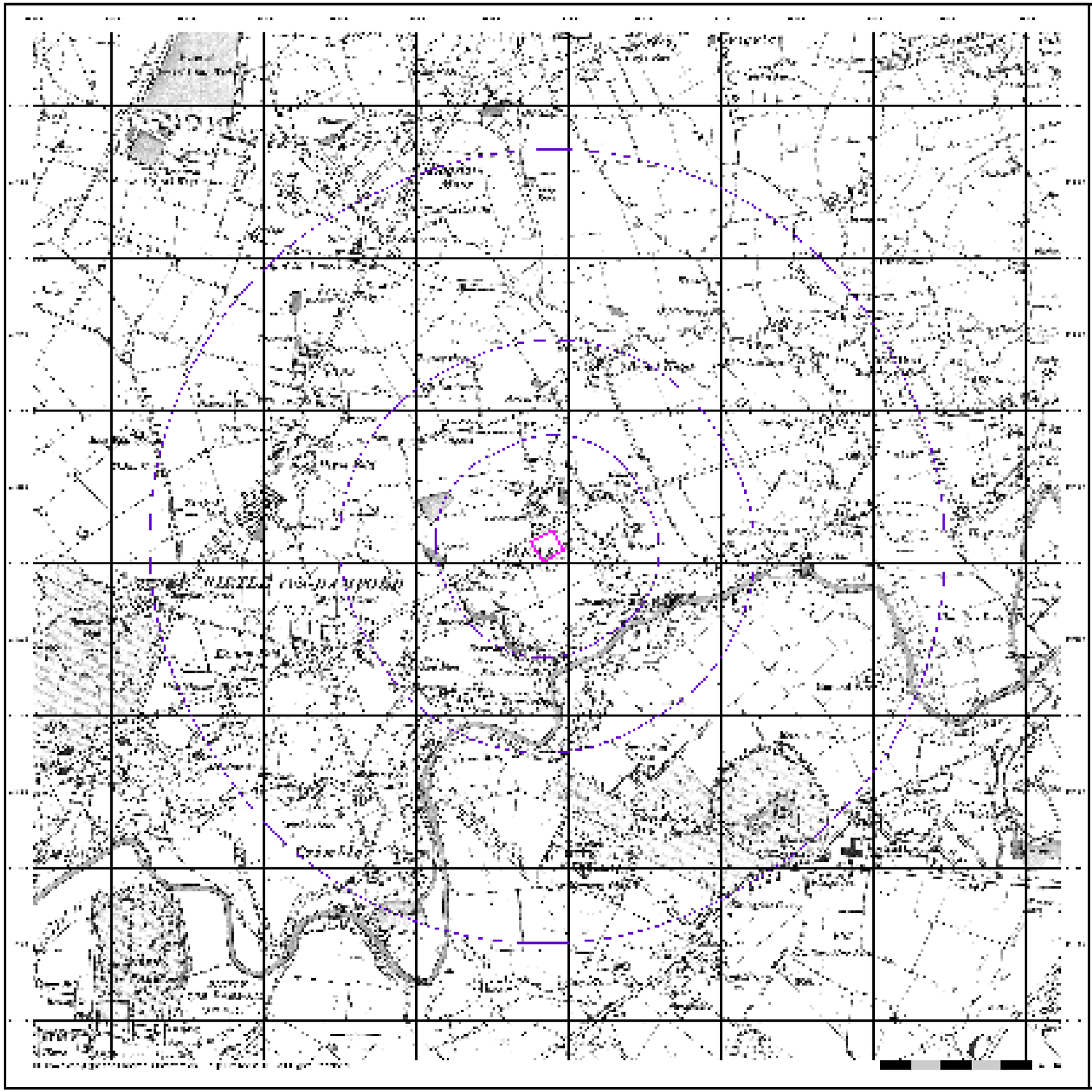
Hollin Bank Mill (Dis)



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Lancashire And Furness

Published 1894

Source map scale - 1:10,560

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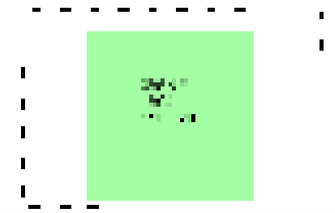
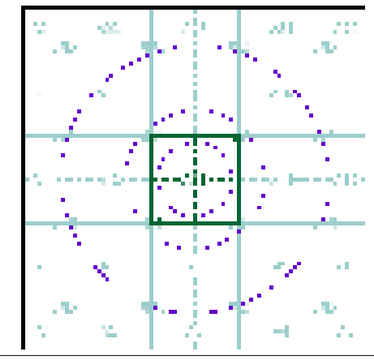
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
Site Area (Ha):	0.4
Search Buffer (m):	1000

Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU

Landmark

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

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Lancashire And Furness

Published 1910

Source map scale - 1:2,500

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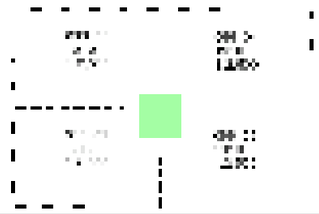
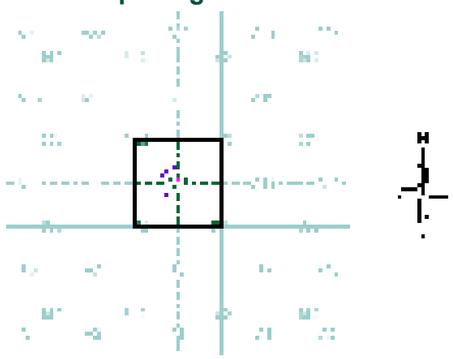


Historical Map - Segment A13



Order Details

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Site Area (Ha):	0.4
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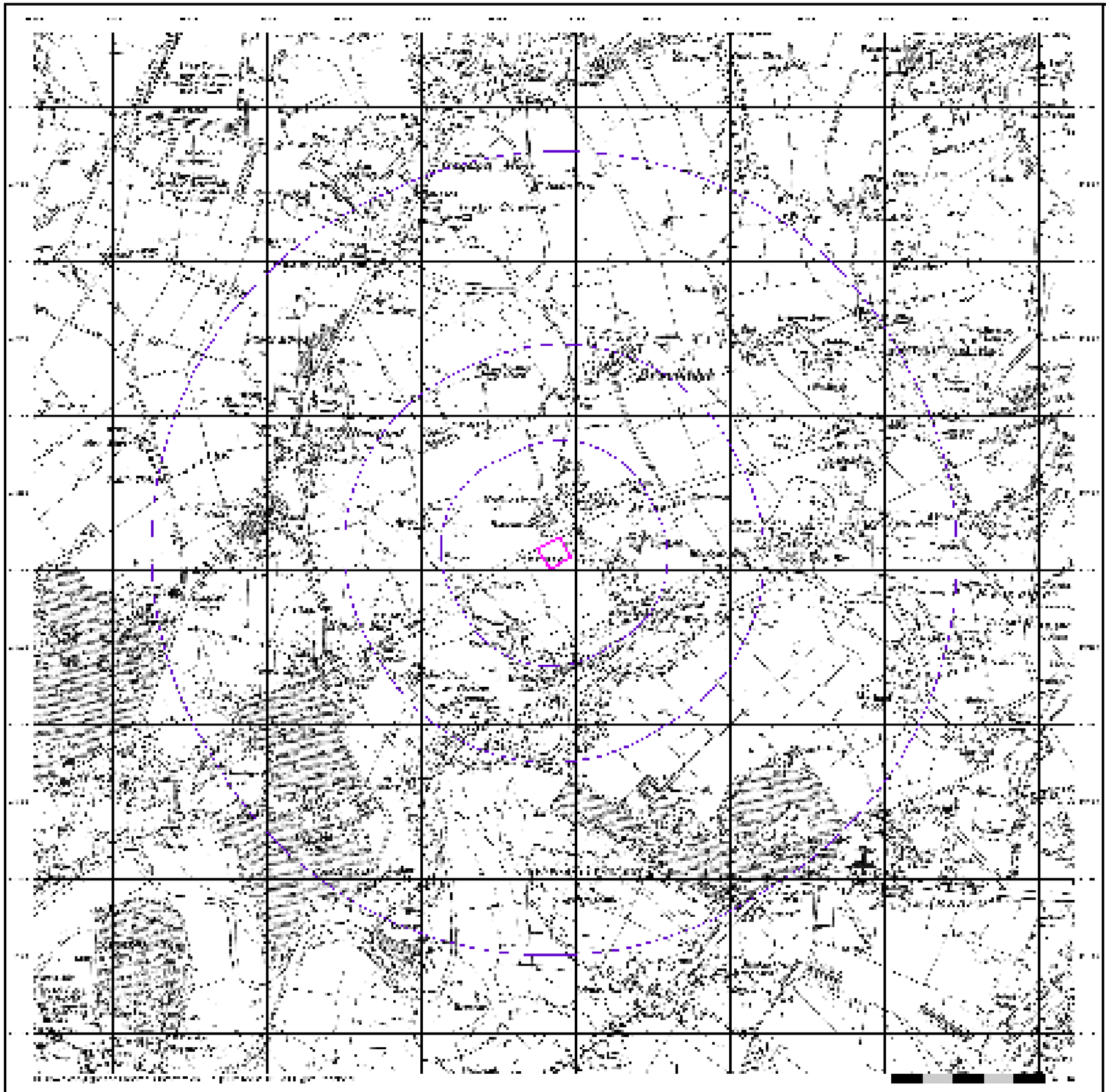
Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU



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LANDMARK INFORMATION GROUP

Lancashire And Furness

Published 1911

Source map scale - 1:10,560

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

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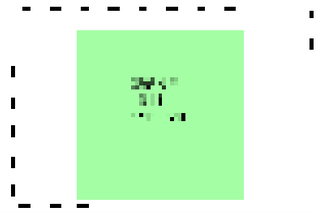
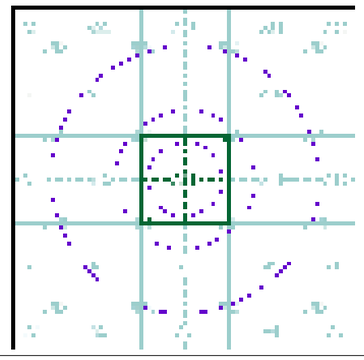


Historical Map - Slice A



Order Details

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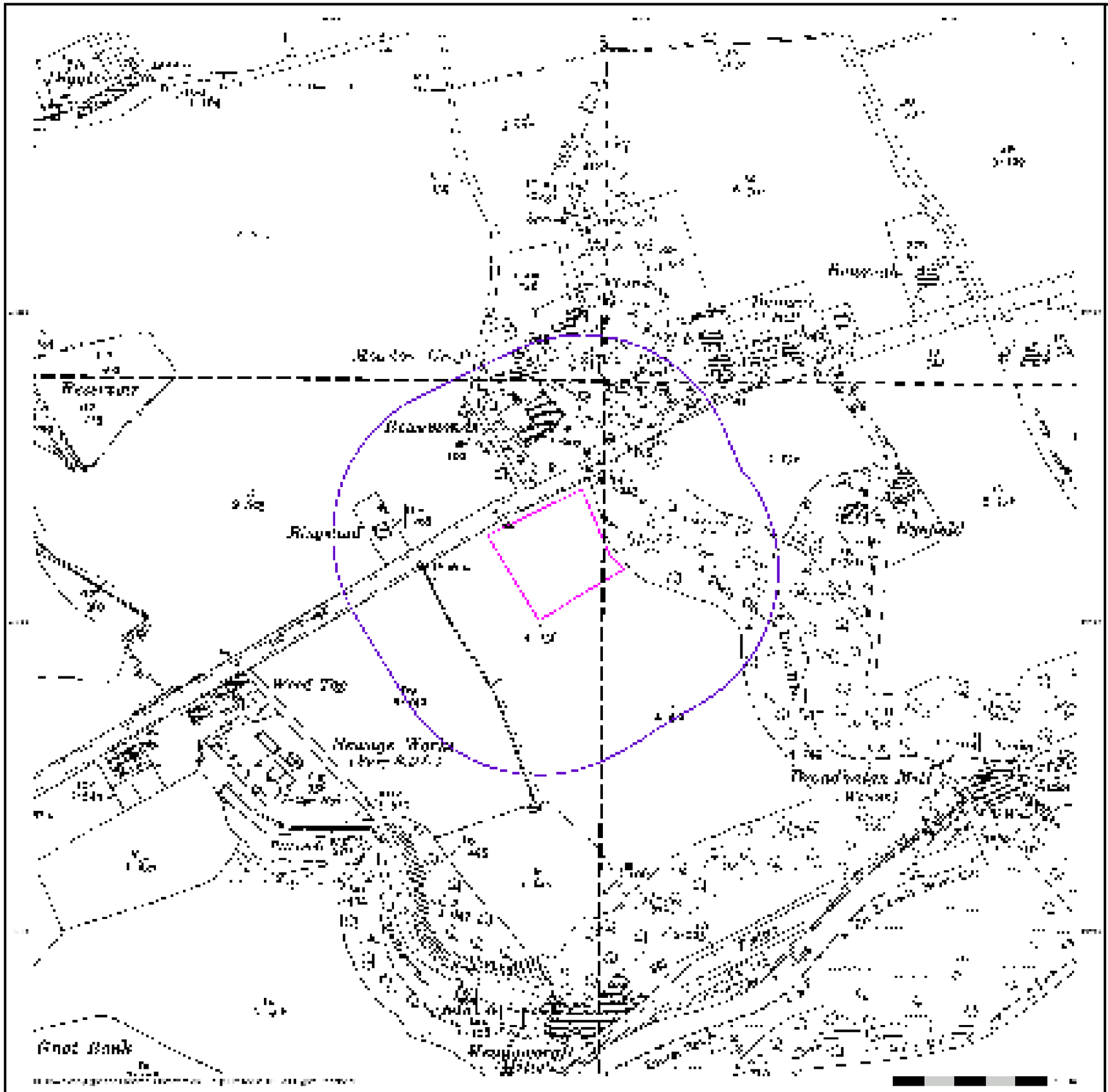
Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU



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LANDMARK INFORMATION GROUP

Lancashire And Furness

Published 1930

Source map scale - 1:2,500

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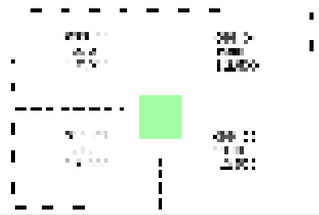
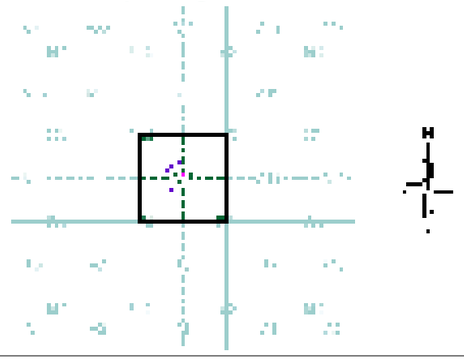


Historical Map - Segment A13



Order Details

Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
Site Area (Ha):	0.4
Search Buffer (m):	100

Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU

Landmark

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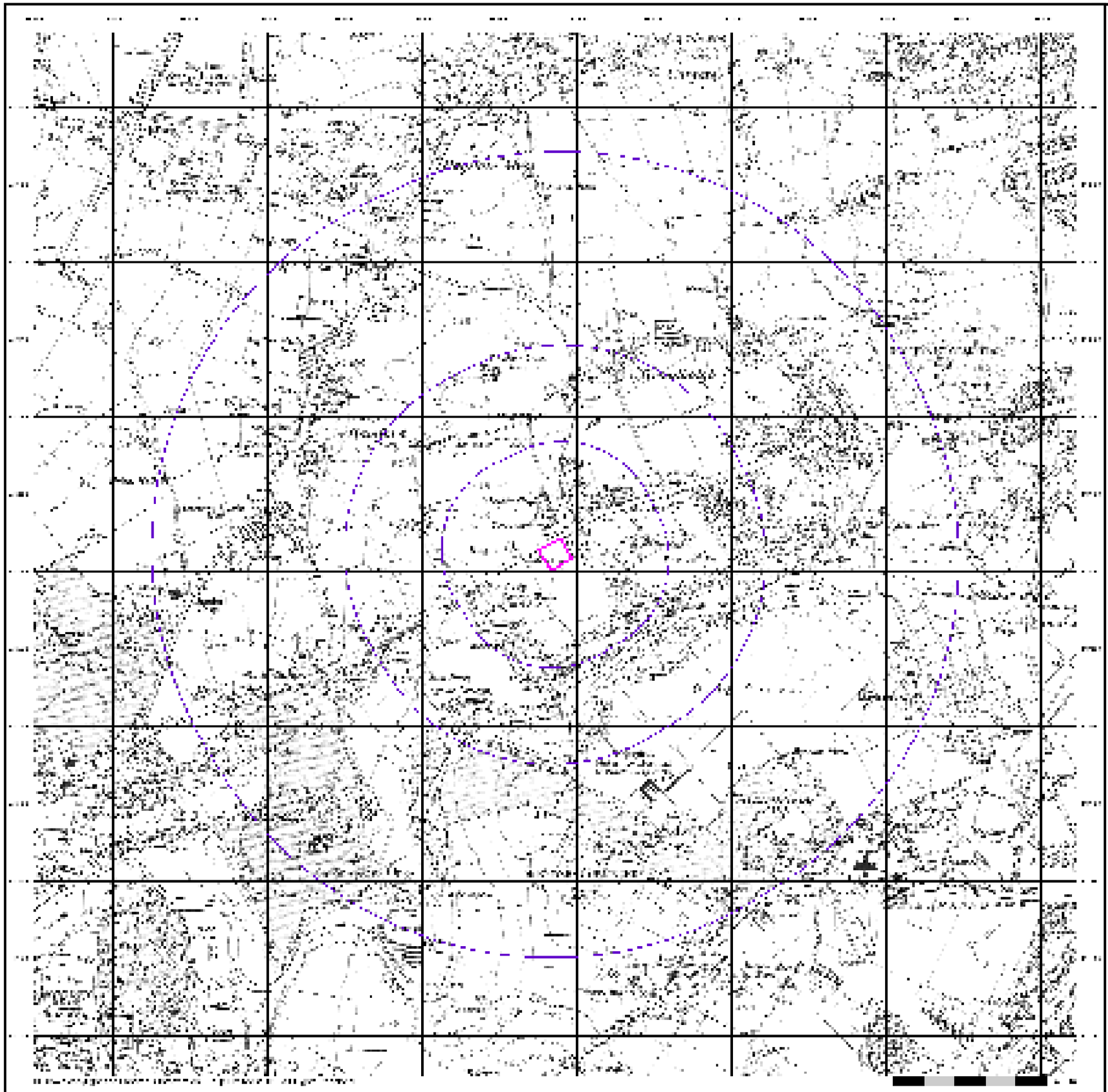
Web: www.envirocheck.co.uk



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LANDMARK INFORMATION GROUP

Lancashire And Furness

Published 1932

Source map scale - 1:10,560

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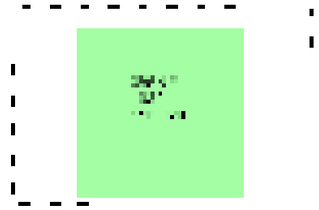
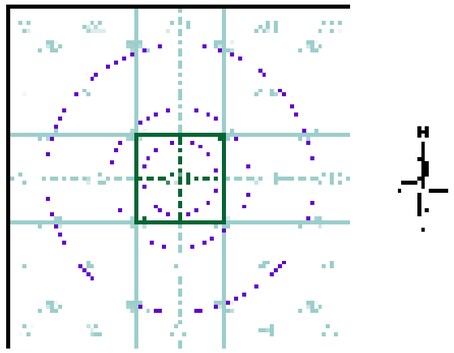


Historical Map - Slice A



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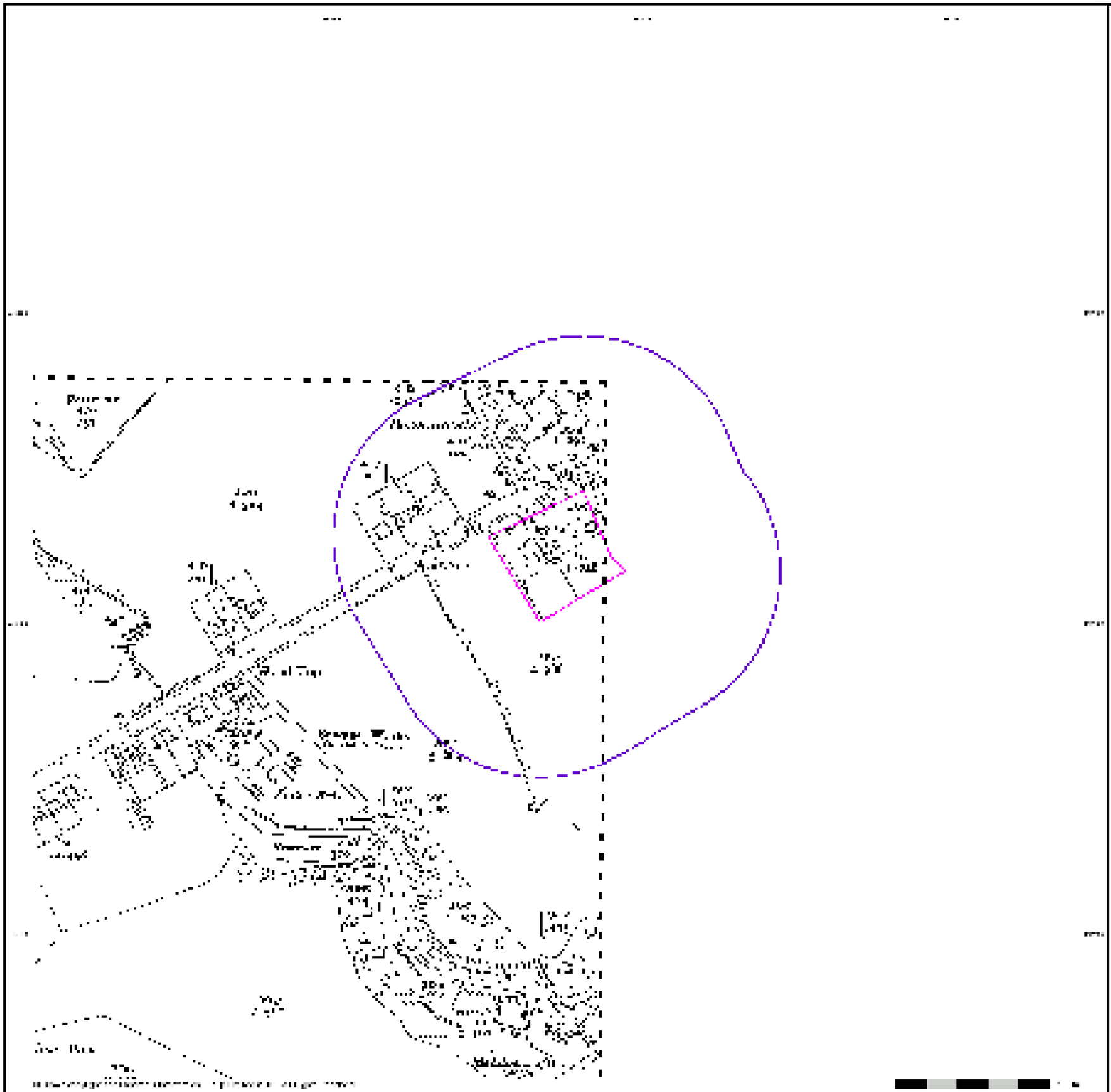

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LANDMARK INFORMATION GROUP

Lancashire And Furness

Published 1937

Source map scale - 1:2,500

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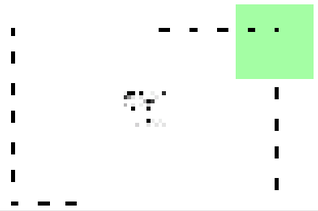
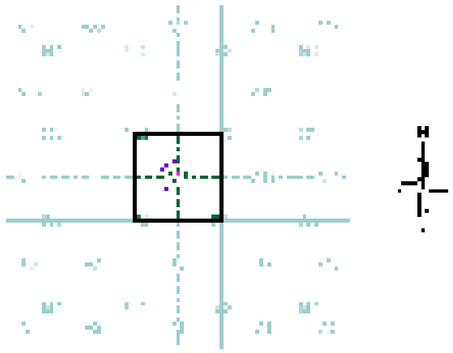


