

BURY EMERGENCY DEPARTMENT, FAIRFIELD HOSPITAL, BURY

PHASE 1 PRELIMINARY RISK ASSESSMENT AND PRELIMINARY COAL MINING RISK ASSESSMENT

Curtins Ref: 086745-CUR-XX-XX-T-GE-00002

Revision: P01
Issue Date: 16 June 2025

Client Name: Ridge and Partners LLP

Client Address: 7 Brewery Place, Brewery Wharf, Leeds, LS10 1NE

Site Address: Fairfield General Hospital, Rochdale Old Road, Bury, BL9 7TD

Curtins
Merchant Exchange
17-19 Whitworth Street West
Manchester, M1 5WG
Tel: 0161 236 2394
www.curtins.com

Rev	Description	Issued by	Checked	Date
P01	First Issue	JL	RA	16 June 2025

This report has been prepared for the sole benefit, use, and information for the client. The liability of Curtins Consulting Limited with respect to the information contained in the report will not extend to any third party.

Author	Signature	Date
L Woods BSc (Hons) MSc GradCIWEM Geo-Environmental Engineer		16 June 2025

Reviewed	Signature	Date
J Lord BSc (Hons) MSc Senior Geo-Environmental Engineer		16 June 2025

Authorised	Signature	Date
R Allen BSc (Hons) MSc FGS MCIWEM C.WEM CEng Associate		16 June 2025

EXECUTIVE SUMMARY

Appointment	Curtins were instructed by Ridge and Partners LLP to undertake a Phase 1 Preliminary Risk Assessment and Preliminary Coal Mining Risk Assessment (PRA/CMRA) at Bury Emergency Department, Fairfield General Hospital, Rochdale Old Road, Bury, BL9 7TD. The site is centred on 383210, 411620 and covers an area of approximately 0.03 Ha. It is understood that development proposals include the construction of a single-storey extension to the existing building.
Current Site Status	The site is currently comprised of a section of the Fairfield General Hospital complex, with an emergency vehicles parking area and soft landscaping. A small brick wall with metal railing in the north-west of site, along with gravel and concrete paving slabs on the west and southern site boundary. A metal storage cupboard is present on the western site boundary along with a streetlamp. The topography of the site generally slopes upwards towards the east within the soft landscaping and emergency vehicles parking area.
Site History	In earliest mapping from 1851 the site comprised entirely of agricultural land, with a field boundary crossing the west of the site from north-west to south-east. In mapping from 1890, the Bury Union Workhouse appeared on site (constructed in 1857). By 1929, this was renamed the Public Assistance Institution, and later the Fairfield General Hospital in 1956. By 1992, the section of the Fairfield General Hospital on site was demolished, and by 1999 reconfiguration and construction of a new hospital building was constructed, with a section of carparking area on site. In early mapping, the immediate surrounding area comprised predominantly agricultural land, with Rochdale Old Road located 75m north with residential properties beyond. By 1890, the immediate surrounding area comprised the Bury Union Workhouse, with burial grounds and Infectious Diseases Hospital located between 100m – 200m west of the site. By 1910, the Bury Union Workhouse was extended 50m – 140m to the south east, and was labelled as a Hospital by 1930. 255m north-west of the site was Smethurst Hall Brick Works, and 180m north-west was an associated Clay Pit. Water Tanks and Towers were located 95m east of the site, and an additional rectangular building constructed 50m north of the site. By 1984, the Brick Works was replaced by residential housing, with the clay pit appearing infilled. By 1992, a section of the building located 2m – 45m west of the site was demolished and replaced by a new building.
Geology	BGS mapping indicates the site is underlain with Glacial Till (superficial) and Woodhead Hill Rock and the Pennine Lower Coal Measures Formation (bedrock). The site is in a lower probability radon area where <1% of homes are estimated to be at or above the radon Action Level.
Non-Coal Mining	There is 1 No. disused Fireclay mine shaft located 98m south-west of the site, which was located in June 1982 and proved to be 24m deep. The closest BGS recorded non-coal mineral site was 'Smethurst Hall Brickworks' located 189m north-west of the site where clay and shale was extracted. Based on the forgoing commentary the likelihood of encountering relic non-coal mining features on-site is unlikely and, therefore, the risk to the proposed development of non-coal mining features is Low.
Coal Mining Risk Assessment	The Pennine Lower Coal Measures are recorded to underly the site. The Mining Remediation Authority records indicate the site is within a Development High Risk Area, due to the presence of a disused mine entry within the north-western site boundary. A historic BGS recorded borehole from 1923 noted "Waste Ground" (Old Coal Workings) between 23.62m – 24.84m bgl located approximately 110m north-east of the site. No mine gas has been recorded within 500m of the site boundary according to the Mining Remediation Authority Consultants Mining Report. A review of Mining Remediation Authority guidance "Coal seams with a history of spontaneous combustion" published in 2015 indicates that seams may have a history of spontaneous combustion where roof coal has been left in place. The risk associated with deep mine workings (shafts) is considered to be Moderate, as there is a disused mine shaft located within the north-western site boundary. The Mining Remediation Authority notes that this was capped during construction of the hospital in c. 1995, with the cap located in August 2023. It is recommended that an intrusive ground investigation is undertaken including probing and grouting of the mine entry. The risk associated with deep (>30m bgl) and shallow (<30m bgl) mine workings, is considered to be Low, as there is no past underground coal mining recorded beneath the site or within the immediate surrounding area. There is potential for release of mine gas emissions sourced from unrecorded worked coal seams beneath the site during future drilling or construction. Although no named coal seams beneath the site have a history of spontaneous combustion, spontaneous combustion may occur where roof coal is left in place.
Hydrogeology	The site is underlain by a Secondary A Aquifer associated with the bedrock formations, and a Secondary Undifferentiated Aquifer associated with the superficial deposits.

	The site is not located within a Source Protection Zone (SPZ). There are no potable groundwater abstractions located within 500m of the site.
	The nearest surface water features are man-made fishing ponds located 259m east of the site, and the River Roch located 335m south of the site, oriented west – east. The closest surface water abstraction point is noted 695m north of the site. There are no active discharge consents within 250m of the site. 2 No. pollution incidents have been recorded within 250m of the site.
Hydrology	
Landfill and Pollution	There is 1 No. BGS recorded landfill site located 130m north-west of the site. The closest Historical Landfill site was located 119m north-west of the site. There are no operational licensed waste management facilities located within 500m of the site. The closest active Local Authority Pollution Prevention and Control Permits is 438m north-east of the site.
Unexploded Ordnance (UXO)	The site is recorded as being in a Low risk UXO area. No ruins are recorded on post-war mapping; however, anecdotal evidence suggests a bomb fell within the Fairfield Hospital Grounds in 1940 and caused “relatively little damage or injury”. Further to this, there was the demolition of the old Workhouse buildings and construction of a new Fairfield General Hospital buildings in the 1990s, limiting the potential of encountering UXO during the Curtins ground investigation. Therefore, the likelihood of encountering UXO on site as part of the Curtins ground investigation works is low based on the available information and the risk is assessed as Low. For below ground demolition or construction work the principal contractor should carry out their own UXO risk assessments with specific consideration of their scope of works.
Initial Ground Contamination Assessment	The risk from Made Ground posed to the site's end-users is considered to be Moderate/Low. Development proposals include the construction of a single storey extension, with hardstanding therefore removing the direct contact pathway. Accounting for the use of PPE and sanitary facilities during ground and construction works, the risk posed to construction and maintenance workers is Moderate/Low. The risk posed to groundwater and surface water is considered to be Low. The risk posed to site end-users from ground generating gases arising from organic / putrescible soils (Made Ground) is considered to be Moderate / Low.
Ground Engineering Considerations	Ground stability hazards (collapsible ground, compressible ground, ground dissolution, landslide, running sand or shrinking/swelling clay) on site are recorded as Very Low to No Hazard. This should be confirmed by site reconnaissance and ground investigation. There may be subsurface obstructions, voids and relic foundations associated with historical buildings.
Recommendations	The following recommendations are made: • Undertake an intrusive ground investigation to collect chemical and geotechnical samples to inform human health risk assessment and geotechnical assessment. • Install monitoring wells to allow for monitoring sub-surface conditions, including ground gas and groundwater monitoring. • Undertake a GQRA as part of the ground investigation to determine contaminated land risks. • Undertake an investigation into the the mine shaft cap, including an understanding of the cap and possible shaft grouting. Grouting of the disused mine shaft should it be deemed necessary

CONTENTS

1 Introduction	1
1.1 Project Background	1
1.2 Scope of Services	1
2 Current Site and Surrounding Area Details	2
2.1 Current Site Status	2
2.2 Surrounding Area Details	3
3 Site History	4
4 Geology, Hydrogeology and Hydrology	5
4.1 Geology and Hydrogeology	5
4.1.1 Coal Mining	7
4.1.2 Non-Coal Mining	7
4.1.3 Other Ground Stability Issues	7
4.1.4 Radon Ground Gas	8
4.2 Hydrology	8
4.3 Landfill and Pollution	8
5 Preliminary Unexploded Ordnance Risk Assessment	9
5.1 Preliminary UXO Assessment	9
6 Coal Mining Risk Assessment	10
6.1 References	10
6.2 Geological Setting	10
6.3 Borehole Records	10
6.4 Mining Remediation Authority Records	12
6.4.1 Outcrops and Past Underground Coal Mining	13
6.4.2 Mine Entries	13
6.4.3 Abandonment Plans	13
6.4.4 Remediated Sites	14
6.4.5 Mine Gas	14
6.4.6 Coal Mining Subsidence	14
6.5 Historical Records	14
6.6 CMRA Conclusions and Recommendations	15
7 Conceptual Site Model & Qualitative Risk Assessment	16
7.1 Additional Risk Assessments	16
8 Conclusion and Recommendations	18
8.1 Outline Scope of Works for Ground Investigation	18

Outline Scope of Works for Coal Mining Features	18
8.2 Contaminants of Concern	19
8.3 Other Considerations	19
9 References	20
10 Appendices	21

FIGURES

Figure 1 – Site Location Plan, site boundary shown in pink, 250m buffer in purple.	2
Figure 2 – SD81SW1 Borehole Log Section	6
Figure 3 – Mining Remediation Authority Map Extracts	7
Figure 4 - BGS Geological Mapping extract, 1:50,000 Manchester (2010) Sheet 085	10
Figure 5 – SD81SW1 Borehole Log Section	11
<i>Figure 6 – Mining Remediation Authority Recorded Development High Risk Area (Left) Highlighted in Black Hatching. Mining Remediation Authority Recorded Mine Entries (right) Highlighted by Red X. Approximate Site Boundary in Red.</i>	12
<i>Figure 7 – Mining Remediation Authority Recorded Mine Entry Potential Zone of Influence in Brown.</i>	12
Figure 8 - Extract of Mining Remediation Authority Consultants Coal Mining Report	13

TABLES

Table 1 – Site Details	2
Table 2 – Surrounding Area	3
Table 3 – Previous Site and Surrounding Area Uses and Potential Sources of Contamination	4
Table 4 – Geological / Hydrogeological Succession	5
Table 5 – BGS Borehole Records	6
Table 6 – Ground Stability Hazards for the site.	8
Table 7 - Location and strata details of relevant borehole nearby.	11
Table 8 – Mine Entries Recorded by the Mining Remediation Authority	13
Table 9 - Summary of Mining Risks	15

APPENDICES

Appendix A – Drawings
Appendix B – Envirocheck Report
Appendix C – Mining Remediation Authority Report and Correspondence
Appendix D – Qualitative Risk Assessment Rationale

1 INTRODUCTION

1.1 Project Background

Curtins were instructed by Ridge and Partners LLP to undertake a Phase 1 Preliminary Risk Assessment and Preliminary Coal Mining Risk Assessment (PRA/CMRA) at Bury Emergency Department, Fairfield General Hospital, Rochdale Old Road, Bury, BL9 7TD.

It is understood that development proposals include the construction of a single storey extension to the existing building.

1.2 Scope of Services

The Phase 1 PRA/CMRA is intended to provide an overview of the geo-environmental and geo-technical setting of the site with consideration of the proposed extension.

These works are undertaken in general accordance with the LCRM: Stage 1 risk assessment (Ref. 1). Through this overview the Phase 1 aims to develop both a working conceptual and ground model for the site, as well as present an initial assessment of any risks that could be presented to the development including its intended end users and the wider environment.

Specifically, the Phase 1 provides an initial assessment of the site regarding:

- a) Potential contamination of the site strata by historical and or current use;
- b) The potential impact on the wider environment by historical and or current use of the site of interest;
- c) The potential impact from surrounding land uses and other environmental factors;
- d) Potential problems associated with geological features such as faulting, mineral extraction, mining, with particular consideration of coal mining legacy, and land instability;
- e) The location of apparent sub-surface structures that may affect the proposed development; and
- f) The location of above-surface features that may affect the proposed development.

Consideration of detailed flood risk, ecology and archaeological issues are outside of the scope of this report.

2 CURRENT SITE AND SURROUNDING AREA DETAILS

2.1 Current Site Status

Site use, location and description are shown below in *Table 1* and *Figure 1*.

Table 1 – Site Details

Site Address	Bury Emergency Department, Fairfield General Hospital, Rochdale Old Road, Bury, BL9 7TD
NGR	383210, 411620
Area of Site	Approximately 0.03 Ha.
Current Site Use and Description	The site is currently comprised of a section of the Fairfield General Hospital complex, with an “Emergency Vehicles” parking area and soft landscaping.
	A small brick wall with metal railing is located in the north-west of the site, along with gravel and concrete paving slabs on the west and southern site boundary.
	A metal storage cupboard with rolling shutters is located along the western boundary, with a streetlamp located within the west.
	The topography of site generally slopes upwards towards the east within the soft landscaping and emergency vehicles parking area.

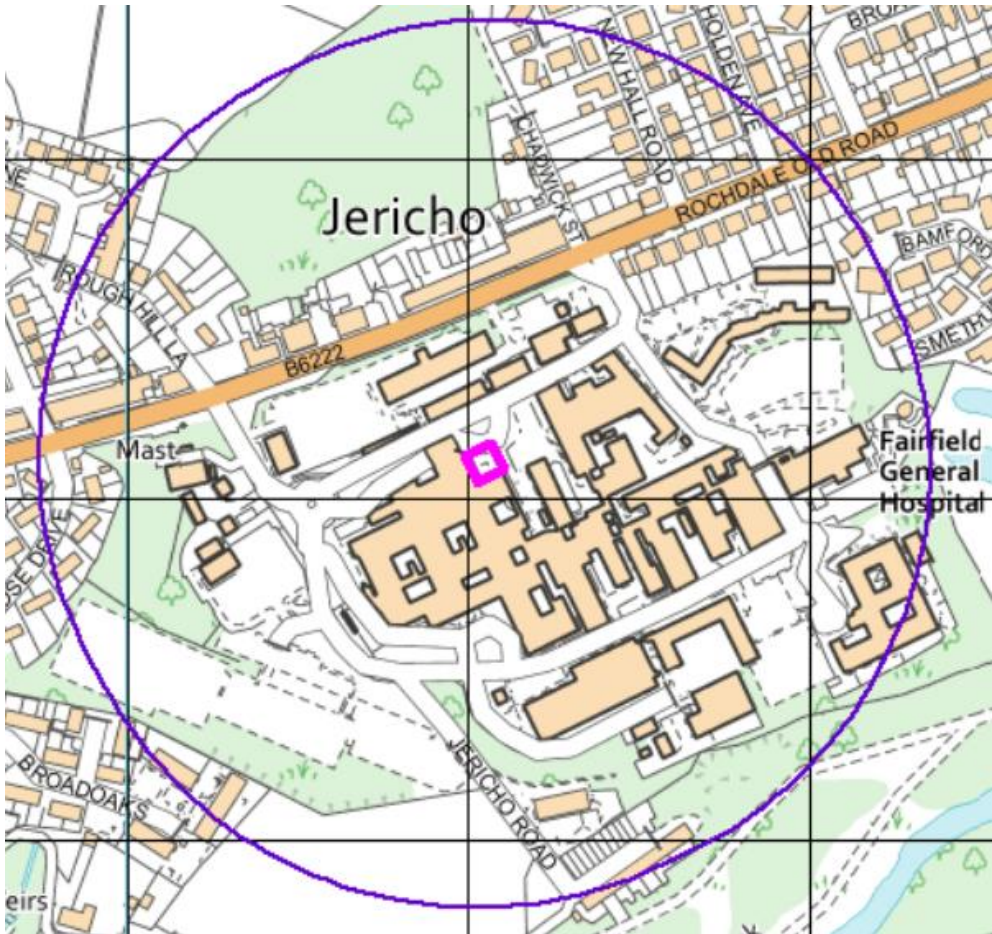


Figure 1 – Site Location Plan, site boundary shown in pink, 250m buffer in purple.

2.2 Surrounding Area Details

The following information was also established through undertaking an environmental database search (Envirocheck report (Ref. 2) included in *Appendix B*).

Table 2 – Surrounding Area

Surrounding Area	N	Access road within Fairfield General Hospital with carparking and the Occupational Speech & Language Therapy Departments building.
	E	Soft landscaping and carparking with Fairfield General Hospital buildings beyond.
	S	Fairfield General Hospital buildings.
	W	Fairfield General Hospital Accident & Emergency Department.

3 SITE HISTORY

A review of the available historical mapping and other information for the site, as presented within the Envirocheck report (Ref. 2) has been undertaken and is presented in Table 3 below. Bold text indicates within the site boundary.

Table 3 – Previous Site and Surrounding Area Uses and Potential Sources of Contamination

Date	Description	Potential Sources of Contamination
1851 – 1910	In earliest mapping (1851) the site is comprised entirely of agricultural land, with a field boundary crossing the west of the site from north-west to south-east. In mapping from 1890, the Bury Union Workhouse (constructed in 1857, Ref. 7) appeared on site. The immediate surrounding area in earliest mapping comprises predominantly agricultural land, with a road (Rochdale Old Road) located 75m and residential properties 90m north of the site. By 1890, the immediate surrounding area comprised the Bury Union Workhouse, with burial ground and Infectious Diseases Hospital located between 100m – 200m west of the site.	• Potential for uncontrolled deposition of Made Ground during construction of the Bury Union Workhouse on site. • Potential for uncontrolled deposition of Made Ground during construction of the Bury Union Workhouse immediately off-site.
	There is little to no significant changes on site. By 1929, the Bury Union Workhouse was renamed the Public Assistance Institution (Bury Corporation). By 1956, this was renamed the Fairfield General Hospital. By 1910, the Bury Union Workhouse was extended 50m to 140m to the south-east., and by 1929 – 1930, this extension was labelled as a Hospital. In 1910, a Brick Works (Smethurst Hall Brick Works) with associated "Shaft" was constructed 255m north-west of the site, with a clay pit located 180m north-west of the site. By 1929 – 1930, an additional rectangular building was constructed 50m north of the site, with a Water Tower and Tanks located 95m east. Anecdotal evidence (Ref. 9) suggests that at the start of WWII (1940) the Workhouse was used as a 'Decontamination Centre' and in the same year, a bomb fell within the grounds which caused "relatively little damage or injury".	
1910 – 1967		• Little to no sources of contamination.
1967 – 2025	By 1992, the section of the Fairfield General Hospital on site was demolished. By 1999, the configuration of the hospital had changed, with a carparking area constructed on site. By 1984, the Brick Works to the north-west had been replaced by residential housing and the clay pit appears infilled. By 1992, the section of building located 2m – 45m west of the site was demolished and replaced with a new building. Aerial photographs from 1999 showing a construction excavation located between 35m – 100m west of the site, and by 2003 a new section of the Fairfield General Hospital was constructed.	• Potential for uncontrolled deposition of Made Ground during demolition of the old Workhouse building on site. • Potential for hydrocarbon contamination from fuel spills in the car parking area. • Potential for uncontrolled deposition of Made Ground during demolition of sections of the old Workhouse building immediately off-site.

Potential sources of on-site contamination are further discussed in *Section 7.0*.

086745-CUR-XX-XX-T-GE-00002 Rev. P01

Phase 1 Preliminary Risk Assessment and Preliminary Coal Mining Risk Assessment

Bury Emergency Department, Fairfield Hospital, Bury

Copyright © 2025 Curtins Consulting Ltd

4 GEOLOGY, HYDROGEOLOGY AND HYDROLOGY

4.1 Geology and Hydrogeology

A study of the Envirocheck records (Ref. 2), British Geological Survey (BGS) 1:50,000 mapping records (Bedrock and Superficial Editions) for Manchester (Sheet 085) (Ref. 4 & 5) and BGS GeoIndex (Ref. 6) indicates the following geological and hydrogeological succession underlying the site:

Table 4 – Geological / Hydrogeological Succession

Geology	Associated Hydrogeological Classification
BGS Mapping Records do not indicate the presence of Made Ground beneath the site, but due to the site history Made Ground is anticipated.	N/A
Glacial Till ¹	Secondary Undifferentiated Aquifer ³
Woodhead Hill Rock ²	Secondary A Aquifer ⁵
Pennine Lower Coal Measures Formation ³	

Notes:

1. A heterogenous mixture of clay, sand, gravel, and boulders varying widely in size and shape.
2. Sandstone.
3. Interbedded grey mudstone, siltstone and pale grey sandstone, commonly with mudstones containing marine fossils in the lower part, and more numerous and thicker coal seams in the upper part.
4. Secondary undifferentiated aquifers are aquifers where it is not possible to apply either a Secondary A or B definition because of the variable characteristics of the rock type, these aquifers have only a minor value.
5. Secondary A aquifers comprise permeable layers that can support local water supplies and may form an important source of base flow to rivers.

Made Ground is not recorded on BGS records, it is likely that Made Ground will be present at the site due to the sites history.

There are no BGS recorded fault lines located beneath the site. There are 2 No. fault lines in close proximity to the site, located approximately 145m south-west of the site, striking north-west to south-east, downthrow to the south-west away from site and approximately 190m north-east of the site striking north-south, downthrow to the east away from site.

The site is recorded to be above a High Vulnerability Secondary Undifferentiated Aquifer associated with the superficial deposits. The bedrock deposits are associated with a productive Secondary A Aquifer associated with the bedrock. There are no groundwater abstractions within 500m of the site, the closest is located 781m south of the site operated by Access Utilities Limited relating to Process Water: Chemicals.

The site is not recorded within a Source Protection Zone (SPZ). The closest potable groundwater abstraction is located 817m north-east of the site at Lower Tack Lea Farm, Bury for General Agriculture and Private Water Supply (Domestic) use.

There are no available BGS borehole records located on site. There are several within 150m of the site, including 7 No. confidential records located 3m – 50m south-west of the site. Details of 1 No. nearby available record is presented in Table 5.

Table 5 – BGS Borehole Records

Record Number	Location	Details (Depth to top of strata (m bgl), Description and Thickness)
SD81SW1	Approx. 110m north-east ("Jericho Workhouse") 383280, 411710	Ground Level approximately 146m AOD.
		0.00m Clay and stones (0.91m)
		0.91m Broken red sandstone (3.66m)
		4.57m Blue shale (7.62m)
		12.19m Fireclay (4.57m)
		16.76m Broken blue shale (1.22m)
		17.98m Fireclay (5.64m)
		23.62m Waste Ground (Old Coal Workings) (1.22m)
		24.84m Grey sandstone (15.39m)
		40.23m Blue shale (0.23m)
		40.46m Grey mudstone (0.99m)
		41.45m Blue Shale (0.76m)
		42.21m Grey Sandstone (8.38m)
		50.59m Blue and grey shale (12.50m)
		63.09m Broken grey sandstone (0.76m)
		63.85m Blue shale (3.81m)
		67.66m Grey sandstone (1.83m)
		69.49m Blue shale with hard bands (22.27m)
		Borehole completed at 91.76m bgl (approximately 54.24m AOD).
		The same borehole records show the following borehole section.
O.D.:- About 480 feet. CHISEL BORER. Surface 60' 120' 180' 240' Fireclay: Borer - Probably Grey mudstone. Position of Six Inch Mine. Fireclay: Borer - Probably grey slickensided mudstone. with ironstone nodules. SAND ROCK MINE. ROUGH ROCK UPPER HASLINGDEN FLAGS. Yields 1800 gals. p.h. Risk level quartz originally about 100 ft now 100-150 ft. Note by Mr. E.H. Thom March 1926		

Figure 2 – SD81SW1 Borehole Log Section

Figure 2 – SD81SW1 Borehole Log Section

086745-CUR-XX-XX-T-GE-00002 Rev. P01

Phase 1 Preliminary Risk Assessment and Preliminary Coal Mining Risk Assessment

Bury Emergency Department, Fairfield Hospital, Bury

Copyright © 2025 Curtins Consulting Ltd

Evidence of coal mine workings (Waste Ground) was encountered 110m north-east of the site between 23.62m and 24.84m bgl.

4.1.1 Coal Mining

The Mining Remediation Authority's online interactive map (Ref. 7) for the area indicates that the site is located within a Development High Risk Area, due to being located in proximity to a mine entry. This area is highlighted in Figure 3.



*Figure 3 – Mining Remediation Authority Map Extracts
Mining Remediation Authority Recorded Development High Risk Area (left) Highlighted in Black Hatching.
Mining Remediation Authority Recorded Mine Entries (right) Highlighted by Red X.
Approximate Site Boundary in Blue.*

There is 1 No. coal mine entries located within 100m of the site. 1 No. disused coal mine shaft is located immediately north of the site.

To further assess the risk associated with the mine entry in close proximity to site, a Preliminary Coal Mining Risk Assessment, using available Mining Remediation Authority Records and open source information is presented in Section 7.0.

4.1.2 Non-Coal Mining

There is 1 No. disused Fireclay mine shaft located approximately 98m south-west of the site. The Mining Remediation Authority's Consultants Coal Mining Report (Ref. X) confirms that this shaft was located in June 1982 and was proved to be 24m deep. Since it is known that no coal seams exist this close to the surface it was concluded that this shaft was not sunk for the purposes of coal mining, therefore the Mining Remediation Authority holds no knowledge of what treatment (if any) was afforded to this shaft.

The Envirocheck Report (Ref. 2) confirms that the closest BGS recorded (non-coal) mineral site was 'Smethurst Hall Brickworks' located 189m north-west of the site at Duckworth Fold, Bury where common clay and shale was extracted.

Following a review of historic mapping records and based on the distance to the nearest non-coal mine entry and recorded non-coal mining mineral site, it is considered that the likelihood of encountering relic non-coal mining features on-site is unlikely and, therefore risks to the proposed development from non-coal mining features is **Low**.

4.1.3 Other Ground Stability Issues

The Envirocheck Report confirms the following in relation to potential geotechnical hazards highlighted in Table 6 below:

Table 6 – Ground Stability Hazards for the site.

Ground Stability Hazard	Hazard Potential On-site	Hazard Potential Off-site
Collapsible Ground	Very Low	N/A
Compressible Ground	No Hazard	N/A
Ground Dissolution (Soluble Rocks)	No Hazard	N/A
Landslide	Very Low	Moderate (220m south-east) – Very Low
Running Sand	Very Low	No Hazard
Shrinking or Swelling Clay	Very Low	No Hazard

It should be noted that a moderate risk of landslide ground is noted 220m south-east of the site, this is likely to be associated with the sloping ground towards the River Roch located approximately 320m south-east of the site.

Intrusive ground investigation works will confirm the nature of the ground conditions at the subject site.

4.1.4 Radon Ground Gas

The Envirocheck report (Ref. 2) indicates that the site is located within a lower probability radon area (less than 1% of homes are estimated to be at or above the radon action level). No radon protection measures are likely to be required.

Should the new development include construction of a basement the advice of a specialist radon assessor must be obtained.

4.2 Hydrology

The Envirocheck Report (Ref. 2) indicates that the closest surface water feature is located 259m east of the site, a series of 5 large man-made fishing ponds (present on mapping since 2013).

There have been 2 No. pollution incidents recorded within 250m of the site, the closest recorded 214m south-east of the site at Fairfield Hospital which was classified as a Category 3 – Minor Incident where crude sewage entered a tributary to the River Roch due to ineffective pumping in 1997.

There are no surface water abstractions within 250m of the site. The closest recorded surface water abstraction point is located 695m north of the site operated by Wills Fabric Ltd for boiler feed.

There are no active discharge consents within 250m of the site.

4.3 Landfill and Pollution

The Envirocheck Report (Ref. 2) indicates that there is 1 No. BGS recorded landfill site located within 250m of the site, located 130m north-west at Roughill Lane, Jericho, Bury.

The closest Historical Landfill Site was located 119m north-west of the site in Jericho, Bury where deposited waste of "Liquid Sludge" included industrial, commercial and household waste with the last input in 1975.

There are no operational licensed waste management facilities located within 500m of the site. The closest waste management facility was 428m south of the site, the Prettywood West Extension Landfill Site where non-biodegradable wastes were deposited. This license has since been revoked.

The closest Local Authority Pollution Prevention and Control Permit is located 438m north-east of the site at Save Service Station (Petrol Station), 602-621 Rochdale Old Road.

The Envirocheck Report (Ref. 2) records 3 No. areas of potentially infilled land within 250m of the site, the closest is located 116m north-west of the site relating to unknown filled ground (pit, quarry etc) this is likely the Smethurst Hall Brick Works Clay Pit referred to in *Section 3.0*.

086745-CUR-XX-XX-T-GE-00002 Rev. P01

Phase 1 Preliminary Risk Assessment and Preliminary Coal Mining Risk Assessment

Bury Emergency Department, Fairfield Hospital, Bury

Copyright © 2025 Curtins Consulting Ltd

5 PRELIMINARY UNEXPLODED ORDNANCE RISK ASSESSMENT

Military activities including those conducted as part of both the First and Second World Wars have resulted in a legacy of unexploded ordnance (UXO) being present within the shallow soils of the UK.

UXO result from various sources including both allied (military training) and German (bombing raids) with a guide figure of approximately 10% of all munitions failing to function as designed.

An assessment of the likelihood of being UXO encountered has been undertaken to advise any intrusive ground investigation in the event that this is undertaken by Curtins. This risk is influenced by a number of factors including the proximity to strategic targets, the nature of the works being undertaken and evidence of local damage in the post-war periods amongst others. In order to determine the likelihood of UXO being present on a site, a stepwise risk assessment process is followed. This process is outlined within CIRIA C681 Unexploded Ordnance: A Guide for the Construction Industry (Ref. 10).

5.1 Preliminary UXO Assessment

It should be noted that the following assessment will only be applicable to future works with respect to ground investigation works completed by Curtins only. This includes trial pitting and boreholes to determine the nature of the ground conditions for geo-environmental and geotechnical information. Where the client is looking to determine the risk from UXO throughout the entire enabling works and construction phase of the below ground level development, the principal contractor appointed for the enabling and construction works must obtain their own Detailed UXO Risk Assessment Report to advise their specific works, where deemed to be required by the Principal Contractor.

The risk presented by Unexploded Ordnance, identified using preliminary Unexploded Bomb (UXB) risk maps retrieved from Zetica UXO (Ref. 11), indicates that the site is situated in a designated **Low**-Risk area in respect to the potential presence of UXB as a result of World War Two bombing.

The Envirocheck Report historical mapping (Ref. 2) does not indicate any ruins surrounding the site in post war mapping. Anecdotal evidence (Ref. 9) suggests that a bomb fell within the Fairfield Hospital Grounds in 1940 and caused "relatively little damage or injury". Further to this, there was demolition of the old Workhouse buildings and construction of a new Fairfield General Hospital building in the 1990s, limiting the potential of encountering UXO during the Curtins ground investigation.

Based on the forgoing commentary, the likelihood of encountering UXO on site as part of the Curtins intrusive ground investigation works is **Low** and therefore has not been considered further.

For below ground demolition or construction works the principal contractor should carry out their own UXO risk assessments with specific consideration of their scope of works.

If unexploded ordnance is discovered, stop immediately, prevent access to the area, and inform the police. If the site boundary or location changes then the UXO risk should be reassessed.

6 COAL MINING RISK ASSESSMENT

6.1 References

The information presented within the Coal Mining Risk Assessment has been prepared with reference to the following information sources:

- British Geological Society (BGS) Bedrock (2010) 1:50,000 mapping, Sheet No. 085 (Manchester) (Ref. 4).
- British Geological Society (BGS) Bedrock and Superficial (2011) 1:50,000 mapping, Sheet No. 085 (Manchester) (Ref. 5).
- BGS Borehole Records (opensource website) (Ref. 6).
- Mining Remediation Authority Interactive Mapping (Opensource website) (Ref. 7).
- Mining Remediation Authority Coal Mining Consultants Report Document Ref. 51003492710001 (Appendix C) (Ref. 3).

6.2 Geological Setting

A summary of the geological setting for the proposed development site is presented in *Section 4.0*.

An extract from BGS Mapping for the area is presented in Figure 3 below.

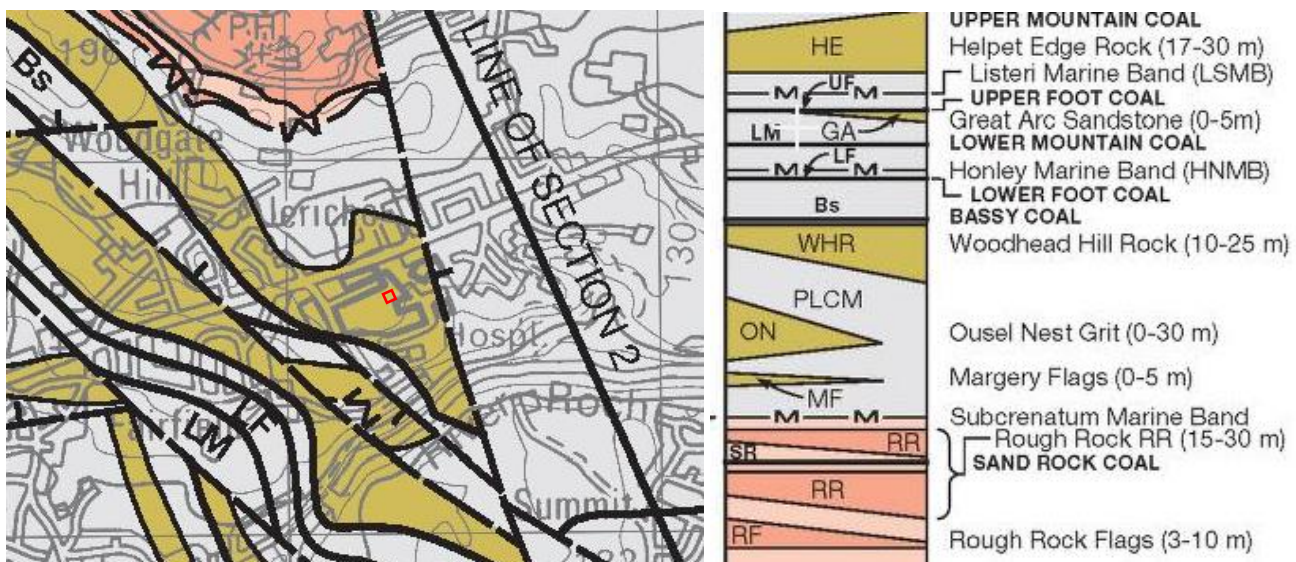


Figure 4 - BGS Geological Mapping extract, 1:50,000 Manchester (2010) Sheet 085
Extract from stratigraphic column relating to rocks underlying the site included on the right hand side.
(Box = approximate site location).