Historical Map - Segment A13



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Site Details

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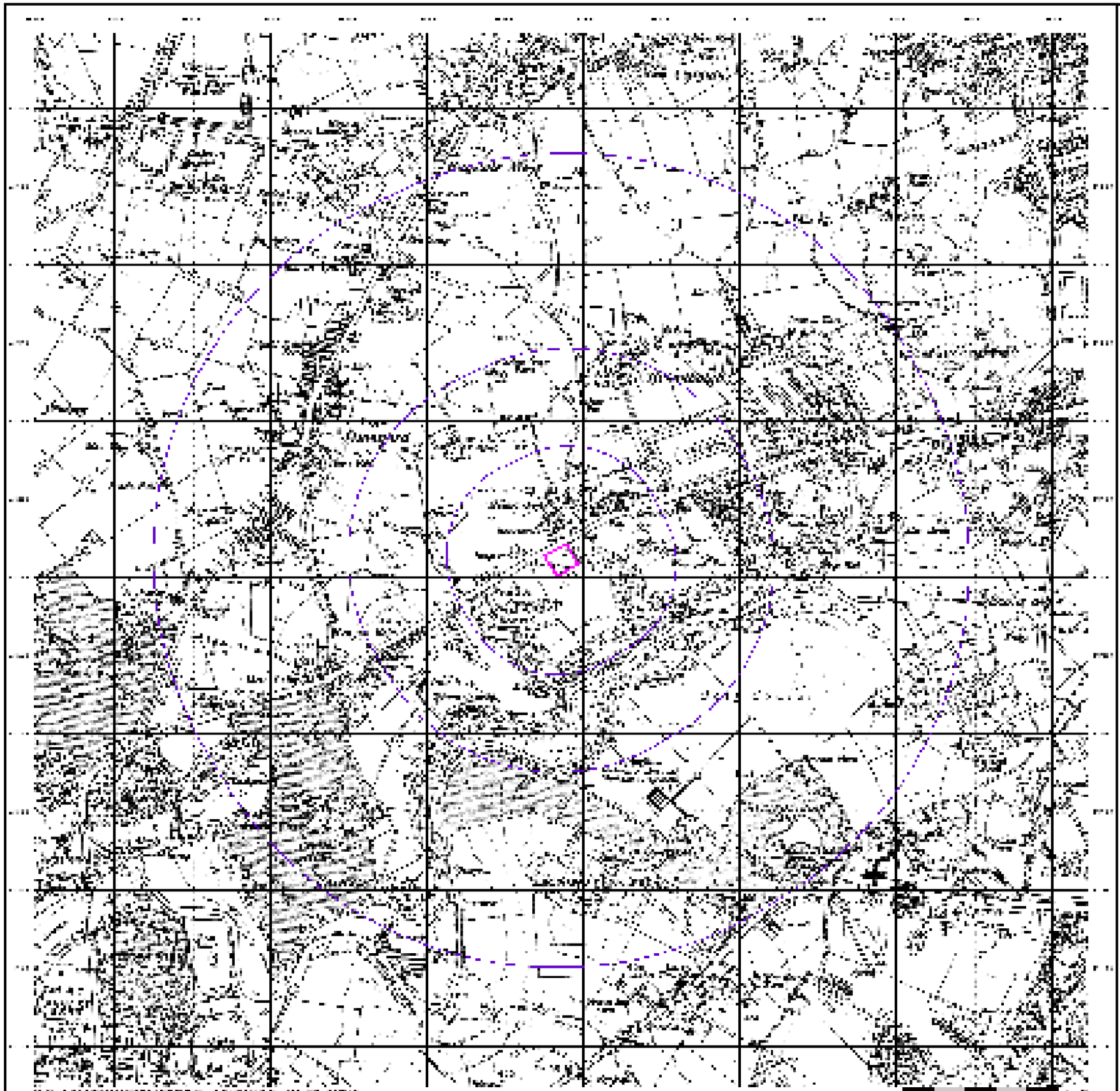

Envirocheck

Lancashire And Furness

Published 1938

Source map scale - 1:10,560

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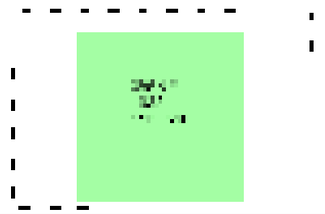
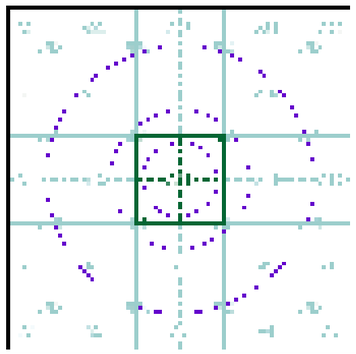


Historical Map - Slice A



Order Details

Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
Site Area (Ha):	0.4
Search Buffer (m):	1000

Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU

Landmark

Tel: 0844 844 9952
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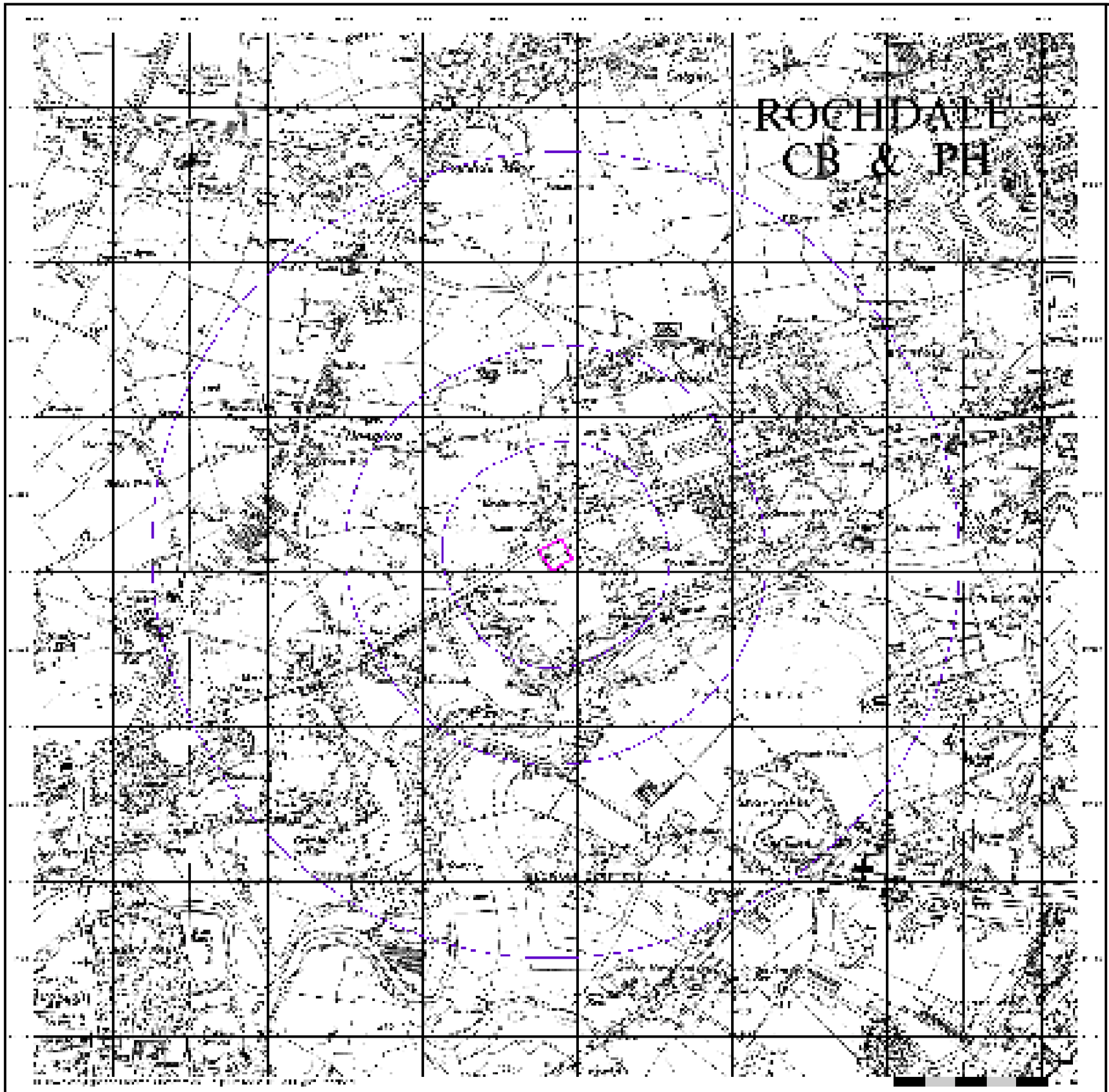

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LANDMARK INFORMATION GROUP

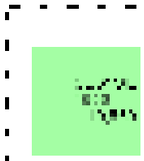
Ordnance Survey Plan

Published 1956

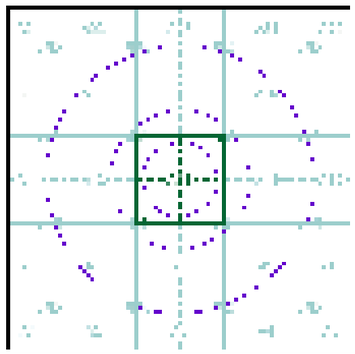
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
Site Area (Ha):	0.4
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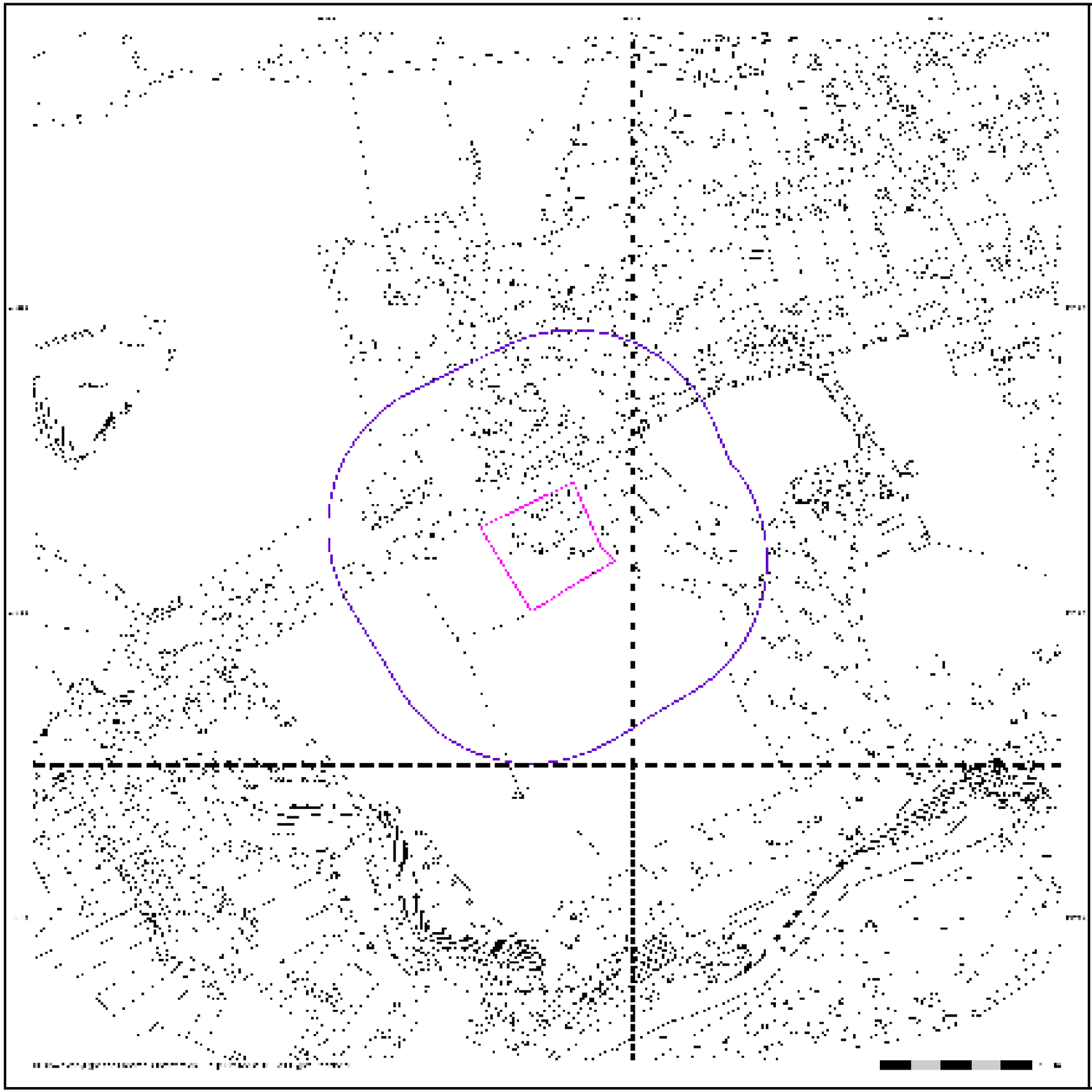

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LANDMARK INFORMATION GROUP

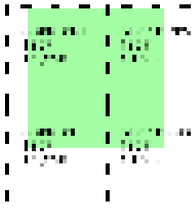
Ordnance Survey Plan

Published 1957

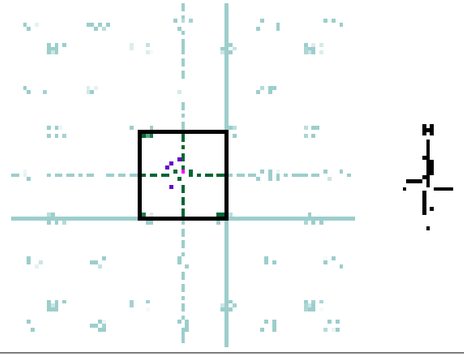
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
Site Area (Ha):	0.4
Search Buffer (m):	100

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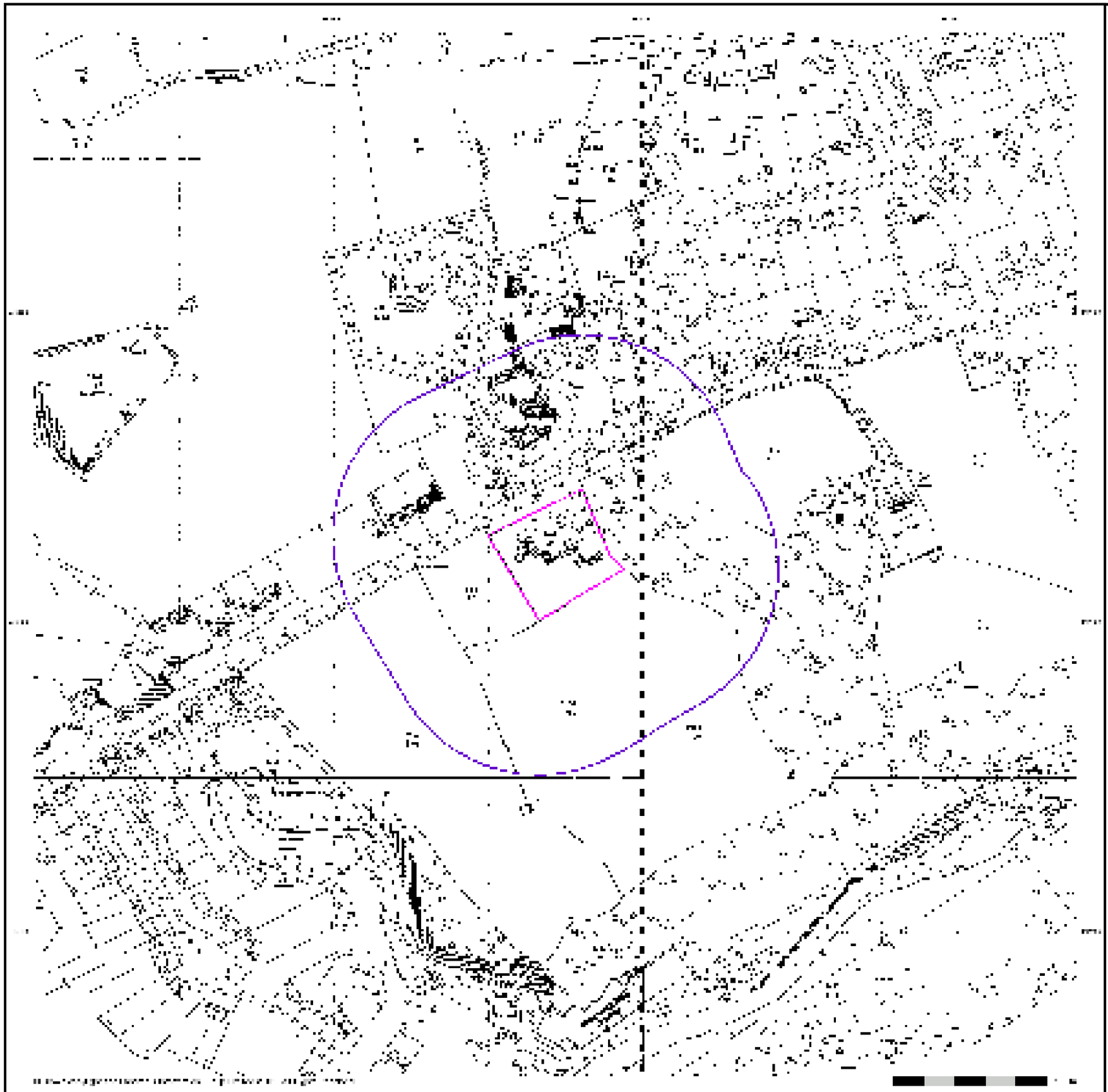

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LANDMARK INFORMATION GROUP

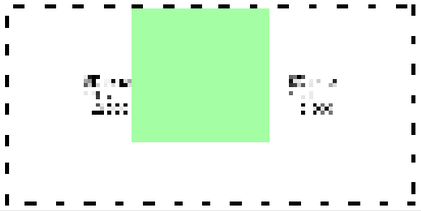
Ordnance Survey Plan

Published 1957 - 1958

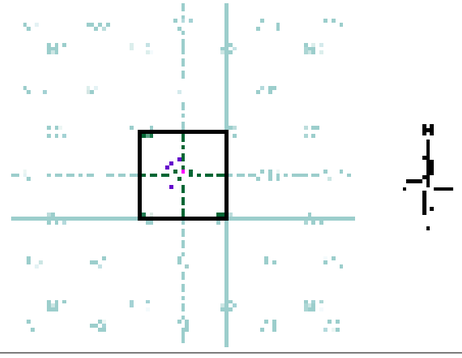
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Customer Ref:	1250
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Search Buffer (m):	100

Site Details

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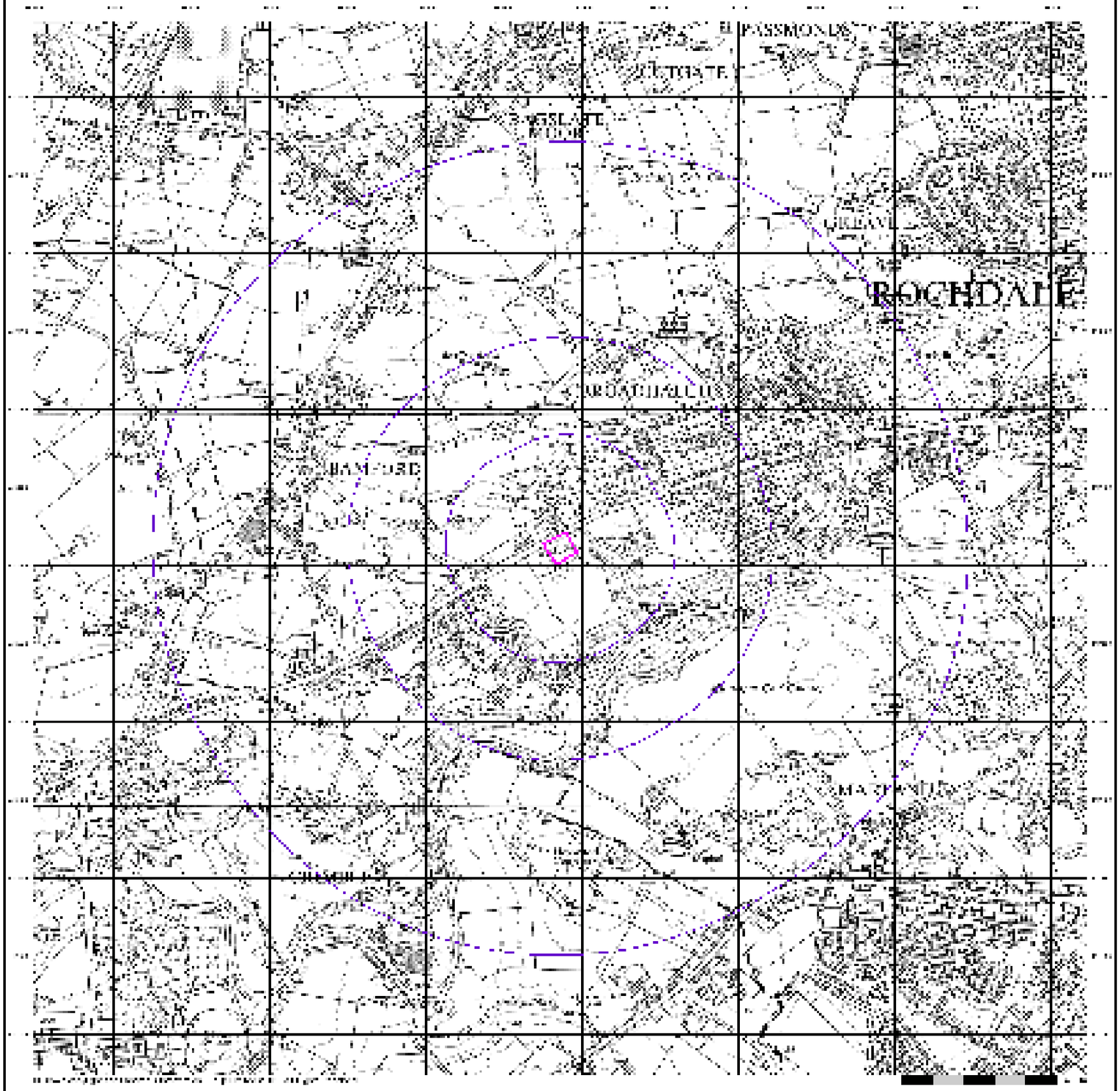

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LANDMARK INFORMATION GROUP

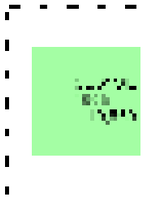
Ordnance Survey Plan

Published 1968

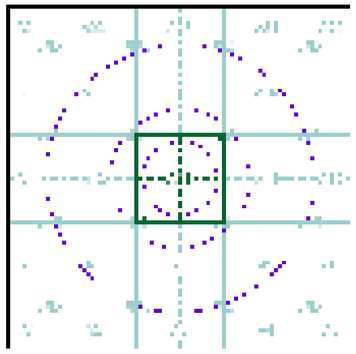
Source map scale - 1:10,000

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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Search Buffer (m):	1000

Site Details

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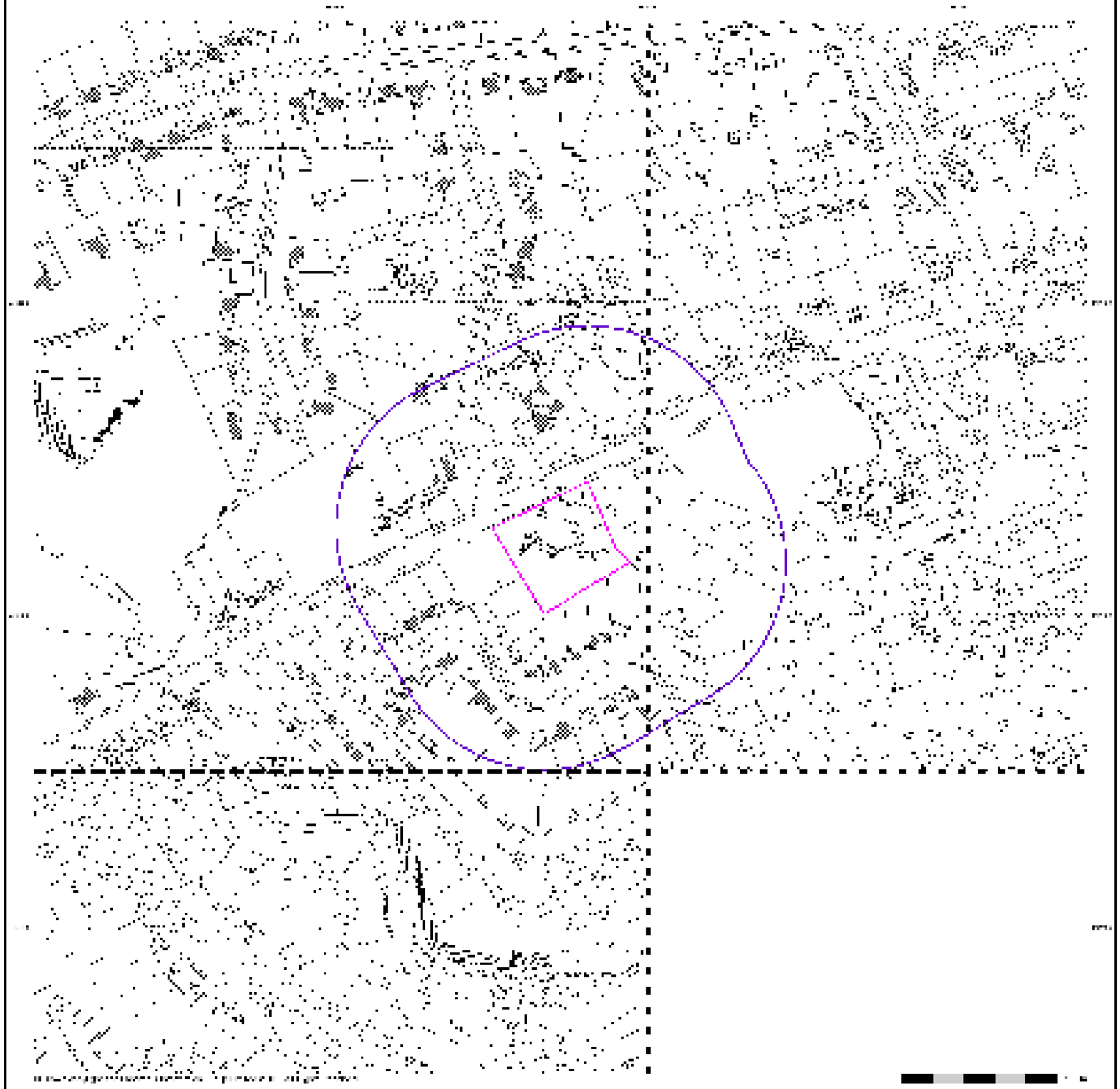

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LANDMARK INFORMATION GROUP

Ordnance Survey Plan

Published 1966 - 1970

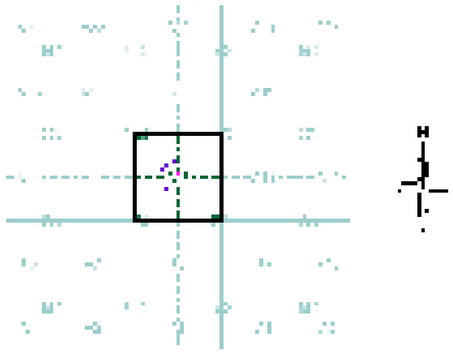
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	180405028_1_1
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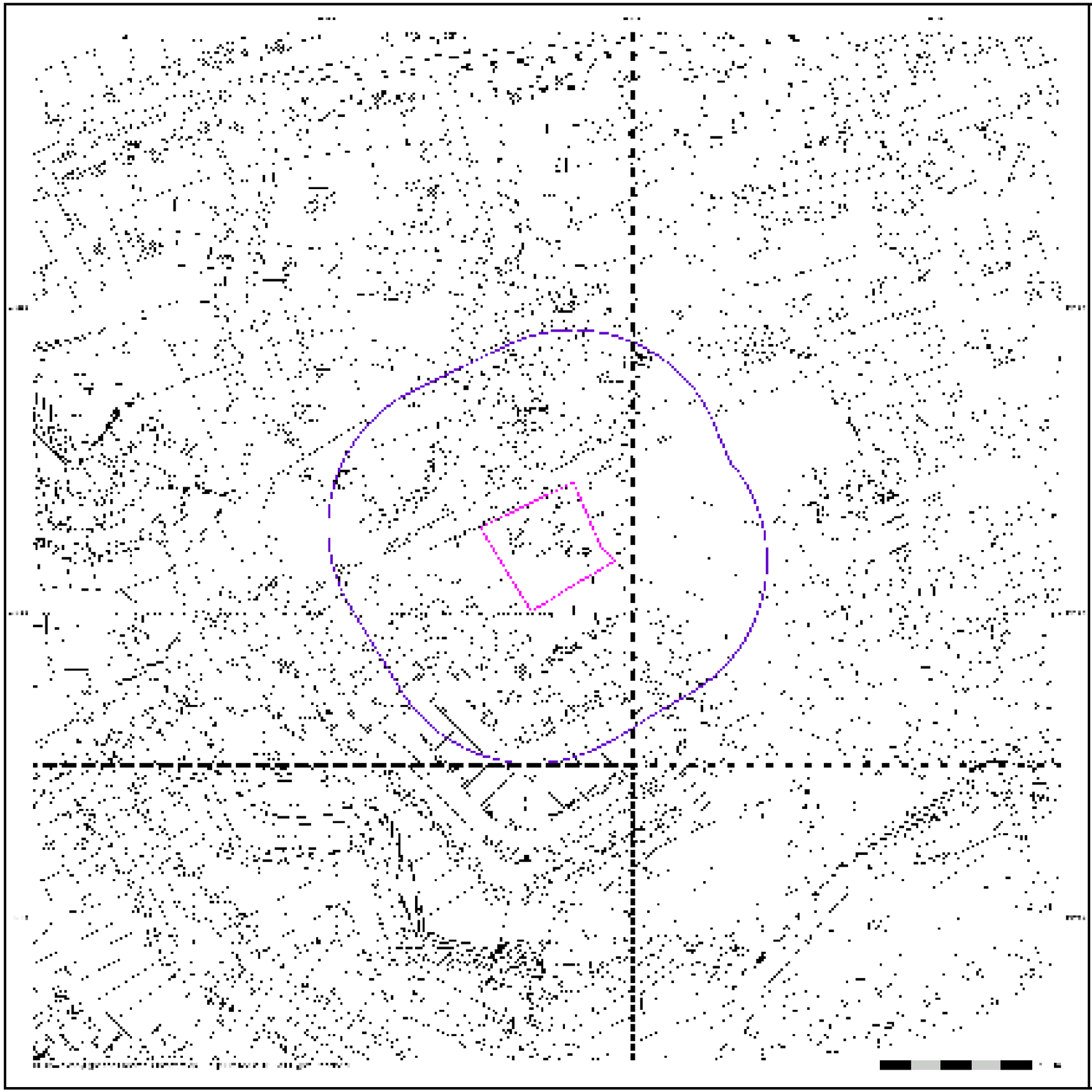
Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU



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LANDMARK INFORMATION GROUP

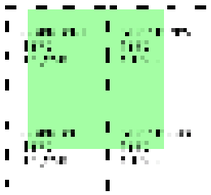
Supply of Unpublished Survey Information

Published 1975

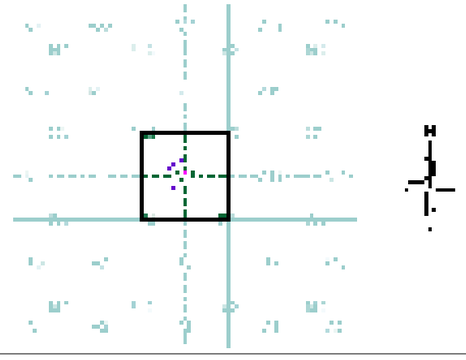
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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Order Number:	180405028_1_1
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National Grid Reference:	386940, 412640
Slice:	A
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Site Details

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Landmark

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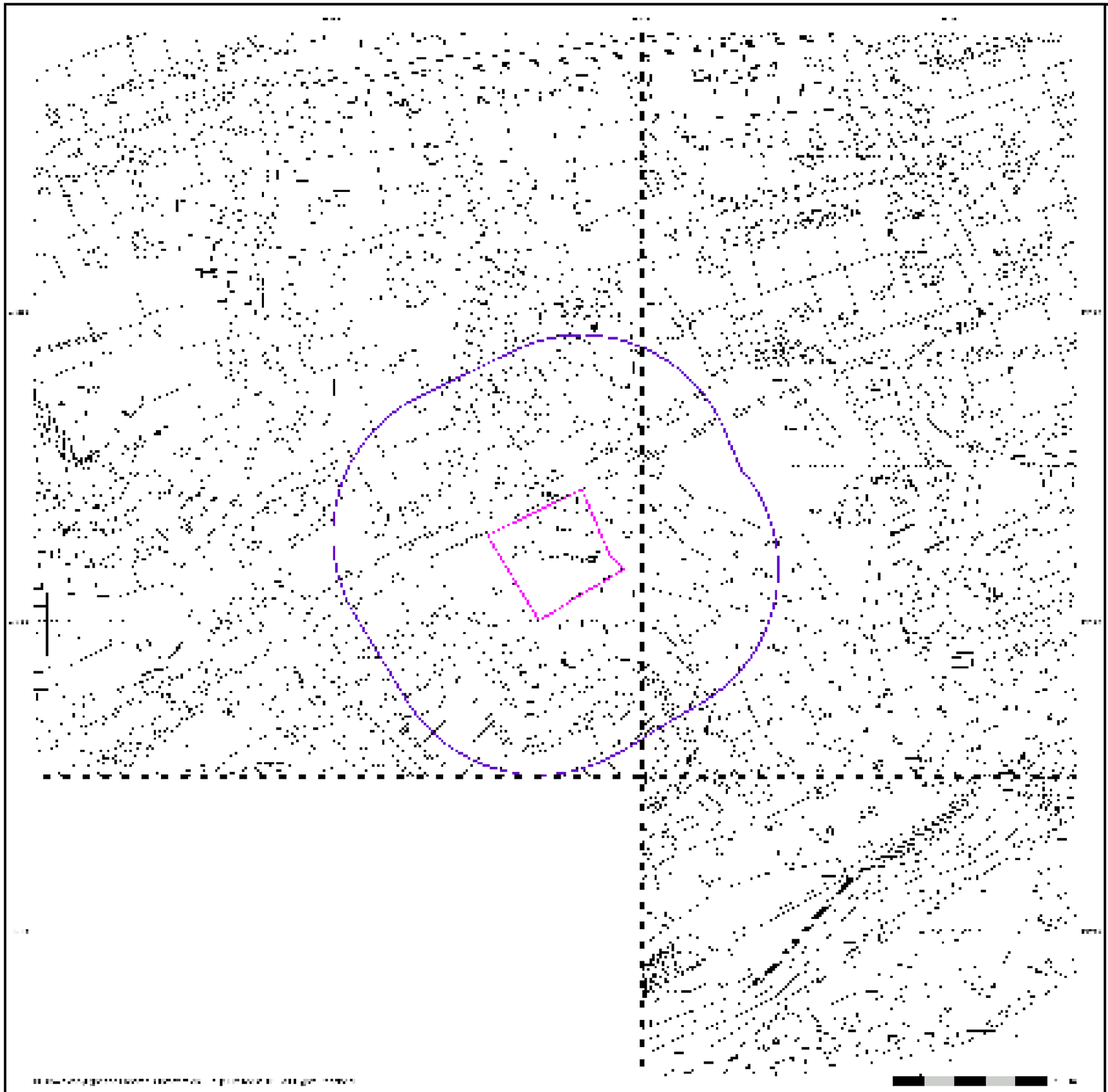

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LANDMARK INFORMATION GROUP

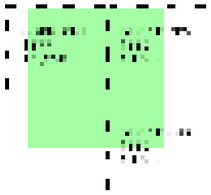
Additional SIMs

Published 1977 - 1990

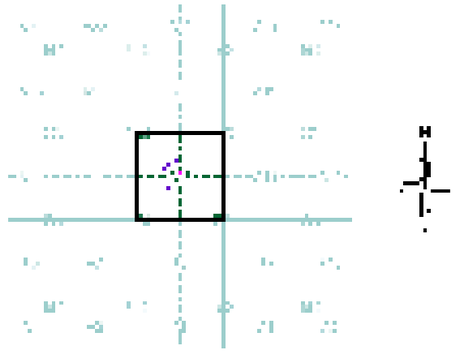
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
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Site Details

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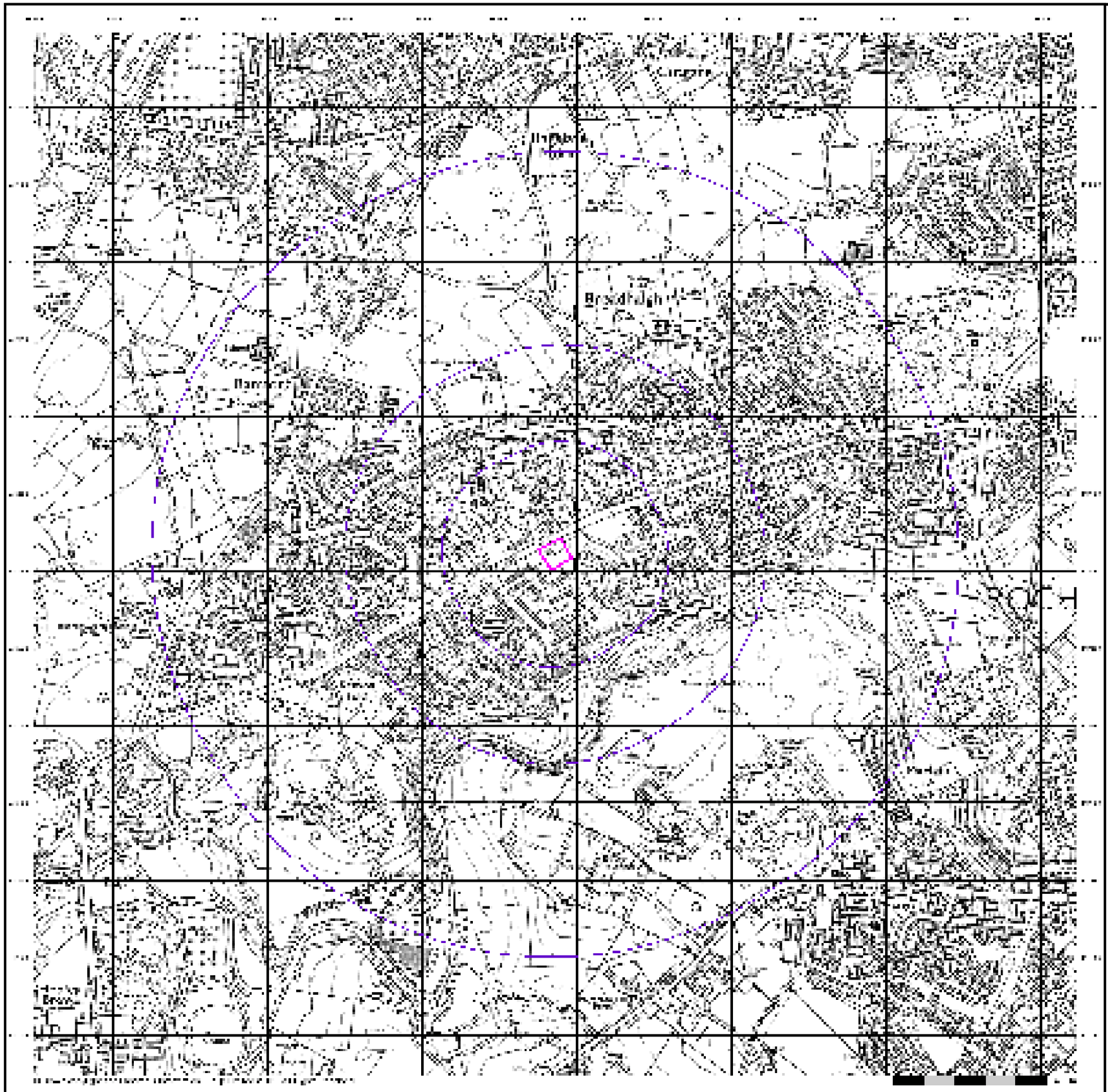
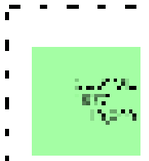


Envirocheck

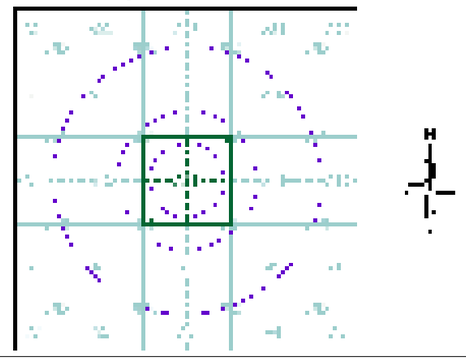
Ordnance Survey Plan
Published 1977
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	180405028_1_1
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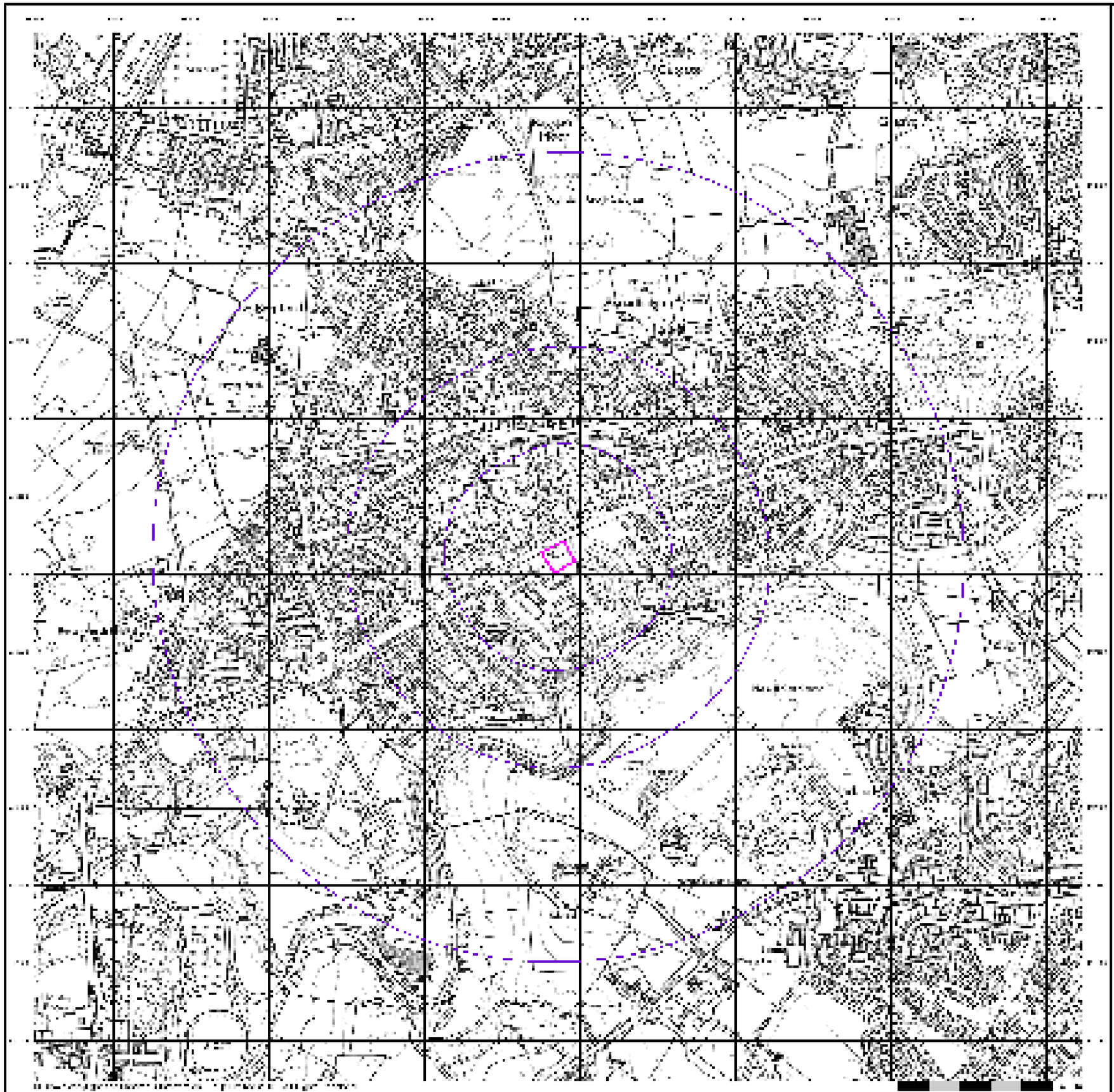

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LANDMARK INFORMATION GROUP

Ordnance Survey Plan

Published 1988

Source map scale - 1:10,000

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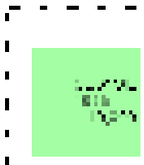
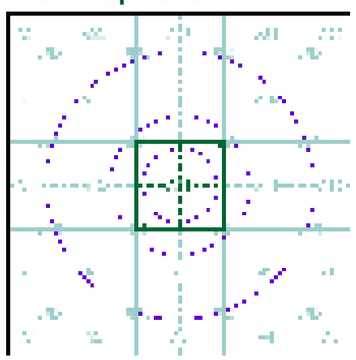
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	180405028_1_1
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Site Details

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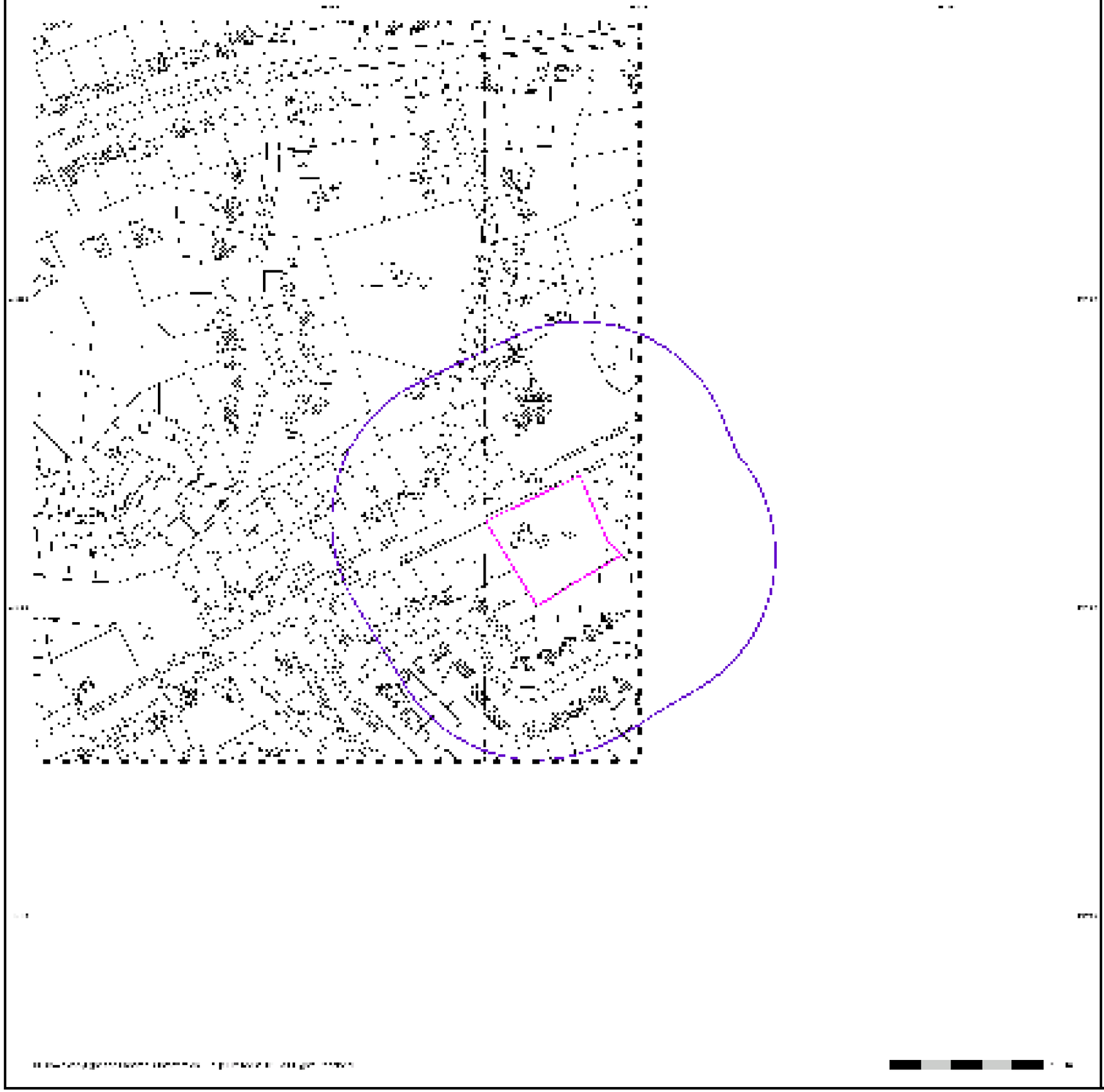

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LANDMARK INFORMATION GROUP

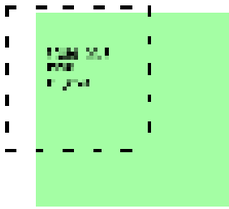
Additional SIMs

Published 1990

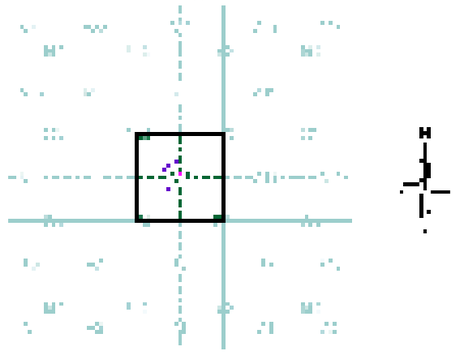
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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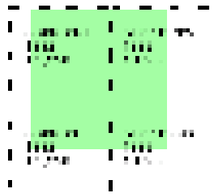
Large-Scale National Grid Data