The Pennine Lower Coal Measures are recorded beneath the site. No coal seam outcrops, faults, fissures or break lines are recorded in the Mining Remediation Authority report (Ref. 7).

Given the geological context, the Sand Rock Coal has the potential to be present beneath the site at depths of approximately ~30m taking into account the distance and dip of the strata.

6.3 Borehole Records

A review of British Geological Survey (BGS) online opensource borehole records notes one borehole undertaken within close proximity to the site which progresses into the bedrock strata. The details of this borehole record is given in Table 7.

Table 7 - Location and strata details of relevant borehole nearby.

Record Number	Location	Details (Depth to top of strata (m bgl), Description and Thickness)
SD81SW1	Approx. 110m north-east ("Jericho Workhouse") 383280, 411710	Ground Level approximately 146m AOD.
		0.00m Clay and stones (0.91m)
		0.91m Broken red sandstone (3.66m)
		4.57m Blue shale (7.62m)
		12.19m Fireclay (4.57m)
		16.76m Broken blue shale (1.22m)
		17.98m Fireclay (5.64m)
		23.62m Waste Ground (Old Coal Workings) (1.22m)
		24.84m Grey sandstone (15.39m)
		40.23m Blue shale (0.23m)
		40.46m Grey mudstone (0.99m)
		41.45m Blue Shale (0.76m)
		42.21m Grey Sandstone (8.38m)
		50.59m Blue and grey shale (12.50m)
		63.09m Broken grey sandstone (0.76m)
		63.85m Blue shale (3.81m)
		67.66m Grey sandstone (1.83m)
		69.49m Blue shale with hard bands (22.27m)
		Borehole completed at 91.76m bgl (approximately 54.24m AOD).
		The same borehole records show the following borehole section.
O.D.:- About 480 feet. CHISEL BORER.		

Figure 5 – SD81SW1 Borehole Log Section

Figure 5 – SD81SW1 Borehole Log Section

This borehole record indicates superficial deposits indicative of Glacial Till from ground level to 0.91m bgl, with deposits indicative of weathered bedrock encountered at 0.91m bgl (broken red sandstone).

Evidence of shallow coal mine workings were encountered in the form of “Waste Ground” encountered between 23.62m and 24.84m bgl.

6.4 Mining Remediation Authority Records

Mining records held by The Mining Remediation Authority have been obtained and reviewed as detailed below.

The Mining Remediation Authority interactive mapping (Ref. 7) indicates the site is located within a coal mining reporting area, with a mine shaft located in close proximity to site, and that the site is within a Development High Risk Area due to being within a Mine Entry Potential Zone of Influence, as illustrated in Figures 6 and 7.



Figure 6 – Mining Remediation Authority Recorded Development High Risk Area (Left) Highlighted in Black Hatching. Mining Remediation Authority Recorded Mine Entries (right) Highlighted by Red X. Approximate Site Boundary in Red.



Figure 7 – Mining Remediation Authority Recorded Mine Entry Potential Zone of Influence in Brown.

A Mining Remediation Authority Consultants Mining Report was procured (Ref. 3) (Included within *Appendix C*). The findings are summarised below.

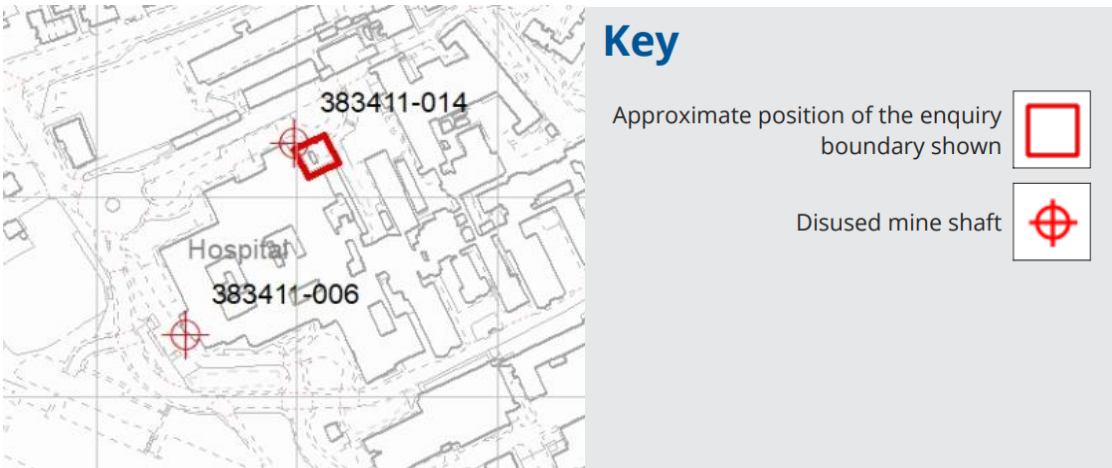


Figure 8 - Extract of Mining Remediation Authority Consultants Coal Mining Report (Ref. 51003488596001) (Box = approximate site location).

The Mining Remediation Authority Report (Ref. 3) and Figure 8 identifies a disused mine shaft located within the north-western site boundary, the Mining Remediation Authority note that this mine entry was capped during construction of the Hospital in ~1995, and the cap was located in August 2023.

Mining Remediation Authority mapping does not indicate the presence of.

No Recorded Workings or Probable Unrecorded Shallow Workings are noted within the Mining Remediation Authority Consultants Coal Mining Report, correlating with their interactive mapping.

6.4.1 Outcrops and Past Underground Coal Mining

No outcrops are recorded beneath the site or within the surrounding area.

No past underground coal mining is recorded onsite.

6.4.2 Mine Entries

There are 2 No. mine entries recorded within 100m of the site boundary, detailed within Table 8 below.

Table 8 – Mine Entries Recorded by the Mining Remediation Authority

Entry Type	Reference	Grid Reference and Location	Treatment Description	Mineral
Shaft	383411-006	383145, 411531 100m southwest	This shaft was located in June 1982 and was proved to be 24m deep. Since it is known that no coal seams exist this close to the surface it was concluded that the shaft was not sunk for the purposes of coal mining. The shaft is therefore not in the ownership of the Coal Authority. We have no knowledge of what treatment if any was afforded to this shaft.	Fireclay
Shaft	383411-014	383199, 411627 Adjacent to NW site boundary	Mine entry capped during construction of hospital circa 1995. Cap located August 2023.	Coal

The Mining Remediation Authority was contacted and asked to provide any further information pertaining to the disused mine shaft located within the site boundary (Ref. 383411-014), they hold no further information other than that in Table 8.

6.4.3 Abandonment Plans

The proposed development site lies within areas covered by the Mining Remediation Authority Abandoned Mines Plans. The proposed development site intersects the following records:

- OM10323
- OM4684
- OM7086
- OM8648
- 16820

Following conversations with the Mining Remediation Authority, none of these maps show records of Mine Shaft ref. 383411-014.

6.4.4 Remediated Sites

The Mining Remediation Authority has no recorded remediation works relating to coal mining within 50m of the site boundary.

6.4.5 Mine Gas

No mine gas has been recorded within 500m of the site boundary according to the Mining Remediation Authority Consultants Mining Report.

A review of Mining Remediation Authority guidance “Coal seams with a history of spontaneous combustion” published in 2015 indicates that seams may have a history of spontaneous combustion where roof coal has been left in place.

6.4.6 Coal Mining Subsidence

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

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

The Mining Remediation 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.

6.5 Historical Records

The following information has been provided in context to the construction of the existing Fairfield Hospital Building, referred to:

- Bury Health Care NHS Trust Letter (October 2025) Mineshaft, Fairfield General Hospital, Bury (ref FDB/EL)

A letter was written to the Coal Authority by Bury Health Care Trust (1995) which notes that an unrecorded mine shaft was encountered during the earthworks for the construction of the existing hospital. A circular feature was identified with 2m diameter, lined in masonry.

The Coal Authorities response is included which states that the onus for treatment of mine entries on development sites is with the developer.

6.6 CMRA Conclusions and Recommendations

The Coal Mining Risk Assessment has been prepared with reference to the proposed development of site, understood to consist of a single-storey extension to the existing building.

The site is identified to lie within a Development High Risk Area an assessment of available data suggests that this is because of a disused mine entry in close proximity to the site (north-western site boundary). A summary of the mining risks pertaining to the development site is summarised in Table 9.

Table 9 - Summary of Mining Risks

Scenario	Hazard Rating	Likelihood	Risk	Comments	Proposed Action
Deep Mining (Shafts)	Medium	Likely	Moderate	Review of the Mining Remediation Authority Interactive Map and Consultants Mining Report indicates the presence of a disused mine shaft in close proximity to the site (north-western site boundary). The shaft was encountered during the construction of the existing Fairfield Hospital. An unrecorded mine shaft was encountered during the earthworks for the construction of the existing hospital. A circular feature was identified with 2m diameter, lined in masonry. The Mining Remediation Authority notes that this mine entry was capped during construction of the Hospital in c. 1995, with the cap located in August 2023. A historic BGS recorded borehole from 1923 noted "Waste Ground" (Old Coal Workings) between 23.62m – 24.84m bgl located approximately 110m north-east of the site.	Probing to determine the depth and the state of any backfill of the treated disused mine shaft along with grouting of the feature to prevent any possible future collapse of the mine entry. No build zones to be implemented to ensure developments are not constructed within the potential collapse zone of the shaft.
Deep Mining (Voids, broken ground)	Medium	Unlikely	Low	There is no past underground coal mining recorded beneath the site, or within the immediate surrounding area within the Mining Remediation Authorities Consultants Coal Mining Report. Historic BGS recorded borehole from 1923 noted "Waste Ground" (Old Coal Workings) between 23.62m – 24.84m bgl located approximately 110m north-east of the site. Taking into account the depth of workings and distance from site, the works are considered too deep with sufficient rock cover based on seam thickness.	No further action required.
Shallow Mining (Voids, broken ground)	Medium	Unlikely	Low	There is no past underground coal mining recorded beneath the site, or within the immediate surrounding area within the Mining Remediation Authorities Consultants Coal Mining Report. Historic BGS recorded borehole from 1923 noted "Waste Ground" (Old Coal Workings) between 23.62m – 24.84m bgl located approximately 110m north-east of the site. Taking into account the depth of workings and distance from site, the works are considered too deep with sufficient rock cover based on seam thickness.	No further action required.
Mine Gases	Medium	Low Likelihood	Moderate/Low	The Mining Remediation Authority Consultants Mining Report did not suggest the presence of mine gases on-site. Potential for mine gas emissions from the disused mine shaft to be released during probing, or future construction.	Ground Investigation should include ground gas monitoring. Water flush during drilling to mitigate against mine release and migration of mine gas emissions.
Spontaneous Combustion	Severe	Low Likelihood	Moderate	Although no named nearby coal seams have a history of spontaneous combustion, spontaneous combustion may occur where roof coal is left in place.	During ground investigation, mine gas monitoring to be undertaken and water flush to be used to mitigate potential risks associated with spontaneous combustion.

7 CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT

The conceptual site model (CSM) and Qualitative Risk Assessment (QRA) are presented in the table presented in this section.

The CSM details the source-pathway-receptor linkages or potential pollutant linkages (PPL) that have been identified for the site. The QRA details the associated level of risk relating to these potential pollutant linkages.

The CSM and QRA concern risk to human health and water environment with additional, more specific risk assessment protocols contained within the main body of this reporting, as detailed in *Section 7.1* below.

The QRA follows the framework outlined within CIRIA C552 which is summarised within *Appendix D*.

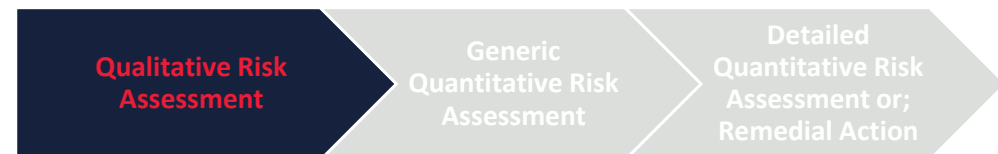
The 'risk rating' within the QRA refers to the risk that the source, pathway, receptor linkage or PPL is complete. Unless specifically stated it does not necessarily refer to an immediate risk and is intended to be used as a tool to assess the necessity for further assessment/investigation.

7.1 Additional Risk Assessments

The following risk assessments, listed below, are not included within the main CSM and QRA but none-the-less can be of critical importance to the onward development of the site.

- The risk presented by Mining is discussed and assessed in *Section 4.1.1*, *4.1.2* and *Section 6.0*.
- The risk presented by Radon is discussed and assessed in *Section 4.1.4*.
- The risk presented by Unexploded Ordnance is discussed and assessed in *Section 5.1*.

Under current health and safety legislation, employers are required to carry out their own appropriate risk assessments and mitigation to protect themselves and their employees, other human receptors, and the environment from potential contamination. Such risks must be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations (2015) (Ref. 12) which require that potential risks to human health and the environment from construction activities are appropriately identified and all necessary steps taken to eliminate / manage that risk. It has been assumed that any future construction works on site will be undertaken in compliance with these requirements.



- The table below represents the first stage in the land quality risk assessment process: The Qualitative Risk Assessment.
- For a development site to be deemed 'suitable for use', the level of risk needs to be brought down to acceptable levels, i.e. low to negligible risk. The purpose of each stage of risk assessment is ultimately to establish, if there is a requirement for additional levels of assessment to be made to have sufficient confidence to support a risk characterisation or management decision, e.g. remedial action.
- In the absence of specific site data, a Generic Quantitative Risk Assessment is invariably recommended.

Conceptual Site Model			Qualitative Risk Assessment			Recommended Actions
Source	Pathway(s)	Receptor(s)	Consequence	Likelihood of Occurrence	Risk Rating	
On-Site Sources of Potential Contamination: • Made Ground of unknown composition from uncontrolled deposition of materials onsite during the construction and demolition of the Bury Union Workhouse and subsequent Fairfield General Hospital. • Historical (now demolished) buildings were constructed and maintained during a period when asbestos containing materials may have been used and may be encountered in Made Ground soils. • Potential for hydrocarbon contamination from fuel spills in the carparking area. Off-site Sources of Potential Contamination: • Made Ground of unknown composition from uncontrolled deposition of materials onsite during the construction and demolition of the Bury Union Workhouse and subsequent Fairfield General Hospital.	Direct contact, ingestion, inhalation (dust and vapours)	End user of site	Medium <i>Chronic health risk</i>	Low Likelihood Based on the age of historical (since demolished) structures present on site Asbestos Containing Materials (ACMs) may be present in site soils. Development proposals include the construction of a single storey extension to the existing building, the presence of hardstanding will break the source pathway receptor linkage for direct contact.	Moderate/Low	Generic Quantitative Risk Assessment Recommended as part of the investigation.
		Construction and Maintenance Workers	Medium <i>Chronic health risk</i>	Low Likelihood Workers should be provided with appropriate PPE to prevent exposure to any potential contaminants on site.	Moderate/Low	Workers should be provided with appropriate PPE and sanitary facilities during works.
	Vertical Migration through the superficial deposits May occur due to existing service corridors, basements, and physical processes including; capillary action and downwards into the natural deposits through infiltration.	Controlled Waters (Groundwater) Secondary A Aquifer associated with the bedrock deposits. Site is not located within a Source Protection Zone. No potable groundwater abstractions located within 500m of the site.	Medium <i>Pollution of sensitive water resources</i>	Unlikely Little to no potential sources of gross contamination. Although there is a Secondary A Aquifer below the site within the Woodhill Head Rock and Pennine Lower Coal Measures, BGS recorded borehole logs indicate the presence of cohesive soils which would limit the potential for vertical migration of contaminants of concern, preventing the source-pathway-receptor linkage.	Low	No further assessment required.
	Horizontal Migration over and through the superficial deposits (soils) May occur due to the influence of perched or natural groundwater flow patterns and natural or man-made high permeability zones, e.g. sand lenses or drainage runs.	Controlled Waters (Surface Water) Man-made fishing ponds located 259m east of the site, River Roch located 335m south of the site.	Medium <i>Pollution of sensitive water resources</i>	Unlikely Little to no potential sources of gross contamination. River Roch is a considerable distance away from the site (>335m). Shallow ground conditions anticipated to include cohesive soils, accounting for nearby BGS borehole logs, limiting the potential for horizontal migration of potential contamination within shallow Made Ground Soils.	Low	No further assessment required.
	Vertical and horizontal migration through existing service corridors and the underlying superficial deposits	End user of site	Medium <i>Acute health risk, e.g. asphyxiation or risk from explosion</i>	Low Likelihood Low gas generation potential within Made Ground soils.	Moderate/Low	Ground Gas Monitoring and Risk Assessment Recommended as part of the ground investigation.

8 CONCLUSION AND RECOMMENDATIONS

The qualitative risk assessment (QRA) determined a Low to Moderate/Low level of level of risk associated with the proposed development.

The QRA concluded by recommending that generic quantitative risk assessments (GQRA) were conducted to confirm the assessment of risk ascribed to each of the respective potential pollutant linkages (PPLs). It is recommended that the GQRA is conducted as part of a ground investigation in support of the engineering design of the proposed development an outline scope for which is detailed in the section hereafter.

In summary, the following recommendations are made:

- Undertake an intrusive ground investigation to collect chemical and geotechnical samples to inform human health risk assessment and geotechnical assessment.
- Install monitoring wells to allow for monitoring sub-surface conditions, including ground gas and groundwater monitoring.
- Undertake a GQRA as part of the ground investigation to determine contaminated land risks.
- Undertake an investigation into the mine shaft cap, including an understanding of the cap and possible shaft grouting. Grouting of the disused mine shaft should it be deemed necessary.

It is further recommended that this work is completed in advance of any development works taking place.

8.1 Outline Scope of Works for Ground Investigation

It is envisaged that the ground investigation will comprise the following actions, all undertaken under the supervision of a suitably qualified engineer in line with current guidance and best practice:

- Intrusive borehole and trial pits – understand shallow ground conditions, assess the existing buildings foundations, provide shallow chemical and geotechnical information, and to facilitate the installation of standpipes for ground gas and groundwater level monitoring.
- Associated geotechnical and environmental laboratory testing (soils and if necessary, groundwater samples) – to develop a working ground model, assess the potential risk to end users of the site and other sensitive receptors, and determine suitable foundation solutions for the proposed development.

Outline Scope of Works for Coal Mining Features

Elevated risk ratings are identified associated with the historic mine shaft on site, specifically the effects of any associated collapse and effects of associated mine gas emissions or spontaneous combustion of coal. As such investigation and treatments works are proposed, together with no build stand-off zones.

Due to the presence of a mine shaft adjacent to the north-west of the site boundary, investigation is required to determine its current setting and impact on proposed development.

- Confirmation of mine shaft cap and its thickness/composition
- Probing to determine the depth of the disused mine shaft and understand presence of possible grout
- Appropriate treatment following investigation of the shaft and cap design.

Development plans should take into account the position of the mineshaft position and any no build zones due to the potential for the shaft to collapse.

8.2 Contaminants of Concern

Potential contaminants of concern associated with the sources identified within the Site History, Coal Mining Risk Assessment and the Conceptual Site Model in Sections 3.0, 6.0 and 7.0 respectively include but are not limited to: broad range aliphatic and aromatic hydrocarbons present within any fuel oils; polycyclic aromatic hydrocarbons (PAHs); inorganic compounds including heavy metals; and asbestos.

Potential contaminants associated with the air-born dust/particulates include but are not limited to polycyclic aromatic hydrocarbons and inorganic compounds including toxic metals that are also accounted for by potential on-site contaminants of concern.

8.3 Other Considerations

There may be subsurface obstructions, voids and relic foundations associated with existing buildings.

The requirement for additional surveys, e.g. flood risk assessment, arboricultural, archaeological and ecological surveys, should be confirmed through advice from a suitably qualified and experienced professional.

9 REFERENCES

1. Environment Agency (2021) Land contamination risk management (LCRM) (last updated July 2023).
2. Landmark (2025) Envirocheck Report (Report Ref. 374880608_1_1).
3. Mining Remediation Authority (2025) Coal Mining Consultants Report (Report Ref. 51003492710001)
4. British Geological Society (BGS) Bedrock (2010) 1:50,000 mapping, Sheet No. 085 (Manchester).
5. British Geological Society (BGS) Bedrock and Superficial (2011) 1:50,000 mapping, Sheet No. 085 (Manchester).
6. BGS GeoIndex [online] Available at: [GeolIndex - British Geological Survey \(bgs.ac.uk\)](https://www.bgs.ac.uk/geoindex/) (accessed April 2025).
7. The Mining Remediation Authority Interactive Map Viewer [online] Available at: [Interactive Map Viewer | Mining Remediation Authority \(bgs.ac.uk\)](https://www.bgs.ac.uk/mining-remediation-authority/) (accessed April 2025).
8. Manchester City Council [online] Available at: [Workhouses, hospitals and industrial schools - Bury Union Workhouse \(Jericho Institution\) | Manchester City Council](https://www.manchester.gov.uk/workhouses-hospitals-and-industrial-schools-bury-union-workhouse-jericho-institution/) (accessed April 2025).
9. The Workhouse [online] Available at: [The Workhouse in Bury, Lancashire](https://www.bury.gov.uk/the-workhouse-in-bury-lancashire/) (accessed April 2025).
10. CIRIA (2009) Unexploded Ordnance: A Guide for the Construction Industry (Report no. C681).
11. Zetica Risk Maps (UXO) [online] Available at: [Risk Maps | Zetica UXO](https://www.zetica.co.uk/risk-maps-uxo/) (accessed April 2025).
12. Health and Safety Executive (2015) Construction (Design and Management) Regulations.

10 APPENDICES

Appendix A – Drawings

Appendix B – Envirocheck Report

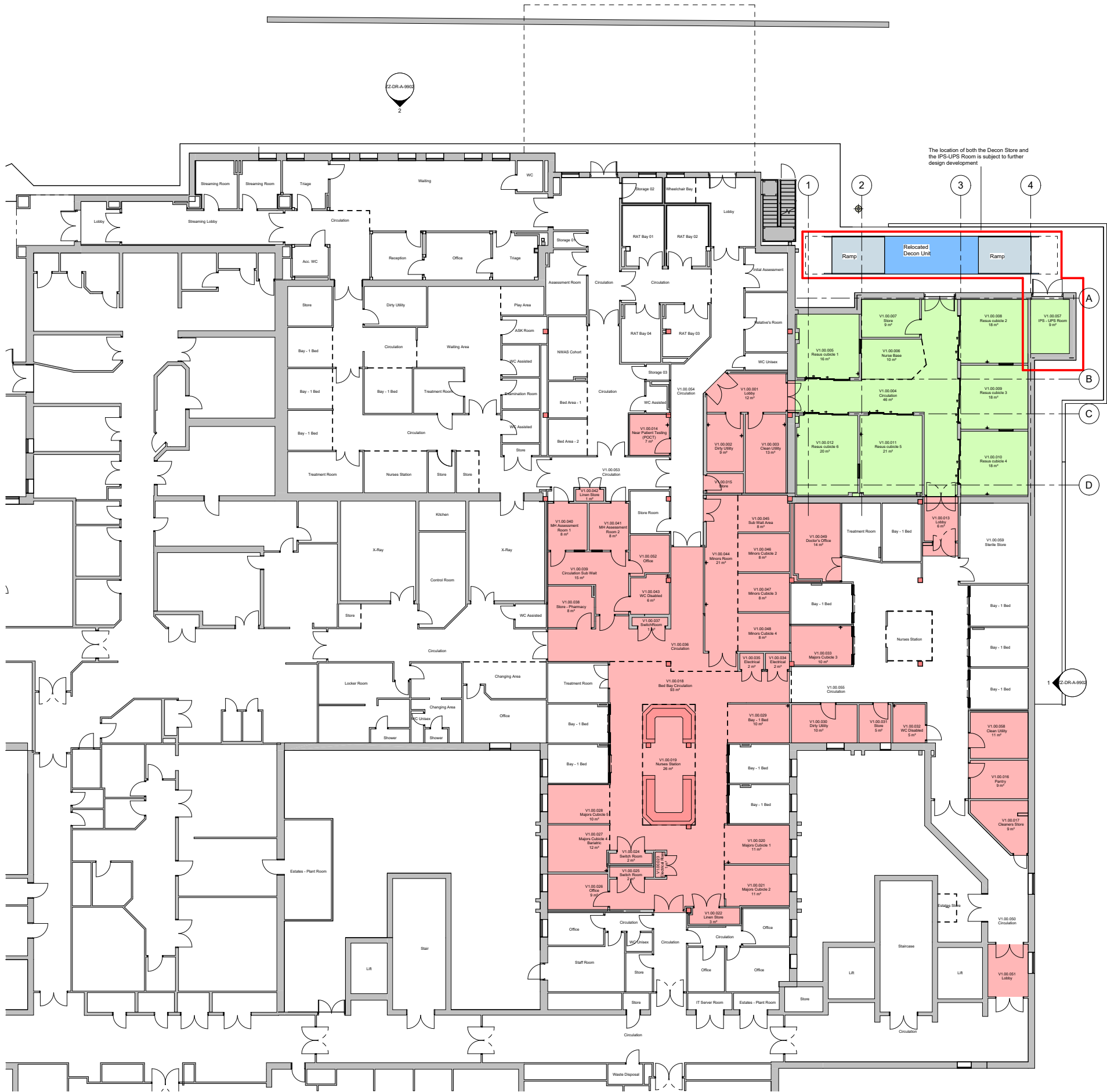
Appendix C – Mining Remediation Authority Report and Correspondence

Appendix D – Qualitative Risk Assessment Rationale

Appendix A – Drawings

Proposed Refurbishment and Extension Works Legend

- Proposed Extension Works
- Proposed Refurbishment Works
- Proposed Location for Decon Unit



1 Proposed GA Plan
1 : 100

Client Drawing Sign Off:-		
Name:	Sign:	Date:

P04	GH	New revision updated to Client requirements	12/05/25
P03	GH	Latest layout with furniture loading removed	22/04/25
P02	RB	Latest layout and furniture loading	24/03/25
P01	GH	First Issue	12/03/25
Rev	By	Description	Date



Client Name:
Northern Care Alliance NHS
Foundation trust

Site Name:
Fairfield General Hospital

Project Name:
FGH 2nd Phase Expansion

Drawing Title:
Proposed GA Plan

Project No: 9101-002	Sheet Size: A0	Scale: 1 : 100
Drawn by: GH	Checked by: AR	Approved by: P04

Drawing Number:
Project Code / Originator / Volume / Level / Type / Discipline / System Number
FGH2PE-GDA-V1-00-DR-A-1002

Appendix B – Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

374880608_1_1

Customer Reference:

086745 Bury ED

National Grid Reference:

383210, 411620

Slice:

A

Site Area (Ha):

0.03

Search Buffer (m):

1000

Site Details:

Northern Care Alliance NHS Foundation Trust

Fairfield General Hospital

Rochdale Old Road

BURY

BL9 7TD

Client Details:

Ms L Woods

Curtins Consulting Ltd

Merchant Exchange

17-19 Whitworth Street West

Manchester

M1 5WG

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	23
Hazardous Substances	-
Geological	32
Industrial Land Use	48
Sensitive Land Use	58
Data Currency	59
Data Suppliers	65
Useful Contacts	66

Introduction

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

Copyright Notice

© Landmark Information Group Limited 2025. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report. © Environment Agency & United Kingdom Research and Innovation 2025. © Natural Resources Wales & United Kingdom Research and Innovation 2025.

Natural England Copyright Notice

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

Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

Ove Arup Copyright Notice

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

Stantec Copyright Notice

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

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England. The probability result is only valid for properties above ground. All basement and cellar areas are considered to be at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of Radon Affected Area status.

Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2025. Land & Property Services © Crown copyright and database right.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices	pg 3				1
Discharge Consents	pg 3			1	6
Prosecutions					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control	pg 4				1
Local Authority Pollution Prevention and Controls	pg 4			1	1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5			Yes	
Pollution Incidents to Controlled Waters	pg 5		2	8	9
Historical Prosecutions	pg 8				1
Registered Radioactive Substances					
Substantiated Pollution Incident Register					
Water Abstractions	pg 8				10 (*17)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 15	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 15			14	48
Water Framework Directive - Catchment	pg 22	Yes			
Water Framework Directive - Groundwater	pg 22	Yes			
Water Framework Directive - Surface Waters					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 23		1		2
Historical Landfill Sites	pg 23		1	5	5
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 25			1	1
Licensed Waste Management Facilities (Locations)	pg 26				2
Local Authority Landfill Coverage	pg 26	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 26		3	7	2
Potentially Infilled Land (Water)	pg 27				3
Registered Landfill Sites	pg 27			1	8
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 31		1		
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 32	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 32	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 42		2	3	21
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 46	Yes	n/a	n/a	n/a
Mining Instability	pg 46	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 46	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 47	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 47	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 47	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 48		5	8	16
Fuel Station Entries	pg 50			2	1
Points of Interest - Commercial Services	pg 50			2	4
Points of Interest - Education and Health	pg 51		8		1
Points of Interest - Manufacturing and Production	pg 52			4	36
Points of Interest - Public Infrastructure	pg 55			7	15
Points of Interest - Recreational and Environmental	pg 57				2
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 58				2
Areas of Adopted Green Belt	pg 58		2	1	
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (E)	0	1	383210 411620
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	82	1	383150 411550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	90	1	383150 411700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	147	1	383300 411750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	195	1	383050 411750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	200	1	383000 411600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	202	1	383100 411800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	231	1	383050 411800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	250	1	382950 411600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	277	1	383300 411350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	282	1	383400 411400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	294	1	383000 411400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	299	1	382900 411620
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	303	1	383500 411500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	310	1	383210 411300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	331	1	382950 411400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	332	1	383000 411350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	336	1	382950 411850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	345	1	382900 411450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	347	1	383050 411300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	350	1	382850 411650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	350	1	383550 411500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	352	1	383450 411350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	364	1	383150 411250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	365	1	383400 411300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	372	1	382950 411900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	385	1	383600 411550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	387	1	383500 411350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	388	1	383350 411250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	402	1	382950 411300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	415	1	383000 411250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	423	1	383100 411200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	430	1	383650 411600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	435	1	383350 411200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	437	1	383600 411400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	439	1	383050 411200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	459	1	383000 411200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	462	1	383500 411250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	464	1	383600 411350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	467	1	383500 412000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	472	1	383100 411150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	487	1	383700 411700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A9NW (SE)	493	1	383550 411250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Contaminated Land Register Entries and Notices Location: Former Boo Hole Landfill, Between Bury New Road And Bury Old Road, Heywood Notice Type: Remediation Statement - Remediation Work Completed Reference: LF11 Dated: 30th June 2011 Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A8SE (S)	913	2	383345 410708
2	Discharge Consents Operator: Bury Health Care Nhs Trust Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Fairfield Hospital, Rochdale Old Road, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990354 Permit Version: 1 Effective Date: 15th March 1982 Issued Date: Not Supplied Revocation Date: 20th June 2011 Discharge Type: Storm /emergency overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Roch Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	303	3	383500 411500
3	Discharge Consents Operator: Transparent Paper Ltd Property Type: MAKING OF CHEMICALS + CHEMICAL PRODUCTS Location: Transparent Paper Ltd, Bury, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990257 Permit Version: 1 Effective Date: 1st April 1981 Issued Date: Not Supplied Revocation Date: 24th February 1982 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Revoked: Discharge ceased (Water Act 1989, Schedule 12 & 6) Positional Accuracy: Located by supplier to within 100m	A8NW (S)	521	3	383100 411100
4	Discharge Consents Operator: Bunzl Flexpack Ltd Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Bridge Hall Mills Swo, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991082 Permit Version: 1 Effective Date: 27th January 1986 Issued Date: Not Supplied Revocation Date: 30th September 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A8SW (SW)	773	3	382900 410900
4	Discharge Consents Operator: Bunzl Flexpack Ltd Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Bridge Hall Mills Swo, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016991082 Permit Version: 2 Effective Date: 1st October 1994 Issued Date: Not Supplied Revocation Date: 21st December 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A8SW (SW)	773	3	382900 410900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: R A Johnson Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: White Ash Stp White Ash/White Ash Terrace, Birtle, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993194 Permit Version: 1 Effective Date: 28th August 1997 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Tack Lea Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A18NE (N)	832	3	383530 412400
6	Discharge Consents Operator: Mr & Mrs D Makin Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Stp Derving Delph House Fm, Elbut Lane, Birtle, Bury, BL9 7tu Authority: Environment Agency, North West Region Catchment Area: Tacklee Brook Reference: 016983359 Permit Version: 1 Effective Date: 2nd September 1999 Issued Date: 2nd September 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tack Lee Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NE (N)	929	3	383350 412550
7	Discharge Consents Operator: J W Lees & Co (Brewers) Ltd Property Type: FOOD+BEVERAGE SERVICES/CAFE/RESTAURANT/PUB Location: Pack Horse Inn Elbut Lane, Birtle, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016991241 Permit Version: 3 Effective Date: 20th June 2001 Issued Date: 20th June 2001 Revocation Date: Not Supplied Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Tack Lea Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	946	3	383610 412490
8	Local Authority Integrated Pollution Prevention And Control Name: Printpak Europe Ltd Location: Bridge Hall Lane, Bury, BL9 7PA Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAIPPC03-09 Dated: Not Supplied Process Type: Other Activities Description: SG6 Coating flexible packaging Status: Permit Issued Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	925	4	382763 410798
9	Local Authority Pollution Prevention and Controls Name: Save Service Station Location: 602-621 Rochdale Old Road, BURY, Lancashire, BL9 7RZ Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC05-06 Dated: 1st November 2000 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	438	4	383569 411887

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Local Authority Pollution Prevention and Controls Name: Printpak Europe Ltd Location: Bridge Hall Lane, BURY, Lancashire, BL9 7PA Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAIPPC03-09 Dated: 1st September 1993 Process Type: Local Authority Air Pollution Control Description: PG6/8 Textile and fabric coating of finishing processes Status: Transferred to LAIPPC Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	925	4	382763 410798
	Nearest Surface Water Feature	A13NE (E)	259	-	383479 411626
11	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Pumping Station Location: White Substance In , Tributary At Rear Of, Fairfield Hospital Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Tributary River Roch; Crude Sewage Incident Date: 13th November 1997 Incident Reference: 97621916 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Ineffective Pumping Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	214	3	383400 411500
12	Pollution Incidents to Controlled Waters Property Type: Pollution Found Source Not Determined Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Unknown Note: Broad Oak Lodge; General Incident Date: 30th October 1996 Incident Reference: 96622261 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	A13SW (SW)	233	3	383000 411500
13	Pollution Incidents to Controlled Waters Property Type: Private Sewage: Sewage Works And Septic Tanks Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Sewage - Septic Tank Effluent Note: Broad Oak Lodge; Sewage Incident Date: 8th August 1996 Incident Reference: 96621856 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	371	3	382900 411400
13	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Broadoak Waters Incident Date: 17th October 1995 Incident Reference: 95622561 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	A13SW (SW)	374	3	382900 411395
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Tributary River Roch; No Pollution Found Incident Date: 7th July 1995 Incident Reference: 95621672 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	A18SW (NW)	425	3	383000 412000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Pollution Incidents to Controlled Waters Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Other Note: Broadoak Lodge; Septic Sludge Incident Date: 31st August 1995 Incident Reference: 95622225 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	436	3	382800 411800
16	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: Laver Lomax Farm, Heywood, HEYWOOD, Greater Manchester Authority: Environment Agency, North West Region Pollutant: No Pollutant Note: Not Supplied Incident Date: 9th November 1999 Incident Reference: 34053 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	A14SW (SE)	437	3	383600 411400
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: A Lake Called Broad Oak Authority: Environment Agency, North West Region Pollutant: Not Given Note: Not Supplied Incident Date: 23rd February 1999 Incident Reference: 909 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A12SE (SW)	455	3	382805 411395
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Natural Note: Broad Oak Lodge; Algae Incident Date: 20th June 1995 Incident Reference: 95621471 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Algal Bloom Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	457	3	382800 411400
17	Pollution Incidents to Controlled Waters Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Dairy / Parlour Washings Note: Broad Oak Lodge Incident Date: 2nd June 1995 Incident Reference: 95621299 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Poor Operational Practice Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	459	3	382800 411395
18	Pollution Incidents to Controlled Waters Property Type: Cattle (Dairy) Farming: Other Location: Broadoak Lodge Authority: Environment Agency, North West Region Pollutant: Agricultural: Dairy Parlour Washings Note: Dead Fish Incident Date: 24th June 1998 Incident Reference: SO981220 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Mechanical Failure Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	510	3	382805 411295