Published 1992

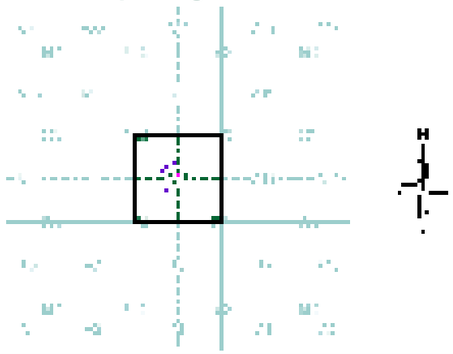
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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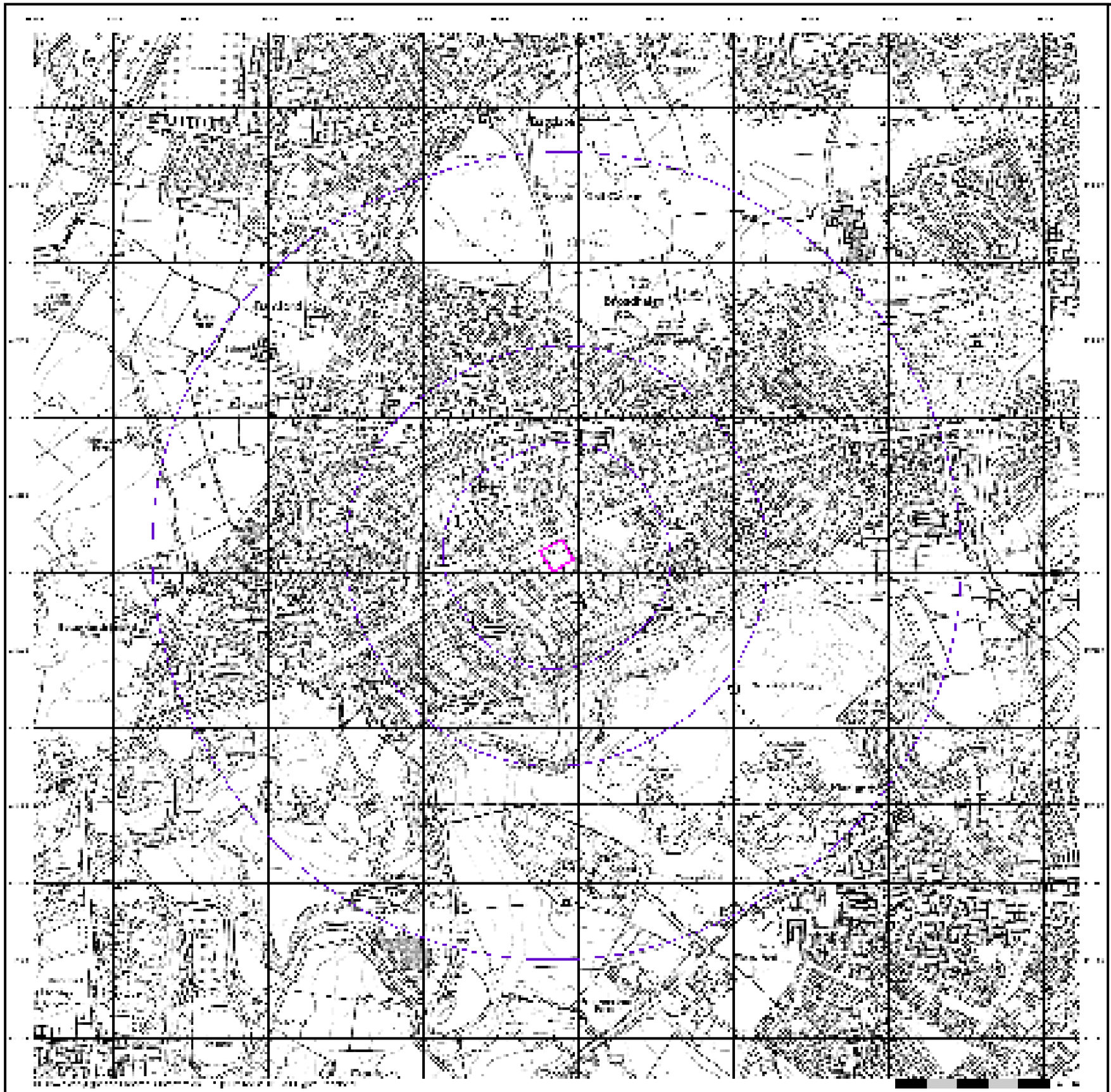

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LANDMARK INFORMATION GROUP

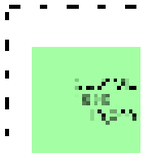
Ordnance Survey Plan

Published 1993

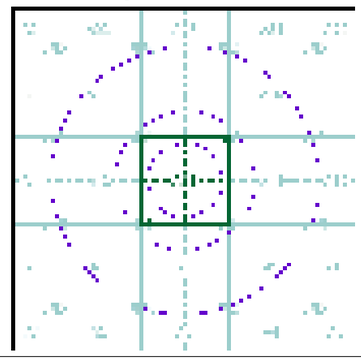
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

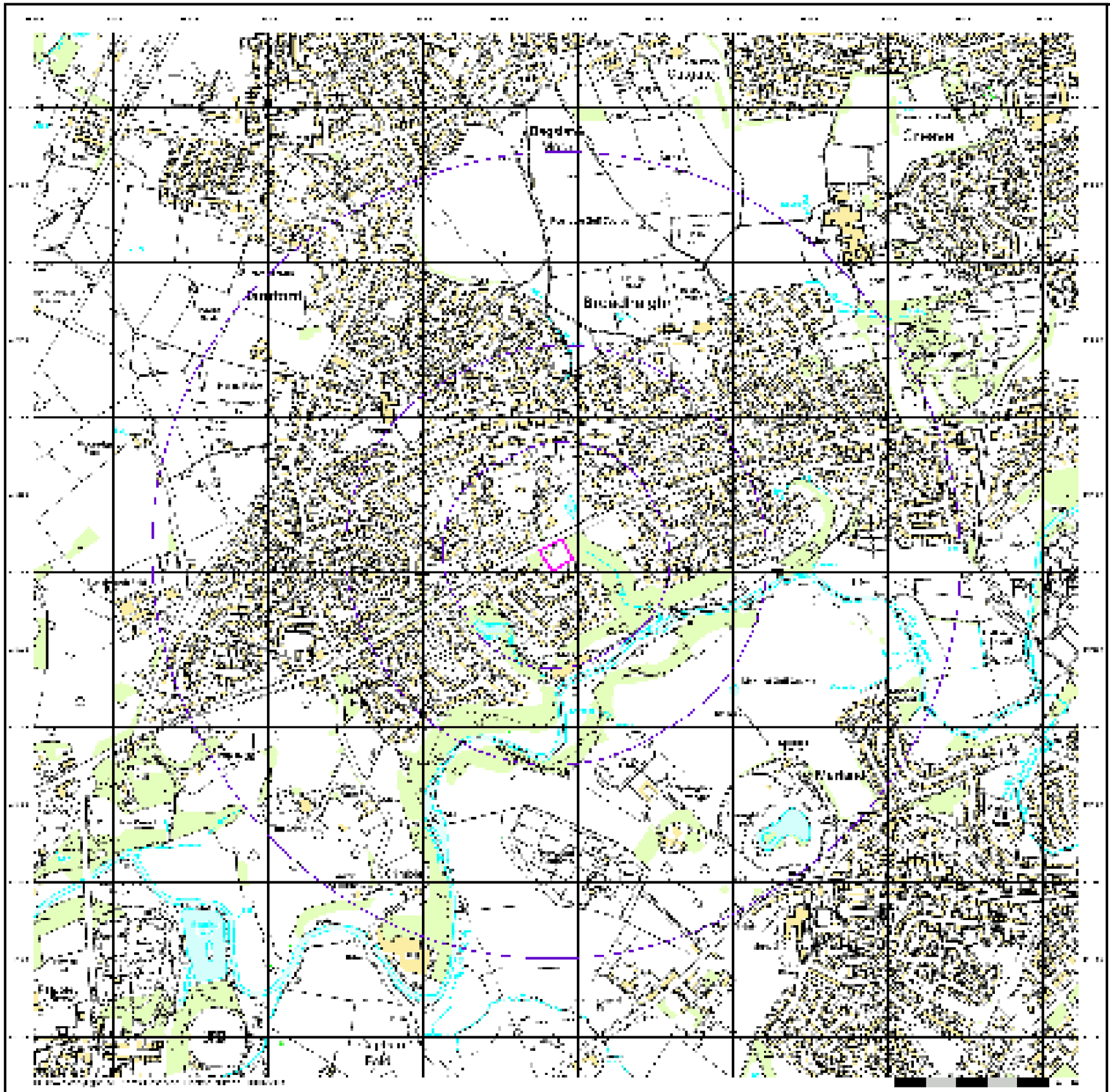
Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
Site Area (Ha):	0.4
Search Buffer (m):	1000

Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU

Landmark

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



Envirocheck

LANDMARK INFORMATION GROUP

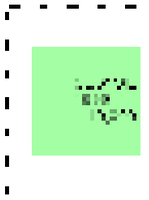
10k Raster Mapping

Published 1999

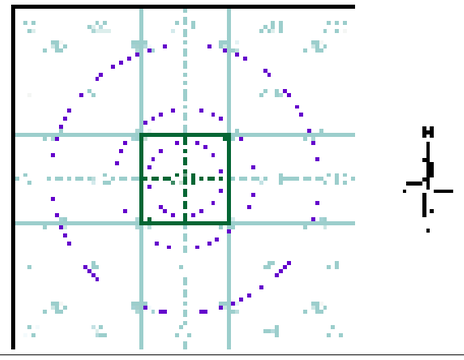
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	180405028_1_1
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Slice:	A
Site Area (Ha):	0.4
Search Buffer (m):	1000

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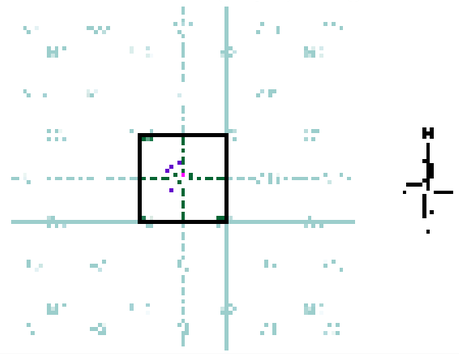
LANDMARK INFORMATION GROUP

Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
Site Area (Ha):	0.4
Search Buffer (m):	100

Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU

Landmark INFORMATION GROUP

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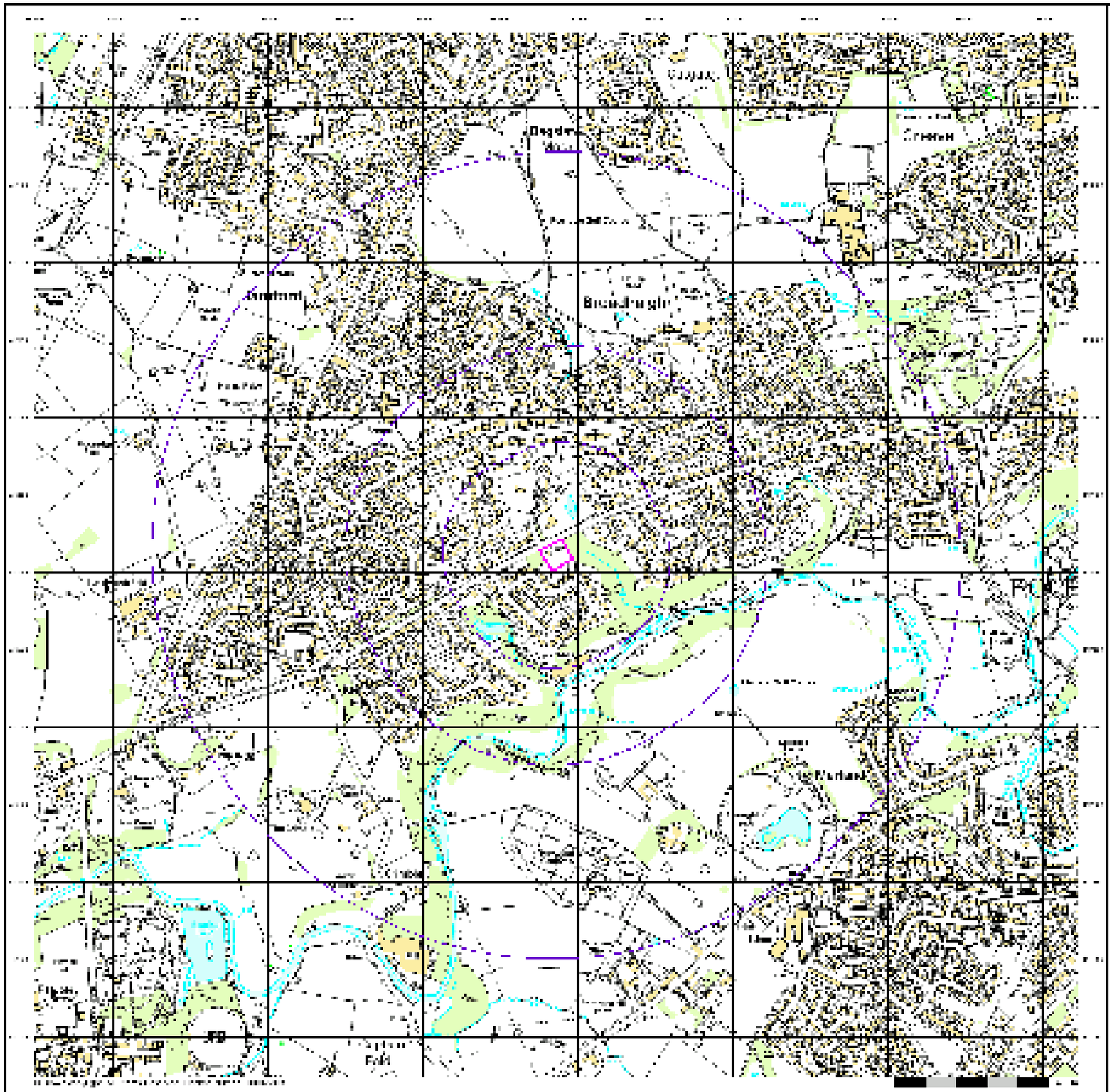


Envirocheck

LANDMARK INFORMATION GROUP

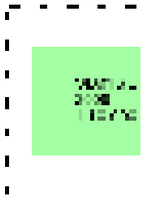
10k Raster Mapping

Published 2006

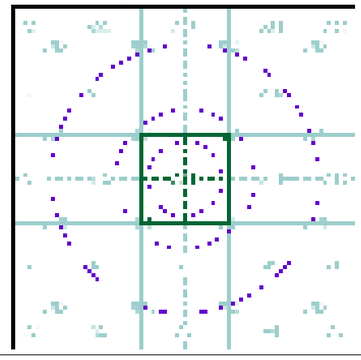
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	180405028_1_1
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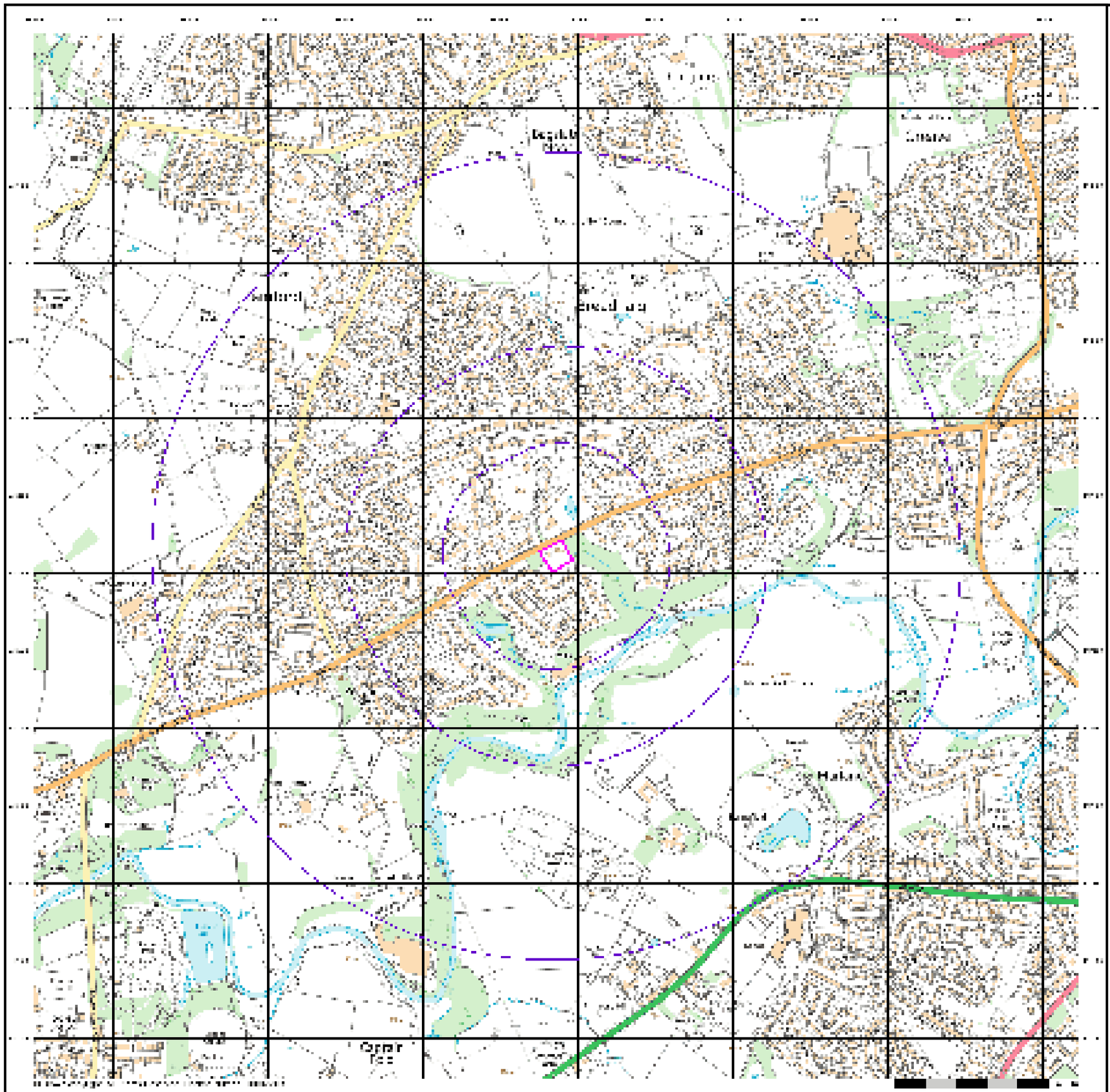
Slice:	A
Site Area (Ha):	0.4
Search Buffer (m):	1000

Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU



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LANDMARK INFORMATION GROUP

VectorMap Local

Published 2018

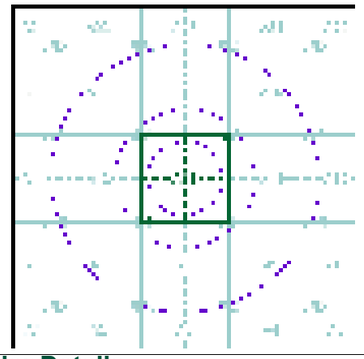
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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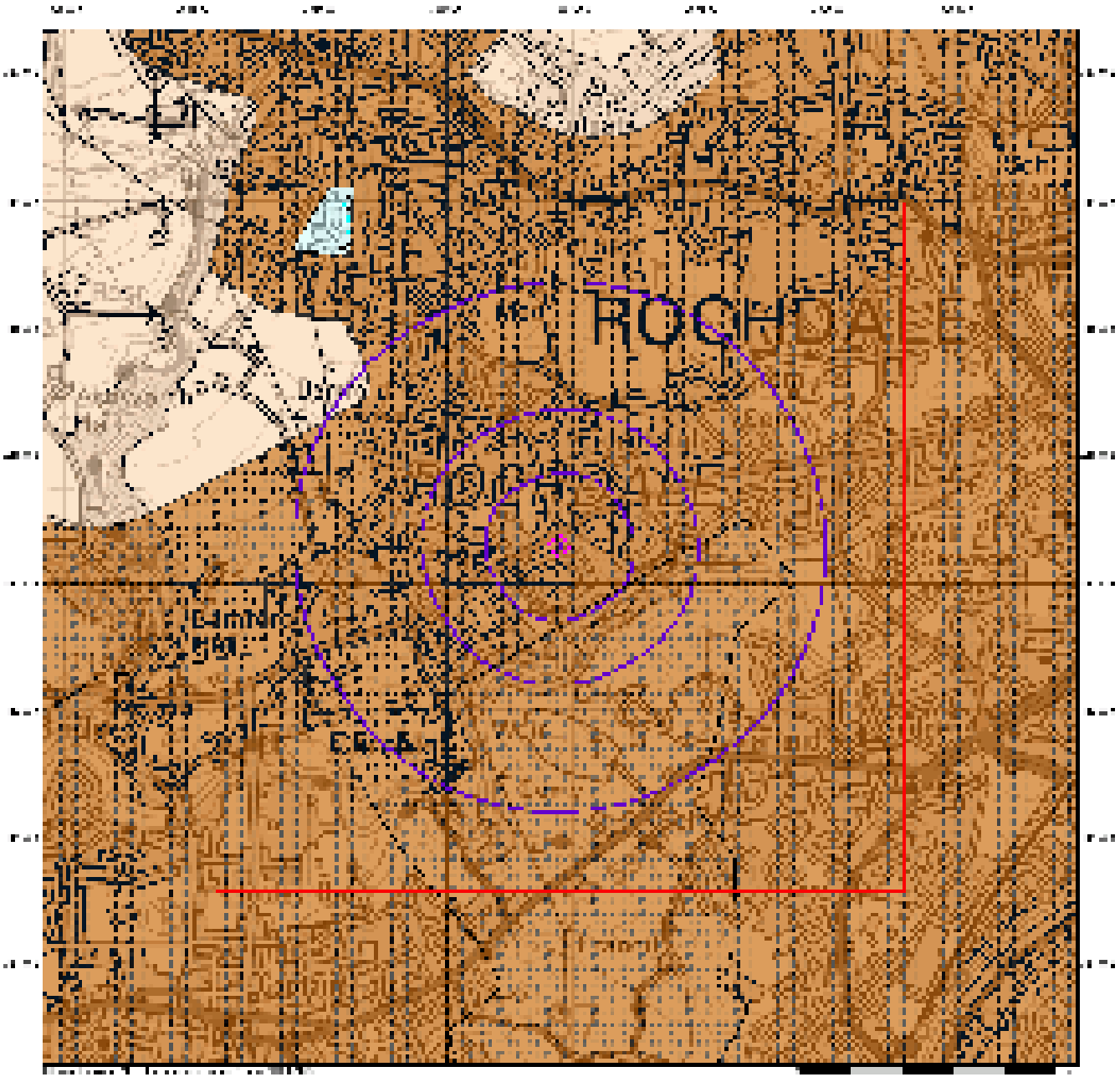
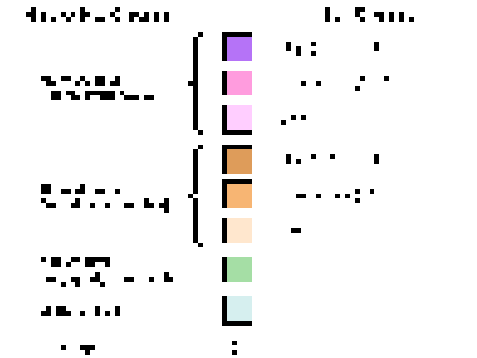
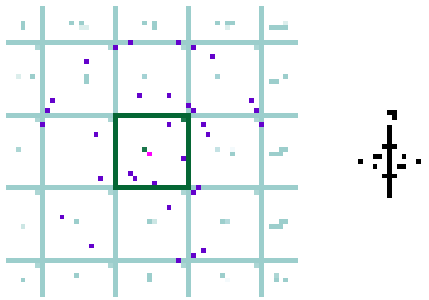


Envirocheck

Groundwater Vulnerability



Site Sensitivity Context Map - Slice A



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Order Number:	180405028_1_1
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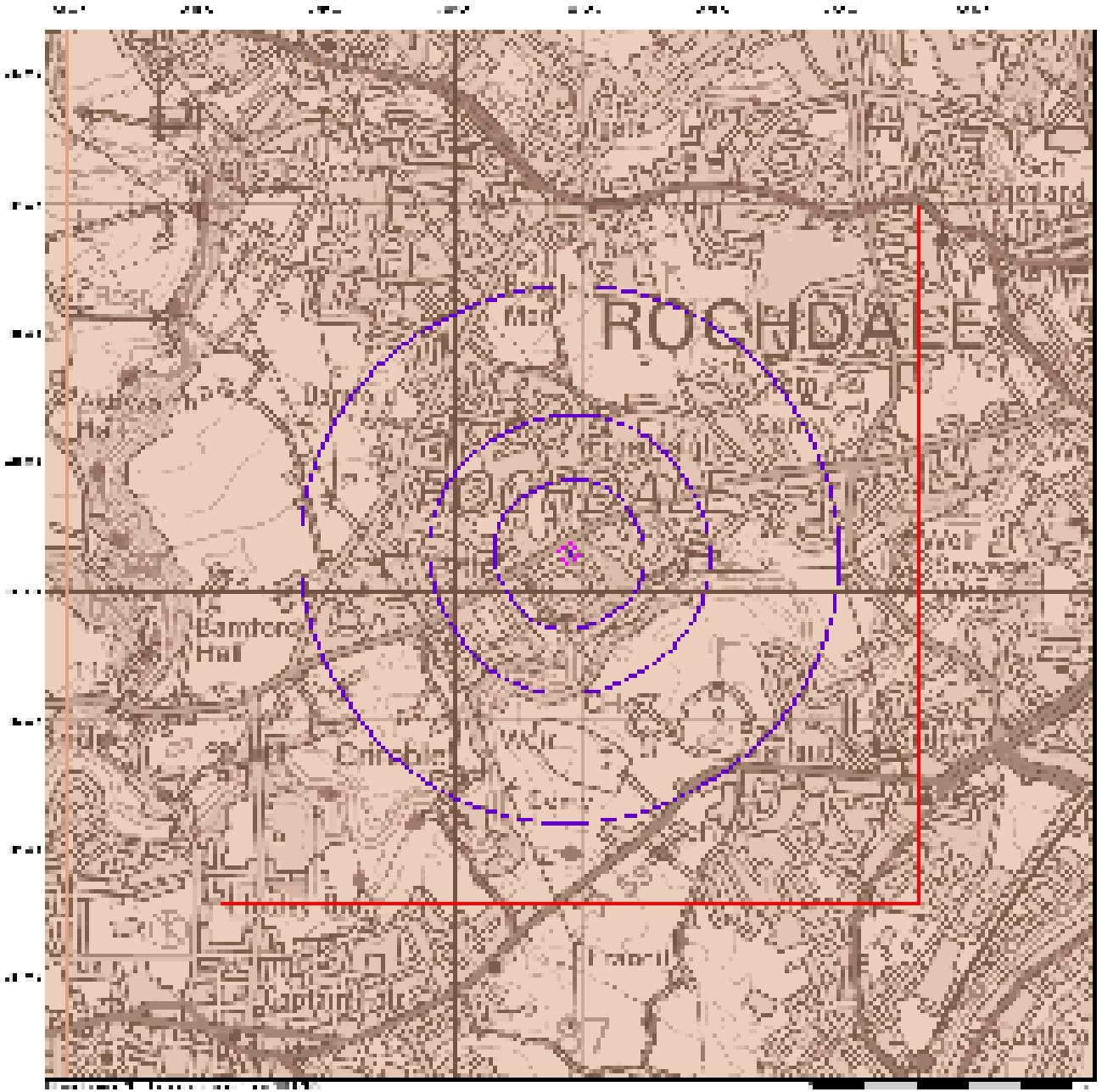