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Pollution Incidents to Controlled Waters Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Dairy / Parlour Washings Note: Broadoak Waters Incident Date: 31st October 1995 Incident Reference: 95622682 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Poor/Inadequate Maintenance Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	511	3	382800 411300
18	Pollution Incidents to Controlled Waters Property Type: Farm Drainage Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Cattle slurry Note: Transparent Lodge; Farm Drainage Incident Date: 3rd November 1996 Incident Reference: 96622279 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	514	3	382800 411295
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Broad Oak Lodge Incident Date: 8th November 1995 Incident Reference: 95622797 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	A7NE (SW)	577	3	382800 411200
20	Pollution Incidents to Controlled Waters Property Type: Hospital Location: Behind Fairfield Hospital, BURY Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Milky-White Effluent On River Roch Incident Date: 13th July 1998 Incident Reference: SO981261 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Ineffective Pumping Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	580	3	383800 411600
21	Pollution Incidents to Controlled Waters Property Type: Private Sewage: Sewage Works And Septic Tanks Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Sewage - Septic Tank Effluent Note: Kingfisher Lodge; Septic Tank Effluent Incident Date: 23rd January 1996 Incident Reference: 96620147 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	A18NE (N)	816	3	383500 412395
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Natural Note: Pond At Summitt He; No Pollution Found Incident Date: 18th June 1996 Incident Reference: 96621330 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	A9NW (SE)	847	3	383800 411000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Tack Lee Bk; No Pollution Found Incident Date: 4th October 1995 Incident Reference: 95622460 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	A19NW (NE)	861	3	383600 412400
24	Pollution Incidents to Controlled Waters Property Type: Pollution Found Source Not Determined Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Foam Note: River Roch; Foam Incident Date: 13th January 1996 Incident Reference: 96620077 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	A12SW (W)	955	3	382300 411300
25	Historical Prosecutions Location: Pack Horse Inn, Elbut Lane, BURY, Lancashire, BL9 7TU Prosecution Text: EA News Release 22/06/1999 (Case 2 of 2), Breaching discharge consent limits of sewage effluent into a tributary of Tack Lea Brook on three occasions between January and July 1998. (Costs are for both cases.) Prosecution Act: WRA91 s85(6) Hearing Date: 22nd June 1999 Verdict: Guilty Fine: 4500 Costs: 650 Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	973	-	383589 412528
26	Water Abstractions Operator: Wills Fabrics Ltd Licence Number: 2569002141 Permit Version: 100 Location: Reservoirs (3) Fed By Springs And Surface Drainage At Prem Authority: Environment Agency, North West Region Abstraction: Textiles & Leather: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1659 Yearly Rate (m3): 414822 Details: Birtle Bleach Works, Birtle, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NE (N)	695	3	383400 412300
26	Water Abstractions Operator: Wills Fabrics Ltd Licence Number: 2569002141 Permit Version: 100 Location: Reservoirs (3) Fed By Springs And Surface Drainage At Prem Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: 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: Birtle Bleach Works, Birtle, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	695	3	383400 412300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Water Abstractions Operator: Melba Products Limited Licence Number: 2569002149 Permit Version: Not Supplied Location: Four Reservoirs Fed By Spring, & Surface Drainage Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 273 Yearly Rate (m3): 68190 Details: Additional Purpose: 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	A19SW (NE)	751	3	383800 412100
28	Water Abstractions Operator: Access Utilities Limited Licence Number: Nw/069/0002/010 Permit Version: 1 Location: Borehole - Northern Manchester Carboniferous Aquifers Authority: Environment Agency, North West Region Abstraction: Chemicals: 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: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 19th September 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SW (S)	781	3	382983 410861
29	Water Abstractions Operator: A Cleasby Limited Licence Number: 2569014032 Permit Version: Not Supplied Location: Borehole; Lower Tack Lea Farm, Bury & Rochdale Old Road, BURY Authority: Environment Agency, North West Region Abstraction: General Agriculture & Private Water Supply (Domestic) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 16 Yearly Rate (m3): 5913 Details: Additional Purpose: Domestic - household; 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	A19SW (NE)	817	3	383800 412200
30	Water Abstractions Operator: Wills Fabrics Ltd Licence Number: 2569002141 Permit Version: 100 Location: Reservoirs (3) Fed By Springs And Surface Drainage At Authority: Environment Agency, North West Region Abstraction: Textiles & Leather: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Birtle Bleach Works, Birtle, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NE (N)	821	3	383500 412400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Water Abstractions Operator: Wills Fabrics Ltd Licence Number: 2569002141 Permit Version: 100 Location: Reservoirs (3) Fed By Springs And Surface Drainage At Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: 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: Birtle Bleach Works, Birtle, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	821	3	383500 412400
31	Water Abstractions Operator: A Cleasby Ltd Licence Number: 2569002267 Permit Version: 100 Location: Borehole At Lower Tack Lea Farm Bury 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): 16 Yearly Rate (m3): 5913 Details: Land At Lower Tack Lea Farm, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd May 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	897	3	383890 412220
32	Water Abstractions Operator: Wills Fabrics Ltd Licence Number: 2569002142 Permit Version: 100 Location: Borehole At Premises, Birtle Bury 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: Groundwater Daily Rate (m3): 218 Yearly Rate (m3): 12729 Details: Birtle Bleach Works, Birtle, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	910	3	383700 412400
32	Water Abstractions Operator: Wills Fabrics Ltd Licence Number: 2569002142 Permit Version: 100 Location: Borehole At Premises, Birtle Bury 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Birtle Bleach Works, Birtle, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	910	3	383700 412400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J Chadwick Licence Number: 2569002056 Permit Version: 100 Location: Spring Fed Storage Tank And Catchpit At Carrcroft Farm, Birt 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): 2 Yearly Rate (m3): 664 Details: Carrcroft Farm, Birtle, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	1075	3	383100 412700
	Water Abstractions Operator: Heap Bridge Hydro Ltd Licence Number: Nw/069/0002/002 Permit Version: 3 Location: River Roch At Heap Bridge Weir Authority: Environment Agency, North West Region Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Heap Bridge Weir, Bury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 13th April 2023 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	1157	3	382536 410666
	Water Abstractions Operator: Brother Investments Ltd Licence Number: Nw/069/0002/002 Permit Version: 2 Location: River Roch At Heap Bridge Weir Authority: Environment Agency, North West Region Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Heap Bridge Weir, Bury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 18th September 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	1157	3	382536 410666
	Water Abstractions Operator: Brother Investments Ltd Licence Number: Nw/069/0002/002 Permit Version: 1 Location: River Roch At Heap Bridge Weir Authority: Environment Agency, North West Region Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Heap Bridge Weir, Bury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 17th September 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	1157	3	382536 410666

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: R Chadwick Licence Number: 2569002057 Permit Version: 100 Location: Spring Fed Interconnected Tanks (2), At Mount Pleasant Farm, 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): 6 Yearly Rate (m3): 2159 Details: Mount Pleasant Farm, Birtle, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	1175	3	383100 412800
	Water Abstractions Operator: C V H F Limited Licence Number: 2569002030 Permit Version: Not Supplied Location: River Roch, Bridge Hall Dye Works, BURY Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 2618 Yearly Rate (m3): 436416 Details: Additional Purpose: Manufacturing; 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	A2NW (SW)	1232	3	382500 410600
	Water Abstractions Operator: Mr R Thompson Licence Number: 2569012144 Permit Version: Not Supplied Location: Borehole, Fernises Farm , Grifel Hurst Lane Authority: Environment Agency, North West Region Abstraction: General Agriculture & Private Water Supply (Domestic) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 9 Yearly Rate (m3): 3319 Details: Additional Purpose: Domestic - household; 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	A19NE (NE)	1311	3	384200 412495
	Water Abstractions Operator: Mr R Thompson Licence Number: 2569002248 Permit Version: 100 Location: Borehole At Fernises Farm , Grifel Hurst Lane Authority: Environment Agency, North West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 9 Yearly Rate (m3): 3319 Details: Land/Premises-Fernises Farm,Birtle Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th June 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	1315	3	384200 412500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr J B Robinson Licence Number: 2569001195 Permit Version: 100 Location: Borehole On Premises At Birtle, Bury 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): 18 Yearly Rate (m3): 727 Details: Harwood Field Farm, Birtle, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th November 1974 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NE (NW)	1501	3	382600 413000
	Water Abstractions Operator: Raymond Taylor Licence Number: 2569001284 Permit Version: 1 Location: Borehole At Sillinghurst Farm Birtle Bury Authority: Environment Agency, North West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Sillinghurst Farm, Birtle, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1630	3	382080 412810
	Water Abstractions Operator: B & J Ovenden Licence Number: 2569002189 Permit Version: 100 Location: Borehole At Thornhurst Farm, Heywood 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): 9 Yearly Rate (m3): 3032 Details: Thornhurst And Heywood 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	A24NE (NE)	1666	3	384000 413100
	Water Abstractions Operator: T S Fish Licence Number: 2569002059 Permit Version: 100 Location: Well At Spout Bank Farm, Heap Bridgebury, Lancashire 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): 10 Yearly Rate (m3): 3487 Details: Spout Bank Farm, Heap Bridge, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2SW (SW)	1676	3	382300 410200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr R R Taylor Licence Number: 2569001196 Permit Version: 100 Location: Spring Fed Collecting Tank At Birtle, Bury 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): 14 Yearly Rate (m3): 5001 Details: Sillinghurst Farm, Birtle, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th November 1974 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SE (NW)	1684	3	382100 412900
	Water Abstractions Operator: Bury Cooper Whitehead Ltd Licence Number: 2569002212 Permit Version: Not Supplied Location: Springfield Mills, BURY Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 9728 Yearly Rate (m3): 86400 Details: Gypsy Brook A Tributary Of Barn Brook 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)	1899	3	381300 411600
	Water Abstractions Operator: Bury Cooper Whitehead Ltd. Licence Number: 2569001107 Permit Version: Not Supplied Location: Borehole, Hudcar Mills, BURY Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 86 Yearly Rate (m3): 9092 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	(W)	1903	3	381300 411500
	Water Abstractions Operator: R Wilkinson Licence Number: 2569002085 Permit Version: 100 Location: Well At Waterfold Farm, Heap Bridge, Near Bury 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: Waterfold Farm, Heap Bridge, Nr Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1SE (SW)	1932	3	382000 410100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Bury Cooper Whitehead Ltd. Licence Number: 2569002211 Permit Version: Not Supplied Location: Bury, BURY, Lancashire Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 546 Yearly Rate (m3): 50006 Details: Green Brook A Tributary Of Barn Brook 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)	2000	3	381200 411700
	Groundwater Vulnerability Map Combined Secondary Superficial Aquifer - High Vulnerability Classification: High Combined Vulnerability: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial <90% Patchiness: 3-10m Superficial Thickness: Low Superficial Recharge:	A13NW (E)	0	3	383210 411620
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (E)	0	5	383210 411620
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NW (E)	0	5	383210 411620
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (N)	286	6	383274 411911
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 250.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	311	6	383369 411900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (E)	329	6	383529 411503
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 301.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13SE (SE)	330	6	383462 411392
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	333	6	382948 411399
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8NE (S)	359	6	383291 411261
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 2	A8NE (S)	361	6	383299 411261
40	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	A13SE (SE)	368	6	383541 411437
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13SE (SE)	372	6	383542 411430
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 401.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8NE (S)	381	6	383265 411234
43	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 208.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	383	6	382927 411347

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	395	6	383571 411436
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 280.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A14SW (SE)	395	6	383571 411436
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	446	6	383613 411827
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	557	6	383414 411094
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	585	6	382760 411231
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 353.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	588	6	383799 411718
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	588	6	383799 411718
51	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 78.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	602	6	383318 412224
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	623	6	382754 411181

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
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	A7NE (SW)	636	6	382748 411168
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 207.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A14SW (E)	655	6	383845 411422
55	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 32.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	670	6	383290 412297
56	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 139.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	670	6	383290 412297
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	677	6	383669 411110
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8NW (S)	688	6	383002 410953
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 2	A8NW (S)	688	6	383002 410953
60	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 23.2 Watercourse Level: On ground surface Permanent: False Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	689	6	383429 412286
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	691	6	383267 412319

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18SE (N)	702	6	383446 412294
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.4 Watercourse Level: Underground Permanent: True Watercourse Name: Tack Lee Brook Catchment Name: Mersey Primacy: 1	A18SE (N)	702	6	383446 412294
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 244.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tack Lee Brook Catchment Name: Mersey Primacy: 1	A19SW (NE)	703	6	383765 412067
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 296.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8SW (S)	733	6	383002 410906
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NE (N)	735	6	383472 412319
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tack Lee Brook Catchment Name: Mersey Primacy: 1	A19SW (NE)	765	6	383721 412204
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tack Lee Brook Catchment Name: Mersey Primacy: 1	A19SW (NE)	769	6	383854 412057
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tack Lee Brook Catchment Name: Mersey Primacy: 1	A19NW (NE)	791	6	383590 412327
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tack Lee Brook Catchment Name: Mersey Primacy: 1	A19SW (NE)	791	6	383675 412274

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.4 Watercourse Level: Underground Permanent: True Watercourse Name: Tack Lee Brook Catchment Name: Mersey Primacy: 1	A19SW (NE)	798	6	383665 412289
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	798	6	383135 412425
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	803	6	383127 412429
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	845	6	384034 411391
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	850	6	384043 411403
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A14SE (E)	851	6	384049 411424
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	860	6	382339 411602
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 396.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tack Lee Brook Catchment Name: Mersey Primacy: 1	A19SE (NE)	862	6	384002 411980
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	885	6	383289 412512

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	893	6	383495 412478
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	899	6	383268 412528
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	918	6	384115 411412
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 538.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A14SE (E)	918	6	384115 411412
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	921	6	384115 411401
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	926	6	384114 411374
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	928	6	384118 411384
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	928	6	382284 411778
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	939	6	382263 411691

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	941	6	382262 411533
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	941	6	382262 411542
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	944	6	382261 411518
92	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	A18NE (N)	975	6	383522 412555
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	996	6	382908 410659
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 358.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8SW (S)	996	6	382908 410659
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Roch (Spodden to Irwell) WaterBody ID: GB112069064600 Operational Catchment: Roch Irk Medlock Management: Irwell Catchment: Irwell Catchment Name: Irwell	A13NW (E)	0	3	383210 411620
	Water Framework Directive - Groundwater Waterbody Name: Northern Manchester Carboniferous Aquifers Waterbody ID: GB41202G101800 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB41202G101800 Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: Good Year: 2019	A13NW (E)	0	3	383210 411620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	BGS Recorded Landfill Sites Site Name: Land off Roughill Lane Location: Jericho, BURY, Gt Manchester Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good	A13NW (NW)	130	-	383144 411742
96	BGS Recorded Landfill Sites Site Name: Off Bury New Road Location: HEYWOOD, Gt Manchester Authority: British Geological Survey, National Geoscience Information Service Ground Water: No threat to ground water Surface Water: No threat to surface water Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good	A8NW (S)	650	-	383105 410968
97	BGS Recorded Landfill Sites Site Name: Boohole Sand Quarry Location: Bury New Road, HEYWOOD, Gt Manchester Authority: British Geological Survey, National Geoscience Information Service Ground Water: No threat to ground water Surface Water: No threat to surface water Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good	A8SE (S)	906	-	383422 410730
98	Historical Landfill Sites Licence Holder: Not Supplied Location: Jericho, Bury, Greater Manchester Name: Rochdale Old Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15752 First Input Date: 31st October 1966 Last Input Date: 31st December 1975 Specified Waste: Deposited Waste included Industrial, Commercial and Household Waste, and Type: Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 1082 Other Ref: C035	A13NW (NW)	119	3	383142 411728
99	Historical Landfill Sites Licence Holder: J Timperley Location: Jericho, Bury, Greater Manchester Name: Rochdale Old Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15749 First Input Date: 25th October 1977 Last Input Date: 31st December 1985 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9293 BGS Ref: Not Supplied Other Ref: RD/LIC/014/76, C042	A13NE (NE)	405	3	383535 411877
100	Historical Landfill Sites Licence Holder: Transparent Paper Limited Location: Broad Oak Terrace, Jericho, Bury Name: Transparent Paper Limited Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15769 First Input Date: 31st December 1974 Last Input Date: 31st December 1986 Specified Waste: Deposited Waste included Inert, Industrial and Special Waste, and Liquid Type: Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9172 BGS Ref: Not Supplied Other Ref: C007, RD/LIC/015/76	A14SW (SE)	405	3	383588 411446

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	Historical Landfill Sites Licence Holder: T Kaberry & Sons Ltd Location: Bury New Road, Rochdale, Heywood, Lancashire Name: Prettywood West Extension Landfill Site Operator Location: Bury New Road, Rochdale, Heywood, Lancashire Boundary Accuracy: As Supplied Provider Reference: EAHL35951 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 53879 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A8NE (S)	428	3	383326 411200
102	Historical Landfill Sites Licence Holder: Thomas Kaberry and Sons Limited Location: Boo Hole, Off Bury New Road, Heywood, Rochdale, Greater Manchester Name: Prettywood Sand Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL18058 First Input Date: 1st March 1988 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9240 BGS Ref: Not Supplied Other Ref: 0209, 0387, 0058, 0889, RD/LIC/139/78, D113, RD/LIC/499/87	A8NE (S)	429	3	383325 411198
103	Historical Landfill Sites Licence Holder: Not Supplied Location: Prettywood, Bury New Road, Hey, Greater Manchester Name: Former Sludge Pits Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL15777 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: D104	A8NE (S)	429	3	383325 411198
104	Historical Landfill Sites Licence Holder: Not Supplied Location: Lower Elbut Farm, Heywood, Greater Manchester Name: Elbut Wood Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL15757 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: D106	A14NW (E)	594	3	383798 411753
105	Historical Landfill Sites Licence Holder: Yates Duxbury and Sons Limited Location: Bury New Road, Prettywood, Heywood, Lancashire Name: Bury New Road Operator Location: Heap Bridge Paper Mills, Bury, Lancashire Boundary Accuracy: As Supplied Provider Reference: EAHL15785 First Input Date: 31st December 1910 Last Input Date: 31st December 1985 Specified Waste: Deposited Waste included Inert, Industrial and Special Waste, and Liquid Type: Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9292 BGS Ref: 309 Other Ref: D035, RD/LIC/017/76	A8NW (S)	635	3	383111 410982

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	Historical Landfill Sites Licence Holder: Not Supplied Location: Heywood, Greater Manchester Name: Lower Elbut Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15748 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: D105	A14NE (E)	744	3	383923 411860
107	Historical Landfill Sites Licence Holder: Tack Lea Works Limited Location: Birtle Name: Bury And Rochdale Old Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15744 First Input Date: 31st December 1971 Last Input Date: 31st December 1980 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9031 BGS Ref: Not Supplied Other Ref: RD/LIC/153/78	A19SW (NE)	762	3	383857 412039
108	Historical Landfill Sites Licence Holder: T Kaberry and Sons Limited Location: Bury New Road, Heywood, Rochdale Name: Boo-Hole Sand Quarry Extension Operator Location: Boohole sand Quarries, Bury new Road, Heywood, Lancashire Boundary Accuracy: As Supplied Provider Reference: EAHLD15789 First Input Date: 31st December 1960 Last Input Date: 31st December 1990 Specified Waste: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste, and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9227 BGS Ref: 286 Other Ref: RD/LIC/387/85, RD/LIC/139/78, D011, WML/0058, RD/LIC/058/76, RD/LIC/209/80, 4200/9201, 4200/9118	A8SE (S)	919	3	383352 410702
109	Licensed Waste Management Facilities (Landfill Boundaries) Name: Prettywood West Extension Landfill Site Licence Number: 53879 Location: Bury New Road, Heywood, Rochdale, Lancashire, OL10 Licence Holder: T Kaberry & Sons Ltd Authority: Environment Agency - North West Region, South Area Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Max Input Rate: Not Supplied Licence Status: Revoked Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8NE (S)	428	3	383324 411199
110	Licensed Waste Management Facilities (Landfill Boundaries) Name: Prettywood Easterly Extension Landfill Site Licence Number: 53647 Location: KABERRY HOMES LIMITED, Prettywood Easterly Extension Landfill Site, Bury New Road, Heywood, Lancashire, OL10 3JY Licence Holder: Kaberry Homes Limited Authority: Environment Agency - North West Region, South Area Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Max Input Rate: Not Supplied Licence Status: Closure Issued: 11th August 1995 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8NE (S)	557	3	383271 411056

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	Licensed Waste Management Facilities (Locations) Licence Number: 53879 Location: Bury New Road, Heywood, Rochdale, Lancashire, OL10 Operator Name: KABERRY HOMES LIMITED Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Licence Status: Revoked Issued: 12th November 1991 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (S)	676	3	383060 410950
112	Licensed Waste Management Facilities (Locations) Licence Number: 53647 Location: Prettywood Easterly Extension Landfill Site, Bury New Road, Heywood, Lancashire, OL10 3JY Operator Name: KABERRY HOMES LIMITED Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Licence Status: Closed Issued: 11th August 1995 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	728	3	383246 410883
	Local Authority Landfill Coverage Name: Bury Metropolitan Borough Council - Has not been able to supply Landfill data		0	7	383210 411620
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		331	2	383466 411395
113	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13NW (NW)	116	-	383154 411731
114	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13NE (NE)	148	-	383273 411766
115	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13SW (SW)	225	-	382999 411520
116	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13NW (N)	253	-	383138 411872
117	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13NE (NE)	347	-	383506 411818
118	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A12SE (W)	372	-	382833 411558
119	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A18SW (N)	379	-	383199 412009
120	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A8NW (S)	427	-	383201 411183

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A14NW (E)	451	-	383672 411621
122	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A12NE (NW)	500	-	382779 411894
123	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A18SW (NW)	626	-	382927 412188
124	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A8SE (S)	926	-	383350 410696
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A7SE (SW)	773	-	382838 410930
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A19NW (NE)	791	-	383616 412312
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A7SE (SW)	798	-	382802 410921
128	Registered Landfill Sites Licence Holder: J Timperley Licence Reference: 00014 Site Location: Rochdale Old Road, Jericho, Bury, Lancashire Licence Easting: 383550 Licence Northing: 411950 Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 25th October 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Excavated Natural Materials \$ Hardcore And Rubble	A14NW (NE)	464	3	383550 411950
129	Registered Landfill Sites Licence Holder: Blundell Flexipack Ltd Licence Reference: 00015/76/M2 Site Location: Broad Oak Terrace, Jericho, Bury, Lancashire Licence Easting: 383800 Licence Northing: 411500 Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 22nd September 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Calcium Sulphate Cellulose Wastes (Natural/Synth.) Construction And Demolition Wastes	A14SW (E)	591	3	383800 411500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	Registered Landfill Sites Licence Holder: Thomas Kaberry & Sons Ltd Licence Reference: 00689 Site Location: Yates Duxbury Tip West Extension, Prettywood, Heywood, Lancashire Licence Easting: 383100 Licence Northing: 411000 Operator Location: Boo-Hole, Bury New Road, Heywood, Rochdale, Lancashire, OL10 3jy Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Site Closed Dated: 12th November 1991 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Uncontam.Class A Soil Only Prohibited Waste: Asbestos Gmwda Group 2 - Slow Decomp./Slight So Gmwda Group 3 - Decomp./Sol.Waste = No Gmwda Group 5 - Chemical/Toxic Waste Liq./Sludges N.O.S. Special Wastes Waste In Drums Waste In Skips Waste N.O.S.- Pretreated Or Not	A8NW (S)	619	3	383100 411000
131	Registered Landfill Sites Licence Holder: Thomas Kaberry & Sons Ltd Licence Reference: 00690 Site Location: Prettywood, Bury New Road, Heywood, Lancashire Licence Easting: 383200 Licence Northing: 410900 Operator Location: Boo Hole, Bury New Road, Heywood, Rochdale, Lancashire, OL10 3jy Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Operational as far as is knownOperational Dated: 11th August 1995 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Gmwda Group 1 - Non/V.Slow Decomp.Wast Max.Waste Permitted By Licence Prohibited Waste: Boiler Scale Mineral Processing Wastes Waste N.O.S.	A8SW (S)	710	3	383200 410900
132	Registered Landfill Sites Licence Holder: Thomas Kaberry & Sons Ltd Licence Reference: 00499/87/M1 Site Location: Yates Duxbury Old Tip, Prettywood, Heywood, Lancashire Licence Easting: 383040 Licence Northing: 410900 Operator Location: Boo Hole, Bury New Road, Heywood, Rochdale, Lancashire, OL10 3jy Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st September 1988 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Soil,Clay,Sand,Stone,Nat.Excav.Mat'Ls	A8SW (S)	729	3	383040 410900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	Registered Landfill Sites Licence Holder: Tack Lea Works Ltd Licence Reference: 00153 Site Location: Bury & Rochdale Old Road, Birtle, BURY, Lancashire, BL9 7UA Licence Easting: 383850 Licence Northing: 412040 Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 5th November 1982 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Prohibited Waste: Liquid/Slurry/Sludge Wastes	A19SW (NE)	757	3	383850 412040
134	Registered Landfill Sites Licence Holder: Yates Duxbury & Sons Ltd Licence Reference: 00017/76 Site Location: Bury New Road, Prettywood, Heywood, Lancashire Licence Easting: 383100 Licence Northing: 410800 Operator Location: Heap Bridge Paper Mills, Bury, Lancashire Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1979 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Industrial Effluent Treatment Sludge	A8SW (S)	817	3	383100 410800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	Registered Landfill Sites Licence Holder: Thomas Kaberry & Sons Ltd Licence Reference: 00058/76/M6 Site Location: Boo-Hole Sand Quarry, Bury New Road, HEYWOOD, Lancashire, OL10 3JY Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 30th September 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good Authorised Waste Alkalis Aluminium Animal And Food Wastes Asbestos Borates Cadmium Compounds Construction And Demolition Wastes Contaminated Materials \$ Fats, Waxes And Greases Ferro And Ferri Cyanides Ferrous Metal Finishing Waste Ferrous Metal Scrap Fluorides Etc \$ Fuel Oil Household + Commercial Waste Inorganic Acids Interceptor Waste, Tar, Paint Etc \$ Ion-Exchange Resin Wastes Kerosene And Derv. Latex, Latex/Rubber Sol'Ns/Susp'Ns Lead Compounds Mineral Oils Mineral Processing Wastes Miscellaneous Wastes Mixed Inorganic Compounds Mixed Organic Compounds Nitrates Nitrites Non-Ferrous Metal Scrap Non-Flam. Fine Chemicals And Biocides Non-Hazardous Waste Non-Toxic Metal Compounds Organic Acids + Related Cmpds Organic Compounds Other Cyanides Other Hazardous Metal Oxides Other Inorganic Materials Other Metal Oxides Other Toxic Metal Compounds Polymeric Material, Products/Scrap Prod'Ts Of Incomplete Polymerisation \$ Scrap Rubber (Including Tyres) Silt And Dredgings Slag, Boiler/Flue Cleanings Sodium/Potassium Cyanides Soluble Complex Cyanides Sulphides Synthetic Adhesive Wastes Vegetable And Other Oils Prohibited Waste Acid Chlorides Ammonia Animal Processing Wastes Arsenates & Arsenites Arsenic Compounds Beryllium Oxide Biocides Cadmium Cadmium Oxide Carbides And Acetylides Chelating Compounds Chlorinated Phenols/Analogues Chromates Chromic Acid Halogenated Cleaning Cmpds Halogenated Cmpds(Not Cleaning Cmpds)	A8SE (S)	913	3	383458 410732

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Hydrofluoric Acid Liq./Slurry/Sludge Prod'G Nox'S Eff. \$ Magnesium Mercury Mercury Compounds Organic Cmpds Containing N,S Or P \$ Organic Peroxides Organo-Metallic Cmpds Other Inorganic Acids Other Non-Toxic Metal Compounds Other Organic Acids Other Toxic Metal Compounds Oxidising Compounds Sodium/Potassium Thallium Compounds Unidentified Chemical Waste Water (Contaminated)				
136	Registered Landfill Sites Licence Holder: Thomas Kaberry & Sons Ltd Licence Reference: 00139/78/M4 Site Location: Prettywood Sand Quarry, Bury New Road, Heywood, Lancashire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Boo-Hole, Bury New Road, Heywood, Rochdale, Lancashire, OL10 3jy Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 22nd September 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Construction And Demolition Wastes Hardcore And Rubble Prohibited Waste: Liquid/Slurry/Sludge Wastes	A8SE (S)	926	3	383353 410696
137	Registered Waste Treatment or Disposal Sites Licence Holder: Bury Health Authority Licence Reference: 00705/91 Site Location: Fairfield General Hospital, Jericho, Bury, Lancashire Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Incineration Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Licenced Wastes Not To Hand	A13SE (E)	81	3	383300 411600

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)	A13NW (E)	0	1	383210 411620
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13NW (E)	0	1	383210 411620
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (S)	92	1	383183 411521
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (N)	113	1	383183 411740
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (NW)	119	1	383130 411721
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (NW)	126	1	383147 411738
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13NW (W)	199	1	383000 411620

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 <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (W)	203	1	383000 411583
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SW (SW)	219	1	383063 411444
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	234	1	383000 411747
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SW (SW)	235	1	383000 411496
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	239	1	383368 411429
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	246	1	383346 411405

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 <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	266	1	383437 411462
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	314	1	382985 411387
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	315	1	383000 411372
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (N)	316	1	383114 411931
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (S)	319	1	383230 411292
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	369	1	383210 412000

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 <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	385	1	383450 411308
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SE (SE)	385	1	383461 411317
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	391	1	382811 411675
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	401	1	382888 411877
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NE (S)	420	1	383323 411207
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	454	1	383342 412066

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: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A14SW (E)	457	1	383648 411455
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NW (NE)	461	1	383620 411849
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NE (W)	494	1	382719 411741
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NE (NW)	500	1	382751 411847
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18SW (N)	511	1	383085 412125
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8NW (S)	541	1	383103 411079

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 <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	580	1	383275 412207
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NE (SW)	601	1	382771 411195
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	604	1	382726 412000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	610	1	383210 411000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	610	1	383206 411000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NE (S)	614	1	383278 411000

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 <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	626	1	383274 410988
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SE (SW)	634	1	382632 411341
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SE (SW)	658	1	382607 411337
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	658	1	382607 411337
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	686	1	383005 410954
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	701	1	382998 410941

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 <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	747	1	383958 411500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	753	1	383091 410865
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	759	1	382581 412065
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	802	1	382928 410857
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	829	1	382983 410812
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	842	1	383075 410778

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 <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	861	1	382424 412000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	892	1	384045 411957
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	914	1	382812 410785
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19NW (NE)	921	1	383768 412366
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	928	1	383354 410694
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	946	1	383297 410669

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 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	964	1	383979 411022
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	968	1	383966 411000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7SE (SW)	971	1	382739 410759
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	984	1	382950 410660
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (W)	987	1	382278 411979
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	990	1	383710 410757

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: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A8SW (S)	992	1	383032 410633
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9NE (SE)	994	1	384000 411000
138	BGS Recorded Mineral Sites Site Name: Smethurst Hall Brickworks Location: Duckworth Fold, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15316 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	189	1	383130 411800
139	BGS Recorded Mineral Sites Site Name: Broad Oak Wood Location: Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96525 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	218	1	383343 411437
140	BGS Recorded Mineral Sites Site Name: Broad Oak Location: Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96575 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NW (S)	364	1	383150 411250
141	BGS Recorded Mineral Sites Site Name: Boaredge Pottery Location: Jericho, Bury, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106051 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18SW (N)	431	1	383174 412060

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	BGS Recorded Mineral Sites Site Name: Smethurst Wood Location: Woodgate Hill, Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96574 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (E)	438	1	383658 411628
143	BGS Recorded Mineral Sites Site Name: Prettywood Location: Heady Hill, Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96527 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NW (S)	507	1	383199 411103
144	BGS Recorded Mineral Sites Site Name: Woodgate Hill Location: Woodgate Hill, Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96573 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	510	1	382770 411900
145	BGS Recorded Mineral Sites Site Name: Gallow'S Hill Quarries Location: Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15615 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SW (N)	562	1	383025 412160
146	BGS Recorded Mineral Sites Site Name: Gallows Hill Location: Jericho, Bury, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106055 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	587	1	382968 412164
147	BGS Recorded Mineral Sites Site Name: Rough Stones Location: Jericho, Bury, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106052 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	588	1	382728 411976

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	BGS Recorded Mineral Sites Site Name: Rough Stones Location: Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96516 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	635	1	382715 412035
149	BGS Recorded Mineral Sites Site Name: Malkin Location: Birtle Moor, Birtle, Rochdale, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106056 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SW (N)	640	1	382990 412230
150	BGS Recorded Mineral Sites Site Name: Rough Stones Location: Jericho, Bury, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106054 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	700	1	382678 412091
150	BGS Recorded Mineral Sites Site Name: Rough Stones Location: Jericho, Bury, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106053 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	739	1	382639 412107
151	BGS Recorded Mineral Sites Site Name: Church Location: Birtle Moor, Birtle, Rochdale, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106058 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (NW)	731	1	382920 412300
152	BGS Recorded Mineral Sites Site Name: Church Quarry Location: Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15037 Type: Opencast Status: Ceased Operator: Ardwick Plant Hire Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	757	1	382830 412285

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	BGS Recorded Mineral Sites Site Name: Church Quarry Location: Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15037 Type: Opencast Status: Ceased Operator: Ardwick Plant Hire Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	757	1	382830 412285
152	BGS Recorded Mineral Sites Site Name: Church Quarry Location: Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15037 Type: Opencast Status: Ceased Operator: Ardwick Plant Hire Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Silica Sand Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	757	1	382830 412285
152	BGS Recorded Mineral Sites Site Name: Church Quarry Location: Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15037 Type: Opencast Status: Ceased Operator: Ardwick Plant Hire Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	757	1	382830 412285
153	BGS Recorded Mineral Sites Site Name: Castle Hill Quarry Location: Castle Hill Road, Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 3823 Type: Opencast Status: Ceased Operator: D. Campbell Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	774	1	383040 412385
154	BGS Recorded Mineral Sites Site Name: Church Location: Birtle Moor, Birtle, Rochdale, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106057 Type: Opencast Status: Ceased Operator: James Greenwood Ltd. Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	796	1	382862 412345
154	BGS Recorded Mineral Sites Site Name: Castle Hill Quarry Location: Birtle Moor, Birtle, Rochdale, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106059 Type: Opencast Status: Ceased Operator: D. Campbell Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (NW)	832	1	382879 412392