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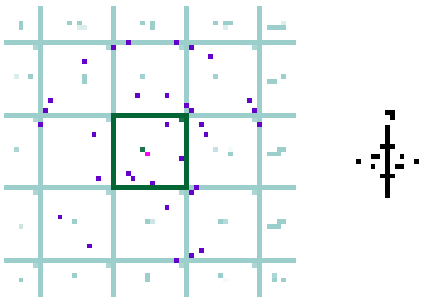
Bedrock Aquifer Designation

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
Site Area (Ha):	0.4
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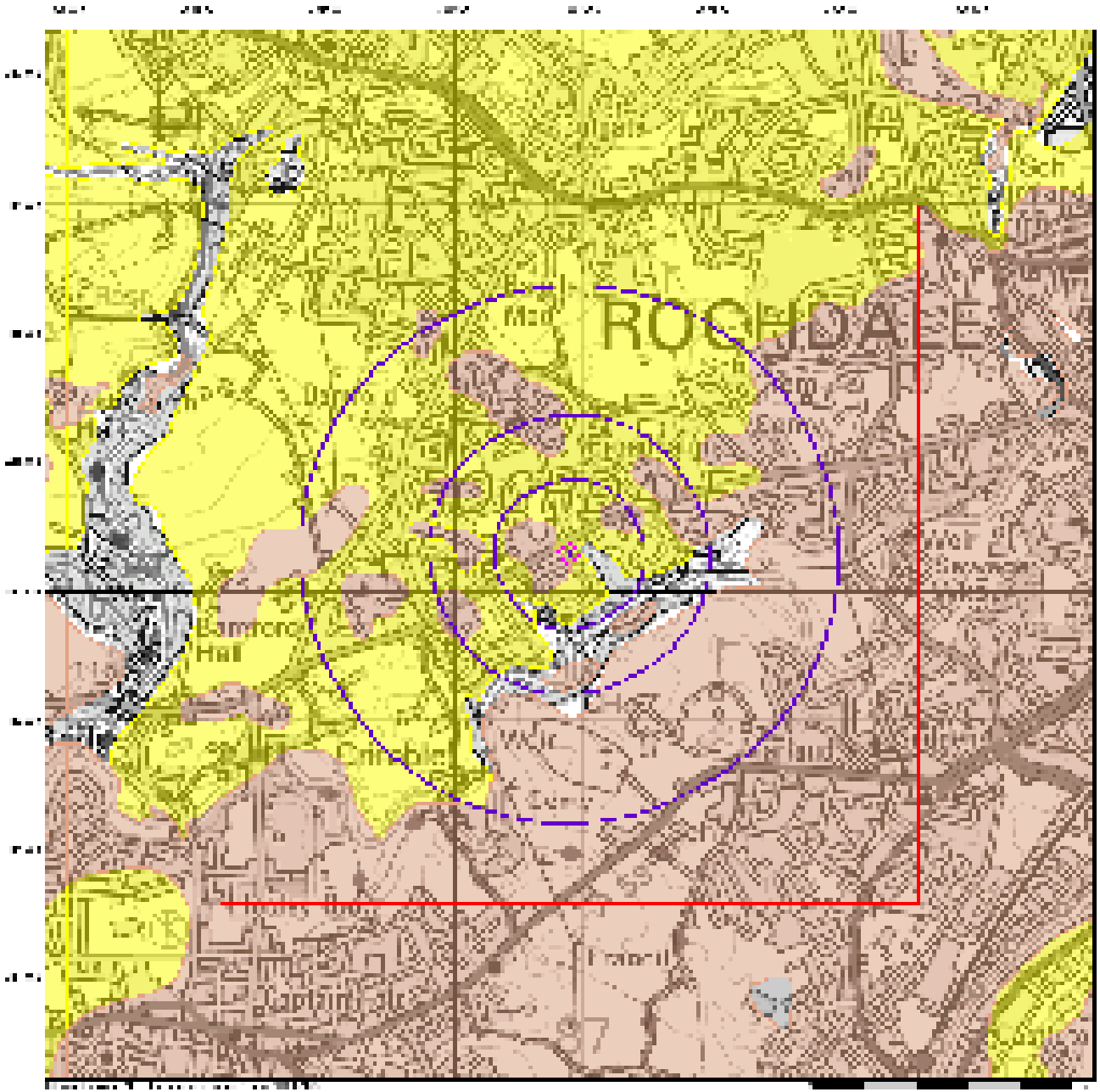
Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU

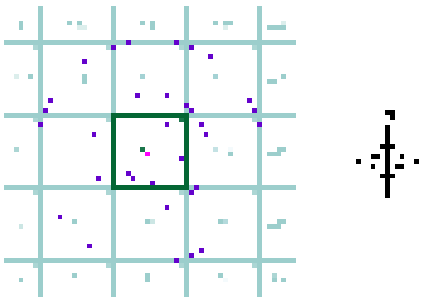
Landmark
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck

Superficial Aquifer Designation

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
Site Area (Ha):	0.4
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Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU

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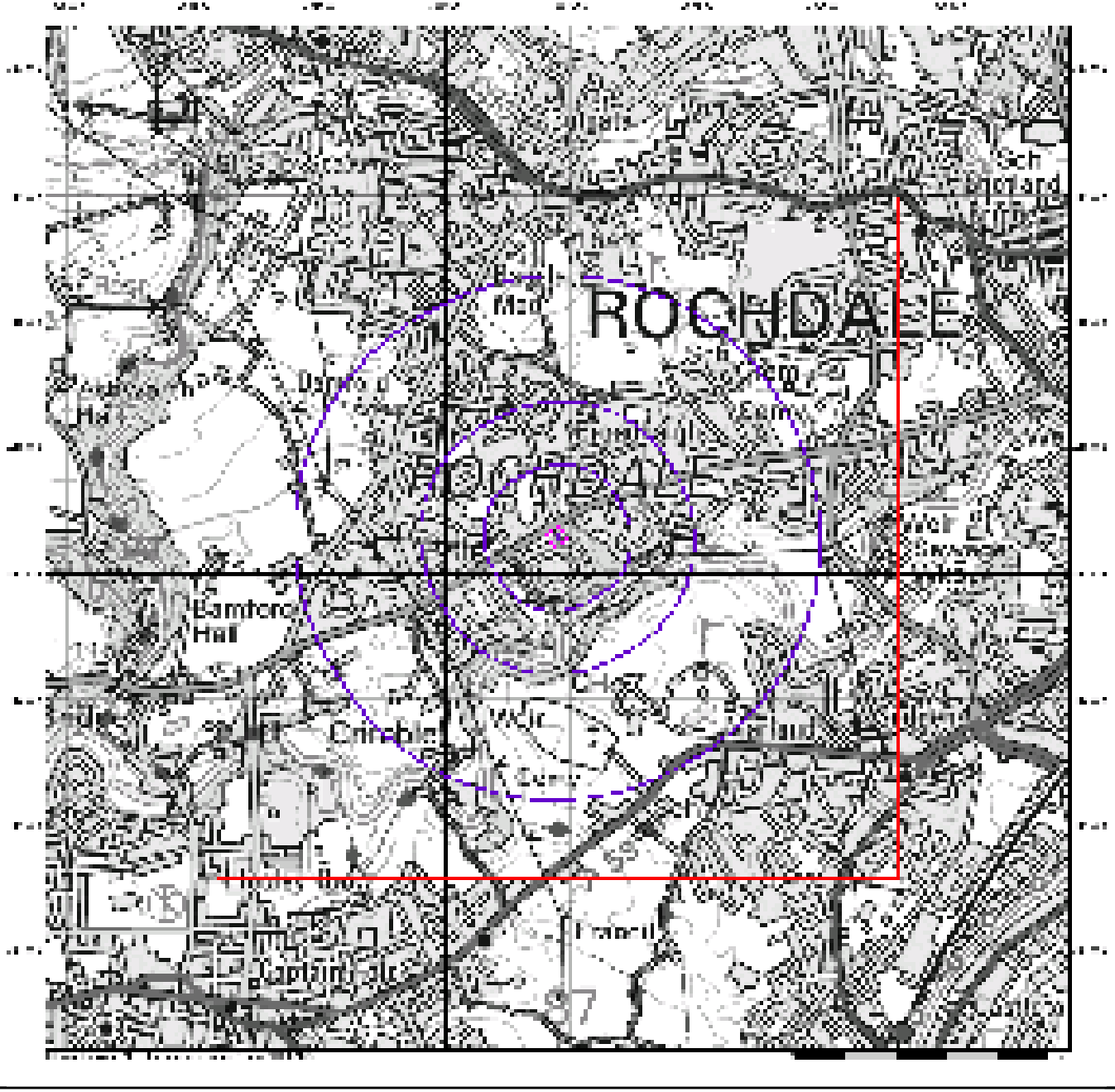
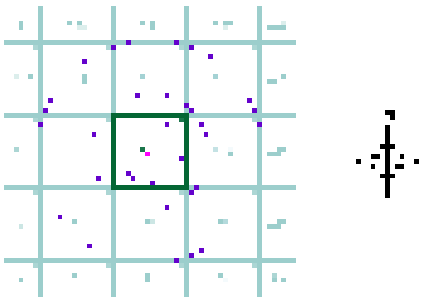


Envirocheck

Source Protection Zones

Site Sensitivity Context Map - Slice A



Order Details

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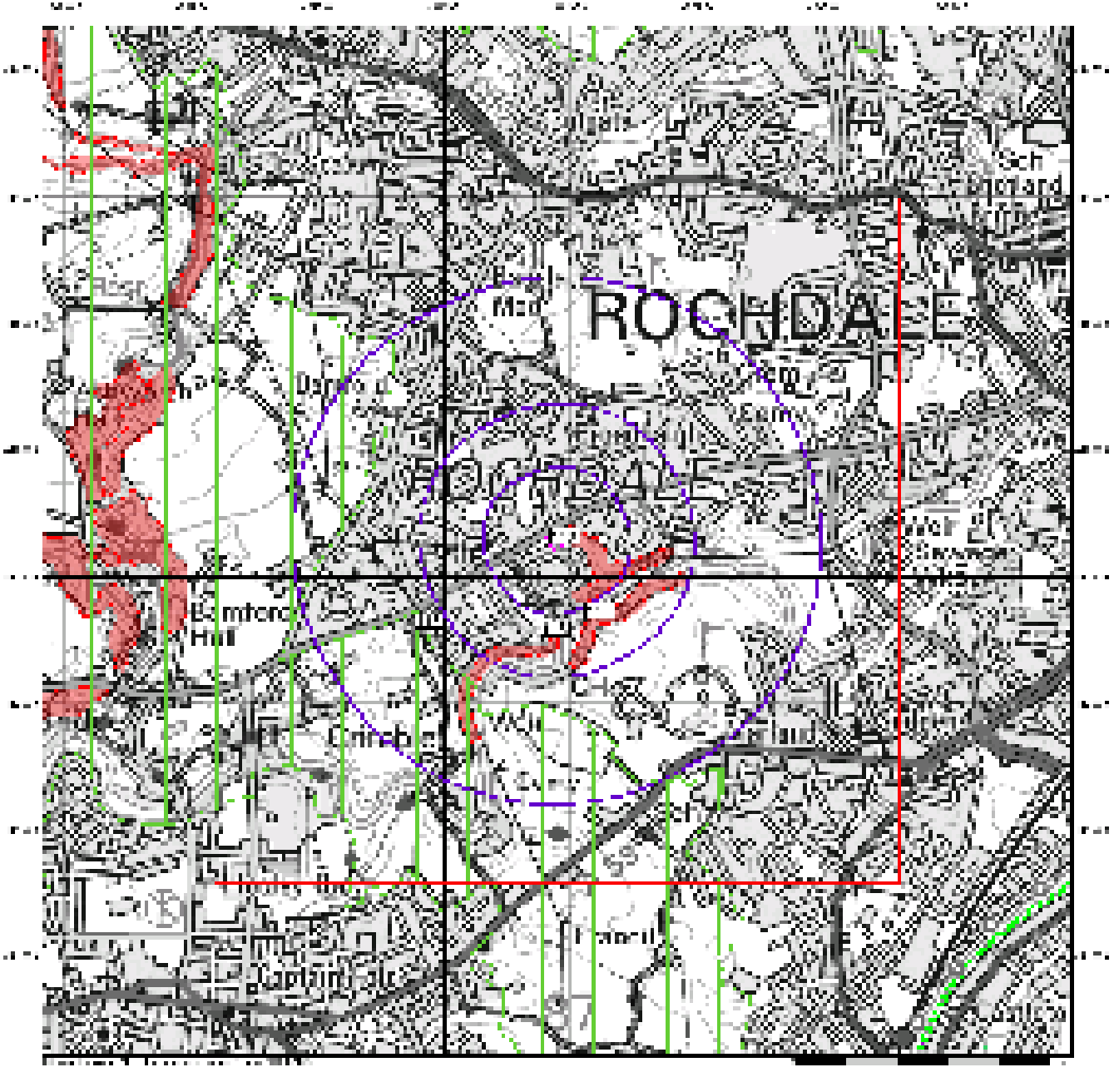
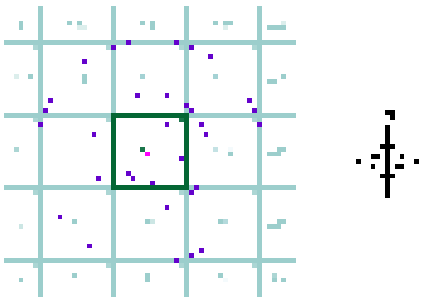


Envirocheck

Sensitive Land Uses

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
Site Area (Ha):	0.4
Search Buffer (m):	1000

Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU

Landmark
Tel: 0844 844 9952
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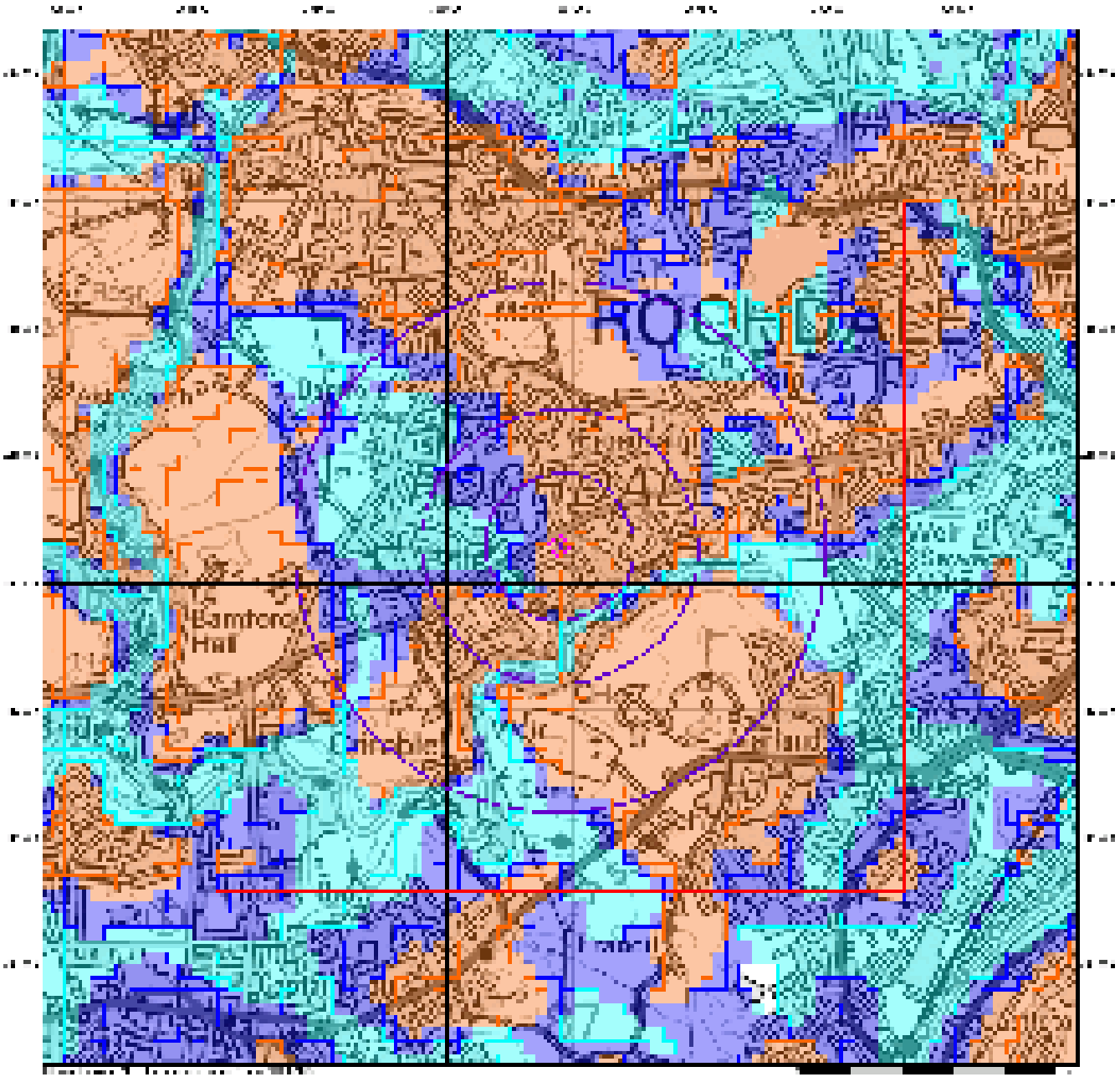
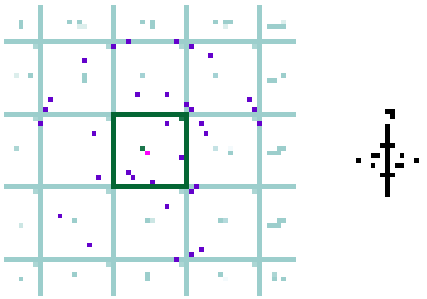


Envirocheck

BGS Flood GFS Data

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
Site Area (Ha):	0.4
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Site Details

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Landmark
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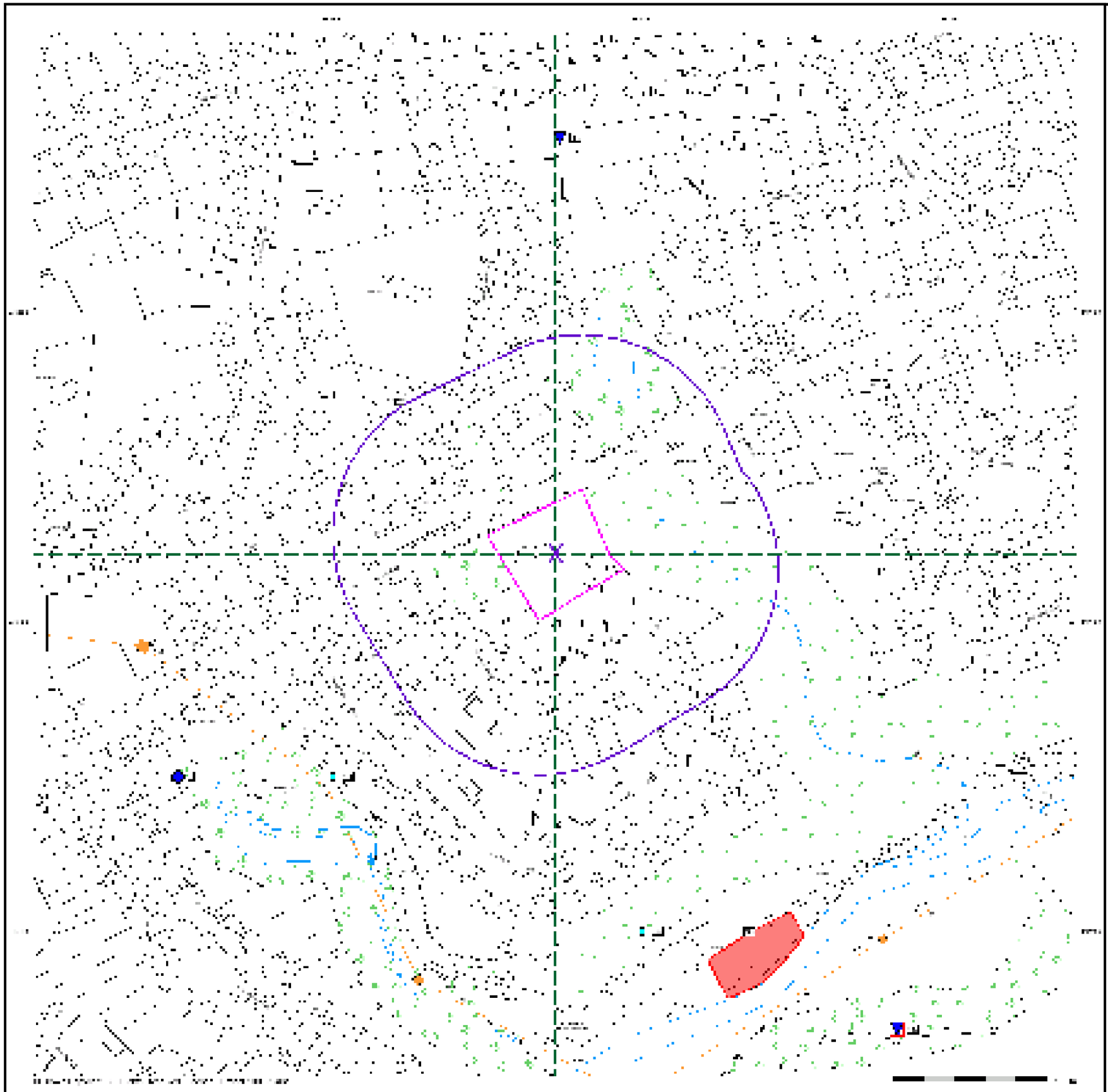

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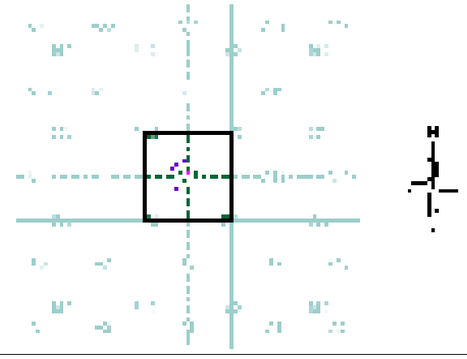
LANDMARK INFORMATION GROUP

Site Sensitivity Map - Segment A13



Order Details

Order Number:	180405028_1_1
Customer Ref:	1250
National Grid Reference:	386940, 412640
Slice:	A
Site Area (Ha):	0.4
Plot Buffer (m):	100

Site Details

Midge Hall, 687, Bury Road, ROCHDALE, OL11 4AU

Landmark

Tel: 0844 844 9952
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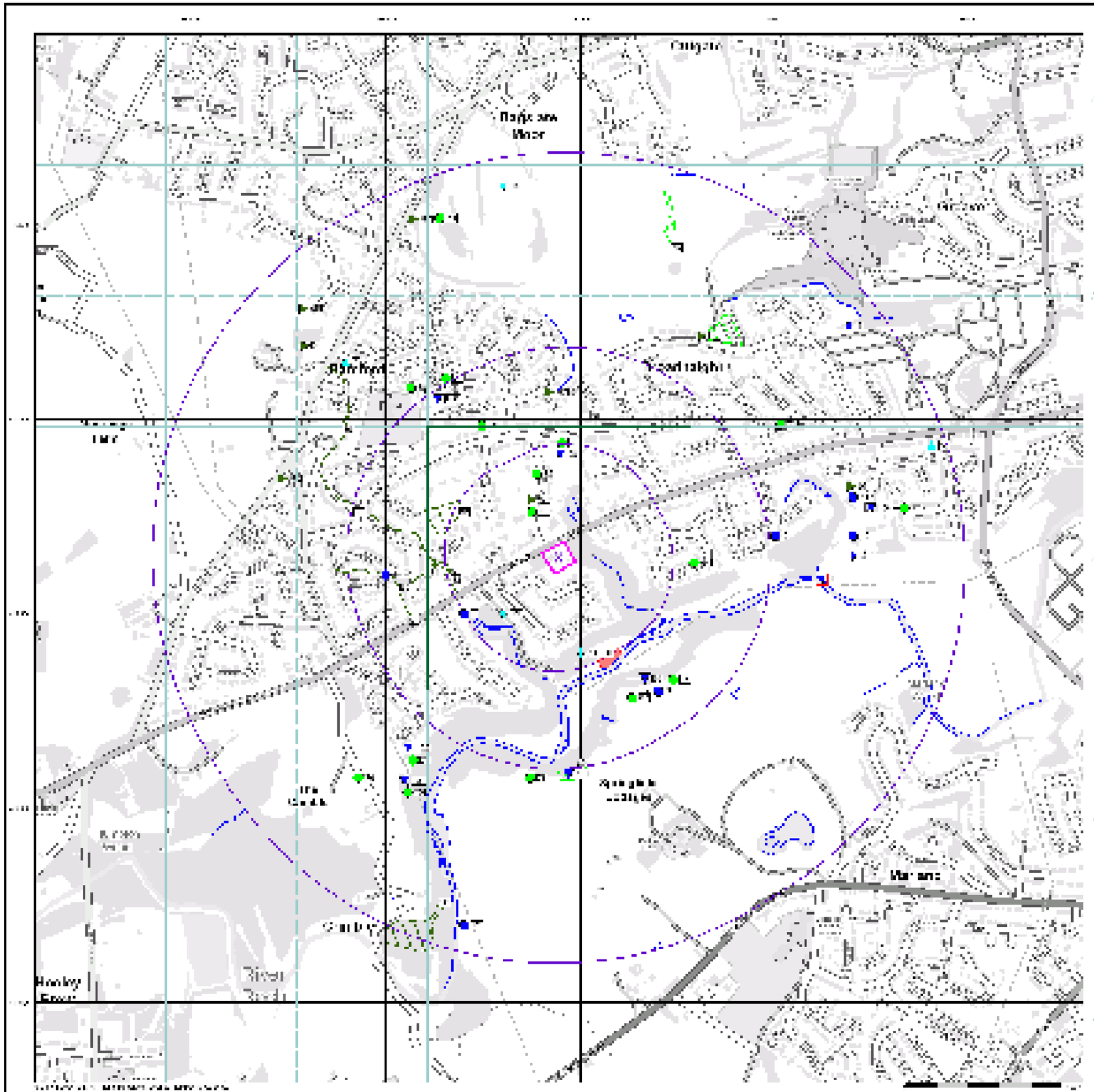

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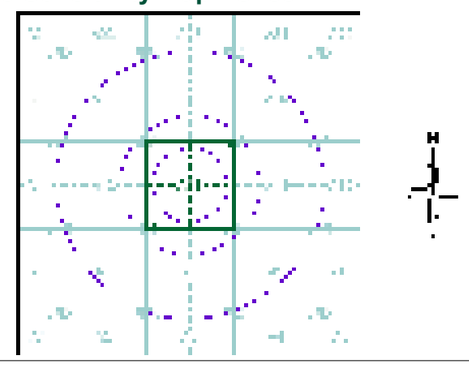
LANDMARK INFORMATION GROUP

Site Sensitivity Map - Slice A



Order Details

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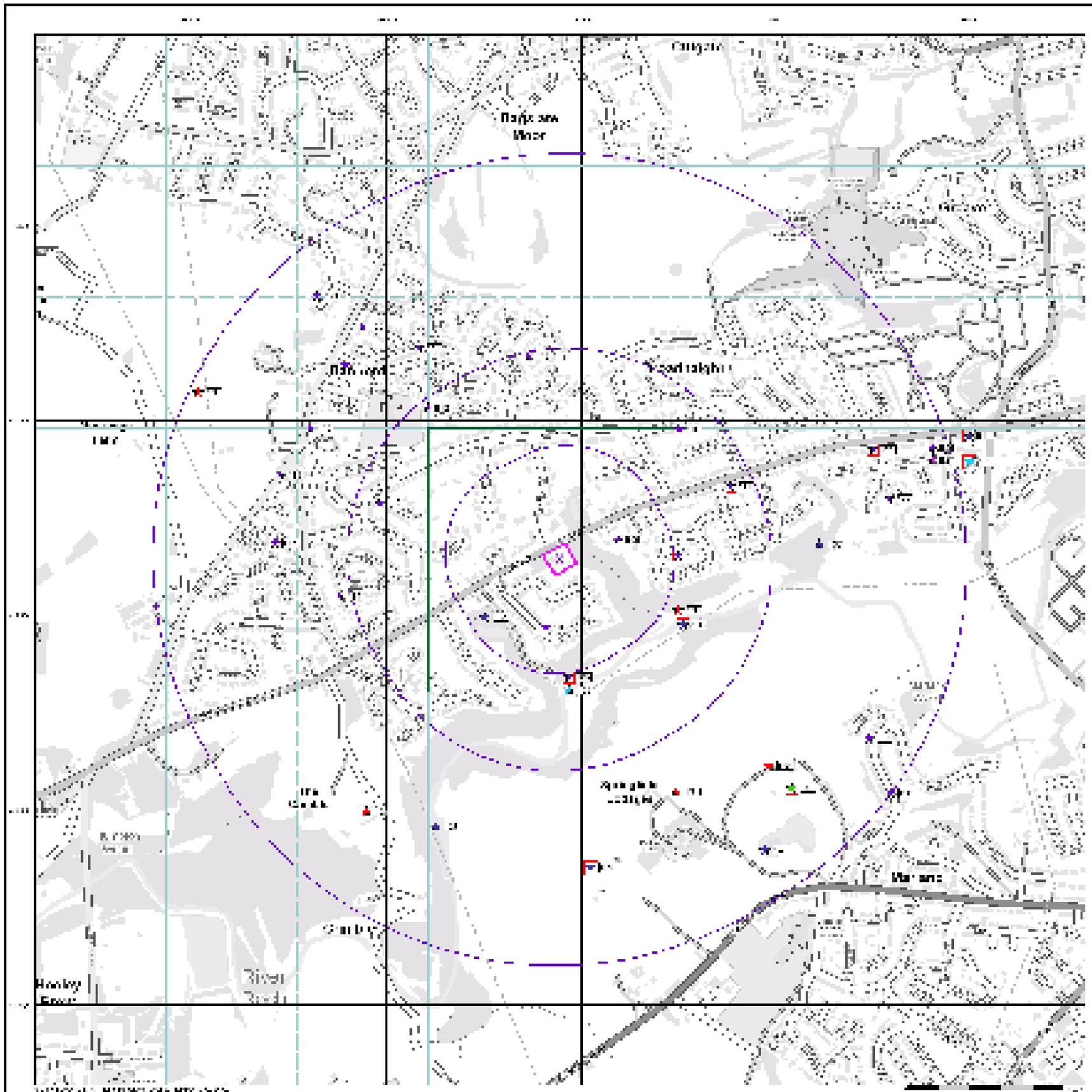
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Hanging Ditch
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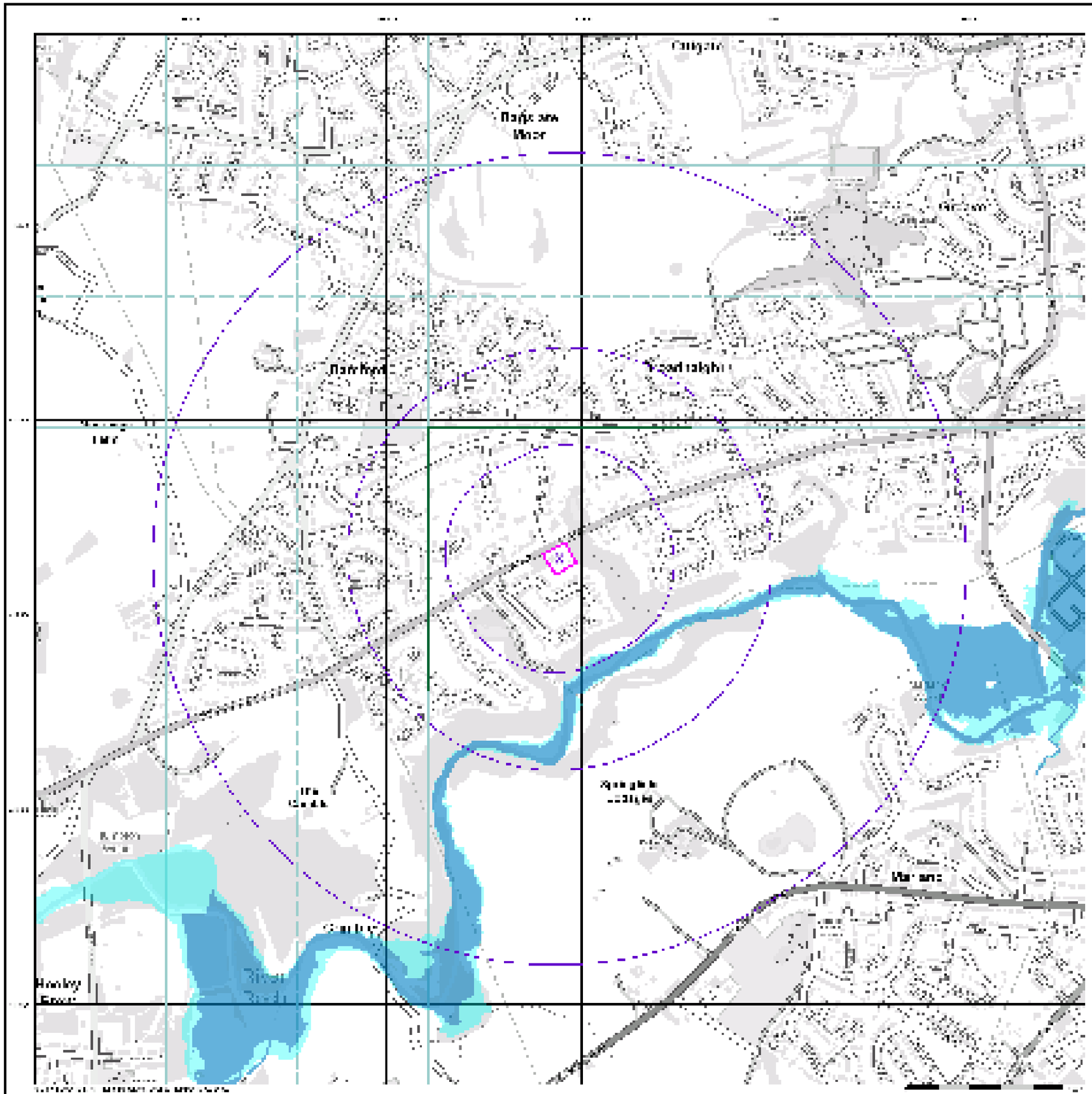

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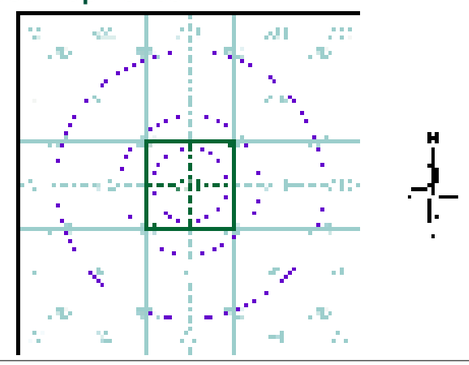
LANDMARK INFORMATION GROUP

Search

Agency and Hydrological Data

Flood Map - Slice A



Order Details

Order Number:	180405028_1_1
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National Grid Reference:	386940, 412640
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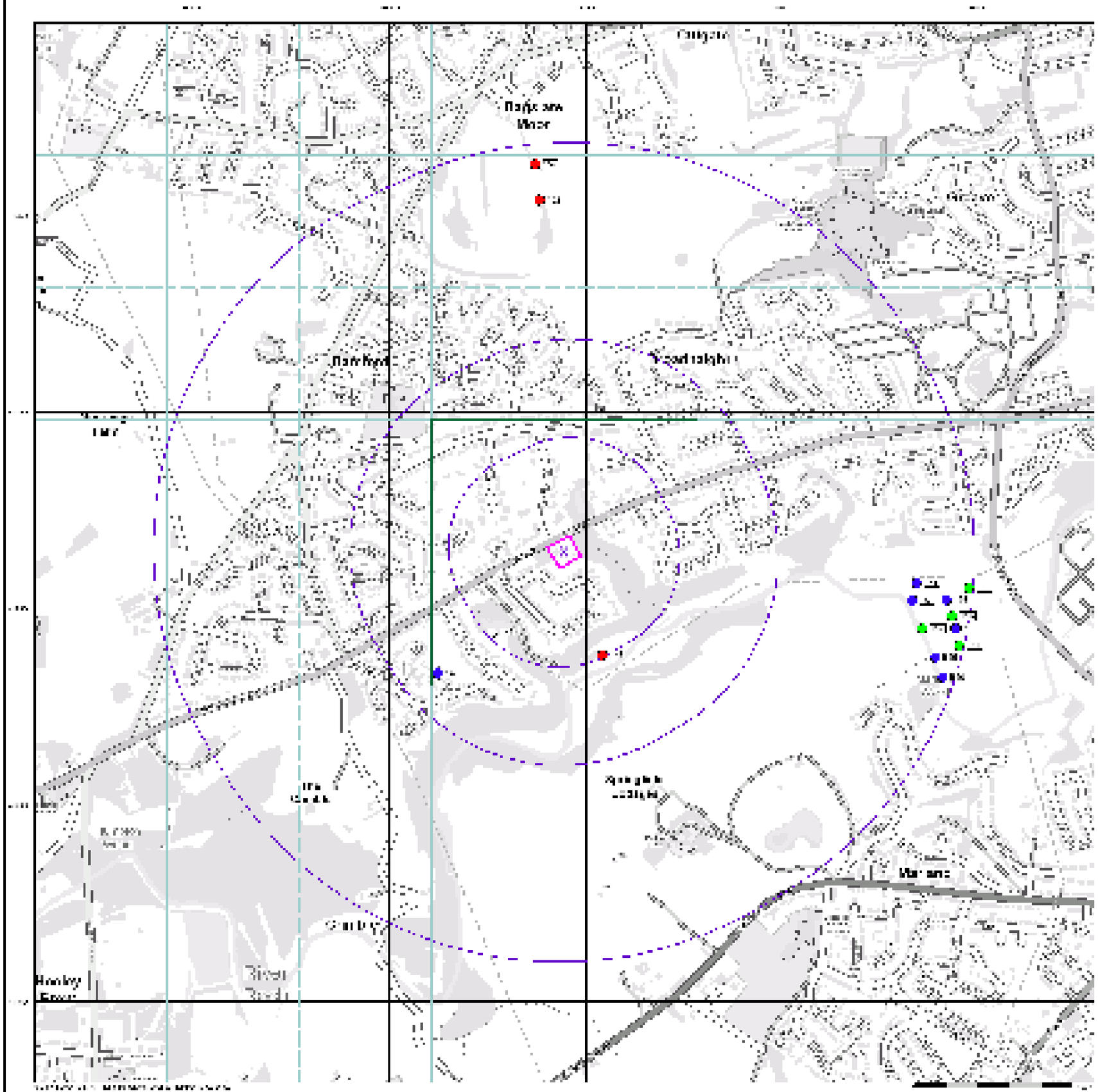


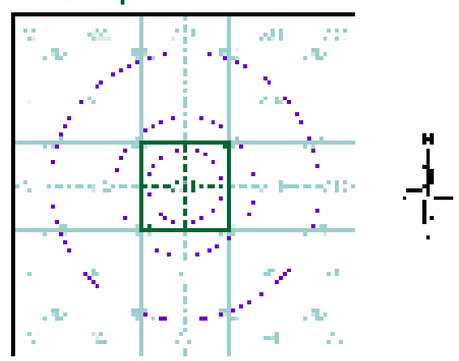
Envirocheck

LANDMARK INFORMATION GROUP

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

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

Borehole Map - Slice A



Order Details

Order Number:	180405028_1_1
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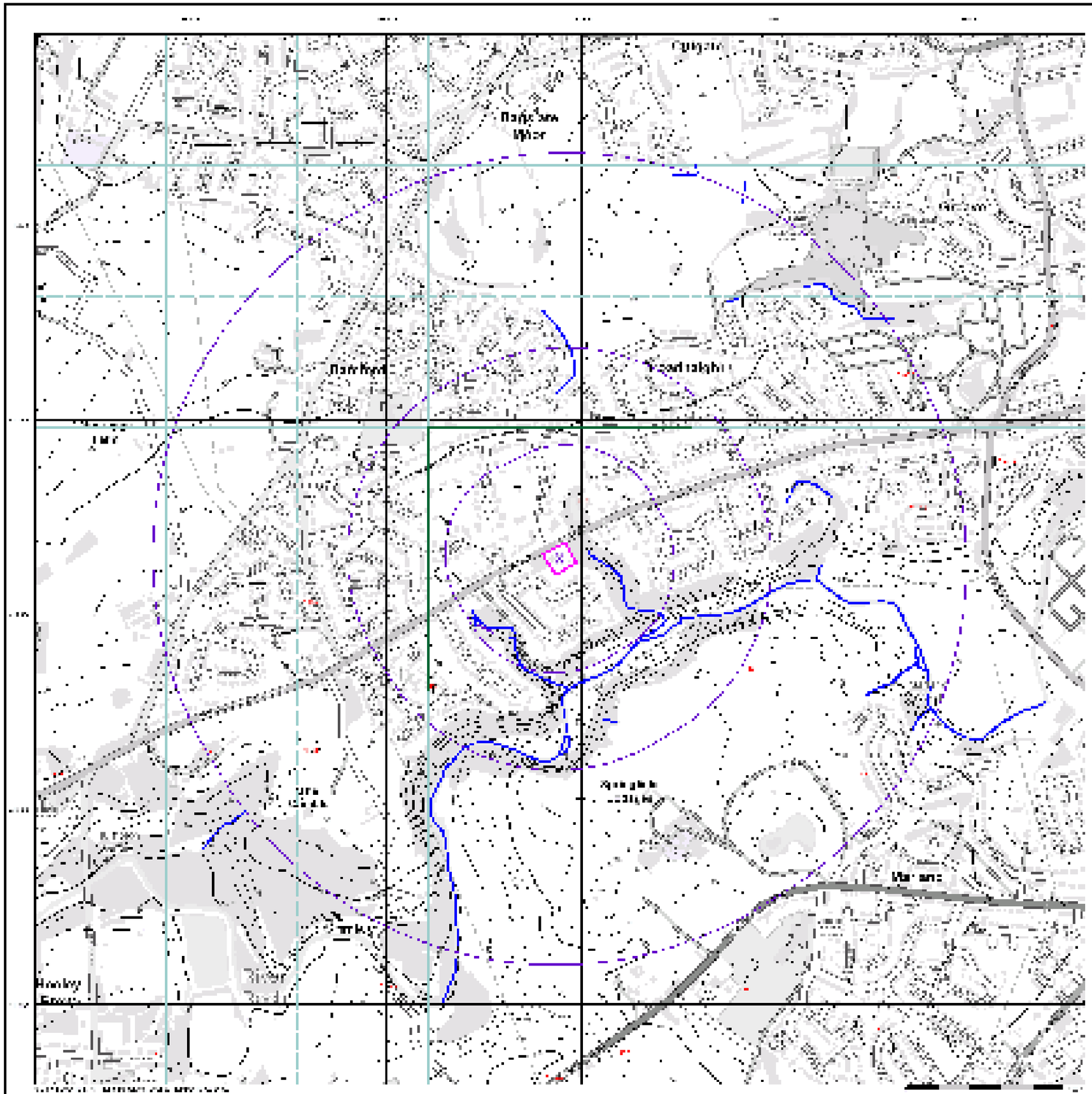


Envirocheck

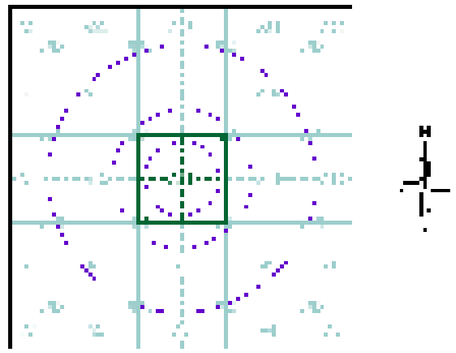
LANDMARK INFORMATION GROUP

General

OS Water Network Data

Contours (Height in metres)

OS Water Network Map - Slice A



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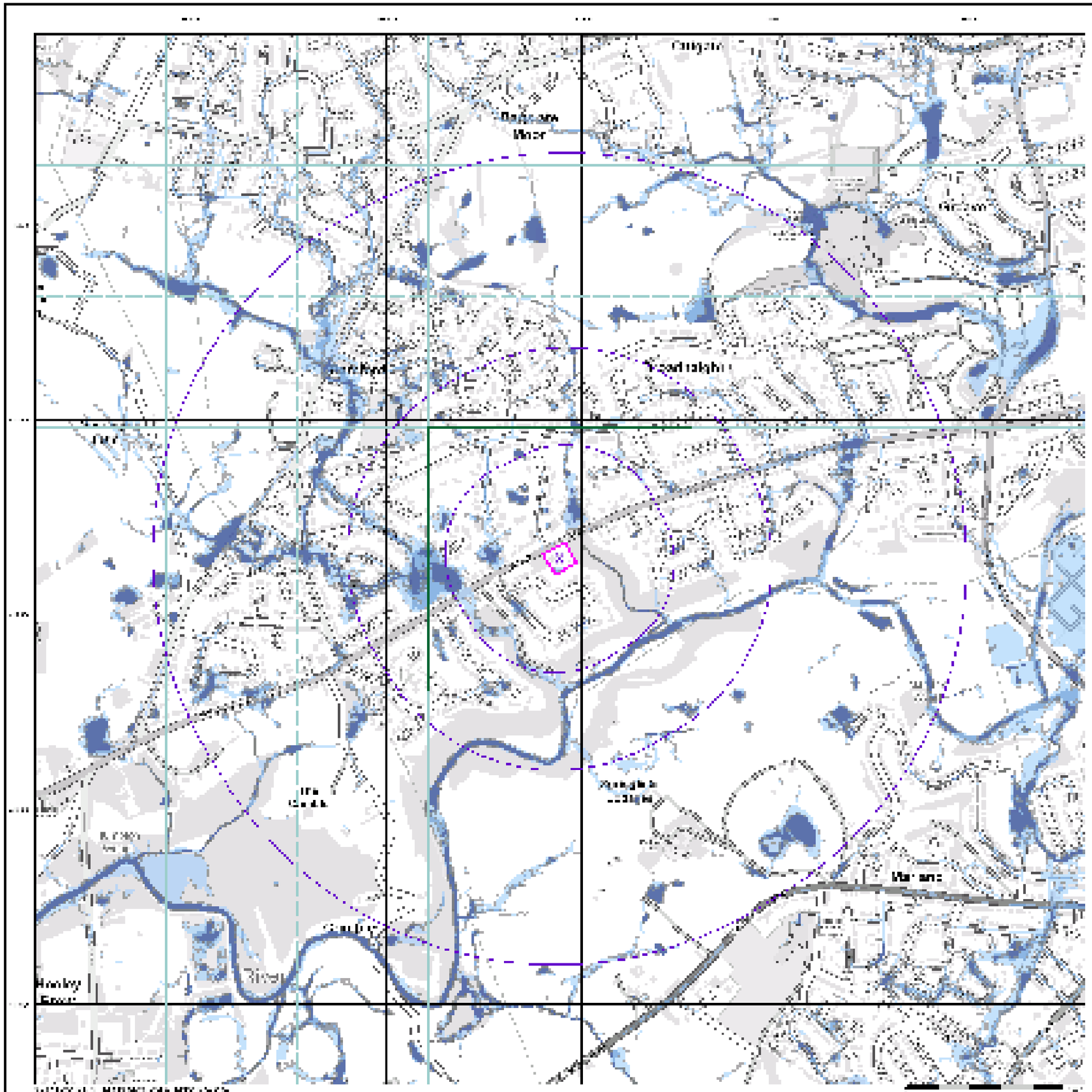

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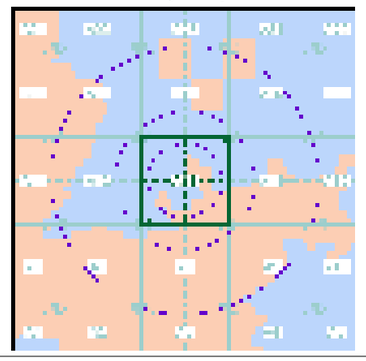
EA/NRW Suitability Map - Slice A



Order Details

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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
180405028_1_1

Customer Reference:
1250

National Grid Reference:
386940, 412640

Slice:
A

Site Area (Ha):
0.4

Search Buffer (m):
1000

Site Details:

Midge Hall, 687, Bury Road
ROCHDALE
OL11 4AU

Client Details:

Miss S Griggs
Build Vision Ltd
Suite 1, Westleigh House
Wakefield Road
Denby Dale
Huddersfield
West Yorkshire
HD8 8QJ