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	BGS Recorded Mineral Sites Site Name: Woodgate Hill Location: Woodgate Hill, Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96571 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	870	1	382554 412208
156	BGS Recorded Mineral Sites Site Name: Boo Hole Sand Pit Location: Bury New Road, Heady Hill, Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 207368 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8SE (S)	935	1	383467 410712
157	BGS Recorded Mineral Sites Site Name: Castle Hill Location: Woodgate Hill, Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96572 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	962	1	382929 412550
158	BGS Recorded Mineral Sites Site Name: Carr Location: Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96517 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Milnrow Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19NW (N)	987	1	383560 412555
	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.	A13NW (E)	0	8	383210 411620
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (E)	0	-	383210 411620
	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	A13NW (E)	0	1	383210 411620
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	383210 411620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	383210 411620
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	383210 411620
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	77	1	383220 411534
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	206	1	383341 411450
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	220	1	383376 411462
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	243	1	383463 411636
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	383210 411620
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	206	1	383341 411450
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	383210 411620
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	145	1	383174 411770
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	206	1	383341 411450
	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 (E)	0	1	383210 411620
	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 (E)	0	1	383210 411620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
159	Contemporary Trade Directory Entries Name: Fairfield General Hospital Location: Fairfield General Hospital, Rochdale Old Road, Bury, Lancashire, BL9 7TD Classification: Hospitals Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SW (S)	33	-	383200 411578
159	Contemporary Trade Directory Entries Name: Fairfield General Hospital Location: Bury, BL9 7TD Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	47	-	383181 411570
159	Contemporary Trade Directory Entries Name: Bardoc - Fairfield General Hospital Location: BARDOC LIMITED, FAIRFIELD GENERAL HOSPITAL, ROCHDALE OLD ROAD, BURY, BL9 7TD Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	47	-	383181 411570
160	Contemporary Trade Directory Entries Name: Taybur Power Washes Location: 5, New Hall Road, Bury, Lancashire, BL9 7TQ Classification: Steam Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	193	-	383294 411806
161	Contemporary Trade Directory Entries Name: Suredeal Location: 401, Rochdale Old Road, Bury, Lancashire, BL9 7TB Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	225	-	382976 411656
162	Contemporary Trade Directory Entries Name: The Clean Queen Location: 349, Rochdale Old Road, Bury, BL9 7RX Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	368	-	382831 411615
163	Contemporary Trade Directory Entries Name: Tim Howarth Commercials Ltd Location: Smethurst Hall House, Smethurst Hall Road, Bury, Lancashire, BL9 7TP Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	410	-	383584 411807
164	Contemporary Trade Directory Entries Name: Texaco Location: Rochdale Old Road, Bury, Lancashire, BL9 7TL Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	459	-	383590 411893
164	Contemporary Trade Directory Entries Name: Texaco Location: Rochdale Old Road, Bury, Lancashire, BL9 7TL Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	460	-	383590 411895
164	Contemporary Trade Directory Entries Name: Texaco Service Station Location: 609-621, ROCHDALE OLD ROAD, BURY, BL9 7TL Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	460	-	383590 411896
164	Contemporary Trade Directory Entries Name: Hooley Bridge Service Station Location: 609-621 Rochdale Old Road, Bury, Lancashire, BL9 7TL Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	460	-	383590 411896

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	Contemporary Trade Directory Entries Name: Brightway Cleaning Ltd & Home Help Location: 313, Rochdale Old Road, Bury, Lancashire, BL9 7RZ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	473	-	382727 411591
165	Contemporary Trade Directory Entries Name: Total Location: Rochdale Old Rd, Bury, Lancashire, BL9 7RZ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	480	-	382722 411570
166	Contemporary Trade Directory Entries Name: Furniture Medic Location: 21, Lea Mount Drive, Bury, Lancashire, BL9 7RR Classification: Furniture - Repairing & Restoring Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	501	-	382703 411696
167	Contemporary Trade Directory Entries Name: Fairfield Vehicle Sales Ltd Location: Castle Hill Rd, Bury, Lancashire, BL9 7RW Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	525	-	382735 411871
168	Contemporary Trade Directory Entries Name: Healthy H2O Location: 173, Broad Oak Lane, Bury, Lancashire, BL9 7SQ Classification: Water Coolers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	532	-	382722 411387
169	Contemporary Trade Directory Entries Name: Bury Poultry Location: 8-9, Birtle Moor, Bury, BL9 6TR Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	692	-	383186 412322
170	Contemporary Trade Directory Entries Name: Rochdale Old Road Car Centre Location: 170, Rochdale Old Road, Bury, Lancashire, BL9 7RQ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	797	-	382419 411457
170	Contemporary Trade Directory Entries Name: Bullen Automotive Location: 168, Rochdale Old Road, Bury, BL9 7RQ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	804	-	382413 411454
170	Contemporary Trade Directory Entries Name: Haywood Performance Location: 168, Rochdale Old Road, Bury, Lancashire, BL9 7RQ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	804	-	382413 411454
170	Contemporary Trade Directory Entries Name: Car Sales Store Ltd Location: 168, ROCHDALE OLD ROAD, BURY, BL9 7RQ Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	804	-	382413 411454
170	Contemporary Trade Directory Entries Name: Carrs Of Bury Fairfield Garage Location: 168, Rochdale Old Road, Bury, Lancashire, BL9 7RQ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	804	-	382413 411454
170	Contemporary Trade Directory Entries Name: Fairfield Garage Location: 168, Rochdale Old Road, Bury, Lancashire, BL9 7RQ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	804	-	382413 411454

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
170	Contemporary Trade Directory Entries Name: Clover Motor Co Ltd Location: 168, Rochdale Old Road, Bury, Lancashire, BL9 7RQ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	804	-	382413 411454
171	Contemporary Trade Directory Entries Name: Melba Products Ltd Location: Bury & Rochdale Old Road, Bury, Lancashire, BL9 7UA Classification: Rubber & Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	839	-	383931 412066
172	Contemporary Trade Directory Entries Name: Alan Owen Location: Birtle Road, Bury, Lancashire, BL9 6UX Classification: Synthetic Textiles Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	856	-	383615 412387
173	Contemporary Trade Directory Entries Name: Printpack Ltd Location: Bridge Hall Mills, Bridge Hall Lane, Bury, Lancashire, BL9 7PA Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	928	-	382762 410795
174	Contemporary Trade Directory Entries Name: Kenneth Hilton Location: Bury New Rd, Heywood, Lancashire, OL10 3JY Classification: Builders' Merchants Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	989	-	383780 410802
175	Contemporary Trade Directory Entries Name: Cornerstone Developments Location: Unit 7, Brenton Business Park, Bury, Lancashire, BL9 7PE Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	991	-	382434 410988
176	Fuel Station Entries Name: Bury Service Station Location: Rochdale Old Road , , Bury, Greater Manchester, BL9 7TL Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A12SE (W)	433	-	382766 411610
177	Fuel Station Entries Name: Hooley Bridge Service Station Location: 602-621, Rochdale Old Road , , Bury, Greater Manchester, BL9 7TL Brand: Texaco Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	460	-	383590 411896
178	Fuel Station Entries Name: Prettywood Car Sales Location: Bury New Road , , Heywood, Greater Manchester, OL10 4RF Brand: Unbranded Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Located by supplier to within 10m	A8SW (S)	915	-	382993 410720
179	Points of Interest - Commercial Services Name: Prestige Hand Car Wash Location: Rochdale Old Road, Bury, BL9 7RZ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SE (W)	433	9	382766 411615
179	Points of Interest - Commercial Services Name: Prestige Hand Car Wash Location: Rochdale Old Road, Bury, BL9 7RZ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SE (W)	433	9	382766 411615

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	Points of Interest - Commercial Services Name: Glass Weld Systems Location: 21 Lea Mount Drive, Bury, BL9 7RR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (W)	501	9	382703 411696
181	Points of Interest - Commercial Services Name: Pitched Up Location: 67 Fourth Avenue, Bury, BL9 7RH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NE (W)	601	9	382599 411667
182	Points of Interest - Commercial Services Name: Bury Poultry Location: Birtle Moor 8-9, Church Road, Heywood, BL9 6TR Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NW (N)	692	9	383186 412322
183	Points of Interest - Commercial Services Name: Bullen Automotive Location: Rochdale Old Road, Bury, BL9 7RQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	825	9	382394 411441
184	Points of Interest - Education and Health Name: Fairfield General Hospital Location: Roch House Fairfield General Hospital, Rochdale Old Road, Bury, BL9 7TD Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A13SW (W)	15	9	383185 411619
184	Points of Interest - Education and Health Name: Fairfield General Hospital Location: Fairfield General Hospital, Rochdale Old Road, Bury, BL9 7TD Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A13SW (S)	32	9	383200 411579
184	Points of Interest - Education and Health Name: Fairfield General Hospital (Mental Health Services) Location: Fairfield General Hospital, Rochdale Old Road, Bury, BL9 7TD Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SW (S)	32	9	383200 411579
184	Points of Interest - Education and Health Name: Fairfield General Hospital Location: Fairfield General Hospital, Rochdale Old Road, Bury, BL9 7TD Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SW (S)	32	9	383200 411579
184	Points of Interest - Education and Health Name: Fairfield General Hospital Location: Fairfield General Hospital, Rochdale Old Road, Bury, BL9 7TD Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SW (S)	33	9	383200 411578
184	Points of Interest - Education and Health Name: Fairfield General Hospital Location: Fairfield General Hospital, Rochdale Old Road, Bury, BL9 7TD Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SW (S)	33	9	383200 411578
184	Points of Interest - Education and Health Name: Fairfield Hospital Location: Rochdale Old Road, Bury, BL9 7TD Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SW (SW)	47	9	383181 411570
184	Points of Interest - Education and Health Name: Fairfield General Hospital Location: Fairfield General Hospital, Rochdale Old Road, Bury, BL9 7TD Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SW (SW)	48	9	383181 411569

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
185	Points of Interest - Education and Health Name: Fairfield General Hospital Location: Rochdale Old Road, Bury, BL9 7RQ Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12SW (W)	804	9	382413 411454
186	Points of Interest - Manufacturing and Production Name: Smethurst Hall Cat Hotel Location: 2 Riders Gate, Bury, BL9 7RD Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A14NW (E)	457	9	383673 411682
186	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14SW (E)	473	9	383693 411619
187	Points of Interest - Manufacturing and Production Name: S G Robinson Location: Summit Street, Heywood, OL10 4RJ Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A14SW (SE)	499	9	383623 411322
187	Points of Interest - Manufacturing and Production Name: D C Robinson Location: Lower Lomax Farm, Summit Street, Heywood, OL10 4RJ Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A14SW (SE)	499	9	383623 411322
188	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	586	9	383061 411042
188	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8NW (S)	631	9	383010 411010
189	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NW (E)	598	9	383808 411728
190	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	695	9	382993 412290
191	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (SW)	733	9	382921 410935
191	Points of Interest - Manufacturing and Production Name: Works Location: BL9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A8SW (SW)	737	9	382897 410941
192	Points of Interest - Manufacturing and Production Name: Castle Hill Quarry Location: BL9 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	787	9	382917 412360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
192	Points of Interest - Manufacturing and Production Name: Castle Hill Quarry Location: BL9 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	787	9	382958 412375
192	Points of Interest - Manufacturing and Production Name: Castle Hill Quarry Location: BL9 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	791	9	382971 412384
192	Points of Interest - Manufacturing and Production Name: Castle Hill Quarry Location: BL9 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	795	9	382971 412388
193	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	821	9	383922 412045
193	Points of Interest - Manufacturing and Production Name: Works Location: BL9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A19SE (NE)	846	9	383939 412066
194	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	847	9	383636 412365
194	Points of Interest - Manufacturing and Production Name: Works Location: BL9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	847	9	383635 412366
195	Points of Interest - Manufacturing and Production Name: Factory Location: BL9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	887	9	382312 411625
196	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A7SE (SW)	902	9	382771 410820
196	Points of Interest - Manufacturing and Production Name: Bridge Hall Works Location: BL9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A7SE (SW)	919	9	382774 410799
196	Points of Interest - Manufacturing and Production Name: Bridge Hall Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	952	9	382770 410764
196	Points of Interest - Manufacturing and Production Name: Factory Location: BL9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	953	9	382811 410743

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	Points of Interest - Manufacturing and Production Name: A Cleasby Ltd Location: Lower Tack Lea Farm, Bury & Rochdale Old Road, Bury, BL9 6UY Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A19SE (NE)	912	9	383919 412209
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	923	9	382942 410726
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	925	9	382935 410726
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	927	9	382927 410726
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	931	9	382917 410725
198	Points of Interest - Manufacturing and Production Name: Tanks Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	945	9	382927 410707
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	954	9	382916 410701
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	955	9	382907 410703
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	963	9	382934 410686
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	963	9	382924 410689
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	965	9	382913 410691
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	966	9	382904 410692

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	971	9	382932 410678
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	973	9	382912 410682
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	974	9	382921 410679
198	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SW (S)	976	9	382901 410683
198	Points of Interest - Manufacturing and Production Name: Tanks Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7SE (S)	980	9	382847 410698
199	Points of Interest - Public Infrastructure Name: Weir Location: BL9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	361	9	383309 411264
199	Points of Interest - Public Infrastructure Name: Weir Location: BL9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	362	9	383313 411265
200	Points of Interest - Public Infrastructure Name: Weirs Location: BL9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	378	9	382933 411348
201	Points of Interest - Public Infrastructure Name: Texaco Service Station Location: 609-621 Rochdale Old Road, Bury, BL9 7TL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (NE)	460	9	383590 411896
201	Points of Interest - Public Infrastructure Name: Hooley Bridge Service Station Location: 609-621 Rochdale Old Road, Bury, BL9 7TL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (NE)	460	9	383590 411896
201	Points of Interest - Public Infrastructure Name: Hooley Bridge Service Station Location: 609-621 Rochdale Old Road, Bury, BL9 7TL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (NE)	460	9	383590 411896
201	Points of Interest - Public Infrastructure Name: Hooley Bridge Service Station Location: 621 Rochdale Old Road, Bury, BL9 7TL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (NE)	461	9	383590 411896

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
202	Points of Interest - Public Infrastructure Name: Sluice Location: BL9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	576	9	382770 411234
202	Points of Interest - Public Infrastructure Name: Sluice Location: BL9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	578	9	382781 411218
202	Points of Interest - Public Infrastructure Name: Sluice Location: BL9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	582	9	382776 411217
203	Points of Interest - Public Infrastructure Name: Refuse Tip Location: BL9 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	584	9	383797 411526
203	Points of Interest - Public Infrastructure Name: Refuse Tip Location: BL9 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	584	9	383797 411526
204	Points of Interest - Public Infrastructure Name: Tip Location: BL9 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	617	9	383082 411006
204	Points of Interest - Public Infrastructure Name: Weir Location: BL9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	673	9	383001 410969
204	Points of Interest - Public Infrastructure Name: Weir Location: BL9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	682	9	382996 410961
205	Points of Interest - Public Infrastructure Name: Filter Beds Location: BL9 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	799	9	383691 412271
206	Points of Interest - Public Infrastructure Name: Tip Location: BL9 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	813	9	383094 410805
206	Points of Interest - Public Infrastructure Name: Tip Location: BL9 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	814	9	383092 410804
207	Points of Interest - Public Infrastructure Name: Weirs Location: BL9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	975	9	383486 412567

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	Points of Interest - Public Infrastructure Name: Weirs Location: BL9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	977	9	383482 412570
208	Points of Interest - Public Infrastructure Name: Hole Bottom Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	982	9	382221 411714
208	Points of Interest - Public Infrastructure Name: Hole Bottom Cemetery Location: BL9 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	983	9	382220 411712
209	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	A7NE (SW)	851	9	382642 410973
209	Points of Interest - Recreational and Environmental Name: Playground Location: Bridgefield Drive, BL9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	851	9	382642 410973

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
210	Ancient Woodland Name: Not Supplied Reference: 1415965 Area(m²): 17681.71 Type: Ancient and Semi-Natural Woodland	A14SE (E)	773	10	383983 411493
211	Ancient Woodland Name: Not Supplied Reference: 1415967 Area(m²): 68643.35 Type: Ancient and Semi-Natural Woodland	A14NE (NE)	829	10	383983 411943
212	Areas of Adopted Green Belt Authority: Bury Metropolitan Borough Council Plan Name: Bury Unitary Development Plan Status: Adopted Plan Date: 29th August 1997	A13SE (S)	174	7	383214 411436
213	Areas of Adopted Green Belt Authority: Bury Metropolitan Borough Council Plan Name: Bury Unitary Development Plan Status: Adopted Plan Date: 29th August 1997	A13NW (NW)	235	7	383037 411794
214	Areas of Adopted Green Belt Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan Status: Adopted Plan Date: 30th June 2006	A13SE (SE)	329	11	383447 411379

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Manchester City Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department	November 2023 October 2017 October 2017 October 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update Annually Annual Rolling Update
Discharge Consents Environment Agency - North West Region	October 2024	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	
Integrated Pollution Controls Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North West Region	October 2024	Quarterly
Local Authority Integrated Pollution Prevention And Control Bury Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department	February 2015 July 2014 May 2016 September 2014	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Bury Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department	February 2015 July 2014 May 2016 September 2014	Not Applicable Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Bury Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department	February 2015 July 2014 May 2016 September 2014	Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	February 2025	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	
Historical Prosecutions Environment Agency, North West Region	March 2013	Not Applicable
Registered Radioactive Substances Environment Agency - Head Office Environment Agency - North West Region	May 2023 May 2023	
Substantiated Pollution Incident Register Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	October 2024 October 2024 October 2024	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - North West Region	October 2024	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	January 2025	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Environment Agency - Head Office	July 2024	Annually
Water Framework Directive - Groundwater Environment Agency - Head Office	July 2024	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	October 2024	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	November 2024 November 2024 November 2024	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	October 2024 October 2024 October 2024	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Bury Metropolitan Borough Council Lancashire County Council - Waste Management Group Manchester City Council - Planning Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Bury Metropolitan Borough Council Lancashire County Council - Waste Management Group Manchester City Council - Planning Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	March 2006 March 2006 March 2006	Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	April 2018 April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	June 2015 June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	September 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lancashire County Council Bury Metropolitan Borough Council Manchester City Council - Planning Department Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	April 2023 February 2016 February 2016 May 2023 May 2023	Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Bury Metropolitan Borough Council Lancashire County Council Manchester City Council - Planning Department Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2016 February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2025	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	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	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	November 2024	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2024	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	December 2024	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	December 2024	Quarterly
Points of Interest - Commercial Services PointX	March 2025	Quarterly
Points of Interest - Education and Health PointX	March 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2025	Quarterly
Points of Interest - Public Infrastructure PointX	March 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	March 2025	Bi-Annually
Areas of Adopted Green Belt Bury Metropolitan Borough Council Manchester City Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	July 2024 July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Bury Metropolitan Borough Council Manchester City Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	July 2024 July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	November 2024	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	March 2025	Bi-Annually
Marine Nature Reserves Natural England	February 2025	Bi-Annually
National Nature Reserves Natural England	January 2025	Bi-Annually
National Parks Natural England	September 2024	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 November 2024	Annually
Ramsar Sites Natural England	February 2025	Bi-Annually
Sites of Special Scientific Interest Natural England	November 2024	Bi-Annually
Special Areas of Conservation Natural England	January 2025	Bi-Annually
Special Protection Areas Natural England	November 2024	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

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	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
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Bury Metropolitan Borough Council - Environmental Health Department 3 Knowsley Place, Duke Street, Bury, Lancashire, BL9 0EJ	Telephone: 0161 253 5000 Fax: 0161 253 5563 Website: www.bury.gov.uk
5	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
6	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.co.uk
7	Bury Metropolitan Borough Council Craig House, Bank Street, Bury, Lancashire, BL9 0DN	Telephone: 0161 253 5000 Fax: 0161 705 5290 Website: www.bury.gov.uk
8	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
9	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
11	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
12	Rossendale Borough Council - Planning Department Town Hall, Rawtenstall, Lancashire, BB4 7LZ	Telephone: 01706 217777 Fax: 01706 224958 Website: www.rossendale.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk

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

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Not Supplied - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	HMGDD	Hummocky (Moundy) Glacial Deposits, Devensian	Diamicton	Not Supplied - Devensian
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Not Supplied - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WH	Woodhead Hill Rock	Sandstone	Not Supplied - Westphalian
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	GAS	Great Arc Sandstone	Sandstone	Not Supplied - Westphalian
	PLCM	Pennine Lower Coal Measures Formation	Sandstone	Not Supplied - Westphalian
	HER	Helpet Edge Rock	Sandstone	Not Supplied - Westphalian
	MLRS	Milnrow Sandstone	Sandstone	Not Supplied - Westphalian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	DF	Darwen Flags	Sandstone	Not Supplied - Westphalian
	OL	Old Lawrence Rock	Sandstone	Not Supplied - Westphalian
	RSC	Riddle Scout Rock	Sandstone	Not Supplied - Westphalian
	ROSSE	Rosendale Formation	Mudstone and Siltstone	Not Supplied - Namurian
	RR	Rough Rock	Sandstone	Not Supplied - Namurian
	UH	Upper Haslingden Flags	Sandstone	Not Supplied - Namurian
		Rock Segments		
		Faults		

Curtins

Geology 1:50,000 Maps

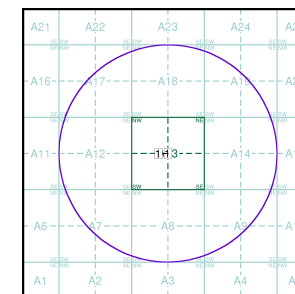
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID: 1
Map Sheet No: 085
Map Name: Manchester
Map Date: 2010
Bedrock Geology: Available
Superficial Geology: Not Available
Artificial Geology: Not Available
Faults: Not Supplied
Landslip: Not Available
Rock Segments: Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

Order Number: 374880608_1_1
Customer Reference: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details:

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

Landmark
INFORMATION GROUP

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

Artificial Ground and Landslip

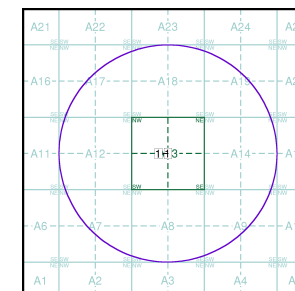
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A

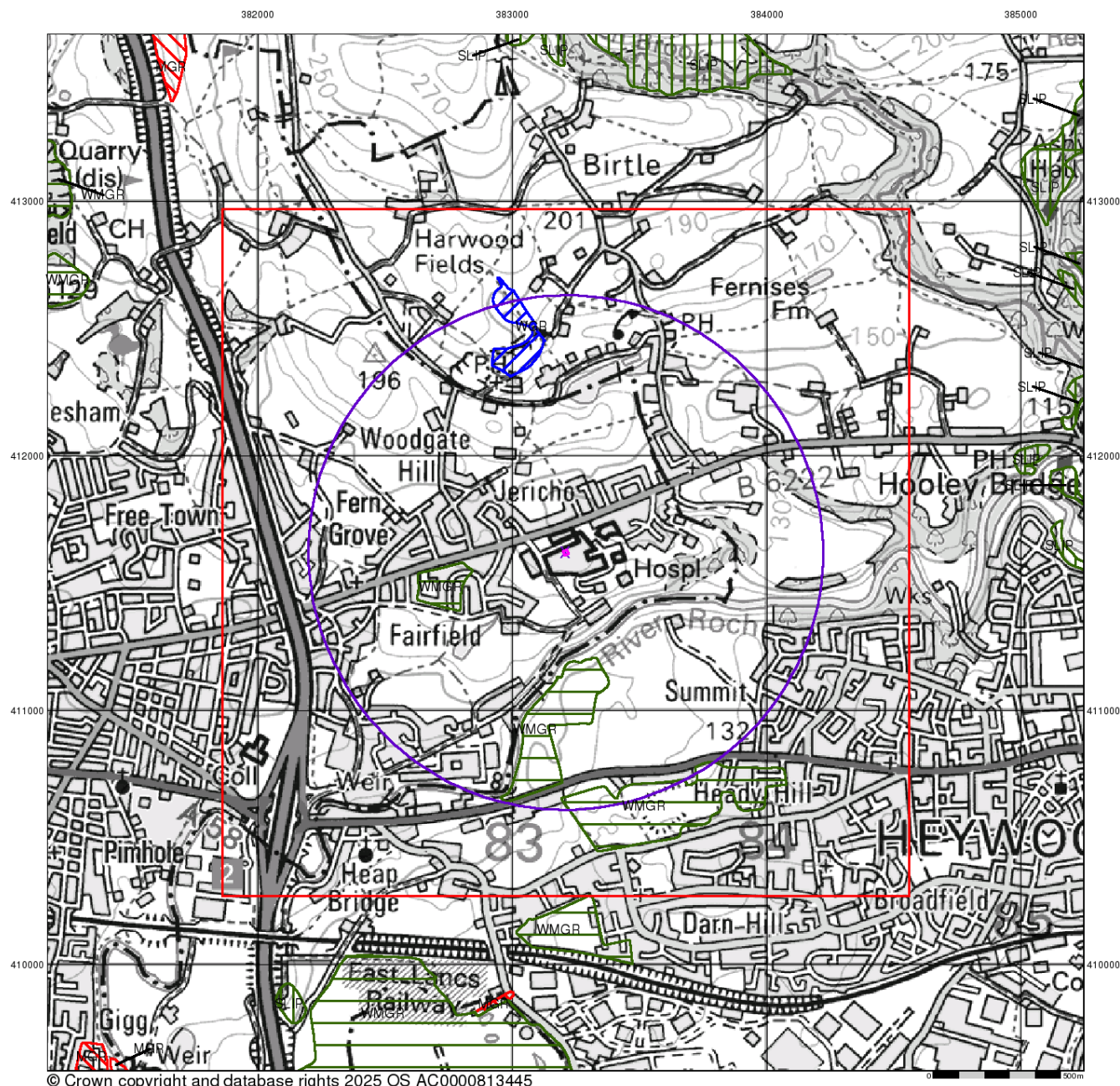


Order Details:

Order Number: 374880608_1_1
 Customer Reference: 086745 Bury ED
 National Grid Reference: 383210, 411620
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details:

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



Curtins

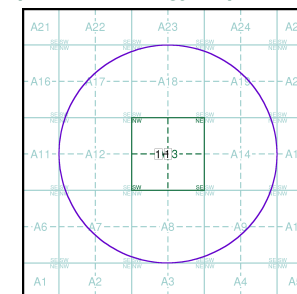
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

Order Number: 374880608_1_1
Customer Reference: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details:

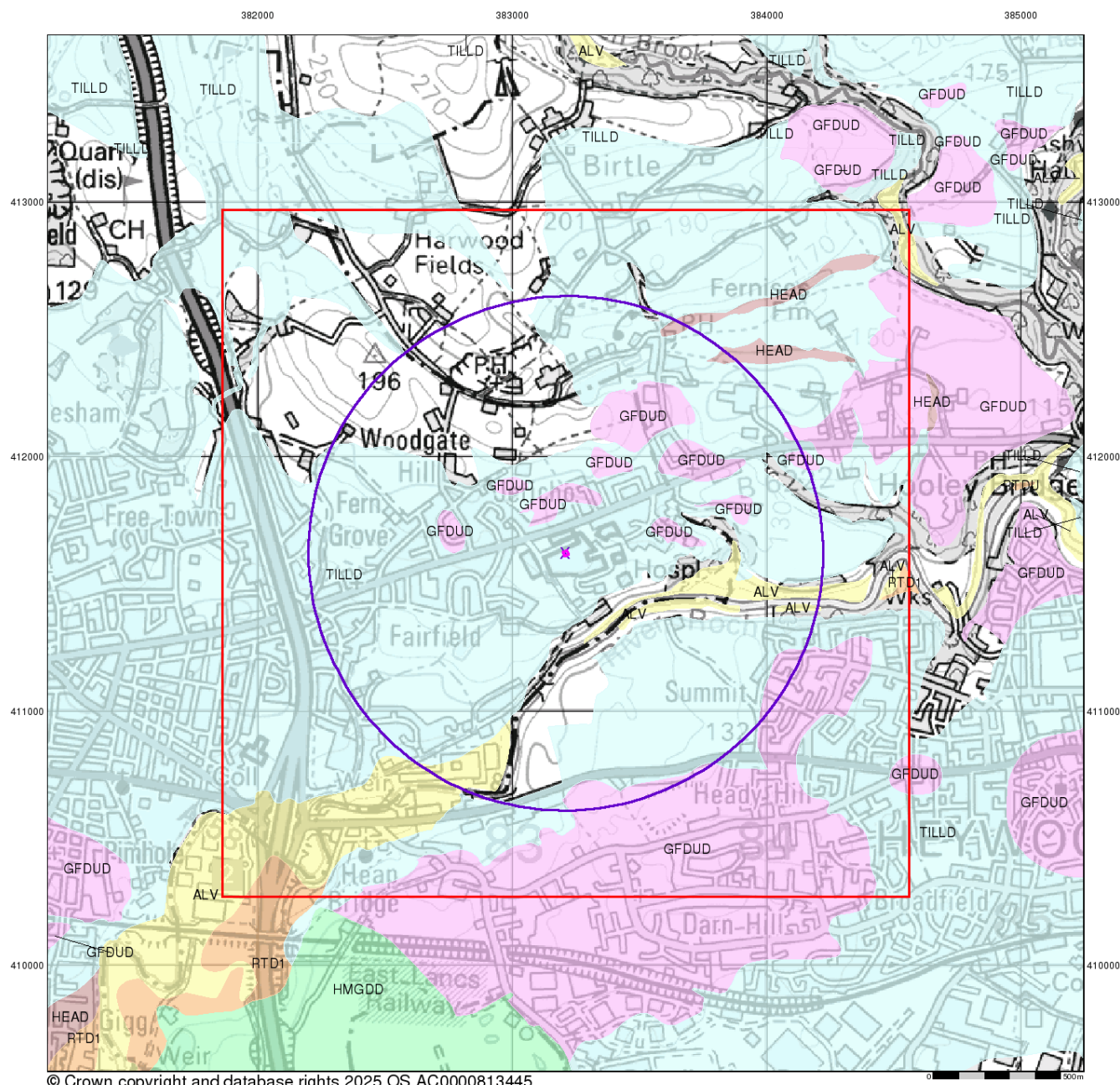
Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

Landmark
INFORMATION GROUP

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

v15.0 17-Apr-2025

Page 3 of 5



© Crown copyright and database rights 2025 OS AC0000813445

Curtins

Bedrock and Faults

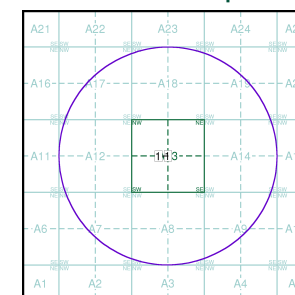
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

Order Number: 374880608_1_1
Customer Reference: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details:

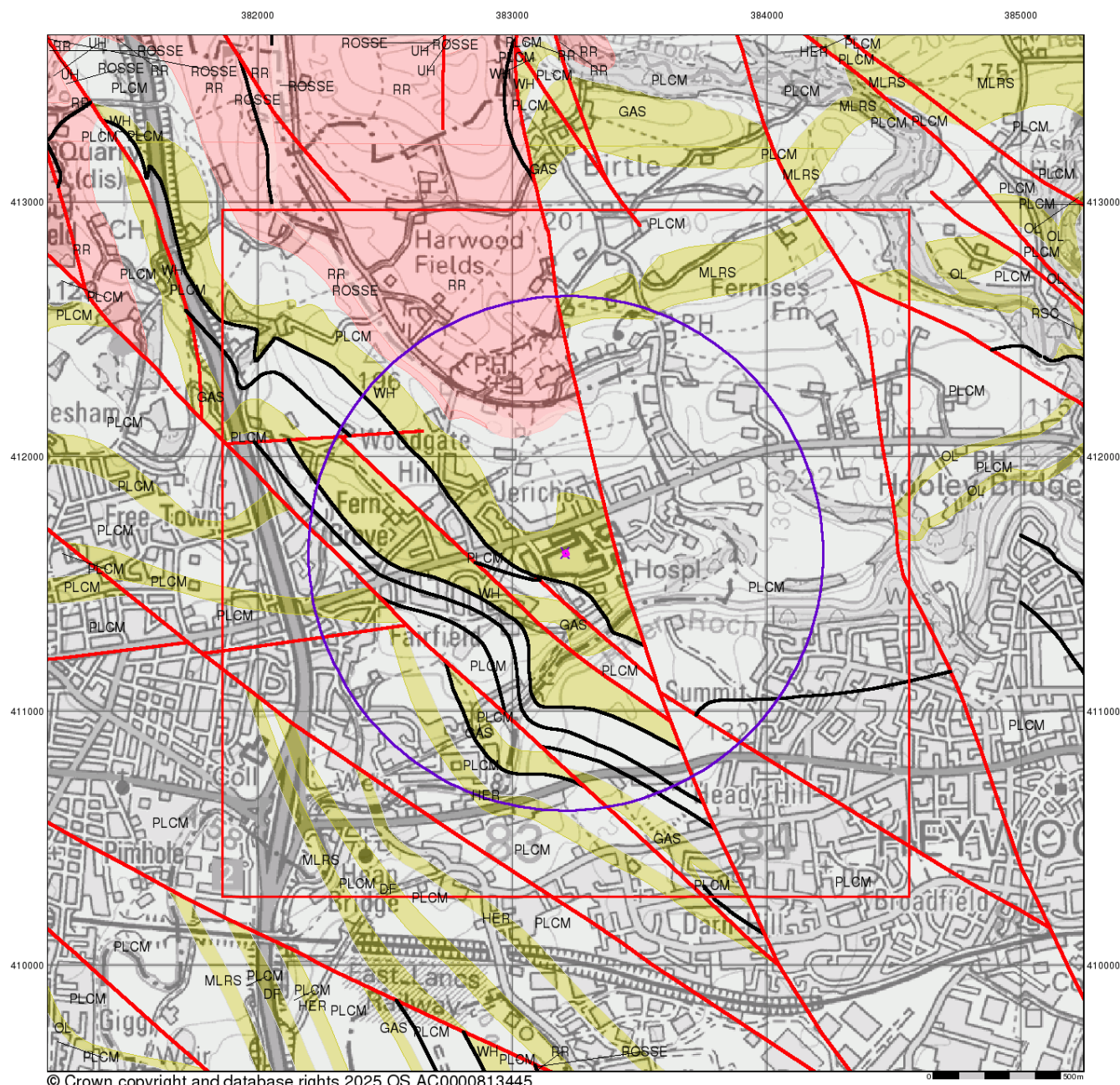
Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL7 7TD

Landmark
INFORMATION GROUP

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

v15.0 17-Apr-2025

Page 4 of 5



© Crown copyright and database rights 2025 OS AC0000813445

Combined Surface Geology

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

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

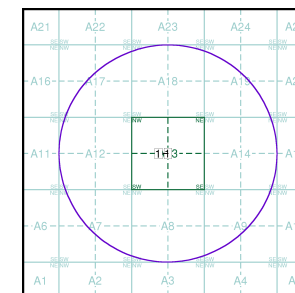
Additional Information

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

Contact

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

Combined Geology Map - Slice A

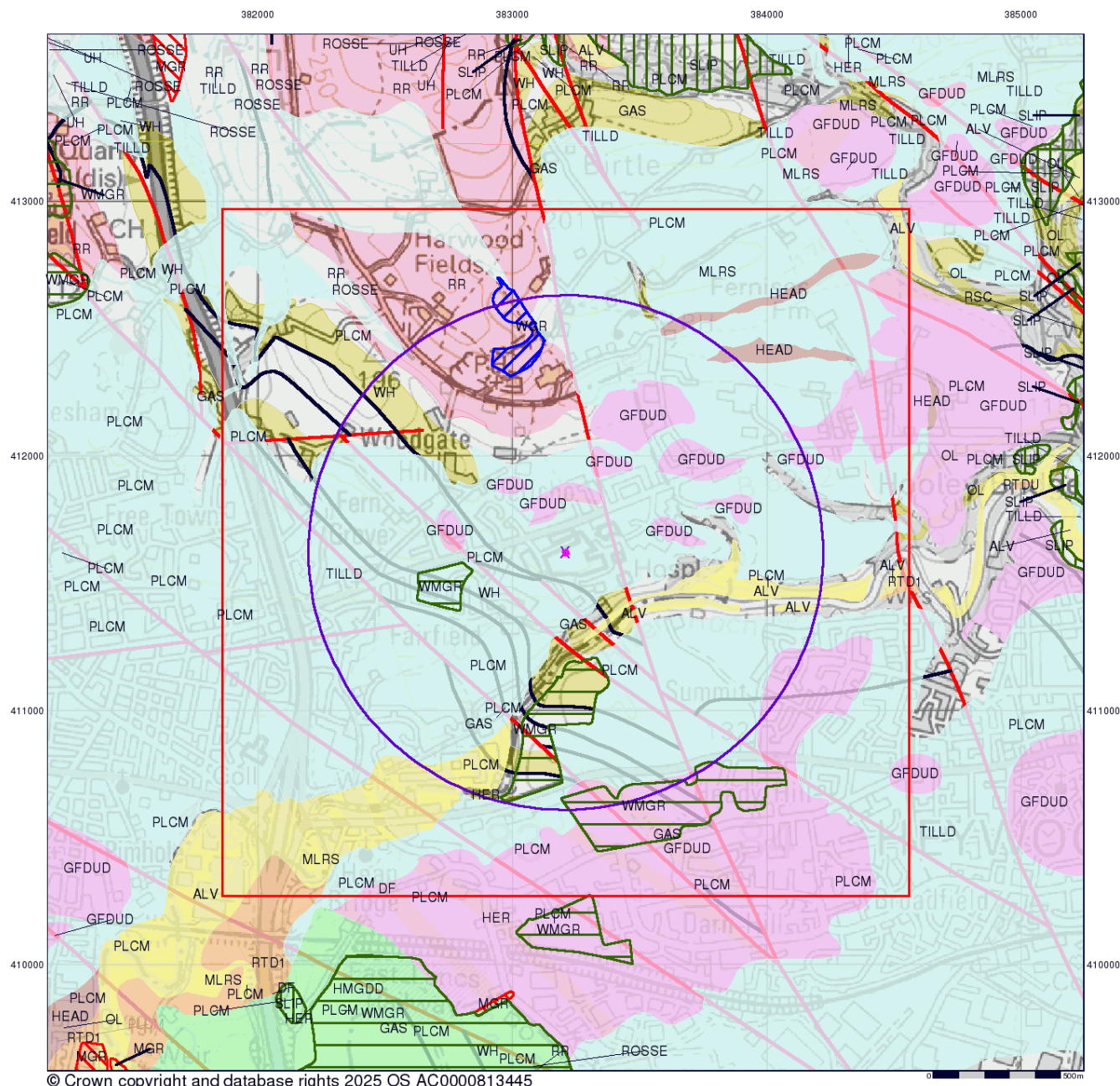


Order Details:

Order Number: 374880608_1_1
Customer Reference: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details:

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital,
Rochdale Old Road, BURY, BL9 7TD



Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit

Sand Pit

Other Pits

Quarry

Shingle

Orchard

Osiers

Reeds

Marsh

Mixed Wood

Deciduous

Brushwood

Fir

Furze

Rough Pasture

Arrow denotes flow of water

Trigonometrical Station

Site of Antiquities

Bench Mark

Pump, Guide Post, Signal Post

Well, Spring, Boundary Post

-285 Surface Level

Sketched Contour

Instrumental Contour

Main Roads

Fenced

Minor Roads

Fenced

Un-Fenced

Sunken Road

Raised Road

Road over Railway

Railway over River

Railway over Road

Level Crossing

Road over River or Canal

Road over Stream

Road over Stream

County Boundary (Geographical)

County & Civil Parish Boundary

Administrative County & Civil Parish Boundary

County Borough Boundary (England)

County Borough Boundary (Scotland)

Rural District Boundary

Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry

Gravel Pit

Sand Pit

Disused Pit or Quarry

Refuse or Slag Heap

Lake, Loch or Pond

Dunes

Boulders

Coniferous Trees

Non-Coniferous Trees

Orchard

Scrub

Coppice

Bracken

Heath

Rough Grassland

Marsh

Reeds

Saltings

Building

Glasshouse

Direction of Flow of Water

Shingle

Sand

Sloping Masonry

Pylon

Electricity Transmission Line

Pole

Cutting

Embankment

Standard Gauge Multiple Track

Standard Gauge Single Track

Siding, Tramway or Mineral Line

Narrow Gauge

Geographical County

Administrative County, County Borough or County of City

Municipal Borough, Urban or Rural District, Burgh or District Council

Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries

Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS

Ch

CH

F E Sta

FB

Fn

GP

MP

MS

Boundary Post or Stone

Church

Club House

Fire Engine Station

Foot Bridge

Fountain

Guide Post

Mile Post

Mile Stone

Pol Sta

PO

PC

PH

SB

SB

Spr

TCB

TCP

W

Police Station

Post Office

Public Convenience

Public House

Signal Box

Spring

Telephone Call Box

Telephone Call Post

Well

1:10,000 Raster Mapping

Gravel Pit

Refuse tip or slag heap

Rock

Rock (scattered)

Boulders

Boulders (scattered)

Shingle

Mud

Sand

Sand Pit

Slopes

Top of cliff

General detail

Underground detail

Overhead detail

Narrow gauge railway

Multi-track railway

Single track railway

County boundary (England only)

Civil, parish or community boundary

District, Unitary, Metropolitan, London Borough boundary

Constituency boundary

Area of wooded vegetation

Non-coniferous trees

Non-coniferous trees (scattered)

Coniferous trees

Coniferous trees (scattered)

Positioned tree

Orchard

Coppice or Osiers

Rough Grassland

Heath

Scrub

Marsh, Salt Marsh or Reeds

Water feature

Flow arrows

MHW(S)

Mean high water (springs)

MLW(S)

Mean low water (springs)

Telephone line (where shown)

Electricity transmission line (with poles)

Bench mark (where shown)

Triangulation station

Point feature (e.g. Guide Post or Mile Stone)

Pylon, flare stack or lighting tower

Site of (antiquity)

Glasshouse

General Building

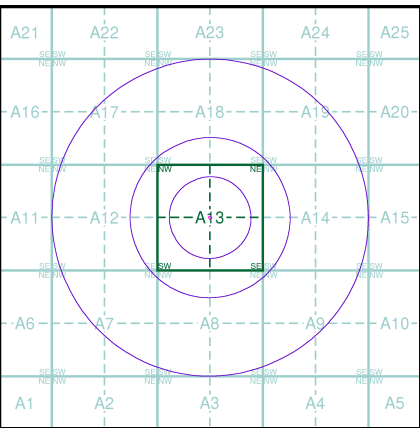
Important Building

Curtins

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	1910 - 1911	5
Lancashire And Furness	1:10,560	1931 - 1932	6
Lancashire And Furness	1:10,560	1938 - 1939	7
Ordnance Survey Plan	1:10,000	1956	8
Ordnance Survey Plan	1:10,000	1967	9
Manchester	1:25,000	1975	10
Ordnance Survey Plan	1:10,000	1984	11
10K Raster Mapping	1:10,000	1999	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2024	14

Historical Map - Slice A



Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



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

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0.2 Velocity of the current, width of river bed, depth of river

180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

Factory or Mill Chimney Factory or Mill with Chimney Factory or Mill without Chimney Mine or Open Pit Mine

Operating Shaft or Mine Non-Operating Shaft or Mine Salt Mine Tailings Pile

Pit Stone Quarry Gas Pump or Service Station Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick Small Hydroelectric Power Station Power Station Transformer Station

Cemetery Burial Mound (height in metres) Triangulation Point on Burial Mound Triangulation Point

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

Telegraph/Telephone Lines Main Highway Highway under Construction Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station Dismantled Railroad Railroad Under Construction

Shore Embankment River or Ditch with Embankment Direction and velocity of current Water Gauge Water Level Mark

Well Water Reservoir or Rain Water Pit Spring Isobath with value

Heavy (Index) Contour Line Contour Line and Value Half Contour Line Spot Elevation Value

Coniferous Deciduous Mixed Scrub

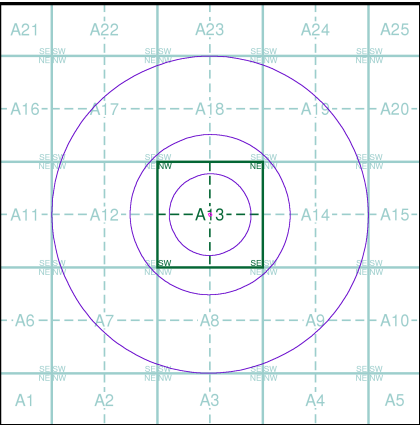
Key to Numbers on Mapping

Curtins

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	1910 - 1911	5
Lancashire And Furness	1:10,560	1931 - 1932	6
Lancashire And Furness	1:10,560	1938 - 1939	7
Ordnance Survey Plan	1:10,000	1956	8
Ordnance Survey Plan	1:10,000	1967	9
Manchester	1:25,000	1975	10
Ordnance Survey Plan	1:10,000	1984	11
10K Raster Mapping	1:10,000	1999	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2024	14

Russian Map - Slice A



Order Details

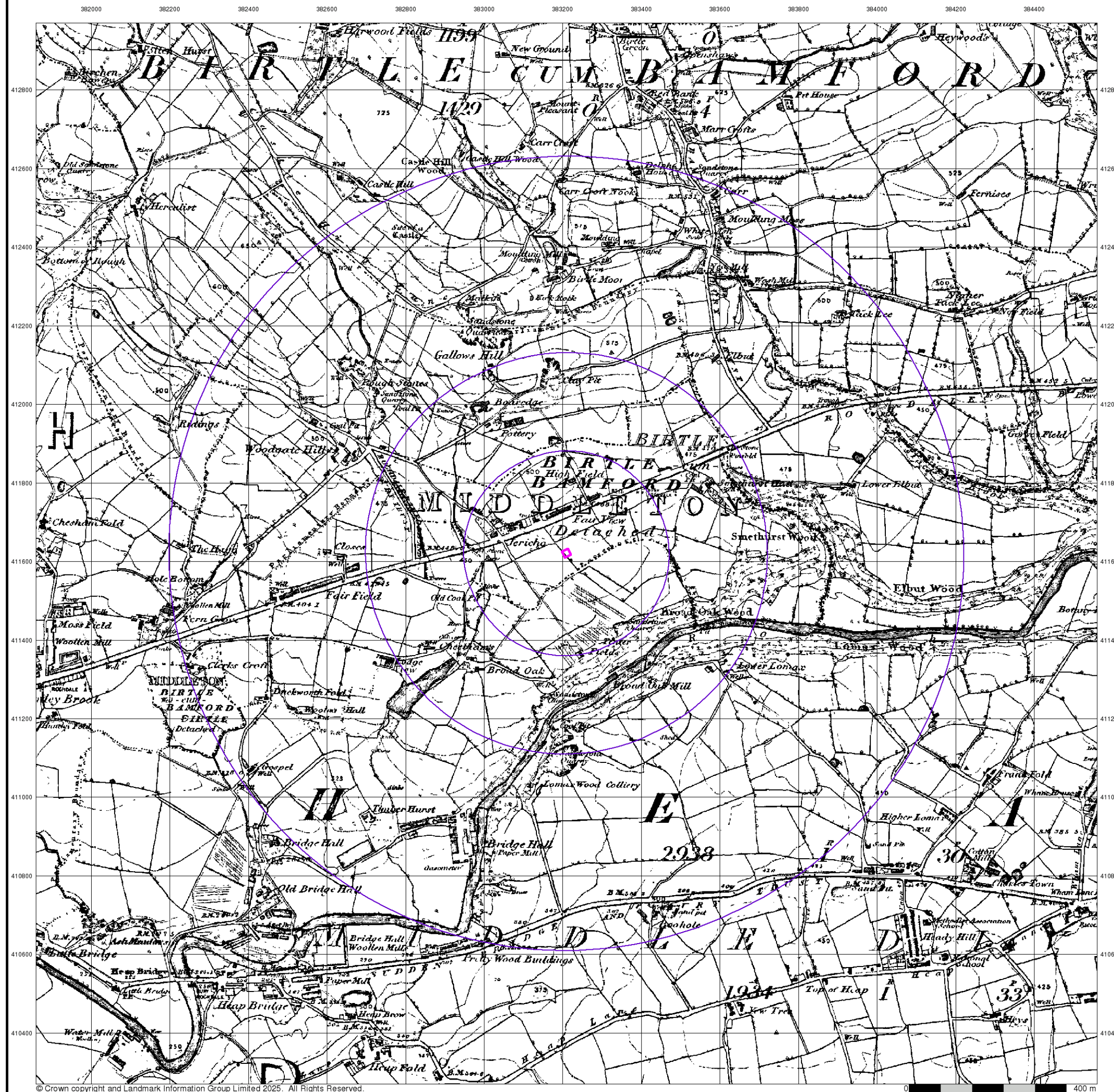
Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

Landmark
INFORMATION GROUP

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

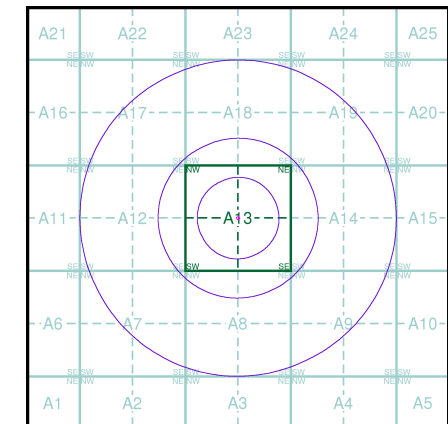


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

088NW 1894 1:10,560	088NE 1894 1:10,560
088SW 1894 1:10,560	088SE 1894 1:10,560

Historical Map - Slice A

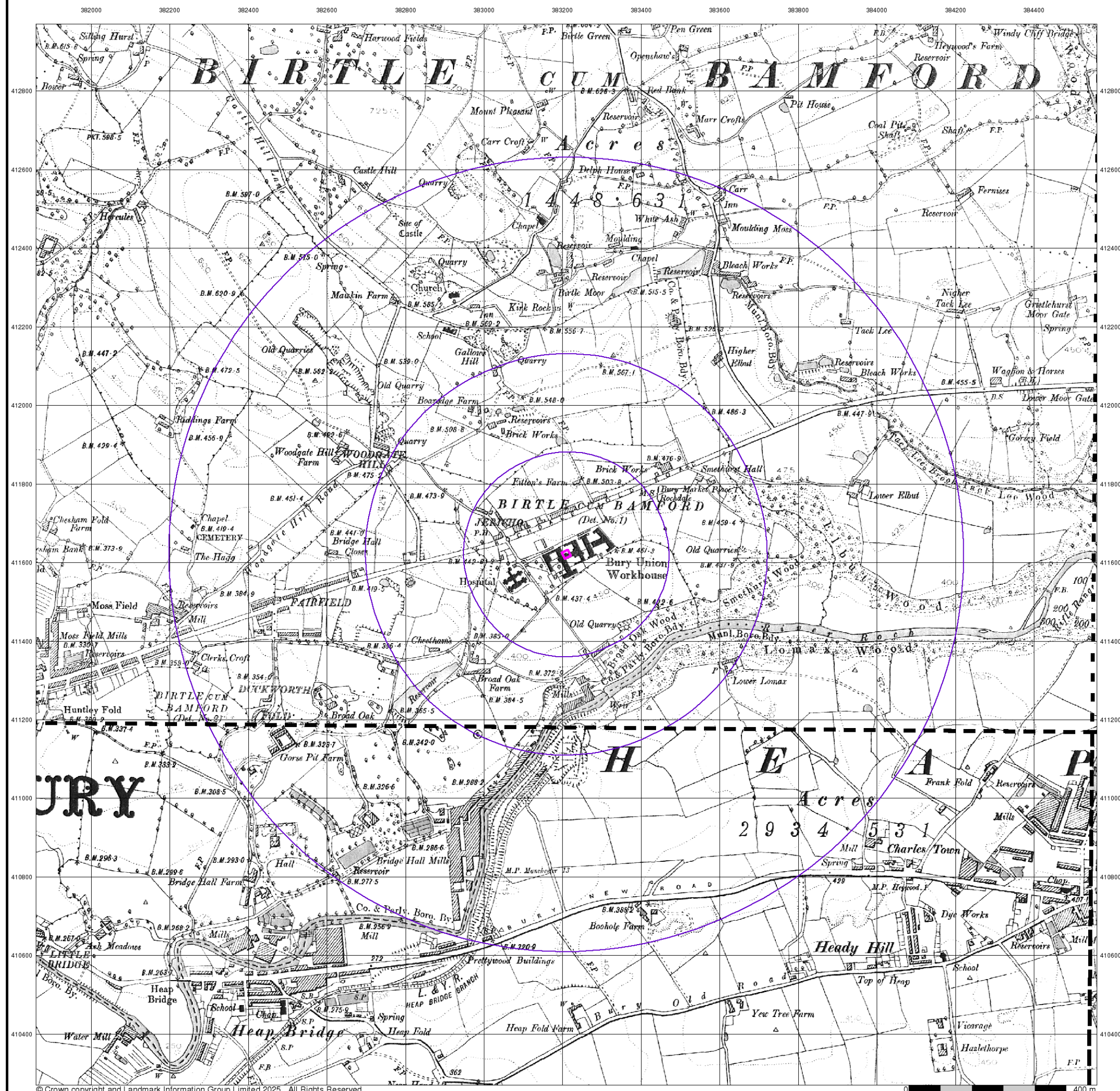


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



Lancashire And Furness

Published 1910 - 1911

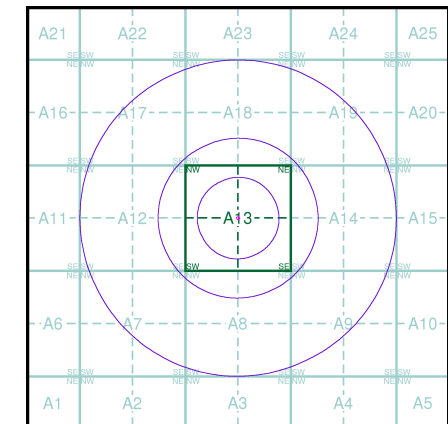
Source map scale - 1:10,560

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.

Map Name(s) and Date(s)

088NW 1911 1:10,560	088NE 1911 1:10,560
088SW 1910 1:10,560	088SE 1910 1:10,560

Historical Map - Slice A

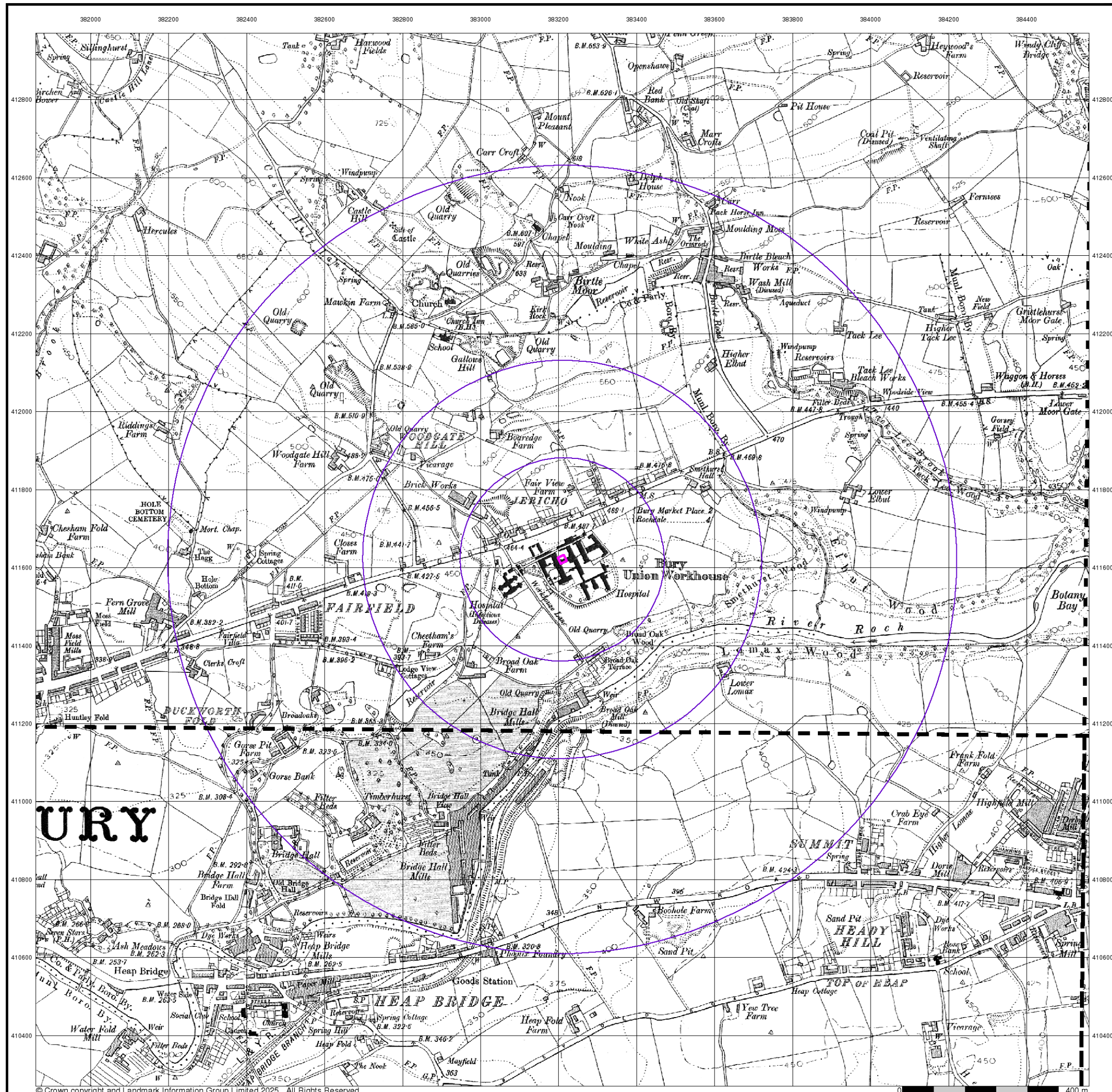


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



Lancashire And Furness

Published 1931 - 1932

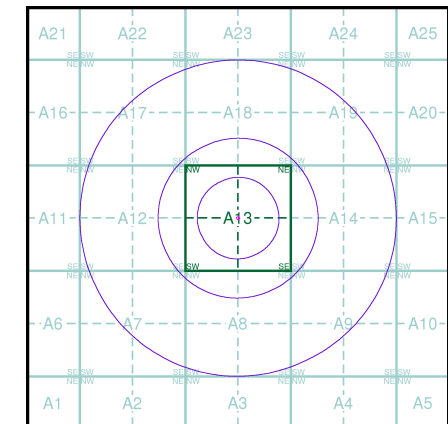
Source map scale - 1:10,560

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)

088NW 1931 1:10,560	088NE 1932 1:10,560
088SW 1931 1:10,560	088SE 1932 1:10,560

Historical Map - Slice A

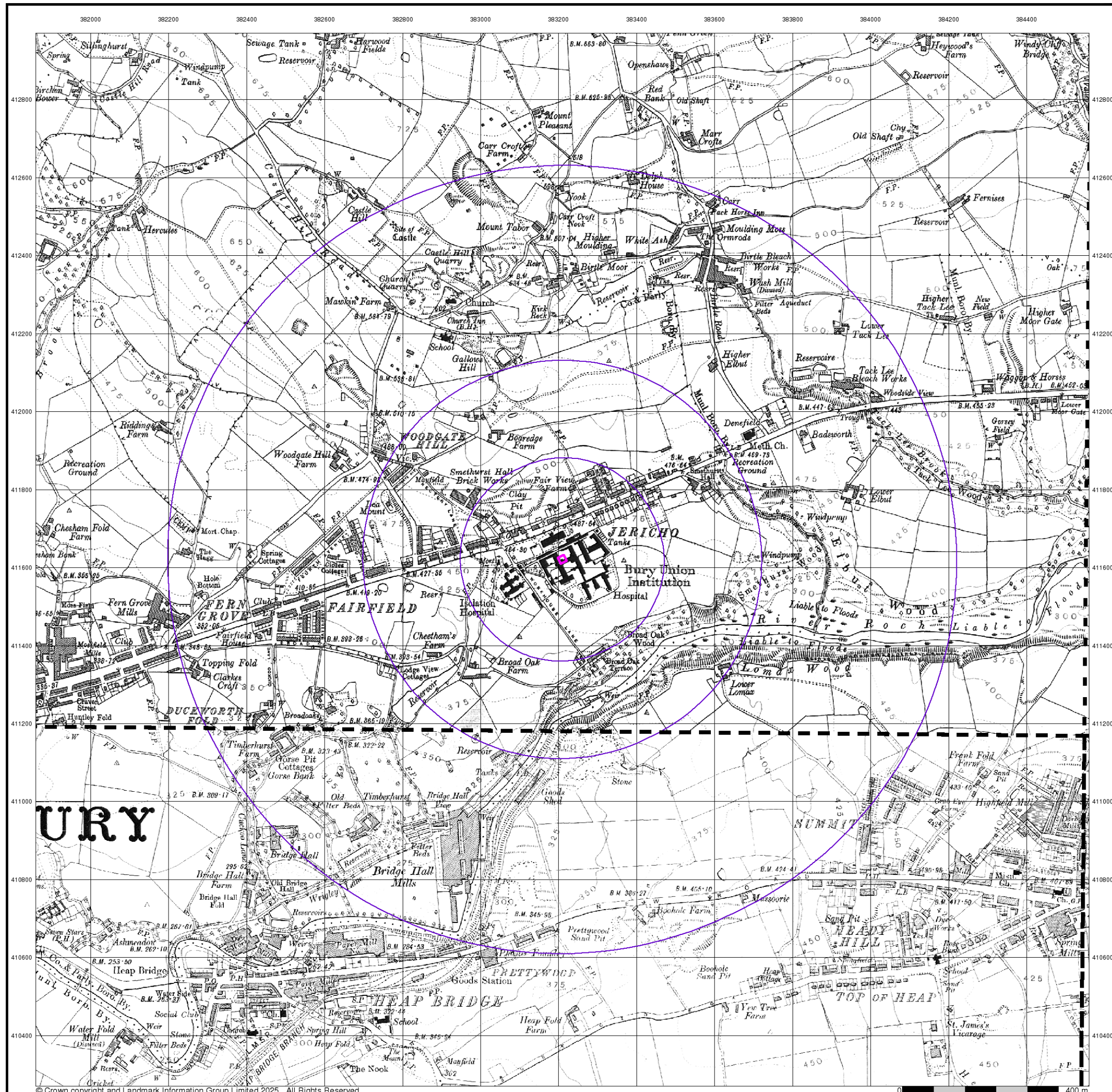


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



Lancashire And Furness

Published 1938 - 1939

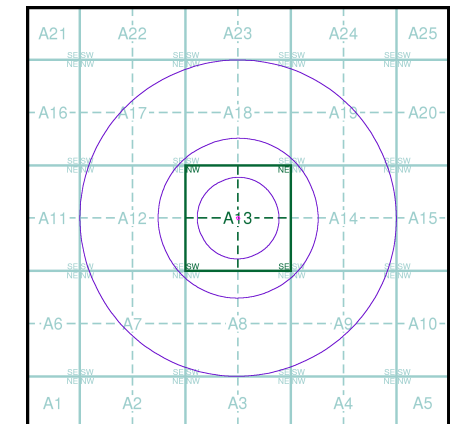
Source map scale - 1:10,560

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)

088NW 1939 1:10,560	088NE 1938 1:10,560
088SW 1938 1:10,560	088SE 1938 1:10,560

Historical Map - Slice A

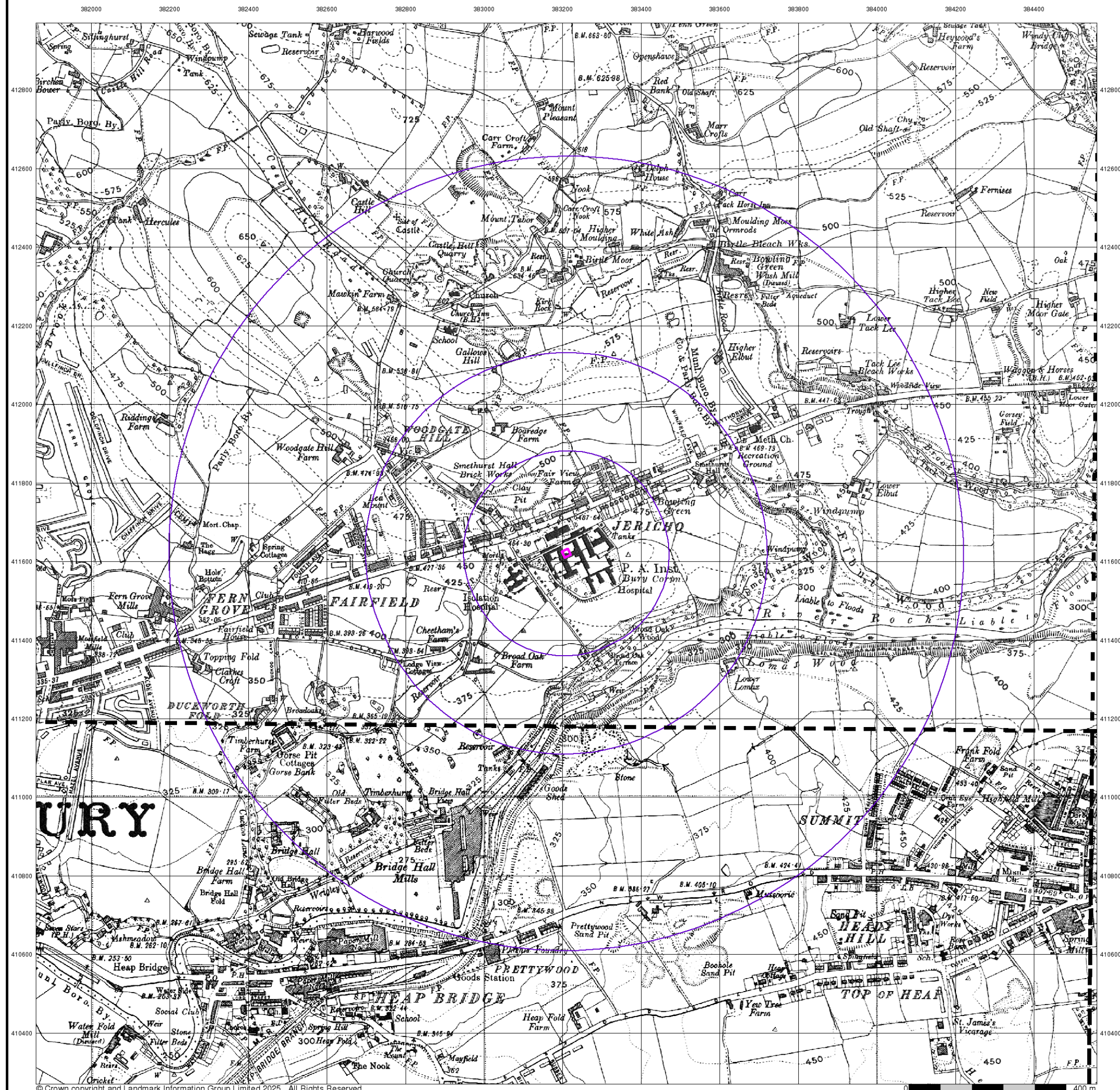


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



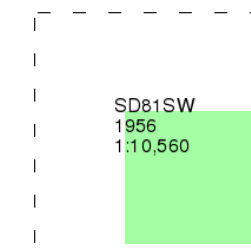
Ordnance Survey Plan

Published 1956

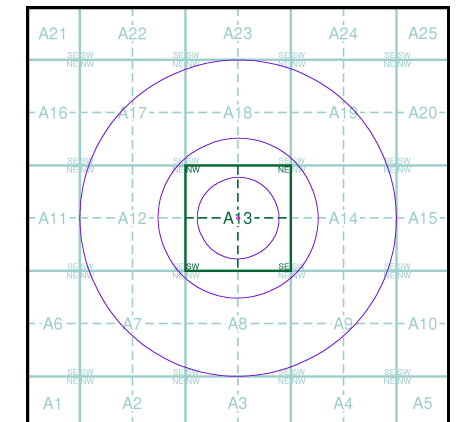
Source map scale - 1:10,000

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

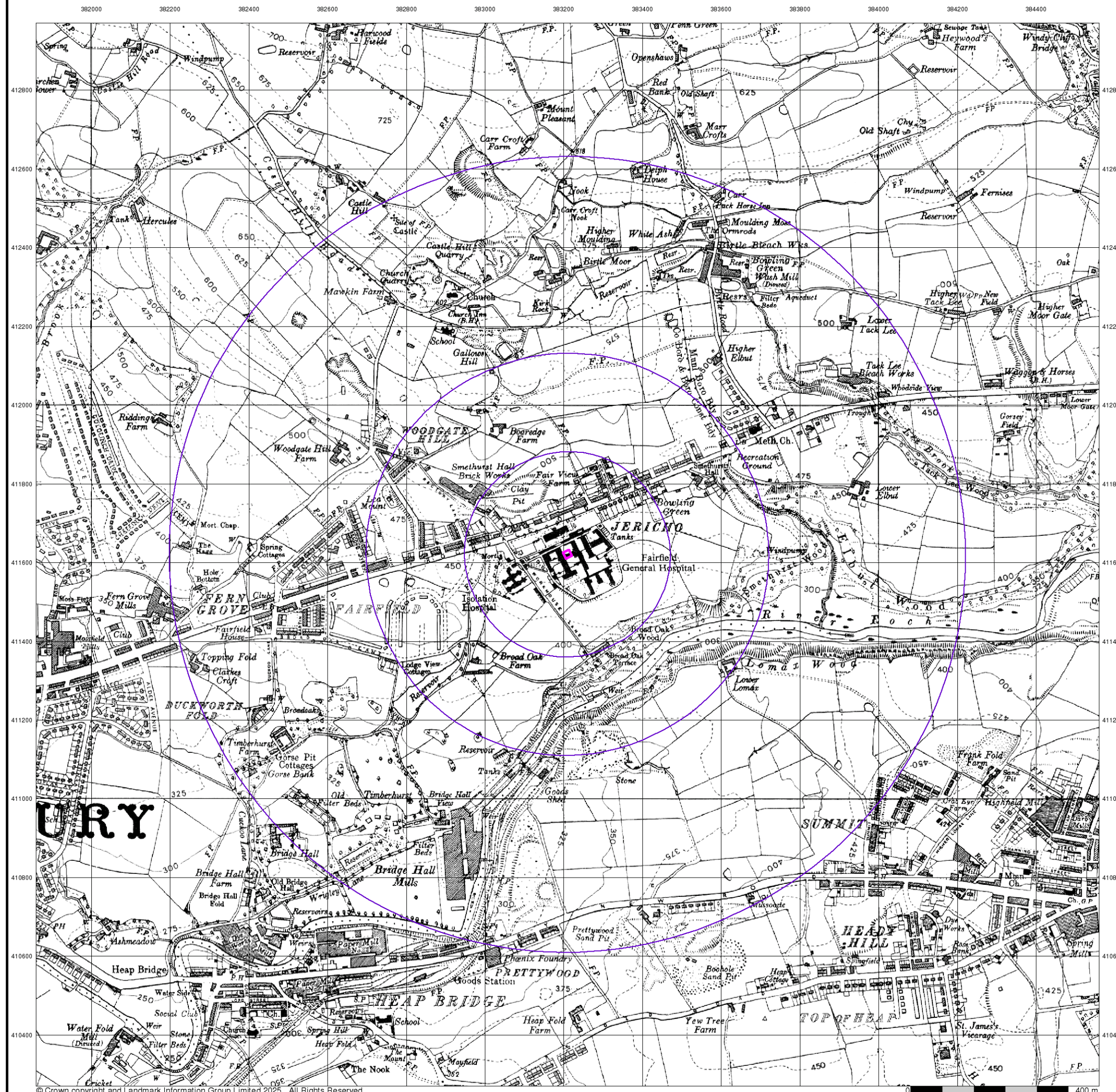


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



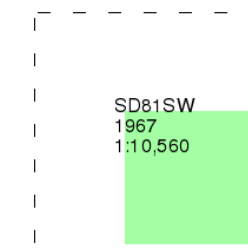
Ordnance Survey Plan

Published 1967

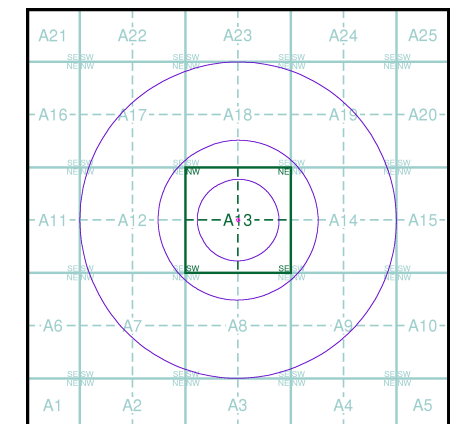
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