Envirocheck
LANDMARK INFORMATION GROUP

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Introduction

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

Report Version v53.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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Potential for Landslide Ground Stability Hazards	pg 33	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 33	Yes	Yes	n/a	n/a
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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	0	1	386900 412650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NW)	0	1	386944 412644
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	0	1	386950 412644
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	13	1	387000 412644
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	42	1	387000 412700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	50	1	386850 412644
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	54	1	386950 412550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	72	1	386850 412600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	98	1	386850 412550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	100	1	386800 412650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	102	1	386944 412500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	107	1	386900 412500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	155	1	386900 412450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	166	1	387000 412450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	202	1	386944 412400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	202	1	386950 412400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	202	1	386800 412450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	210	1	386750 412500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	213	1	387000 412400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	216	1	387100 412450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	227	1	386700 412550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	238	1	386750 412450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	242	1	386800 412400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	246	1	387150 412450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	251	1	387200 412500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	252	1	386700 412500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	259	1	387100 412400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	265	1	386850 412350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	278	1	387050 412350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	281	1	387200 412450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	285	1	387150 412400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	314	1	387300 412600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	321	1	387250 412450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	324	1	387300 412550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	339	1	386600 412500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	340	1	387300 412500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	344	1	387100 413000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	358	1	387000 412250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	363	1	387300 412450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (E)	372	1	387350 412550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	402	1	386944 412200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	402	1	386950 412200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (S)	403	1	386900 412200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	413	1	387400 412644

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	430	1	386500 412500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	452	1	386950 412150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	459	1	386850 412150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	465	1	386700 412200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	469	1	386900 413150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	471	1	386800 412150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	477	1	386450 412500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	495	1	386450 412450
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Chadwick Hall Lane W39, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01roc0087 Permit Version: 1 Effective Date: 13th May 1993 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Unknown Receiving Water: Unknown Outlet; Licence Status: Revoked **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A14SW (E)	624	2	387610 412590
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Norden/Bamford Outfall Sewer, Sso, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01ROC0159 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Not Supplied **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	634	2	387620 412590
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Norden/Bamford Outfall Sewer, Sso, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0159 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Not Supplied Receiving Water: Not Supplied **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	634	2	387620 412590

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chatwick Hall Sso, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982393 Permit Version: 1 Effective Date: 30th July 1993 Issued Date: Not Supplied Revocation Date: 30th July 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Roch **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A14NE (E)	713	2	387700 412650
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Oulder Hill Ps, Spotland, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982939 Permit Version: 1 Effective Date: 17th November 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Red Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	916	2	387690 413240
4	**Local Authority Pollution Prevention and Controls** Name: Bamford Dry Cleaners Location: Bamford Precinct, Norden Road, Rochdale, OL11 Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 117/09 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	A17SE (NW)	703	3	386394 413144
5	**Local Authority Pollution Prevention and Controls** Name: Star Service Station Location: 531 Bury Road, ROCHDALE, Lancashire, OL11 4DG Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 86/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A14NE (E)	960	3	387902 412929
	Nearest Surface Water Feature	A13NE (E)	39	-	387011 412666
6	**Pollution Incidents to Controlled Waters** Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Tributary River Roch Incident Date: 26th October 1994 Incident Reference: 94622355 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Wrong Connection Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	252	2	386700 412500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Pollution Incidents to Controlled Waters** Property Type: Agriculture: Stables Location: Riding Stables, Roach Valley Way, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Contaminated Material : Fire Fighting Run Off Note: Not Supplied Incident Date: 6th November 1999 Incident Reference: 33779 Catchment Area: Roch Receiving Water: River Stretch (Freshwater) Cause of Incident: Accident Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	396	2	387200 412300
8	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Tributary River Roch Incident Date: 22nd March 1995 Incident Reference: 95620585 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	404	2	386500 412600
9	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage Debris/Litter Note: River Roch; Crude Sewage Incident Date: 10th April 1995 Incident Reference: 95620775 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	517	2	387500 412700
10	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Foul Sewer Location: Hall Road , ROCHDALE Authority: Environment Agency, North West Region Pollutant: Surcharged Sewage Note: Tributary River Roch; Crude Sewage Incident Date: 9th March 1997 Incident Reference: 97620404 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	716	2	387700 412700
11	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; Oil Reported Incident Date: 7th November 1996 Incident Reference: 96622302 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	732	2	387700 412800
12	**Pollution Incidents to Controlled Waters** Property Type: Manufacturing: Textile Manufacture Location: Crimble Mill, Heywood, HEYWOOD, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Other Note: Not Supplied Incident Date: 15th November 1999 Incident Reference: 34052 Catchment Area: Roch Receiving Water: River Stretch (Freshwater) Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A8SW (S)	931	2	386700 411700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Roch GQA Grade: River Quality C Reach: Rochdale Stw To Irwell Estimated Distance (km): 15.2 Flow Rate: Flow less than 20 cumecs Flow Type: River Year: 2000	A8NE (SE)	359	2	387112 412290
	River Quality Name: Roch GQA Grade: River Quality C Reach: Stanney Bk To Rochdale Stw Estimated Distance (km): 4.5 Flow Rate: Flow less than 5 cumecs Flow Type: River Year: 2000	A14SE (E)	721	2	387684 412446
13	**Water Abstractions** Operator: Hubert Allen Licence Number: 2569002015 Permit Version: Not Supplied Location: Reservoir At Meadowcroft Mill, Bamford, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed Abstraction Type: Not Supplied Source: River Daily Rate (m3): 36 Yearly Rate (m3): 12729 Details: Licence 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	A13SW (SW)	168	2	386800 412500
14	**Water Abstractions** Operator: P & S Textiles Ltd. Licence Number: 2569002014 Permit Version: Not Supplied Location: Borehole, Meadowcroft Mill Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 86 Yearly Rate (m3): 20912 Details: Licence 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	A13SE (S)	213	2	387000 412400
15	**Water Abstractions** Operator: Rochdale Golf Club Ltd Licence Number: 2569002140 Permit Version: 100 Location: Borehole At Rochdale Golf Course At Norden, Rochdale Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 120 Yearly Rate (m3): 7272 Details: Rochdale Golf Club, Norden Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 18th November 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NW (N)	929	2	386800 413600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: K.Shaw & Company Ltd. Licence Number: 2569002037 Permit Version: 100 Location: Borehole At Premises, Crimble Mills,Heywood Authority: Environment Agency, North West Region Abstraction: Textiles & Leather: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 873 Yearly Rate (m3): 227304 Details: Crimble Mills, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NE (SW)	1091	2	386500 411600
	Water Abstractions Operator: K.Shaw & Company Ltd. Licence Number: 2569002037 Permit Version: 100 Location: Borehole At Premises, Crimble Mills,Heywood Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Crimble Mills, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NE (SW)	1091	2	386500 411600
	Water Abstractions Operator: Roe Acre Dyeing & Finishing Co Ltd Licence Number: 2569002028 Permit Version: Not Supplied Location: River Roch, Crimble Mills, HEYWOOD Authority: Environment Agency, North West Region Abstraction: Boiler Feed Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 55 Yearly Rate (m3): 18184 Details: Licence 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	A2NE (SW)	1094	2	386505 411595
	Water Abstractions Operator: James Swallow Ltd Licence Number: 2569002217 Permit Version: 100 Location: Borehole At Butterworth Fold Farm Bamford Rochdale Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 91 Yearly Rate (m3): 33186 Details: Butterworth Fold Farm, Bamford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SE (W)	1130	2	385800 412400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Roe Acre Dyeing & Felting Co Ltd Licence Number: 2569002270 Permit Version: 100 Location: River Roch At Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Crimble Mill, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th June 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3NW (S)	1145	2	386620 411500
	Water Abstractions Operator: Roe Acre Dyeing & Felting Co Ltd Licence Number: 2569002270 Permit Version: 100 Location: River Roch At Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Crimble Mill, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th June 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3NW (S)	1145	2	386620 411500
	Water Abstractions Operator: Roe Acre Dyeing & Finishing Co Ltd Licence Number: 2569002266 Permit Version: Not Supplied Location: Crimble Mill, Crimble Lane, HEYWOOD, Lancashire, OL10 4DJ Authority: Environment Agency, North West Region Abstraction: Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 455 Yearly Rate (m3): 118300 Details: Unnamed Tributary Of River Roch; Textiles; Type: Abstraction; Status: Current 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	A3NW (S)	1224	2	386700 411400
	Water Abstractions Operator: Mrs E E Mills Licence Number: 2569002183 Permit Version: 100 Location: Well At Moor Edge Farm, Bamford, Rochdale Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 7 Yearly Rate (m3): 2489 Details: Lower And Higher Jowkin Farms Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16SE (W)	1339	2	385605 412995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: W H S Blackborough Licence Number: 2569002180 Permit Version: 100 Location: Well At Moor Edge Farm, Bamford, Rochdale Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 5 Yearly Rate (m3): 1659 Details: Moor Edge Farm, Bamford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16SE (W)	1344	2	385600 412995
	Water Abstractions Operator: Quorum Estates Limited Licence Number: 2569002202 Permit Version: Not Supplied Location: Borehole, Cutgate, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing & Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 1091 Yearly Rate (m3): 0 Details: Additional Purposes: Cooling; Boiler feed; Licence 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	A23NE (N)	1511	2	387000 414195
	Water Abstractions Operator: Caldershaw Dyeing Co Ltd Licence Number: 2569002260 Permit Version: 100 Location: Borehole At Cut Lane, Rochdale Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 552 Yearly Rate (m3): 33120 Details: Land At Rooley Moor Road, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NE (N)	1525	2	386990 414210
	Water Abstractions Operator: Mutual Mills Ltd Licence Number: 2569002124 Permit Version: Not Supplied Location: Two Reservoirs & Millers Brook, HEYWOOD, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Drinking; Cooking; Sanitary; Washing For Industrial Premises Abstraction Type: Not Supplied Source: River Daily Rate (m3): 45 Yearly Rate (m3): 7274 Details: Additional Purpose: Domestic - industrial; Licence 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	A2SW (SW)	1582	2	386200 411200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Union Papertech Limited Licence Number: 2569002255 Permit Version: 102 Location: Naden Brook At Simpson Clough, Heywood Authority: Environment Agency, North West Region Abstraction: Paper And Printing: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Simpson Clough Mill, Heywood, Lancs. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1598	2	385360 412230
	Water Abstractions Operator: J R Crompton Ltd Licence Number: 2569002255 Permit Version: 101 Location: Naden Brook At Simpson Clough, Heywood Authority: Environment Agency, North West Region Abstraction: Paper And Printing: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Simpson Clough Mill, Heywood, Lancs. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th October 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1598	2	385360 412230
	Water Abstractions Operator: J R Crompton Ltd Licence Number: 2569002255 Permit Version: Not Supplied Location: Simpson Clough, HEYWOOD Authority: Environment Agency, North West Region Abstraction: Industrial: Paper Making Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 2728 Yearly Rate (m3): 954660 Details: Additional Purpose - Industrial Processing (Miscellaneous) 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	A11SW (W)	1608	2	385300 412500
	Water Abstractions Operator: Union Papertech Limited Licence Number: 2569002166 Permit Version: 101 Location: Cheesden Brook At Simpson Clough Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Simpson Clough, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SW (W)	1621	2	385300 412400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Union Papertech Limited Licence Number: 2569002166 Permit Version: 101 Location: Cheesden Brook At Simpson Clough Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Simpson Clough, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SW (W)	1621	2	385300 412400
	Water Abstractions Operator: J R Crompton Ltd Licence Number: 2569002166 Permit Version: 100 Location: Cheesden Brook At Simpson Clough Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 6219 Yearly Rate (m3): 2136620 Details: Premises At Simpson Clough, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st May 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SW (W)	1621	2	385300 412400
	Water Abstractions Operator: J R Crompton Ltd Licence Number: 2569002166 Permit Version: 100 Location: Cheesden Brook At Simpson Clough Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Simpson Clough, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st May 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11SW (W)	1621	2	385300 412400
	Water Abstractions Operator: Mutual Mills Ltd Licence Number: 2569002124 Permit Version: Not Supplied Location: Millers Brook, HEYWOOD, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Drinking; Cooking; Sanitary; Washing For Industrial Premises Abstraction Type: Not Supplied Source: River Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Additional Purpose: Domestic - industrial; Licence 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	A2SW (SW)	1684	2	386000 411200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: North West Water Ltd Licence Number: 2569002263 Permit Version: Not Supplied Location: Cheesden Brook, Simpson Clough, HEYWOOD Authority: Environment Agency, North West Region Abstraction: Not Supplied Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Licence Status: Cancelled 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)	1720	2	385200 412400
	Water Abstractions Operator: Rochdale M. B. C. Licence Number: 2569002235 Permit Version: Not Supplied Location: Naden Brook, HEYWOOD Authority: Environment Agency, North West Region Abstraction: Amenity Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 327 Yearly Rate (m3): 119469 Details: Licence 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	A16NW (NW)	1773	2	385400 413600
	Water Abstractions Operator: Quorum Estates Limited Licence Number: 2569002157 Permit Version: Not Supplied Location: Healey Hall Pit, Top Pit Shaft; Bankhouse Pit , & Caldershaw Borehole Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing & Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Additional Purposes: Cooling; Boiler feed; Licence 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	(N)	1826	2	387600 414395
	Water Abstractions Operator: Caldershaw Dyeing Co Ltd Licence Number: 2569002242 Permit Version: 100 Location: Borehole At Caldershaw Centre Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2300 Yearly Rate (m3): 841010 Details: Premises At Caldershaw Centre Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1830	2	387600 414400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Quorum Estates Limited Licence Number: 2569002171 Permit Version: Not Supplied Location: Caldershaw Lodge, Caldershaw Mills Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing & Cooling Abstraction Type: Not Supplied Source: Reservoir/Pond Daily Rate (m3): 7956 Yearly Rate (m3): 1363800 Details: Additional Purposes: Cooling; Boiler feed; Licence 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	(NE)	1863	2	387700 414395
	Water Abstractions Operator: Caldershaw Dyeing Co Ltd Licence Number: 2569002245 Permit Version: 100 Location: Caldershaw Lodge , Caldershaw Centrerochdale Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 2300 Yearly Rate (m3): 841010 Details: Premises At Caldershaw Centre Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(NE)	1868	2	387700 414400
	Water Abstractions Operator: Alexander Drew Ltd. Licence Number: 2569002050 Permit Version: 102 Location: Borehole At Premises, Spotland, Rochdale Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Bridgefold Road, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(NE)	1919	2	388700 413500
	Water Abstractions Operator: Alexander Drew Ltd Licence Number: 2569002050 Permit Version: 102 Location: Borehole At Premises Spotland Rochdale Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Bridgefold Road, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(NE)	1919	2	388700 413500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Alexander Drew & Sons Ltd Licence Number: 2569002050 Permit Version: 101 Location: Borehole At Premises, Spotland, Rochdale Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 682 Yearly Rate (m3): 136380 Details: At Bridgefold Road, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(NE)	1919	2	388700 413500
	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	A13NE (NW)	0	2	386944 412644
	Drift Deposits Drift Deposit: Low permeability drift deposits occuring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13SW (W)	0	2	386937 412643
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NW)	0	1	386944 412644
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (NW)	0	1	386944 412644
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (SW)	0	1	386934 412627
	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	A13SE (S)	228	2	387040 412400
	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	A13SE (S)	240	2	387045 412390
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
16	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 308.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (E)	39	4	387011 412666
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 132.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	177	4	386820 412466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	193	4	386826 412441
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 91.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	193	4	386826 412441
20	**OS Water Network Lines** Watercourse Form: Reservoir Watercourse Length: 46.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13SW (SW)	217	4	386772 412456
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	229	4	386722 412508
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13SW (SW)	232	4	386726 412497
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 92.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	252	4	387149 412441
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 52.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (S)	255	4	386857 412359
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 228.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13SE (SE)	259	4	387139 412424
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 496.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13SE (SE)	259	4	387151 412433

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (S)	268	4	386904 412336
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (S)	273	4	386922 412329
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 123.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13SE (S)	296	4	386966 412307
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	386	4	387054 412235
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 252.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (N)	387	4	386939 413071
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 63.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 2	A8NE (S)	413	4	386959 412189
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 44.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8NE (S)	413	4	386959 412189
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 618.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8NE (S)	455	4	386946 412147
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 159.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	562	4	387527 412792

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 345.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A14SW (E)	618	4	387604 412590
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	618	4	387604 412590
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	741	4	387373 413301
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 350.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8SW (S)	803	4	386659 411848
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	803	4	386659 411848
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 154.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (SE)	818	4	387731 412294
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	897	4	387858 412418
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 42.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	898	4	387572 413343
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 68.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A14SE (E)	903	4	387864 412419

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A14SE (E)	907	4	387862 412393
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	907	4	387861 412390
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A14SE (E)	911	4	387860 412375
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A14SE (E)	922	4	387869 412364
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 140.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	932	4	387654 413309
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 97.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A14SE (E)	942	4	387887 412355
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	953	4	387717 413264
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 69.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (SE)	964	4	387854 412211
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	977	4	387752 413257

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 88.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	981	4	387234 413627
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 350.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A9NE (E)	983	4	387897 412260
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	984	4	387415 413558
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	992	4	387770 413260
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	995	4	387775 413258
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 160.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	997	4	386140 411998

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Bury Road, Rochdale, Greater Manchester Name: Meadowcroft Mill Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15737 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: Not Supplied BGS Ref: Not Supplied Other Ref: D102	A13SE (SE)	243	2	387070 412399
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		0	3	386944 412644
61	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A13NW (NW)	108	-	386874 412763
62	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A13NW (N)	190	-	386887 412860
63	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A13NE (N)	229	-	386951 412914
64	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14SW (E)	304	-	387291 412631
65	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A13SE (SE)	352	-	387167 412331
66	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A18SW (NW)	362	-	386746 412983
67	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A13SE (SE)	382	-	387183 412307
68	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A18SW (NW)	486	-	386631 413061
69	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A8NE (S)	490	-	387003 412116
70	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A18SW (NW)	513	-	386653 413105
71	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A8NW (S)	527	-	386869 412078
72	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A7NE (SW)	580	-	386571 412148

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A19SW (NE)	629	-	387513 412986
74	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A19SW (NE)	635	-	387327 413204
75	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A7NE (SW)	658	-	386555 412063
76	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A7NE (SW)	727	-	386429 412078
77	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14NE (E)	776	-	387751 412773
78	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A18NE (N)	807	-	387247 413440
79	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A18NW (N)	893	-	386637 413517
80	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A13NW (NW)	137	-	386873 412795
81	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A13SW (W)	225	-	386680 412610
82	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13NW (NW)	226	-	386700 412761
83	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (W)	227	-	386682 412593
84	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A13SW (W)	278	-	386627 412605
85	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SE (W)	359	-	386552 412568
86	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A12SE (SW)	372	-	386572 412483
87	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A18SW (N)	387	-	386918 413070
88	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A12NE (W)	482	-	386430 412761
89	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A12NE (NW)	590	-	386403 412973
90	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A19SW (NE)	634	-	387309 413214
91	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A17SE (NW)	656	-	386398 413077

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A12NW (W)	695	-	386233 412848
93	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14NE (E)	730	-	387693 412823
94	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17SE (NW)	812	-	386288 413189
95	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17SE (NW)	881	-	386284 413285
96	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8SW (S)	890	-	386650 411758
97	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A17NE (NW)	915	-	386576 413514

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13NE (NW)	0	1	386944 412644
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NW)	0	1	386944 412644
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	0	1	386934 412627
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	136	1	387080 412750
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (W)	280	1	386621 412671
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (SE)	284	1	387128 412387
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	315	1	386944 413000

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: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	338	1	387192 412932
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SW (N)	347	1	386886 413024
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NE (S)	369	1	387018 412243
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18SE (NE)	369	1	387132 413012
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18SE (NE)	370	1	387155 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (NW)	371	1	386596 412868

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: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (SE)	383	1	387140 412279
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (SW)	383	1	386581 412444
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	430	1	386500 412500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (NE)	448	1	387279 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	453	1	387285 413002
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	455	1	387289 413000

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: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	461	1	386467 412500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (E)	513	1	387500 412644
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (E)	518	1	387500 412707
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (E)	534	1	387500 412485
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14NW (E)	556	1	387505 412837
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (E)	557	1	387500 412852

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: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	598	1	387461 413013
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	601	1	386319 412504
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	601	1	387473 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (S)	602	1	386944 412000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	602	1	386319 412500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	617	1	387500 412985

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: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NW (SW)	633	1	386635 412043
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SE (E)	638	1	387625 412608
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19SW (NE)	673	1	387500 413088
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NW (SW)	674	1	386629 412000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (SW)	684	1	386609 412000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NE (E)	690	1	387661 412787

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: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	721	1	386500 413256
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	739	1	387566 413109
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NW (W)	759	1	386164 412838
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A17NE (NW)	780	1	386603 413378
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	798	1	387500 413273
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NE (NW)	814	1	386500 413364

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: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A17NE (NW)	830	1	386500 413383
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NE (NW)	866	1	386413 413372
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NE (N)	868	1	387000 413553
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NW (N)	887	1	386679 413526
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NW (W)	900	1	386000 412644
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NE (NW)	903	1	386500 413465

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: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A17SW (NW)	951	1	386166 413260
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NE (NW)	956	1	386383 413459
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NE (NW)	956	1	386427 413486
98	**BGS Recorded Mineral Sites** Site Name: Meadow Croft Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 96508 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NE (N)	229	1	386947 412914
99	**BGS Recorded Mineral Sites** Site Name: Marland Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 96521 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	345	1	387165 412338
99	**BGS Recorded Mineral Sites** Site Name: Marland Sand Pit Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 96522 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	376	1	387182 412313

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	**BGS Recorded Mineral Sites** Site Name: Dixon Fold Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 96559 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	482	1	386632 413056
101	**BGS Recorded Mineral Sites** Site Name: Ping Wood Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 96520 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	511	1	386969 412092
102	**BGS Recorded Mineral Sites** Site Name: Keyon Fold Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 96519 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	582	1	386557 412158
103	**BGS Recorded Mineral Sites** Site Name: Bamford Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 96561 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	654	1	386546 412075
104	**BGS Recorded Mineral Sites** Site Name: Hill House Gravel Pit Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 96523 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Old Lawrence Rock Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14NE (E)	773	1	387747 412776
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (NW)	0	5	386944 412644

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	A13NE (NW)	0	-	386944 412644
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	386944 412644
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	230	1	387065 412411
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	386944 412644
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	230	1	387065 412411
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	386944 412644
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	386944 412644
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	144	1	387080 412523
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	186	1	387039 412446
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	194	1	387153 412533
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	194	1	387082 412463
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	209	1	387167 412528
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	221	1	387065 412423
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	386944 412644
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	1	1	386973 412660
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	230	1	387065 412411
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	386944 412644
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	138	1	387101 412556
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	176	1	387100 412794
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	208	1	387184 412566

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	221	1	387065 412423
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	386925 412644
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	386944 412644
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	386925 412644
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	386944 412644

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	**Contemporary Trade Directory Entries** Name: Rossendale Location: Bury Rd, Rochdale, Lancashire, OL11 4AU Classification: Coating Specialists **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13NE (E)	123	-	387095 412694
106	**Contemporary Trade Directory Entries** Name: Iron-It Location: 13, Camberley Drive, Rochdale, Lancashire, OL11 4AZ Classification: Ironing & Home Laundry Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (S)	134	-	386909 412470
107	**Contemporary Trade Directory Entries** Name: Citifax Ltd Location: Midge Hall Drive, Bamford, Rochdale, Lancashire, OL11 4AX Classification: Electronic Engineers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13NE (E)	262	-	387249 412654
107	**Contemporary Trade Directory Entries** Name: Signature Construction Development Location: 26, Midge Hall Drive, Rochdale, Lancashire, OL11 4AX Classification: Heating Equipment - Sales & Service **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	309	-	387297 412646
108	**Contemporary Trade Directory Entries** Name: The Roach Metal Spinning Company Location: Unit 6, Meadowcroft Mill, Bury Road, Rochdale, Lancashire, OL11 4AU Classification: Metal Spinners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (S)	263	-	386967 412341
108	**Contemporary Trade Directory Entries** Name: N Simpson & Son Location: Unit 4, Meadowcroft Mill, Bury Road, Rochdale, Lancashire, OL11 4AU Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	263	-	386967 412341
108	**Contemporary Trade Directory Entries** Name: Rossendale Engineering Co Ltd Location: Unit 6, Meadowcroft Mill, Bury Road, Rochdale, Lancashire, OL11 4AU Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	263	-	386967 412341
108	**Contemporary Trade Directory Entries** Name: Sheet Metal Products Location: Meadowcroft Mill, Bury Road, Rochdale, Lancashire, OL11 4AU Classification: Sheet Metal Work **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	263	-	386967 412341
108	**Contemporary Trade Directory Entries** Name: Class A Windows Location: Meadowcroft Mill, Bury Road, Rochdale, Lancashire, OL11 4AU Classification: Window Frames - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	263	-	386967 412341
108	**Contemporary Trade Directory Entries** Name: Lomax Reclamation Location: Unit 7, Meadowcroft Mill, Bury Road, Rochdale, OL11 4AU Classification: Reclamation Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (S)	263	-	386967 412341
108	**Contemporary Trade Directory Entries** Name: Urban Sofa Design Co Location: The Lodge,Meadwcroft Mill,Bamford, Rochdale, Lancashire, OL11 4AU Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (S)	264	-	386966 412340
109	**Contemporary Trade Directory Entries** Name: Safe Clean Location: Rochdale, Lancashire, Ol11 5ly Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	412	-	387251 412978