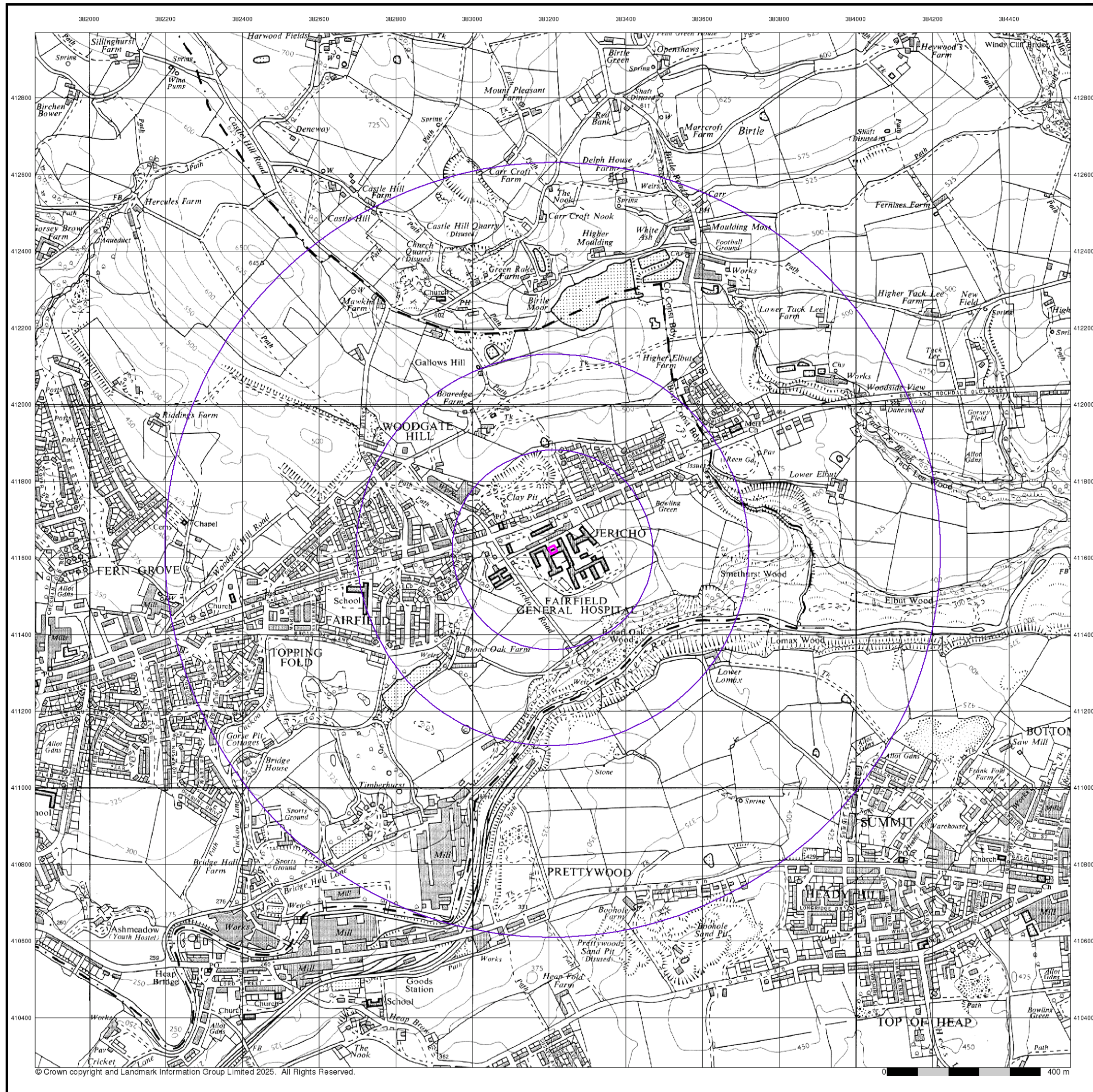


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



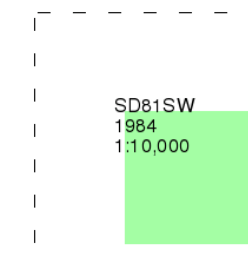
Ordnance Survey Plan

Published 1984

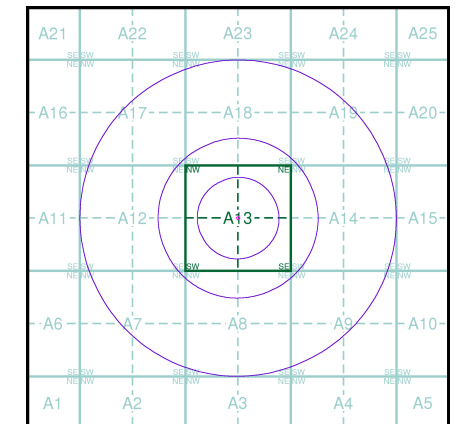
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

Curtins

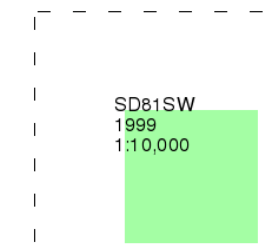
10k Raster Mapping

Published 1999

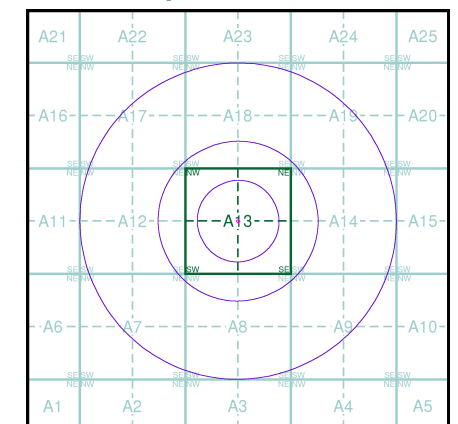
Source map scale - 1:10,000

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

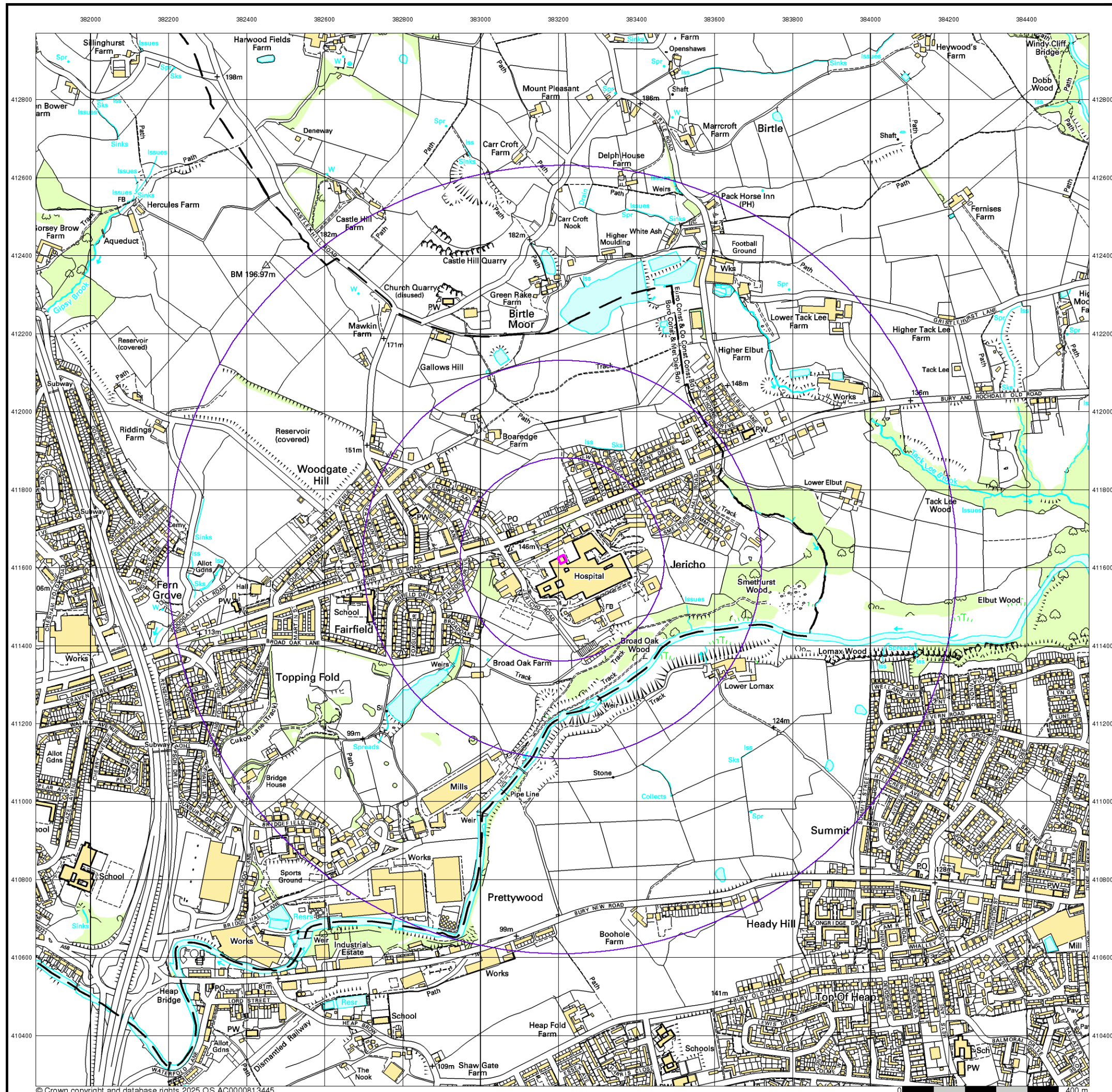
Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD

Landmark
INFORMATION GROUP

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



Curtins

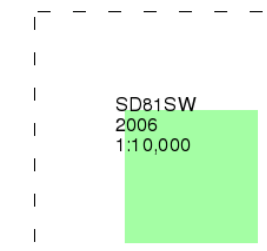
10k Raster Mapping

Published 2006

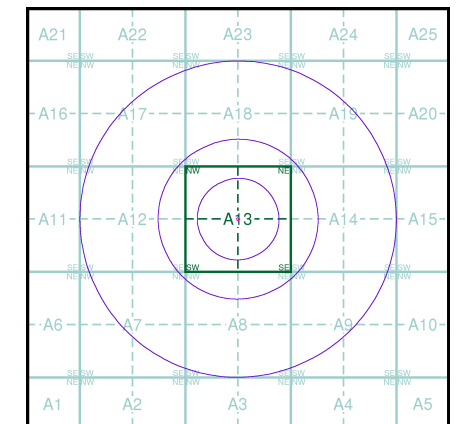
Source map scale - 1:10,000

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

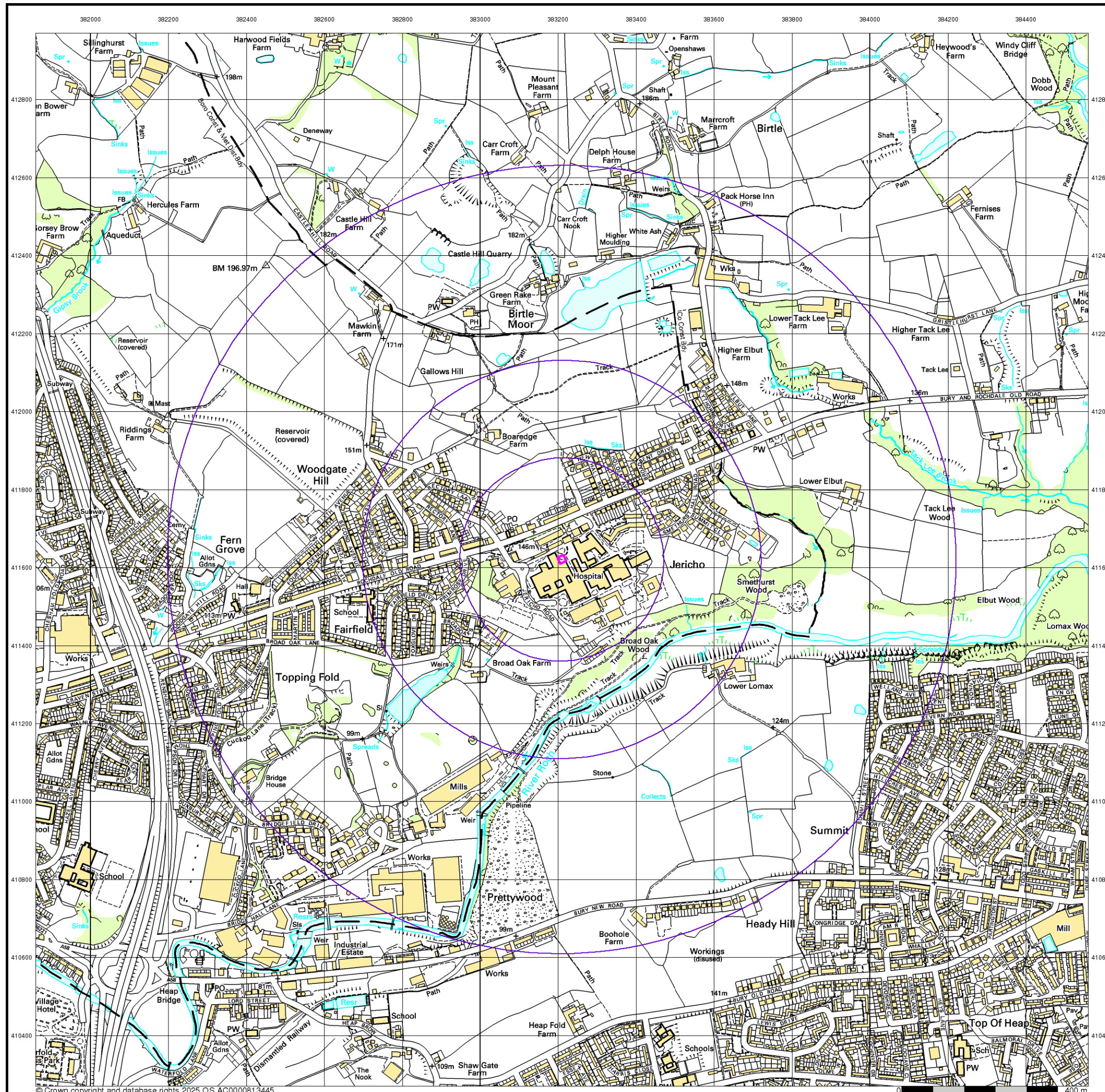
Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD

Landmark
INFORMATION GROUP

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



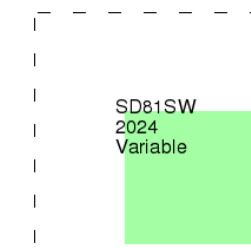
VectorMap Local

Published 2024

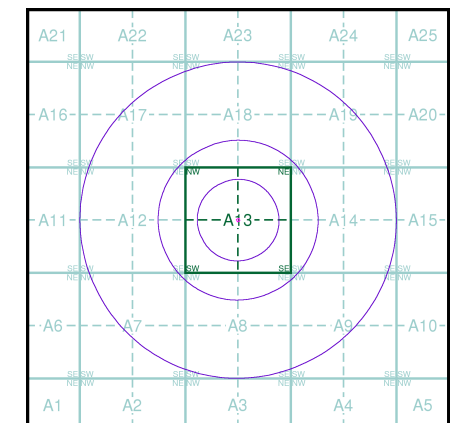
Source map scale - 1:10,000

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

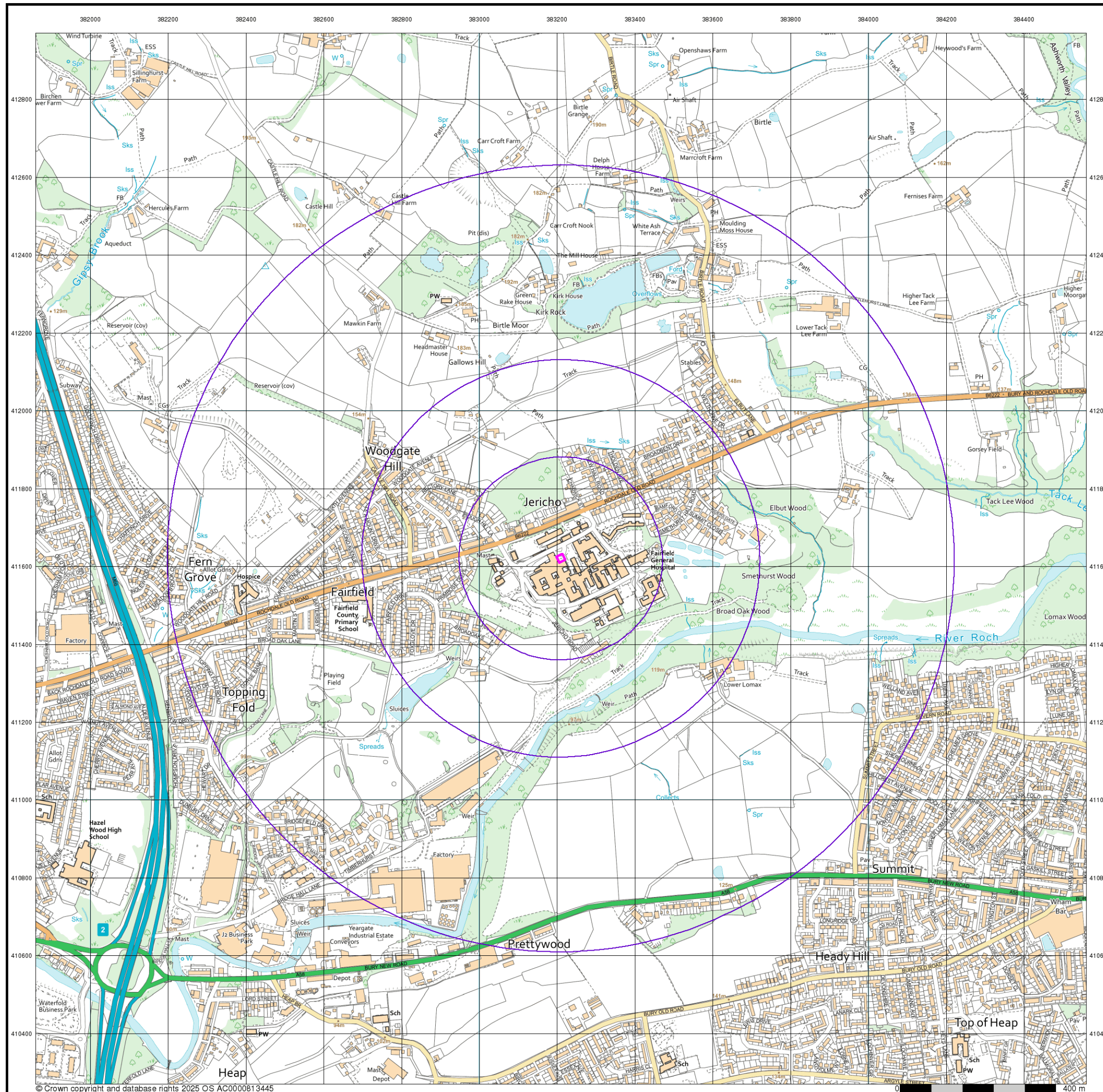


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



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

	Quarry		Gravel Pit		Sand Pit
	Clay Pit		Shingle		Refuse Heap
	Sloping Masonry		Flat Rock		
	Marsh		Reeds		Osiers
	Rough Pasture		Furze		Wood
	Mixed Wood		Brushwood		Orchard
	Fir		Ford		Stepping Stones
	Ferry		Waterfall		Lock



Cutting



Embankment

Railway crossing Road

Level Crossing

Road crossing Railway

Diagram illustrating three types of crossings:

- Railway crossing River or Canal**
- Road over single stream**
- Road over River or Canal**

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

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

	or		Active Quarry, Chalk Pit or Clay Pit
Rock		Boulders	
Cliff		Slopes	
Roofed Building		Glazed Roof Building	
Sloping Masonry		Archway	
Non-Coniferous Tree (surveyed)		Coniferous Tree (surveyed)	
Non-Coniferous Trees (not surveyed)		Coniferous Trees (not surveyed)	

	Orchard Tree		Scrub		Bracken
	Coppice, Osier		Reeds		Marsh, Saltings
	Rough Grassland		Heath		Culvert
	Direction of water flow		Bench Mark		Antiquity (site of)
	Cave Entrance		Triangulation Station		Electricity Pylon

<u> </u> <u>ETL</u> <u> </u>	Electricity Transmission Line
	County Boundary (Geographical)
	County & Civil Parish Boundary
	Civil Parish Boundary
	Admin. County or County Bor. Boundary
	London Borough Boundary
	Symbol marking point where boundary mereing changes

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

Slopes		Top	
	Cliff		Rock
	Boulders		Scree
	Positioned Boulder		Non-Coniferous Tree (surveyed)
	Non-Coniferous Trees (not surveyed)		Coniferous Tree (surveyed)
	Orchard Tree		Coniferous Trees (not surveyed)
	Scrub		Bracken
	Coppice, Osier		Reeds
	Rough		Marsh, Saltings
	Culvert		Heath

	Direction of water flow		Triangulation Station		Antiquity (site of)
	Electricity Transmission Line				Electricity Pylon
	Bench Mark				Buildings with Building Seed
	Roofed Building				Glazed Roof Building
	Civil parish/community boundary				
	District boundary				
	County boundary				
	Boundary post/stone				
	Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)				

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

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1894	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	1958 - 1959	6
Ordnance Survey Plan	1:2,500	1960	7
Ordnance Survey Plan	1:1,250	1964 - 1973	8
Ordnance Survey Plan	1:1,250	1976	9
Additional SIMs	1:1,250	1978 - 1989	10
Large-Scale National Grid Data	1:1,250	1992	11
Historical Aerial Photography	1:2,500	2000	12

A 5x5 grid map with columns labeled A1 to A5 and rows labeled A6 to A20. A red path is shown, starting at A1 and ending at A25. The path is highlighted in red. A red circle highlights the starting point A1. A red square highlights the area around A13, A14, A15, and A16.



Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

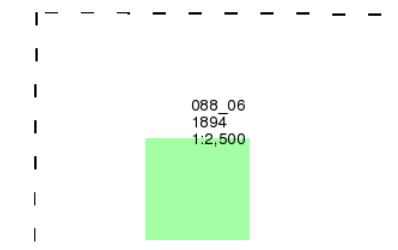
Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD

Landmark®
INFORMATION GROUP

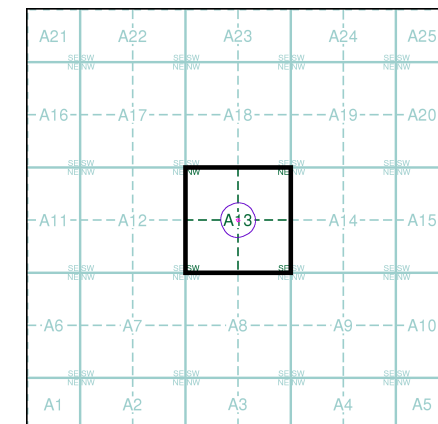
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

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

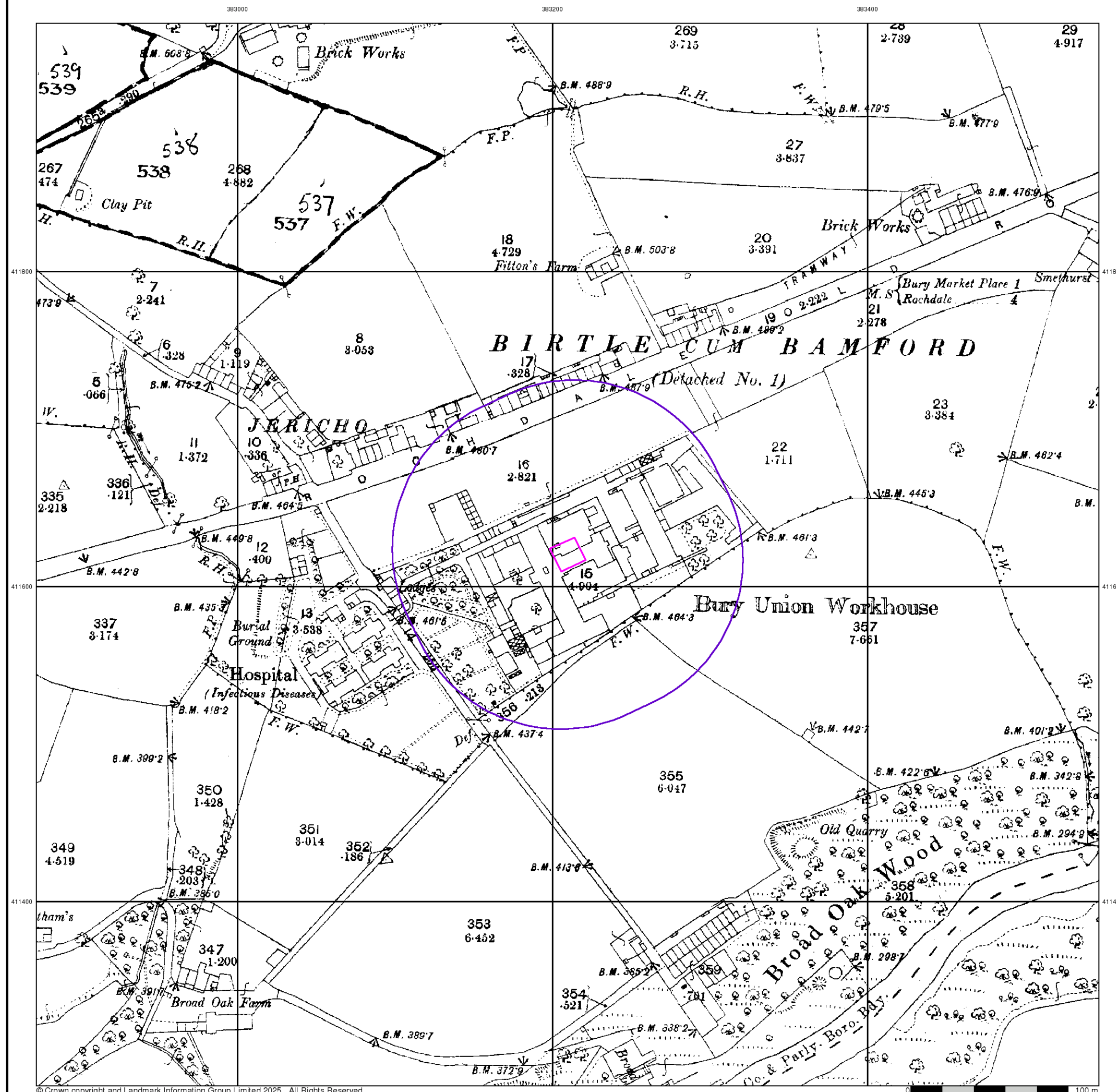


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

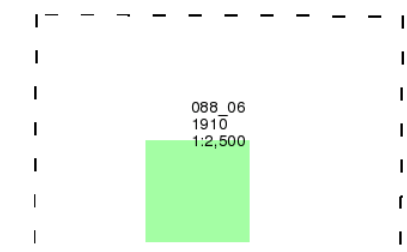
Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

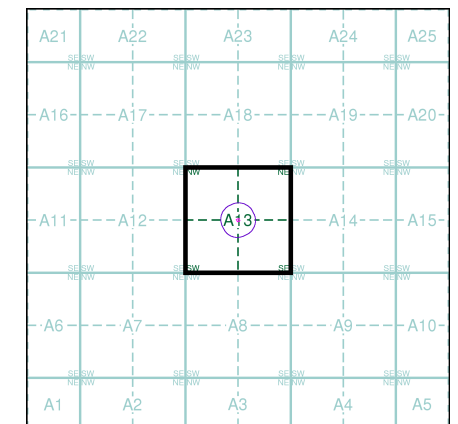


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

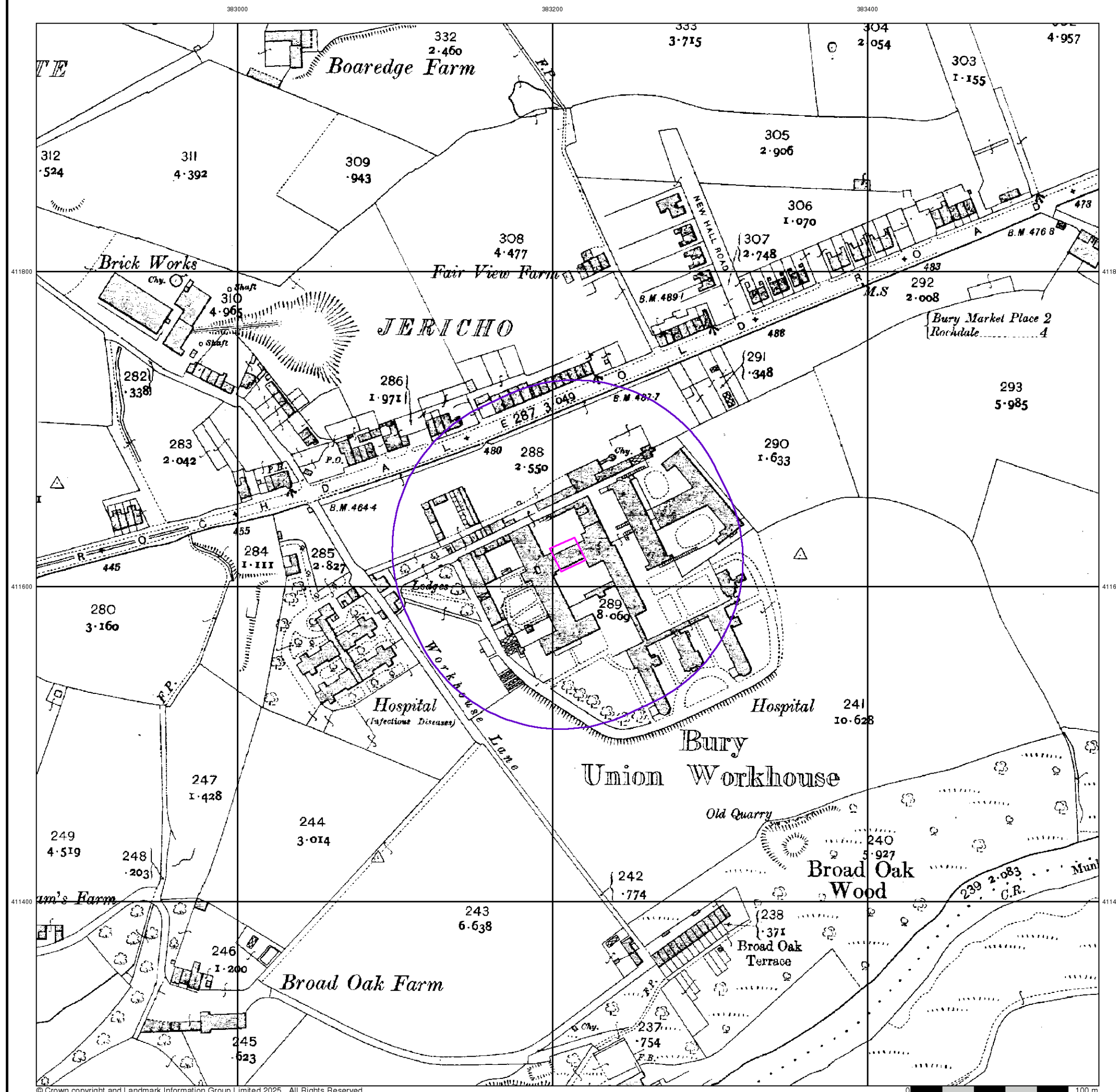


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

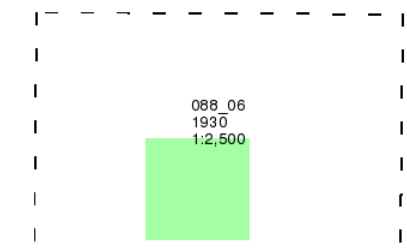
Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

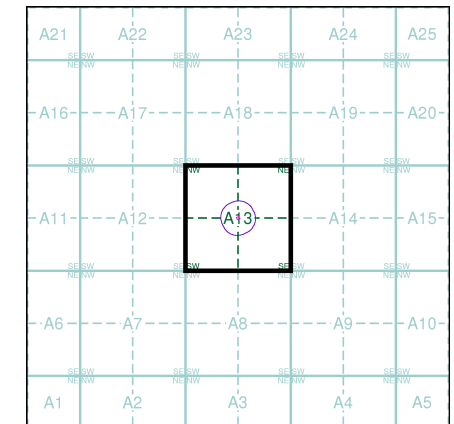


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

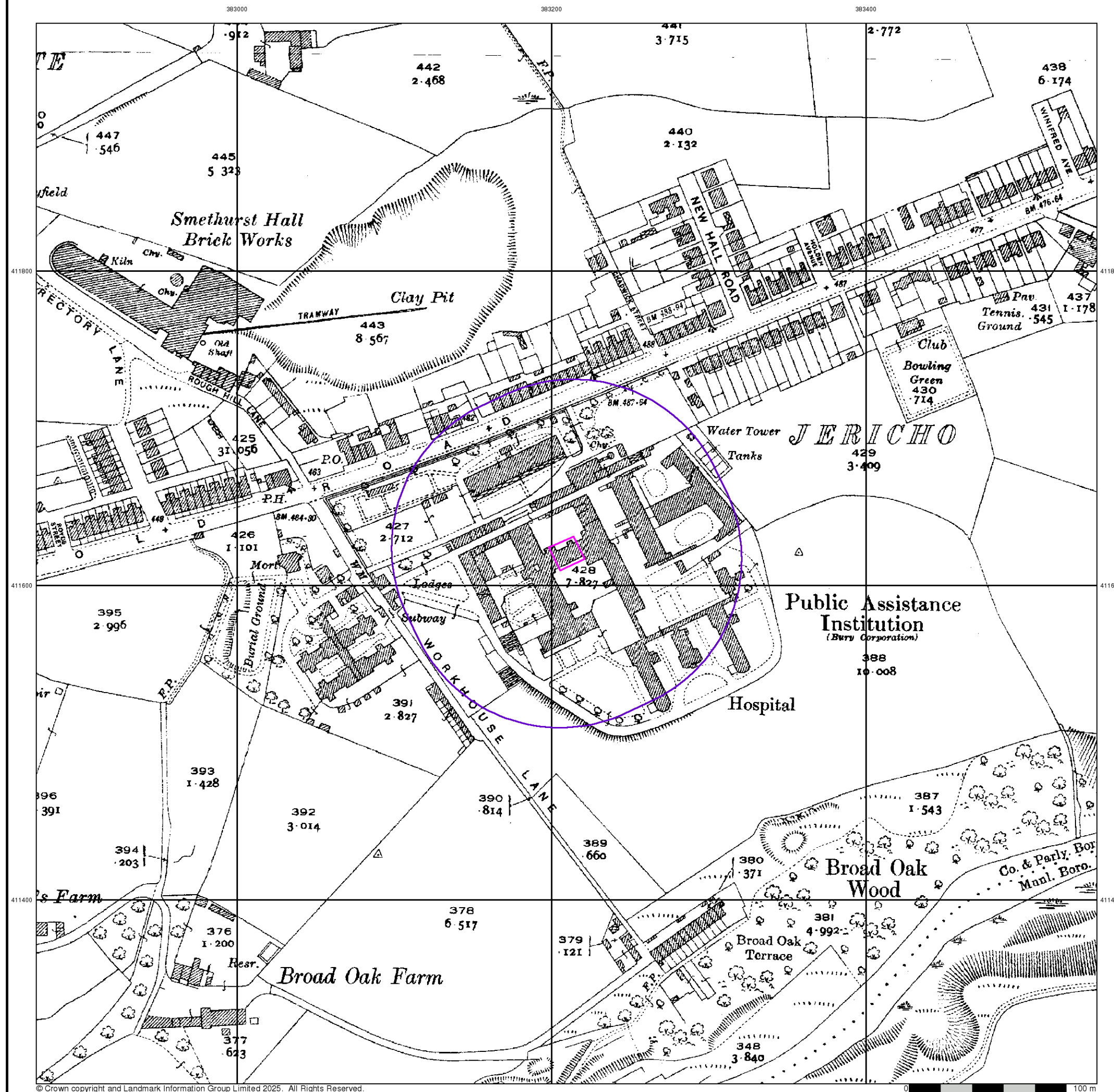


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

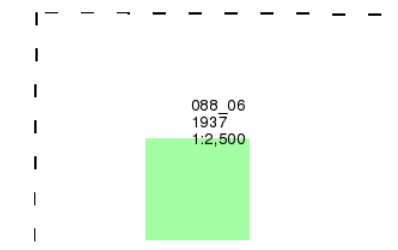
Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

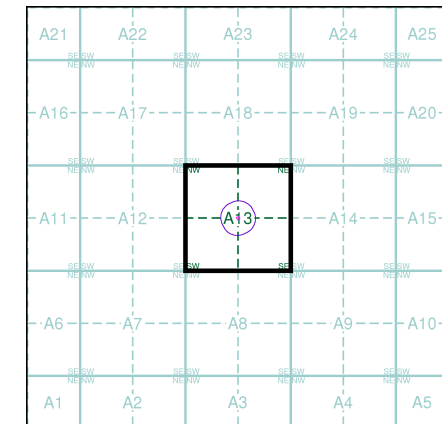


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

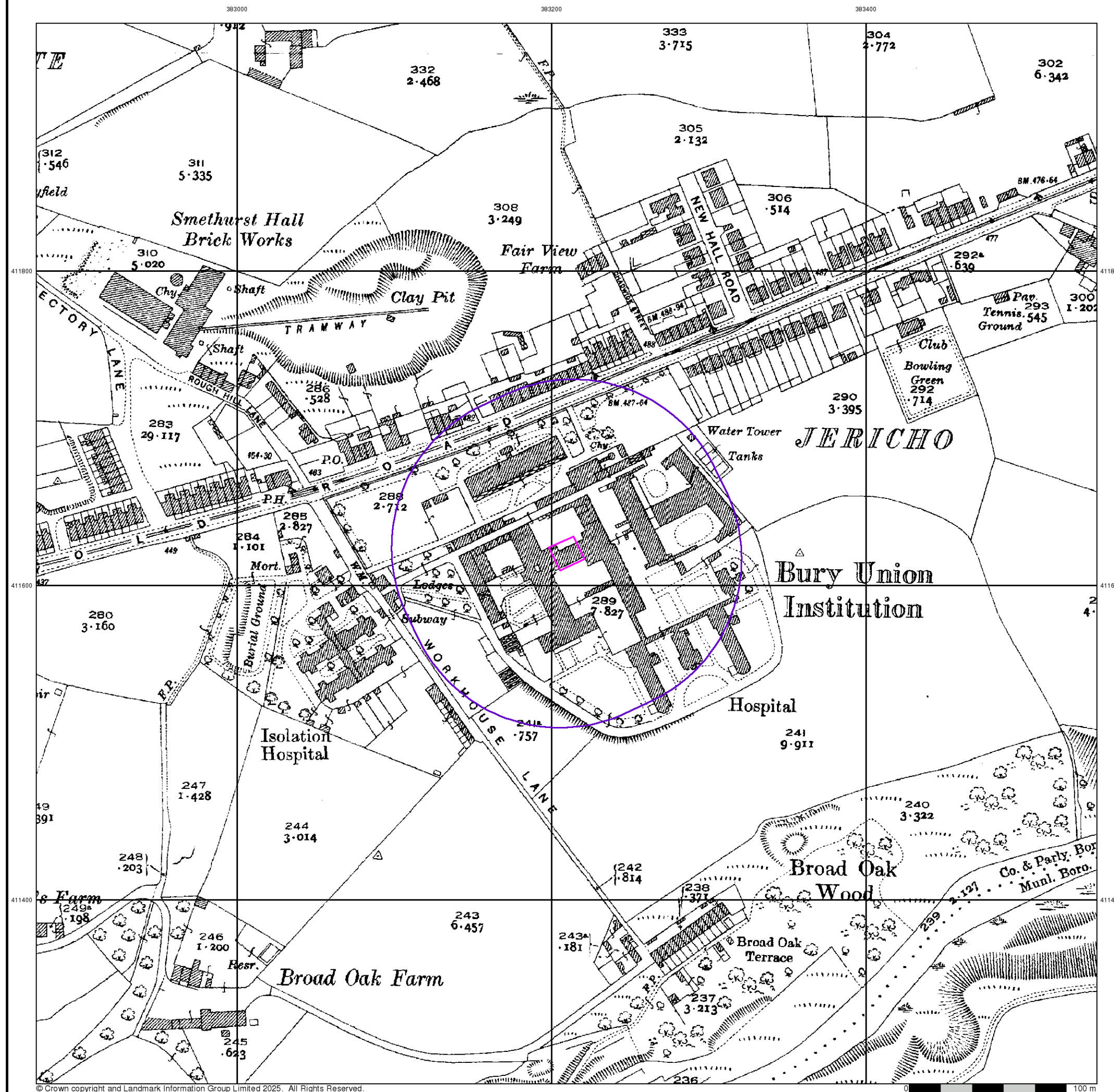


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



Ordnance Survey Plan

Published 1958 - 1959

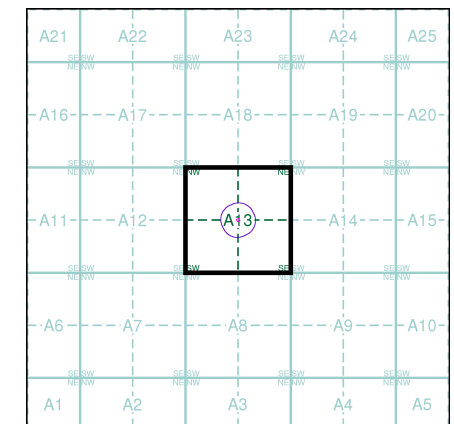
Source map scale - 1:1,250

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)

SD8211NE 1959 1:1,250	SD8311NW 1958 1:1,250	SD8311NE 1958 1:1,250
SD8211SE 1959 1:1,250	SD8311SW 1958 1:1,250	SD8311SE 1958 1:1,250

Historical Map - Segment A13

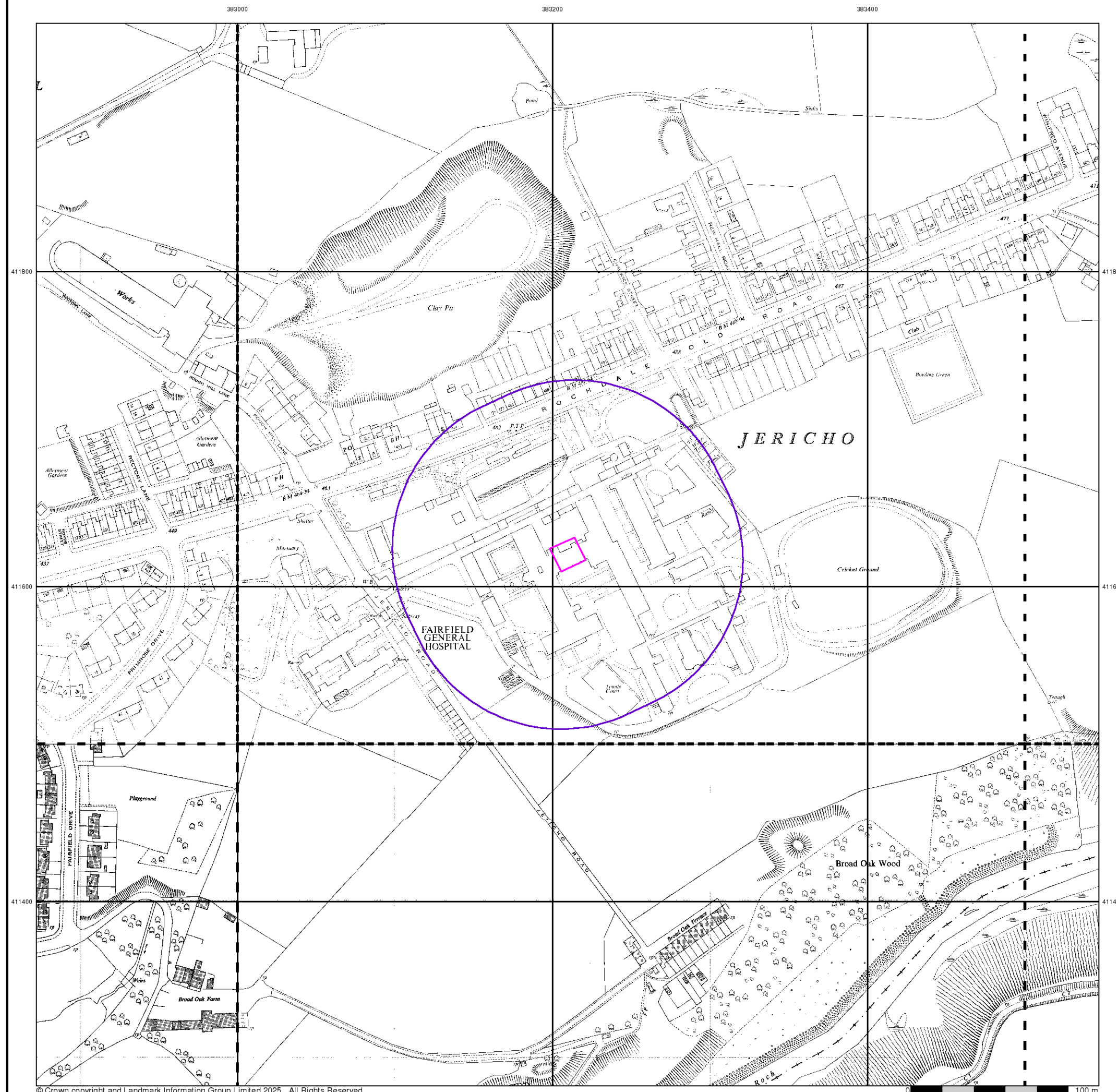


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



Ordnance Survey Plan

Published 1964 - 1973

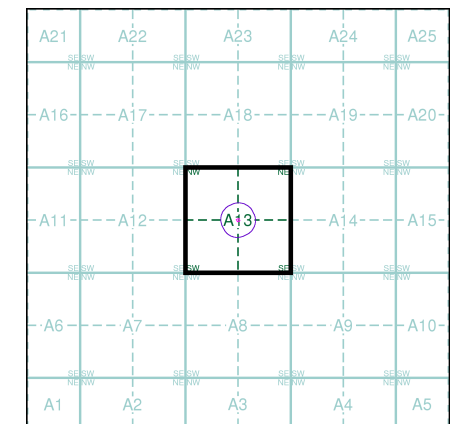
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8211NE 1964 1:1,250	SD8311NW 1964 1:1,250	SD8311NE 1973 1:1,250
-----------------------------	-----------------------------	-----------------------------

Historical Map - Segment A13

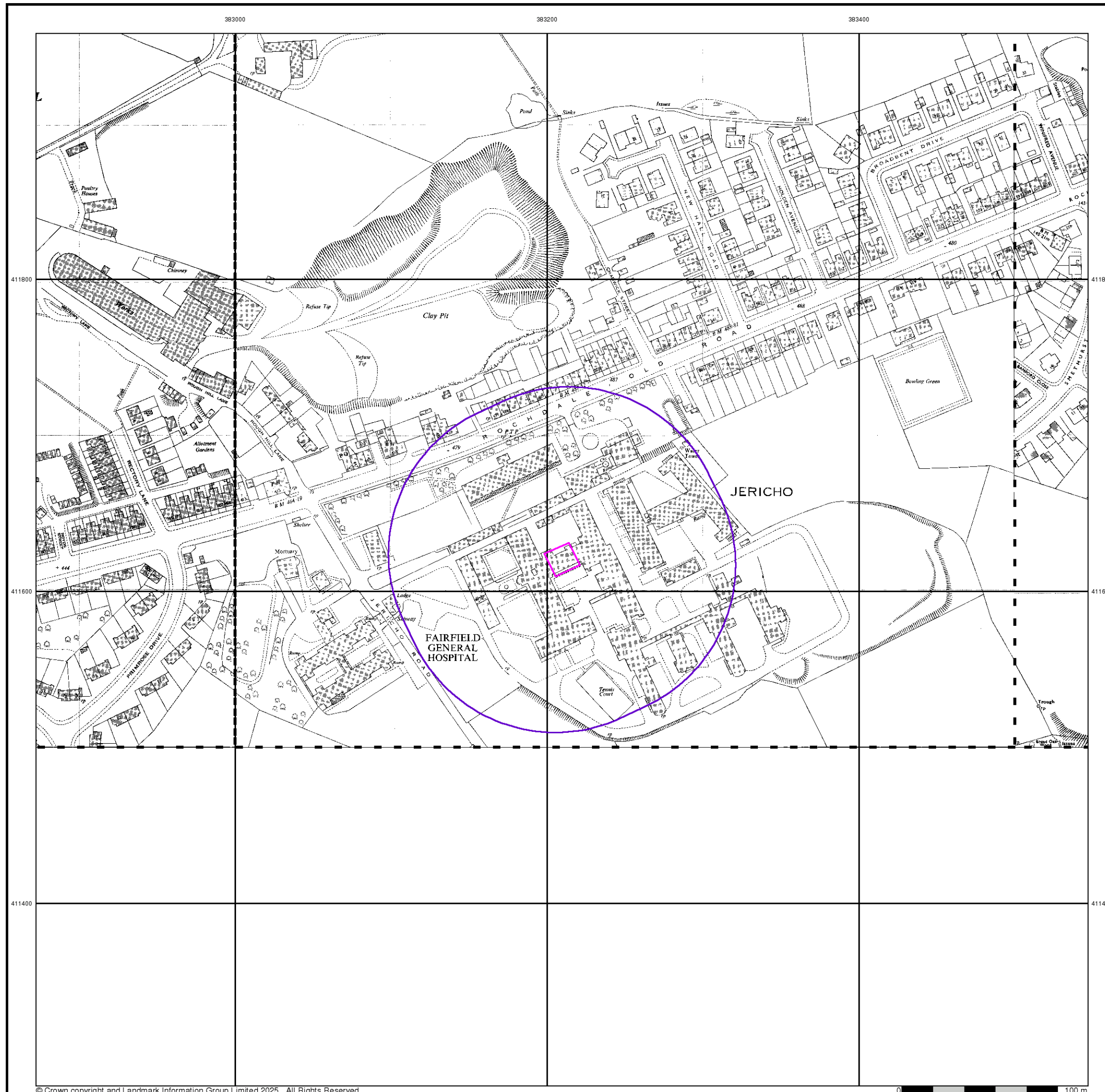


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



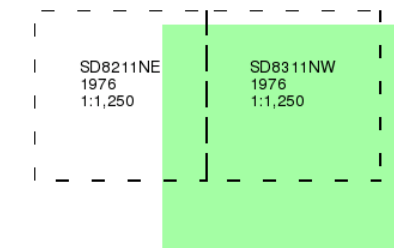
Ordnance Survey Plan

Published 1976

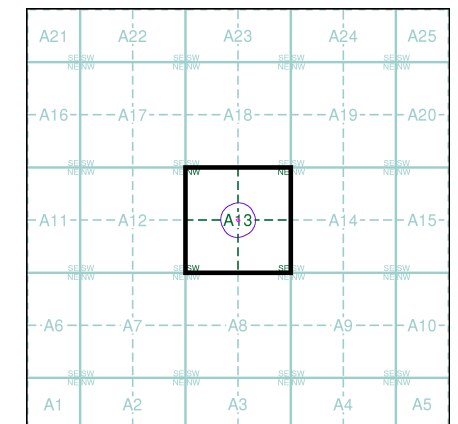
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13

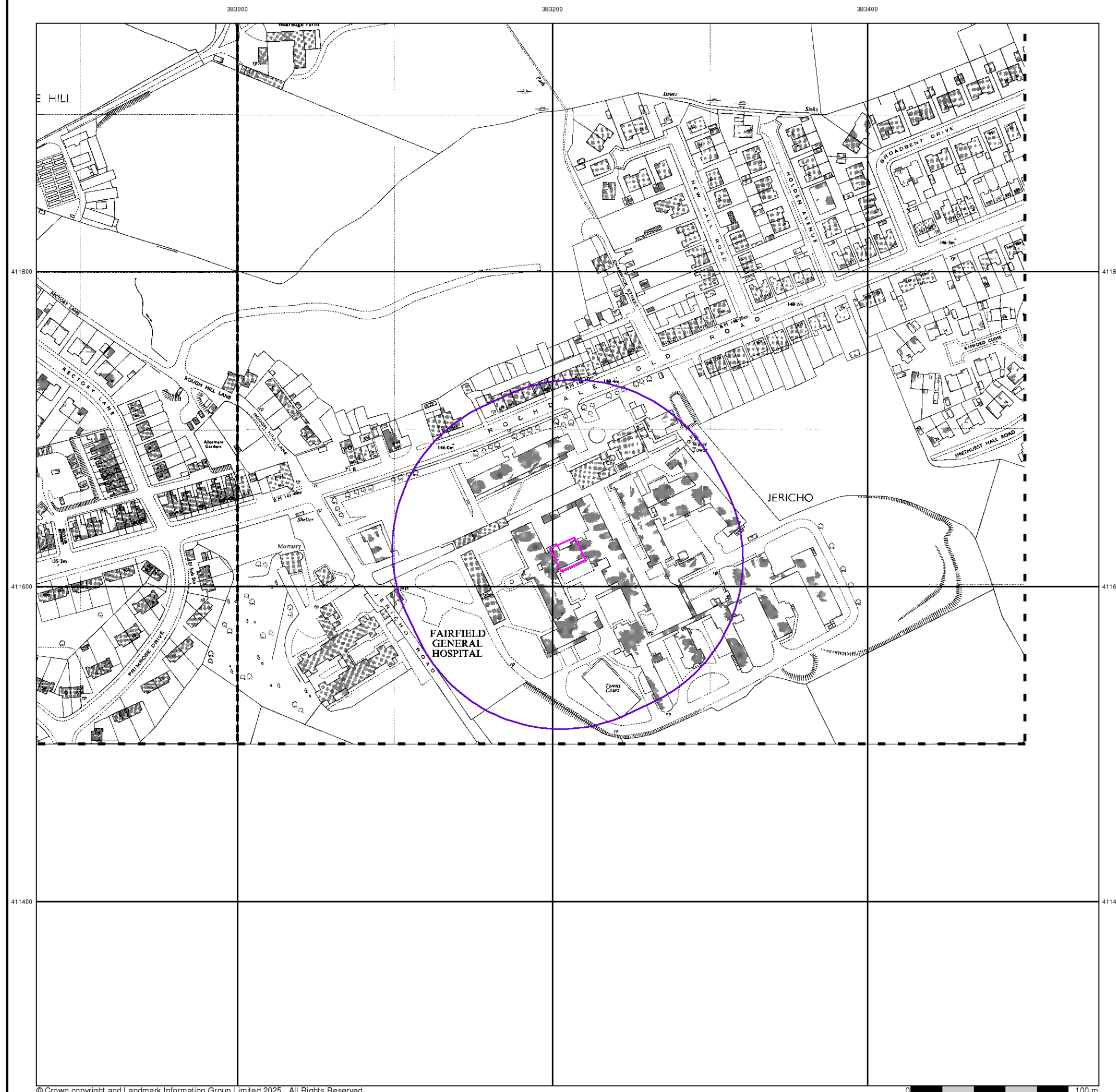


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



Additional SIMs

Published 1978 - 1989

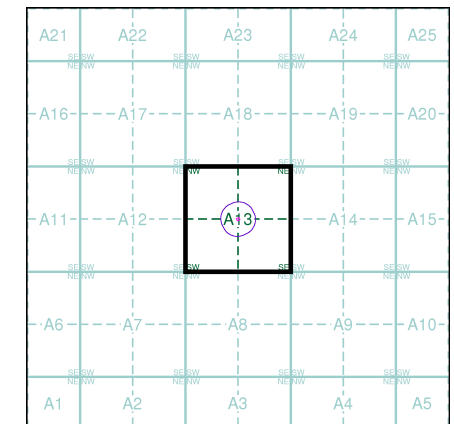
Source map scale - 1:1,250

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)

SD8211NE 1978 1:1,250	SD8311NW 1984 1:1,250
	SD8311SW 1989 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

Large-Scale National Grid Data

Published 1992

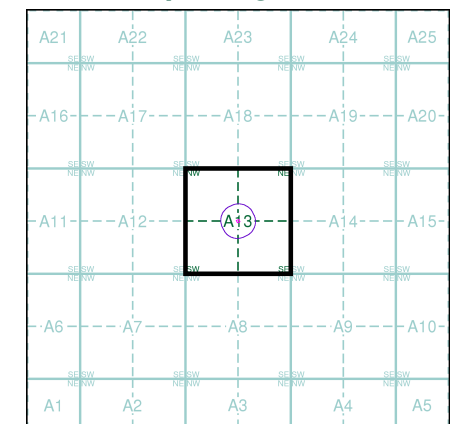
Source map scale - 1:1,250

'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)

SD8211NE 1992 1:1,250	SD8311NW 1992 1:1,250	SD8311NE 1992 1:1,250
SD8211SE 1992 1:1,250	SD8311SW 1992 1:1,250	SD8311SE 1992 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

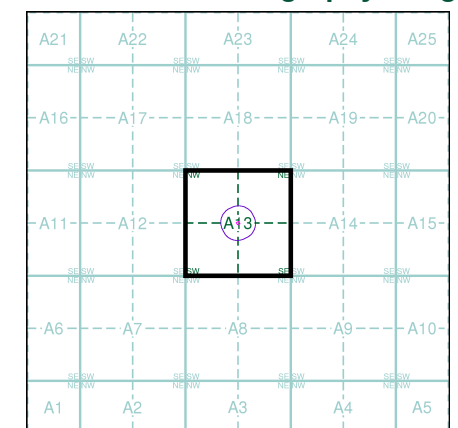
Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

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: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD

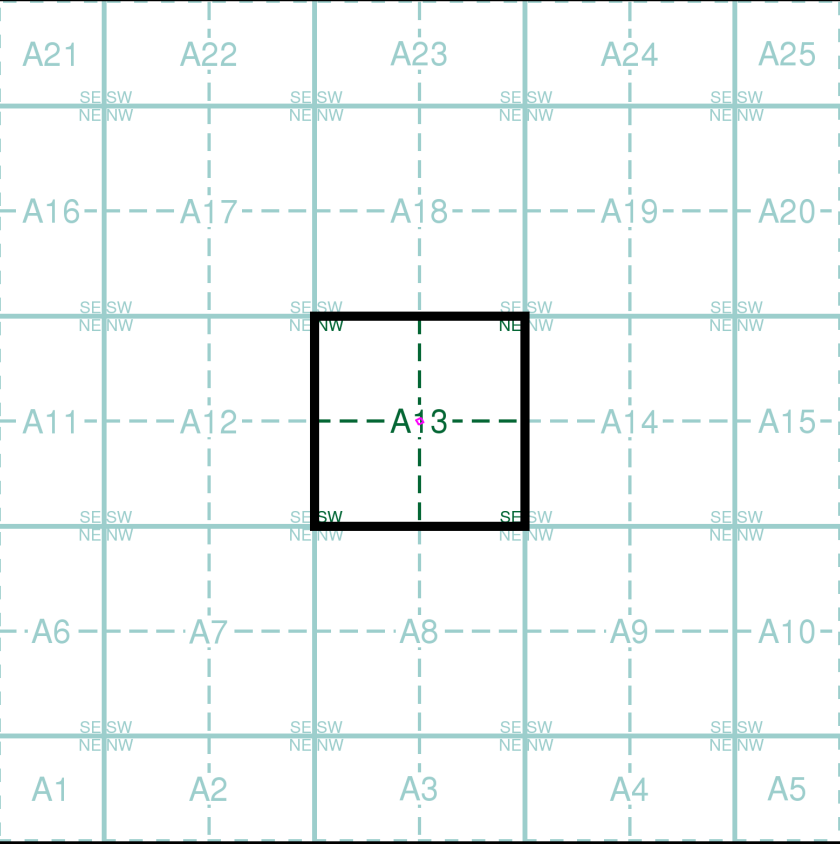
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to complement the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped more than once at this scale, and none have been since 1910. The 1:500 scale gives particular emphasis to such features as lamp posts, man holes, arched passages and minor building projections. Also often featured are divisions between tenements, interior ground floor layouts of public buildings, and on earlier plans, the functions of the various parts of larger industrial premises are also indicated. Content of the plans does vary however, from one town to the next in terms of, for example, the completeness of railway tracks and the coverage of public buildings.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)

088_06_012	088_06_013
1891	1891
1:500	1:500
088_06_017	088_06_018
1891	1891
1:500	1:500
088_06_022	088_06_023
1891	1891
1:500	1:500

Historical Town Plan - Segment A13



Order Details

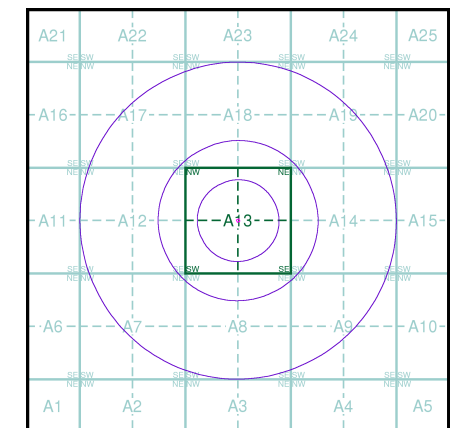
Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 0

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Historical Prosecutions
 - Prosecutions
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Slice A

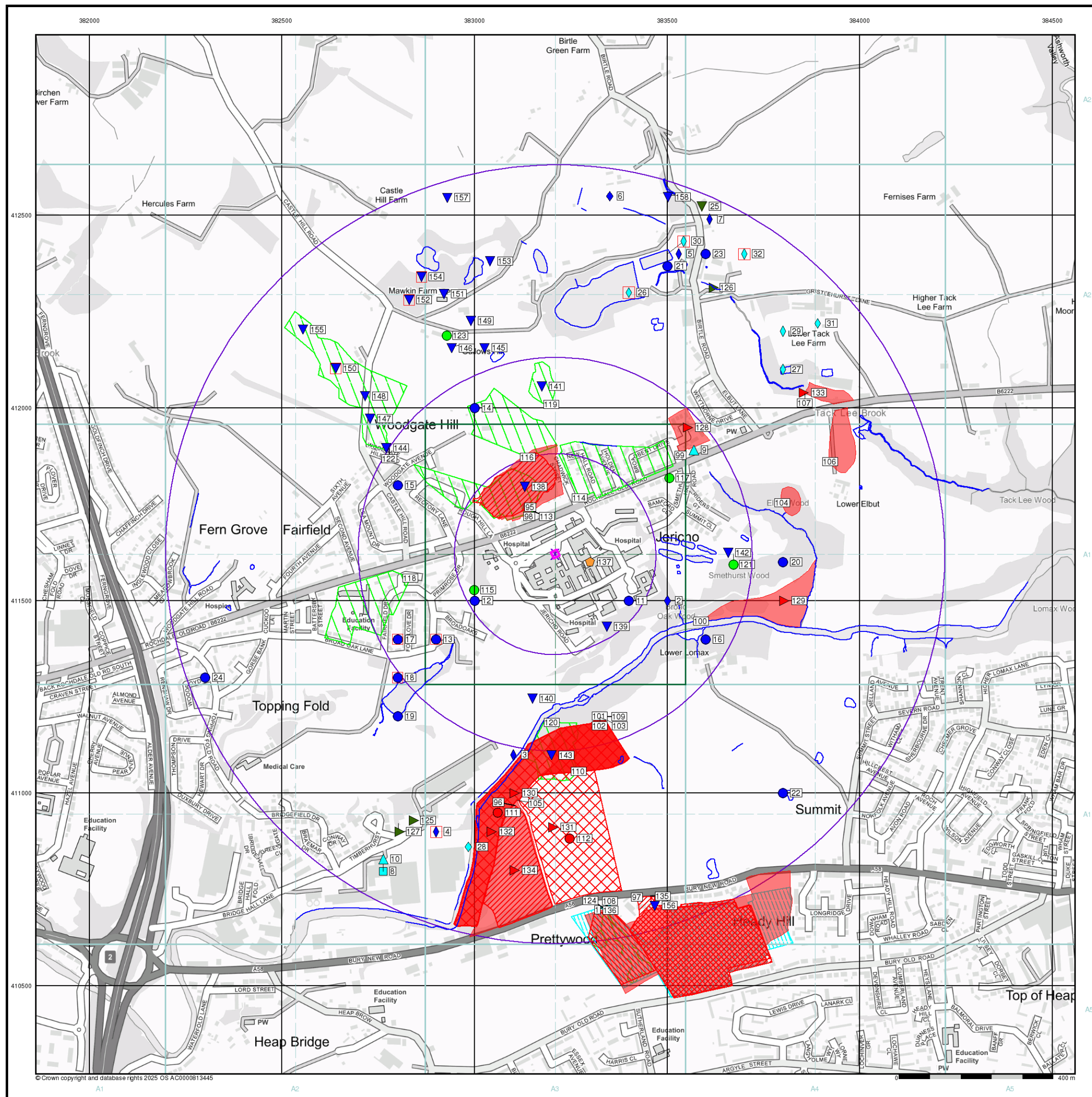


Order Details

Order Number: 374880608_1_1
 Customer Ref: 086745 Bury ED
 National Grid Reference: 383210, 411620
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield
 General Hospital, Rochdale Old Road, BURY, BL9 7TD



Industrial Land Use Map

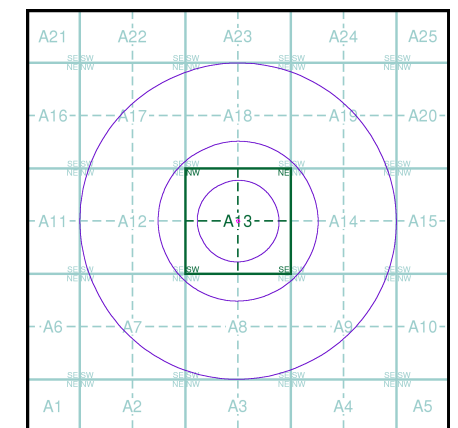
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A

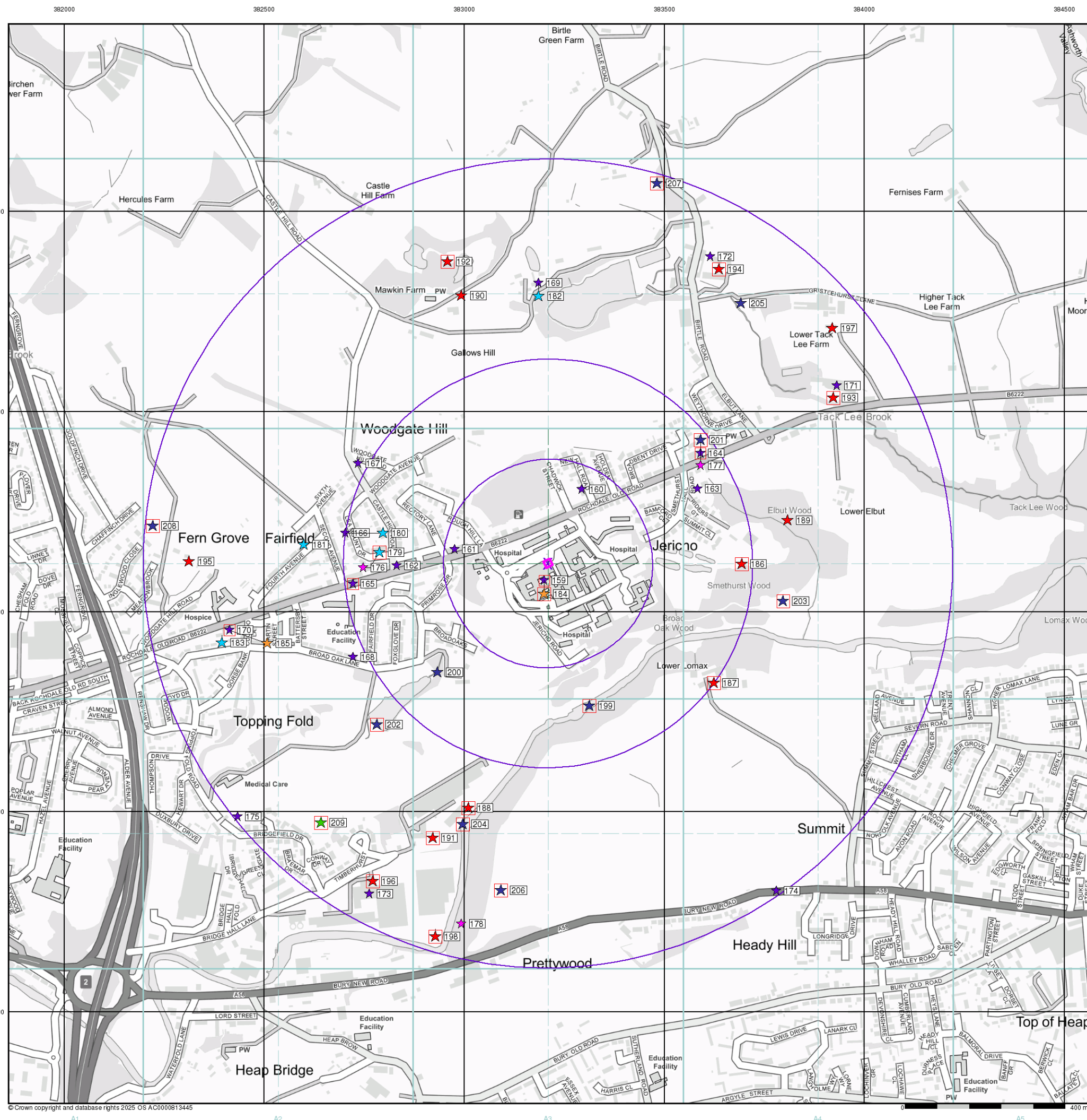


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD



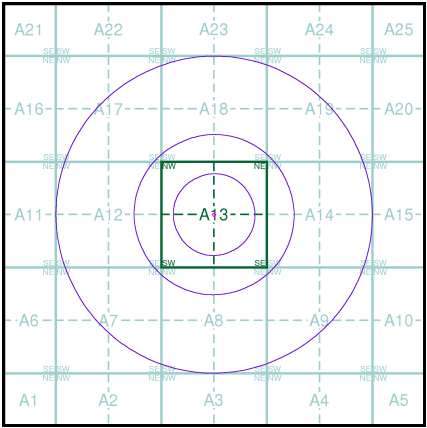
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD