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	**Contemporary Trade Directory Entries** Name: Tim Howarth (Commercial) Ltd Location: 4, Greenwich Close, Rochdale, Lancashire, OL11 5JN Classification: Commercial Vehicle Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	440	-	386481 412789
111	**Contemporary Trade Directory Entries** Name: Cnms Location: 633, Bury Road, ROCHDALE, Lancashire, OL11 4DN Classification: Washing Machines - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	441	-	387383 412830
111	**Contemporary Trade Directory Entries** Name: Accumac Location: 629, Bury Road, ROCHDALE, Lancashire, OL11 4DN Classification: Laboratory Equipment, Instruments & Supplies **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	462	-	387403 412838
112	**Contemporary Trade Directory Entries** Name: Diagnostic Consultants Ltd Location: 6, Bowling Green Way, Rochdale, Lancashire, OL11 5QQ Classification: Radiographic Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	478	-	386606 413032
113	**Contemporary Trade Directory Entries** Name: Hilliers Recovery Location: Partridge cl, Rochdale, Lancashire, OL11 5SP Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	490	-	386863 413165
114	**Contemporary Trade Directory Entries** Name: Keep Clean Location: 27, Winston Avenue, Rochdale, OL11 5JA Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	532	-	386379 412550
115	**Contemporary Trade Directory Entries** Name: Plover Printing Location: 24, Plover Close, Rochdale, Lancashire, OL11 5PU Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	618	-	386584 413186
116	**Contemporary Trade Directory Entries** Name: Squash Designs Uk Location: 82, Norden Road, Rochdale, Lancashire, OL11 5PN Classification: Sportswear - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	679	-	386304 412981
117	**Contemporary Trade Directory Entries** Name: A & H-Executive Location: 21, South View, Rochdale, Lancashire, OL11 5HU Classification: Car Engine Tuning & Diagnostic Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	688	-	386213 412685
118	**Contemporary Trade Directory Entries** Name: Bamford Dry Cleaners Location: 5a, Bamford Precinct, Martlett Avenue, Rochdale, OL11 5QY Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	703	-	386394 413143
119	**Contemporary Trade Directory Entries** Name: Tesco Petrol Filling Station Location: Norden Rd, Rochdale, Lancashire, OL11 5PN Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	705	-	386226 412861
120	**Contemporary Trade Directory Entries** Name: Iron Maidens Of Bamford Location: 142, Norden Road, Rochdale, Lancashire, OL11 5PT Classification: Ironing & Home Laundry Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	747	-	386437 413241

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	**Contemporary Trade Directory Entries** Name: Johnson Cleaners Uk Ltd Location: 557, Bury Road, Rochdale, Lancashire, OL11 4DQ Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	814	-	387748 412925
121	**Contemporary Trade Directory Entries** Name: John Wheater Location: 2, Chadwick Hall Road, Rochdale, Lancashire, OL11 4DJ Classification: Pharmaceutical Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	814	-	387754 412906
122	**Contemporary Trade Directory Entries** Name: Taylors Location: 6, Yealand Close, Rochdale, Lancashire, OL11 4DL Classification: Catering Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	819	-	387789 412798
123	**Contemporary Trade Directory Entries** Name: Checksum Ltd Location: 53, Marland Fold, Rochdale, Lancashire, OL11 4RF Classification: Electronic Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	874	-	387737 412185
124	**Contemporary Trade Directory Entries** Name: C & J Fabrics Location: 11, Norford Way, Rochdale, Lancashire, OL11 5QS Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	881	-	386322 413321
125	**Contemporary Trade Directory Entries** Name: Bury Road Service Station Location: 531, Bury Road, Rochdale, OL11 4DG Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	960	-	387902 412929
125	**Contemporary Trade Directory Entries** Name: Texaco Location: 531, Bury Road, Rochdale, Lancashire, OL11 4DG Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	960	-	387902 412929
125	**Contemporary Trade Directory Entries** Name: Texaco Location: 531, Bury Road, Rochdale, Lancashire, OL11 4DG Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	960	-	387902 412929
126	**Contemporary Trade Directory Entries** Name: Marland Forge Location: Marland Fold, Rochdale, Lancashire, OL11 4RF Classification: Spring Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	999	-	387794 412044
127	**Fuel Station Entries** Name: Bury Road Service Station Location: 531, Bury Road , , Rochdale, Greater Manchester, OL11 4DG Brand: TEXACO Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A14NE (E)	960	-	387902 412929
128	**Points of Interest - Commercial Services** Name: Sheet Metal Products Location: Meadowcroft Mill, Bury Road, Rochdale, OL11 4AU Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A13SE (S)	263	6	386967 412341
128	**Points of Interest - Commercial Services** Name: Rochdale Metal Spinning Co Location: Unit 6 Meadowcroft Mill, Bury Road, Rochdale, OL11 4AU Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A13SE (S)	263	6	386967 412341

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	**Points of Interest - Commercial Services** Name: The Roach Spinning Company Location: Unit 6 Meadowcroft Mill, Bury Road, Rochdale, OL11 4AU Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A13SE (S)	263	6	386967 412341
128	**Points of Interest - Commercial Services** Name: Sheet Metal Products Location: Meadowcroft Mill, Bury Road, Rochdale, OL11 4AU Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A13SE (S)	263	6	386967 412341
129	**Points of Interest - Commercial Services** Name: Bury Road Service Station Location: 531 Bury Road, Rochdale, OL11 4DG Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NE (E)	960	6	387901 412928
129	**Points of Interest - Commercial Services** Name: Car Wash Location: 531 Bury Road, Rochdale, OL11 4DG Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NE (E)	960	6	387902 412929
130	**Points of Interest - Manufacturing and Production** Name: Tank Location: OL11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13SE (SE)	283	6	387240 412507
130	**Points of Interest - Manufacturing and Production** Name: Tanks Location: OL11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	288	6	387248 412512
130	**Points of Interest - Manufacturing and Production** Name: Tank Location: OL11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13SE (SE)	290	6	387249 412508
130	**Points of Interest - Manufacturing and Production** Name: Tank Location: OL11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13SE (SE)	297	6	387257 412510
131	**Points of Interest - Manufacturing and Production** Name: Tank Location: OL11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8NE (SE)	635	6	387244 412048
132	**Points of Interest - Manufacturing and Production** Name: Tank Location: OL11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A9NW (SE)	716	6	387480 412115
133	**Points of Interest - Manufacturing and Production** Name: F P Woodhead Location: Crimble Lane, Rochdale, OL11 4AB Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A7NE (SW)	776	6	386448 411996
134	**Points of Interest - Manufacturing and Production** Name: Tank Location: OL11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	977	6	386016 413071

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	**Points of Interest - Public Infrastructure** Name: Sewage Works (Disused) Location: OL11 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A13SW (SW)	211	6	386751 412496
136	**Points of Interest - Public Infrastructure** Name: Weir (Disused) Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	311	6	387262 412489
136	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	316	6	387261 412476
137	**Points of Interest - Public Infrastructure** Name: Old Filter Beds Location: OL11 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	553	6	387539 412671
137	**Points of Interest - Public Infrastructure** Name: Old Sludge Beds Location: OL11 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	625	6	387611 412683
138	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SW (SW)	713	6	386626 411958
138	**Points of Interest - Public Infrastructure** Name: Sluices Location: OL10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SW (SW)	724	6	386627 411946
139	**Points of Interest - Public Infrastructure** Name: Heywood Cemetery Location: OL11 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	726	6	386941 411876
139	**Points of Interest - Public Infrastructure** Name: Heywood Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	754	6	387023 411853
140	**Points of Interest - Public Infrastructure** Name: Sluice Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	881	6	387471 411898
141	**Points of Interest - Public Infrastructure** Name: Bury Road Service Station Location: 531 Bury Road, Rochdale, OL11 4DG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NE (E)	960	6	387901 412928
141	**Points of Interest - Public Infrastructure** Name: Texaco Location: 531 Bury Road, Rochdale, OL11 4DG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NE (E)	960	6	387902 412929

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	**Points of Interest - Public Infrastructure** Name: Bury Rd Sstn Location: Bury Road, Rochdale, Lancashire, OL11 4DG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NE (E)	960	6	387901 412928
141	**Points of Interest - Public Infrastructure** Name: Bury Road Service Station Location: 531 Bury Road, Rochdale, OL11 4DG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NE (E)	960	6	387902 412929
141	**Points of Interest - Public Infrastructure** Name: Texaco Location: 531 Bury Road, Rochdale, OL11 4DG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NE (E)	961	6	387902 412929
142	**Points of Interest - Recreational and Environmental** Name: Playground Location: Marland Green, OL11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9NW (SE)	788	6	387533 412065
142	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	797	6	387538 412058

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	**Ancient Woodland** Name: River Rock Wood Reference: 1105605 Area(m²): 40353.2 Type: Ancient and Semi-Natural Woodland	A13NE (E)	0	7	386974 412656
144	**Ancient Woodland** Name: Springfield Wood Reference: 1105606 Area(m²): 34952.61 Type: Ancient and Semi-Natural Woodland	A13SE (SE)	296	7	387114 412364
145	**Ancient Woodland** Name: Not Supplied Reference: 1415969 Area(m²): 30991.46 Type: Ancient and Semi-Natural Woodland	A8NW (S)	308	7	386941 412294
146	**Areas of Adopted Green Belt** Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan **Status: Adopted** Plan Date: 30th June 2006	A12SE (SW)	566	8	386439 412326

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Rossendale Borough Council - Environmental Health Department	November 2015	Annual Rolling Update
Bury Metropolitan Borough Council - Environmental Health Department	October 2013	Annual Rolling Update
Rochdale Metropolitan Borough Council - Environmental Health Department	October 2017	Annually
Oldham Metropolitan Borough Council - Environmental Health Department	September 2013	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	July 2018	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - North West Region	October 2008	Variable
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	July 2018	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Variable
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Variable
Rossendale Borough Council - Environmental Health Department	May 2016	Variable
Local Authority Pollution Prevention and Controls		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Annual Rolling Update
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Annual Rolling Update
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Annual Rolling Update
Rossendale Borough Council - Environmental Health Department	May 2016	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Variable
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Rossendale Borough Council - Environmental Health Department	May 2016	Variable
Oldham Metropolitan Borough Council - Environmental Health Department	September 2013	Variable
Nearest Surface Water Feature		
Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	March 2013	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	As notified
Registered Radioactive Substances		
Environment Agency - North West Region	January 2015	
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 West Region - Central Area	July 2018	Quarterly
Environment Agency - North West Region - North Area	July 2018	Quarterly
Environment Agency - North West Region - South Area	July 2018	Quarterly
Water Abstractions		
Environment Agency - North West Region	July 2018	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	October 2017	Quarterly

Data Currency

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	January 2018	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2018	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2018	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	May 2018	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	May 2018	Quarterly
Flood Defences Environment Agency - Head Office	May 2018	Quarterly
OS Water Network Lines Ordnance Survey	May 2018	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	July 2018	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - Central Area	July 2018	Quarterly
Environment Agency - North West Region - North Area	July 2018	Quarterly
Environment Agency - North West Region - South Area	July 2018	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - Central Area	July 2018	Quarterly
Environment Agency - North West Region - North Area	July 2018	Quarterly
Environment Agency - North West Region - South Area	July 2018	Quarterly
Local Authority Landfill Coverage		
Bury Metropolitan Borough Council	May 2000	Not Applicable
Lancashire County Council - Waste Management Group	May 2000	Not Applicable
Oldham Metropolitan Borough Council	May 2000	Not Applicable
Rochdale Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Rossendale Borough Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Bury Metropolitan Borough Council	May 2000	Not Applicable
Lancashire County Council - Waste Management Group	May 2000	Not Applicable
Oldham Metropolitan Borough Council	May 2000	Not Applicable
Rochdale Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Rossendale Borough Council - Environmental Health Department	May 2000	Not Applicable
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites		
Environment Agency - North West Region - Central Area	March 2003	Not Applicable
Environment Agency - North West Region - North Area	March 2003	Not Applicable
Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - Central Area	March 2003	Not Applicable
Environment Agency - North West Region - North Area	March 2003	Not Applicable
Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - Central Area	March 2003	Not Applicable
Environment Agency - North West Region - North Area	March 2003	Not Applicable
Environment Agency - North West Region - South Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Bury Metropolitan Borough Council	February 2016	Variable
Lancashire County Council	February 2016	Variable
Oldham Metropolitan Borough Council	February 2016	Variable
Rochdale Metropolitan Borough Council	February 2016	Variable
Rossendale Borough Council - Planning Department	February 2016	Variable
Planning Hazardous Substance Consents		
Bury Metropolitan Borough Council	February 2016	Variable
Lancashire County Council	February 2016	Variable
Oldham Metropolitan Borough Council	February 2016	Variable
Rochdale Metropolitan Borough Council	February 2016	Variable
Rossendale Borough Council - Planning Department	February 2016	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2018	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	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	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	As notified
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	As notified

Data Currency

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	May 2018	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2018	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	June 2018	Quarterly
Points of Interest - Education and Health PointX	June 2018	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2018	Quarterly
Points of Interest - Public Infrastructure PointX	June 2018	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2018	Quarterly
Underground Electrical Cables National Grid	December 2015	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt		
Bury Metropolitan Borough Council	August 2018	As notified
Oldham Metropolitan Borough Council	August 2018	As notified
Rochdale Metropolitan Borough Council	August 2018	As notified
Rossendale Borough Council - Planning Department	August 2018	As notified
Areas of Unadopted Green Belt		
Bury Metropolitan Borough Council	August 2018	As notified
Oldham Metropolitan Borough Council	August 2018	As notified
Rochdale Metropolitan Borough Council	August 2018	As notified
Rossendale Borough Council - Planning Department	August 2018	As notified
Areas of Outstanding Natural Beauty		
Natural England	August 2018	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	August 2018	Bi-Annually
Marine Nature Reserves		
Natural England	January 2018	Bi-Annually
National Nature Reserves		
Natural England	August 2018	Bi-Annually
National Parks		
Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones		
Environment Agency - Head Office	December 2017	Bi-Annually
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	
Ramsar Sites		
Natural England	August 2018	Bi-Annually
Sites of Special Scientific Interest		
Natural England	February 2018	Bi-Annually
Special Areas of Conservation		
Natural England	August 2018	Bi-Annually
Special Protection Areas		
Natural England	August 2018	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	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	ARUP
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Rochdale Metropolitan Borough Council - Environmental Health Department** P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH	Telephone: 01706 864139 Fax: 01706 864185 Website: www.rochdale.gov.uk
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**The Coal Authority - Property Searches** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
6	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	**Rochdale Metropolitan Borough Council** PO Box 15, Town Hall, Rochdale, Greater Manchester, OL16 1AB	Telephone: 01706 647474 Fax: 01706 59475 Website: www.rochdale.gov.uk
9	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

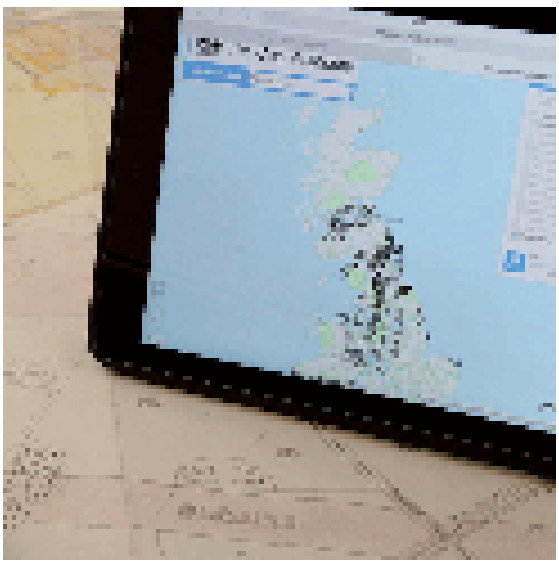
The Coal Authority

Reducing the impacts of mining

CON29M Non-Residential Mining Report







687 MIDGE HALL
BURY ROAD
ROCHDALE
OL11 4AU

Date of enquiry:	05 July 2018
Date enquiry received:	05 July 2018
Issue date:	05 July 2018
Our reference:	61002123114001
Your reference:	27307/305/ja/slc

CON29M Non-Residential Mining Report

This report is based on, and limited to, the records held by the Coal Authority, at the time we answer the search.

Client name

SearchFlow Limited

Enquiry address

687 MIDGE HALL, BURY ROAD, ROCHDALE, OL11 4AU



Approximate position of property

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How to contact us

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200 Lichfield Lane
Mansfield
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NG18 4RG

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/thecoalauthority
/coalauthority

Summary

Has the search report highlighted evidence or potential of		
1	Past underground coal mining	Yes
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	Yes
5	Coal mining geology	No
6	Past opencast coal mining	No
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	No
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	No
13	Working facilities order	No
14	Payments to owners of former copyhold land	No

For detailed findings, please go to page 4.

Detailed findings

1. Past underground coal mining

The property is not within a surface area that could be affected by recorded past underground mining.

However 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. Please refer to the Comments section of this report for further information.

2. Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3. Future underground coal mining

The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

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

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

4. Mine entries

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

There may however be mine entries/additional mine entries in the local area which the Coal Authority has no knowledge of.

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

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

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

8. Future opencast coal mining
There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

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.

9. Coal mining subsidence
The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31st October 1994.

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

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

10. Mine gas
The Coal Authority has no record of a mine gas emission requiring action.

11. 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.

12. Withdrawal of support
The property is not in an area where a notice to withdraw support has been given.

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

13. Working facilities order
The property is not in an area where 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.

14. Payments to owners of former copyhold land

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

Comments on the Coal Authority information

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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.

Additional remarks

Information provided by the Coal Authority in this report is compiled in response to the Law Society's Con29M Coal Mining enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL. This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority's Terms and Conditions applicable at the time the report was produced.

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Alternative formats

If you would like this report in an alternative format, please contact our communications team.

Enquiry boundary

Key

Approximate position of enquiry boundary shown



How to contact us

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+44 (0)1623 637 000 (International)

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Mansfield
Nottinghamshire
NG18 4RG

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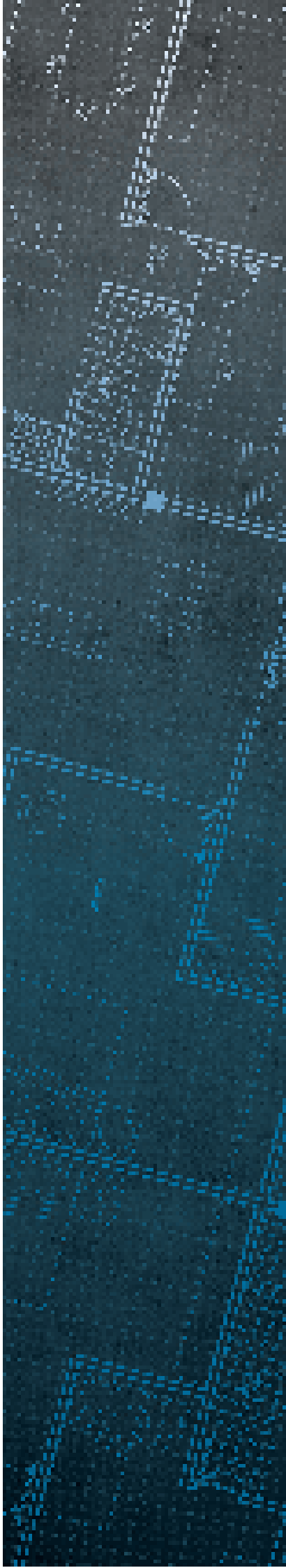
The Coal Authority

Consultants

Coal Mining Report

687 Bury Road
Rochdale
OL11 4AU

Date of enquiry:	**19 September 2018**
Date enquiry received:	**19 September 2018**
Issue date:	**19 September 2018**
Our reference:	**51001936601001**
Your reference:	**1250**



Consultants

Coal Mining Report

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

Client name

BUILD VISION LTD

Enquiry address

687 Bury Road
Rochdale
OL11 4AU



Approximate position of property

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NG18 4RG

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/thecoalauthority
/thecoalauthority

Section 1 – Mining activity and geology

Past underground mining
No past mining recorded.

Probable unrecorded shallow workings
Yes.

Spine roadways at shallow depth
No spine roadway recorded at shallow depth.

Mine entries
None recorded within 100 metres of the enquiry boundary.

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

16820	PO0	

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

Outcrops
No outcrops recorded.

Geological faults, fissures and breaklines
No faults, fissures or breaklines recorded.

Opencast mines
None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips
None recorded within 500 metres of the enquiry boundary.

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Section 2 – Investigative or remedial activity

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

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31st October 1994.

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

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

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

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Section 3 – Licensing and future mining activity

Future underground mining
None recorded.

Coal mining licensing
None recorded within 200 metres of the enquiry boundary.

Court orders
None recorded.

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

Withdrawal of support notices
The property is not in an area where a notice to withdraw support has been given.

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

Payments to owners of former copyhold land
The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

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Section 4 – Further information

Based on the responses in this report, no further information has been highlighted.

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Section 5 – Data definitions

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

Past underground coal mining

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

Probable unrecorded shallow workings

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

Spine roadways at shallow depth

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

Mine entries

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

Abandoned mine plan catalogue numbers

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

Outcrops

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

Geological faults, fissures and breaklines

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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VAT receipt

Issued by	The Coal Authority 200 Lichfield Lane Mansfield Nottinghamshire NG18 4RG
Tax point date	19 September 2018
Issued to	BUILD VISION LTD WESTLEIGH HOUSE WAKEFIELD ROAD DENBY DALE HUDDERSFIELD KIRKLEES HD8 8QJ
Property search for	687 BURY ROAD ROCHDALE OL11 4AU
Reference number	51001936601001
Date of issue	19 September 2018
Cost	£106.79
VAT @ 20%	£21.36
Total received	£128.15
VAT registration	598 5850 68

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Summary of findings

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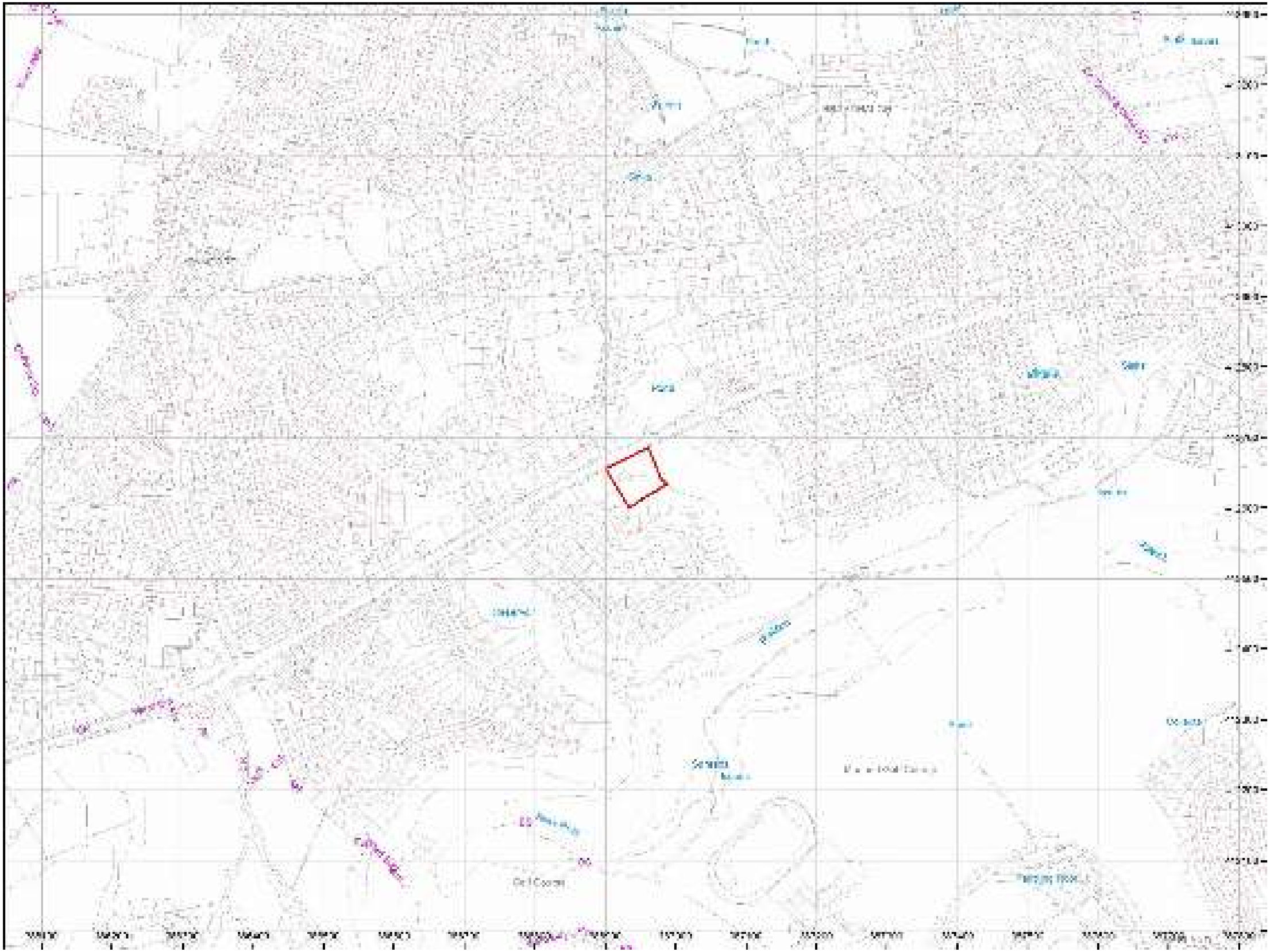
The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

Approximate position of the enquiry boundary shown



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