General

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

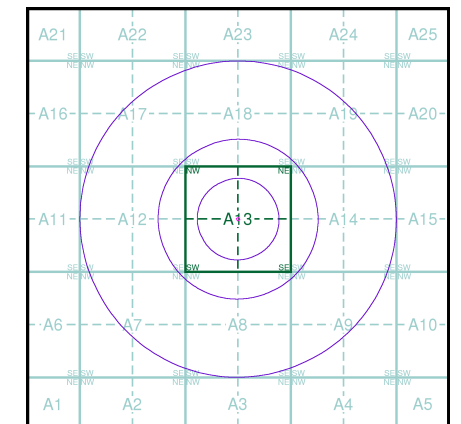
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

Curtins

General

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

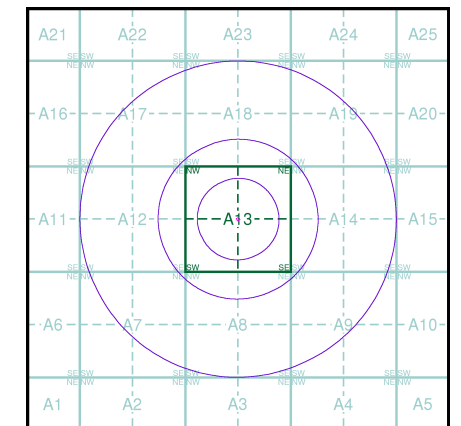
OS Water Network Data

- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

Contours (height in meters)

- | | | | |
|------------------|-------|-----|-----------------|
| Standard Contour | 105 | MLW | Mean Low Water |
| Master Contour | 100 | MHW | Mean High Water |
| Spot Height | 167.3 | | |

OS Water Network Map - Slice A



Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD

Landmark
INFORMATION GROUP

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

General

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

Risk of Flooding from Surface Water

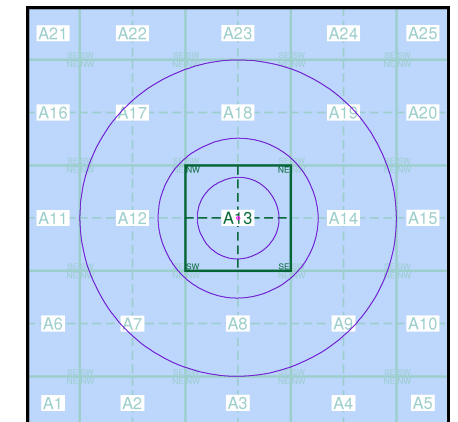
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A



Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD

WFD Surface Waters Map

General

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

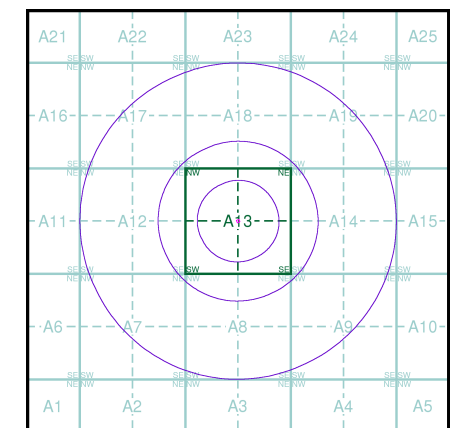
Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- MLW Mean Low Water
- MHW Mean High Water

WFD Surface Waters Map - Slice A

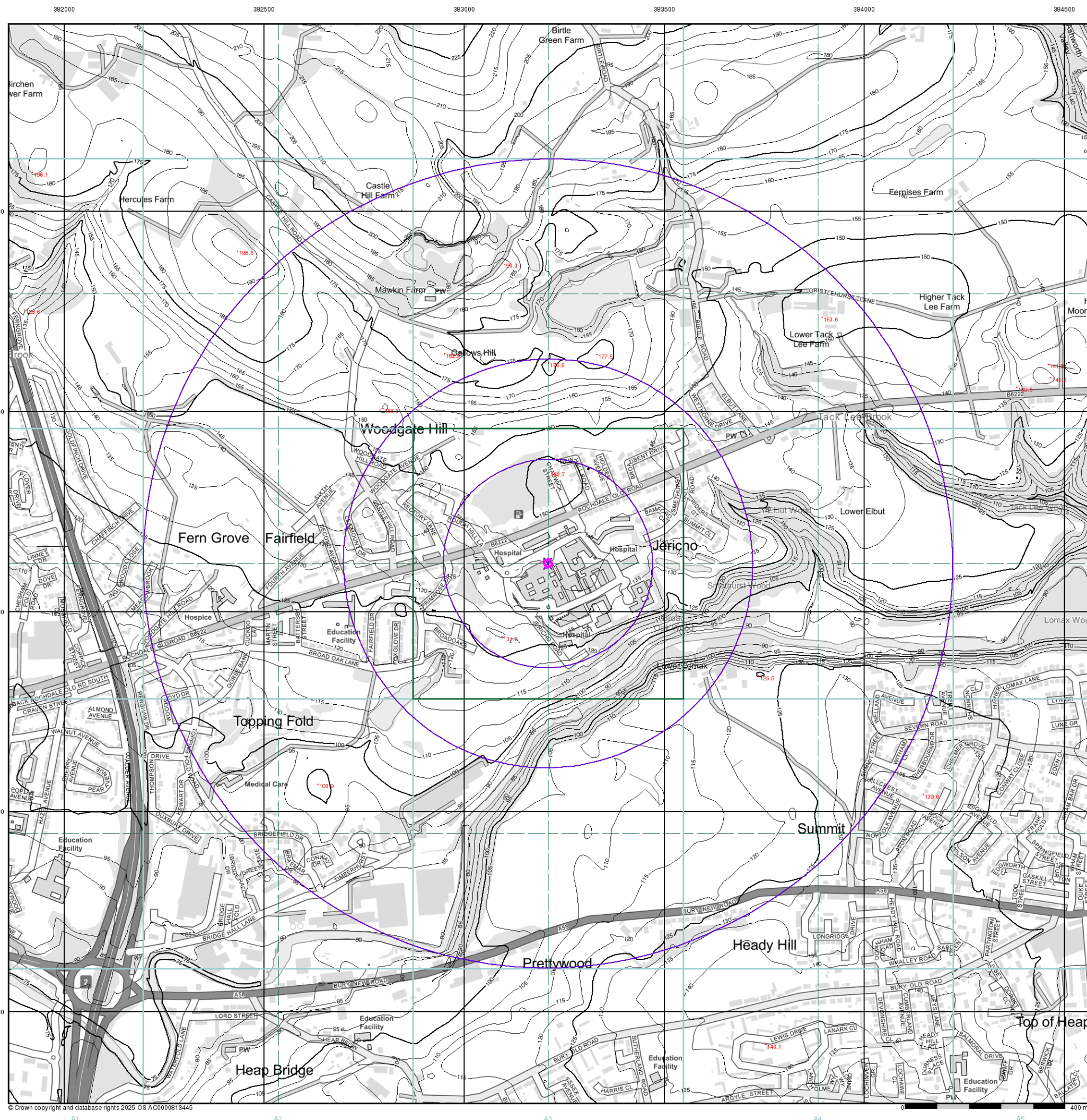


Order Details

Order Number: 374880608_1_1
 Customer Ref: 086745 Bury ED
 National Grid Reference: 383210, 411620
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield
 General Hospital, Rochdale Old Road, BURY, BL9 7TD



General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

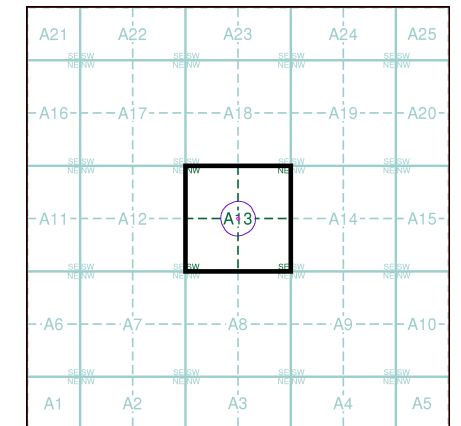
Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement
- BGS Recorded Mineral Site

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13

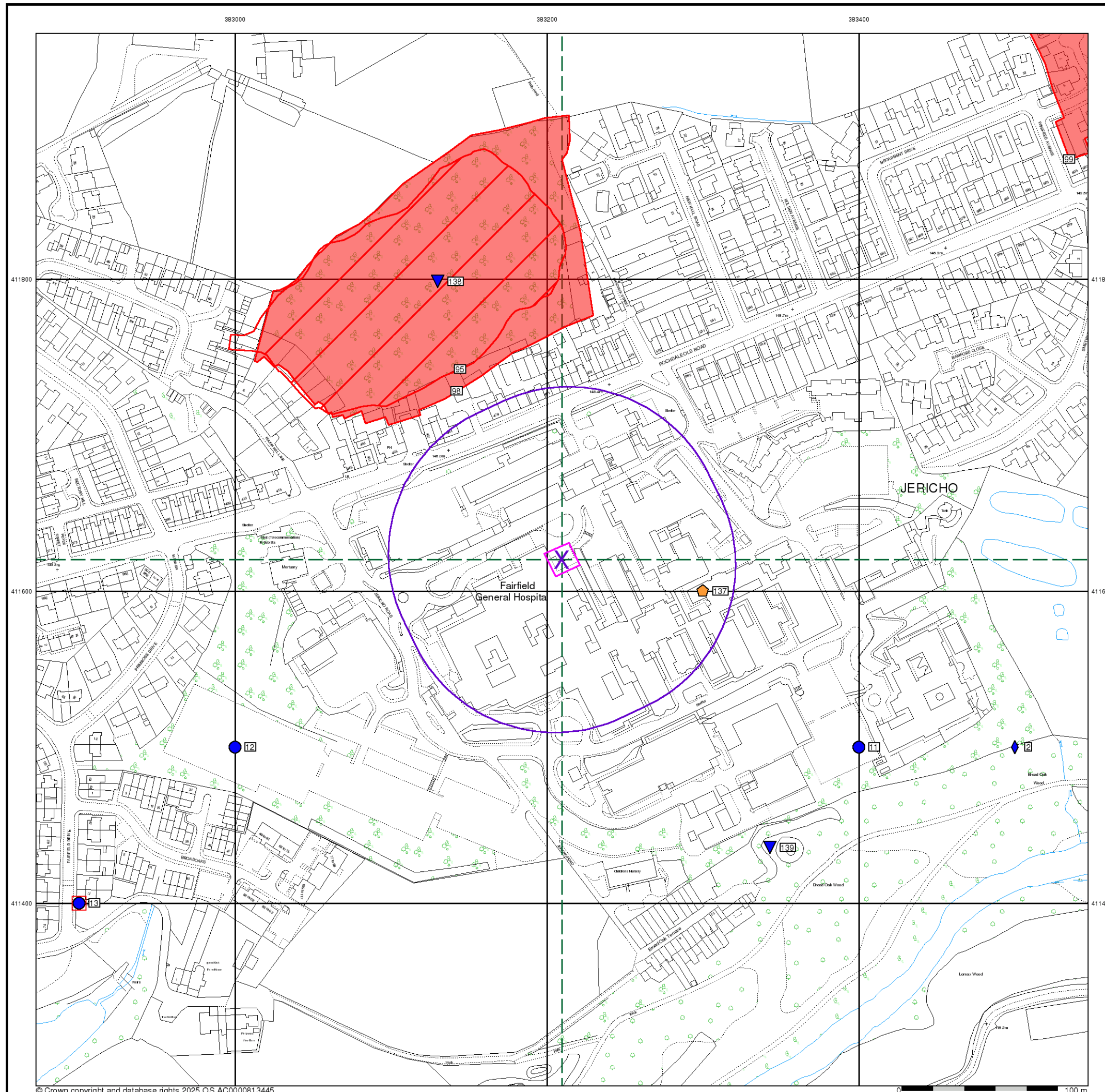


Order Details

Order Number: 374880608_1_1
 Customer Ref: 086745 Bury ED
 National Grid Reference: 383210, 411620
 Slice: A
 Site Area (Ha): 0.03
 Plot Buffer (m): 100

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

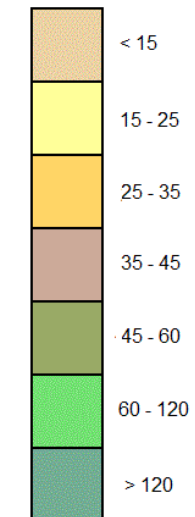


General

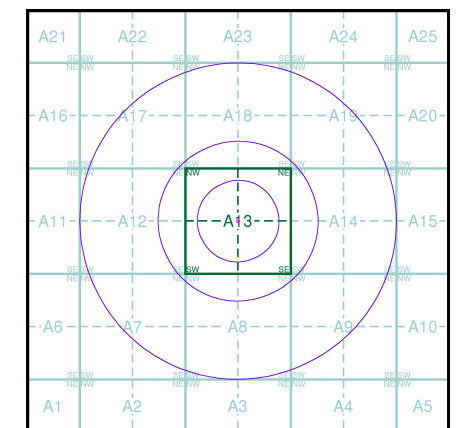
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

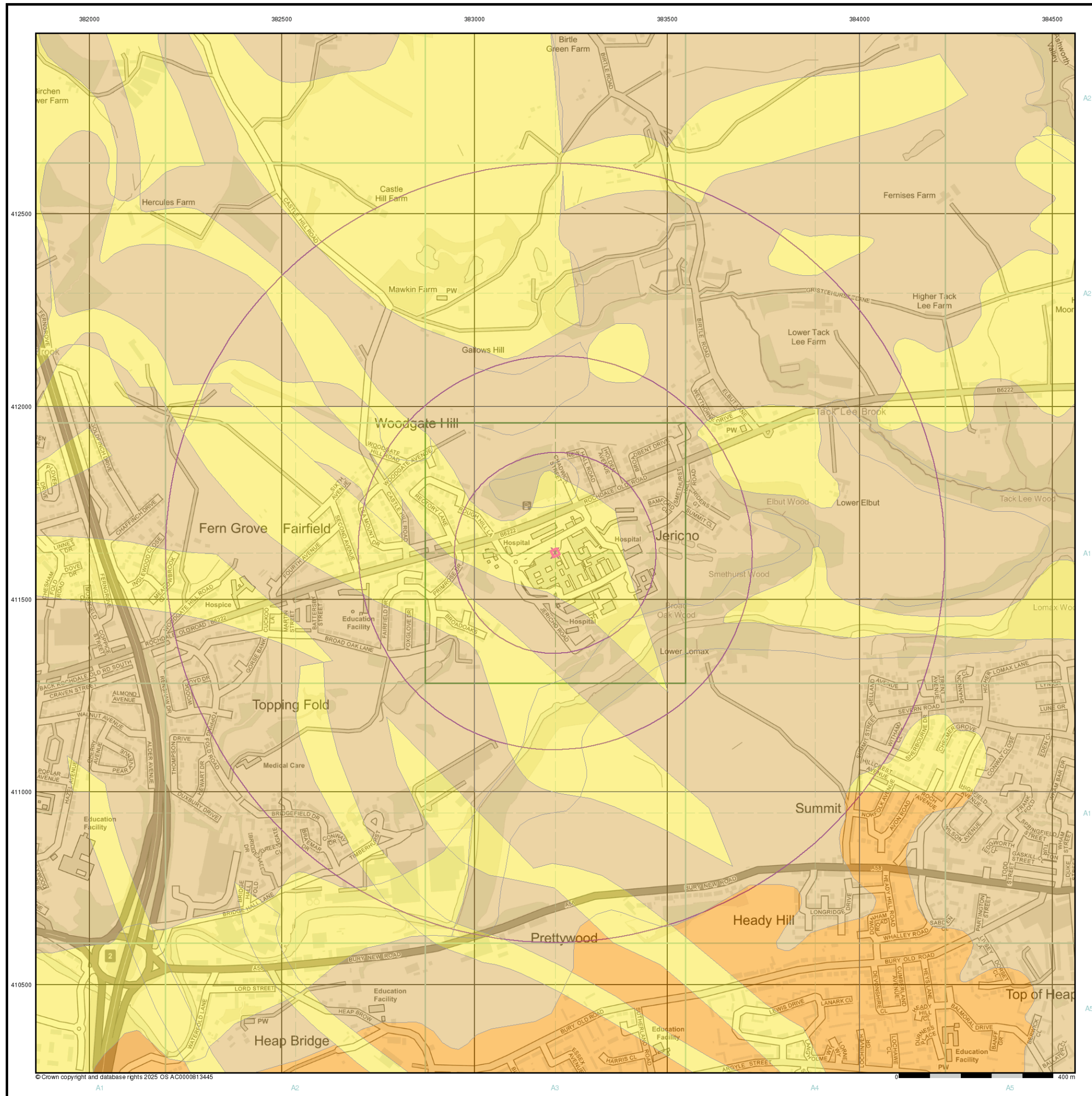


Order Details

Order Details: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD

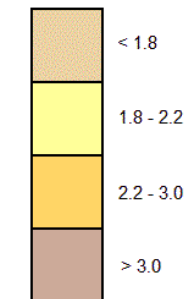


General

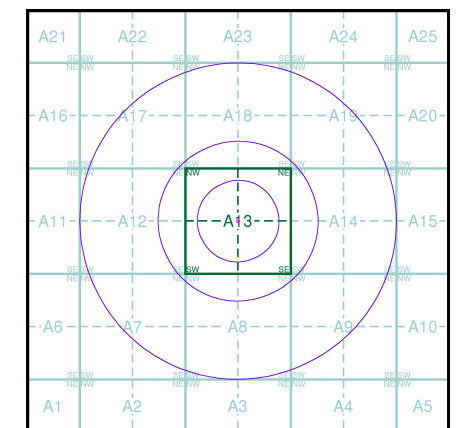
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

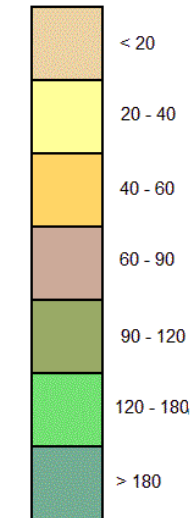
Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD

General

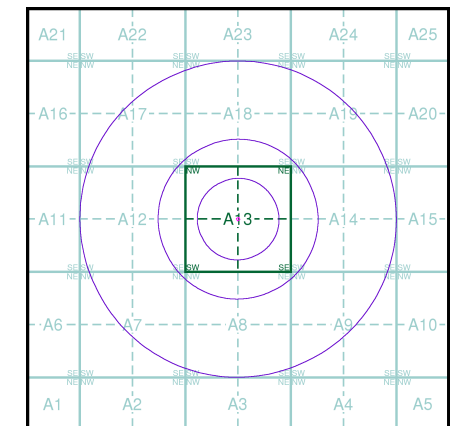
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

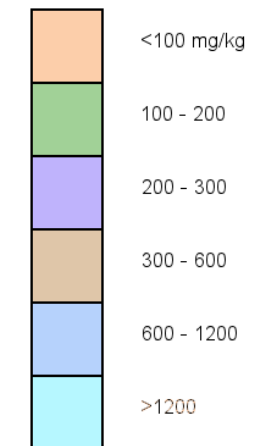
Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD

General

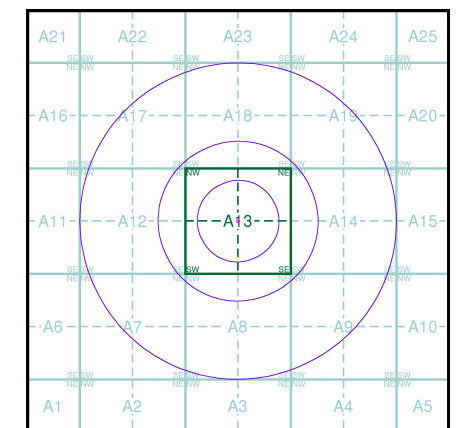
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

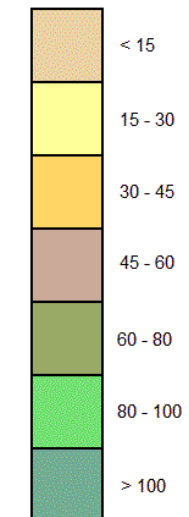
Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD

General

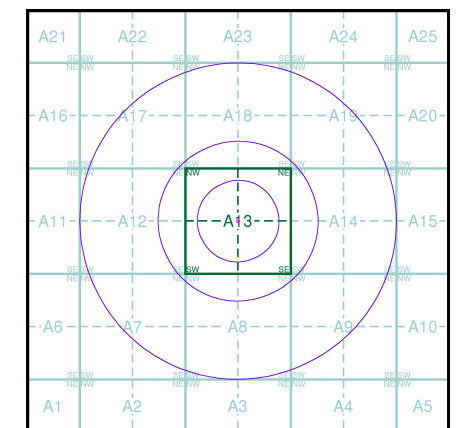
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

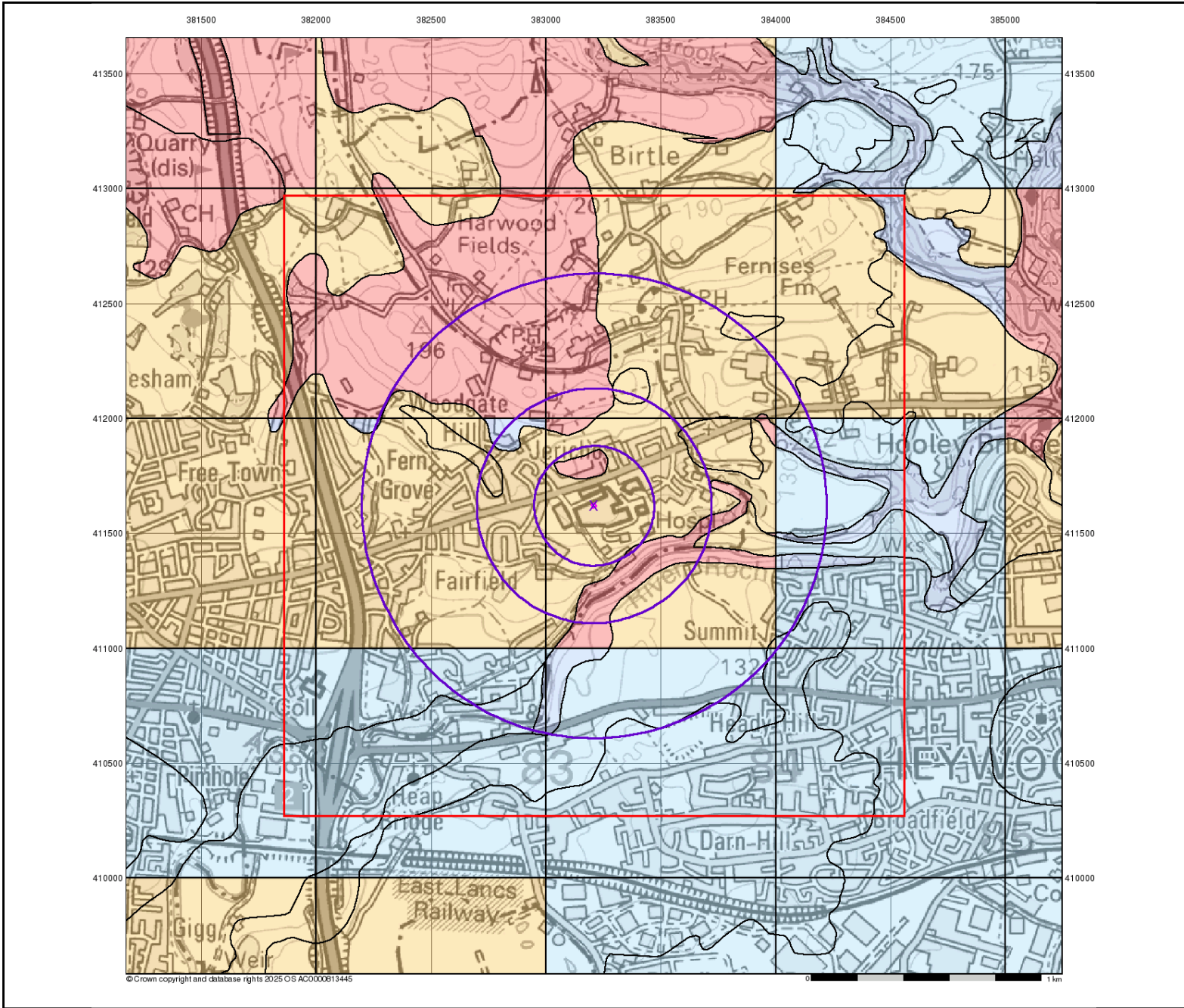


Order Details

Order Details: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD



Curtins

Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

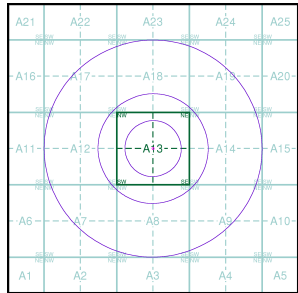
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

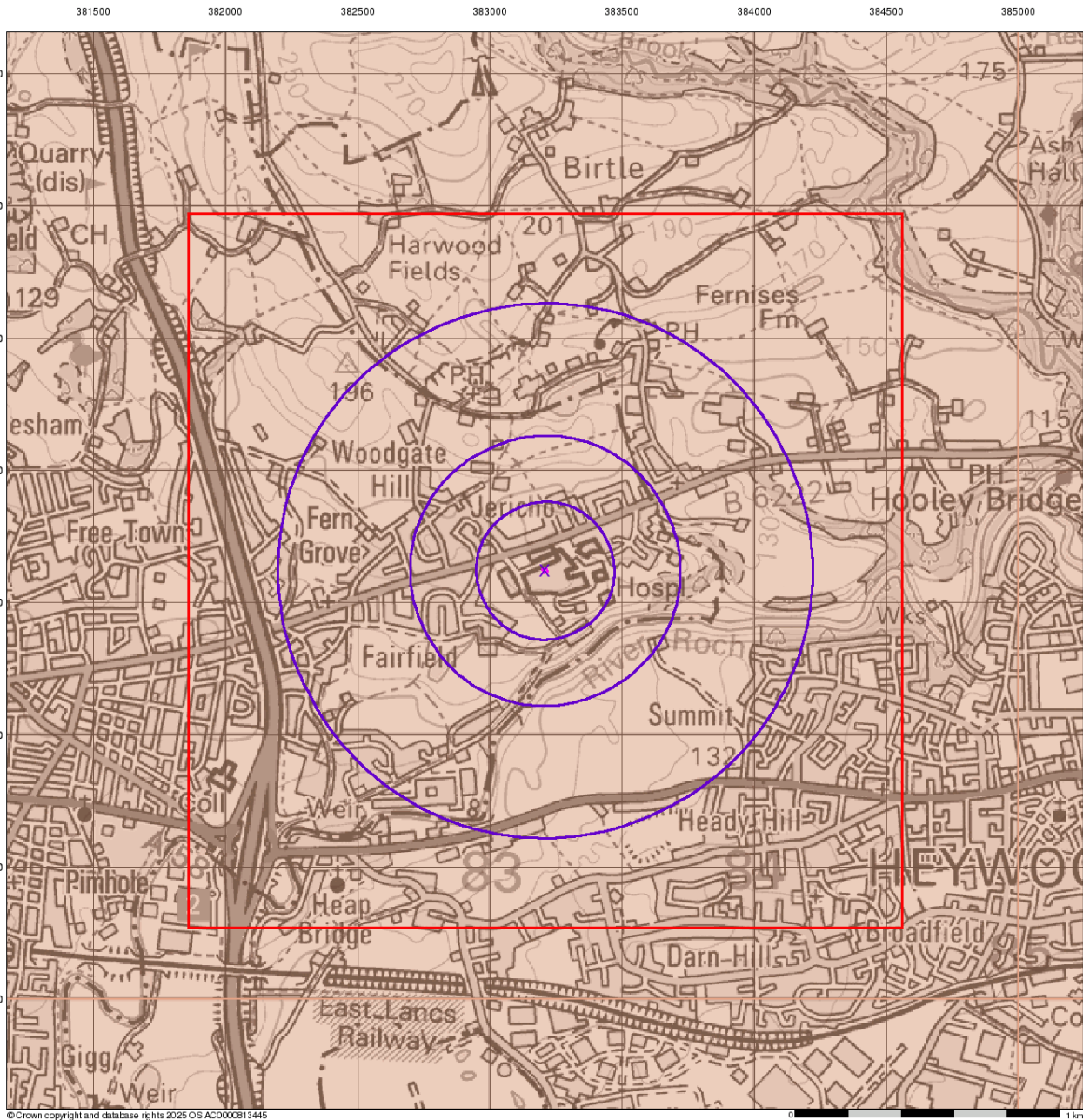
Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

Landmark
INFORMATION GROUP

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



© Crown copyright and database rights 2025 OS AC0000613445

Curtins

Bedrock Aquifer Designation

General

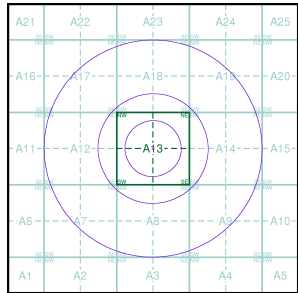
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD

Landmark
INFORMATION GROUP

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

Superficial Aquifer Designation

General

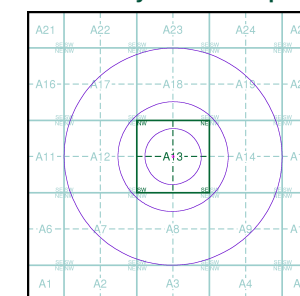
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point
-  Slice
-  Map ID

Agency and Hydrological

Geological Classes

-  Principal Aquifer
-  Secondary A Aquifer
-  Secondary B Aquifer
-  Secondary Undifferentiated
-  Unproductive Strata
-  Unknown
-  Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A

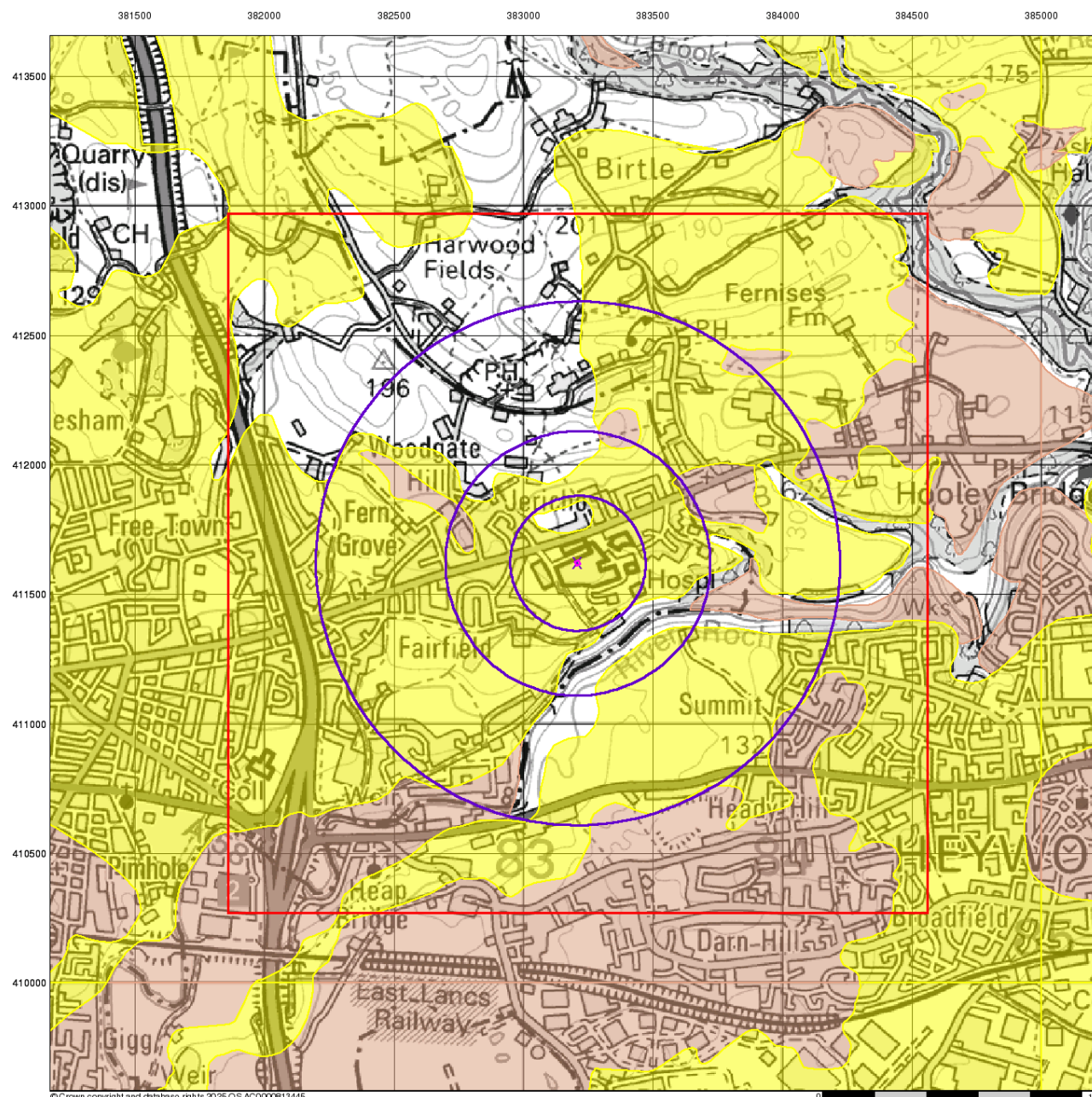


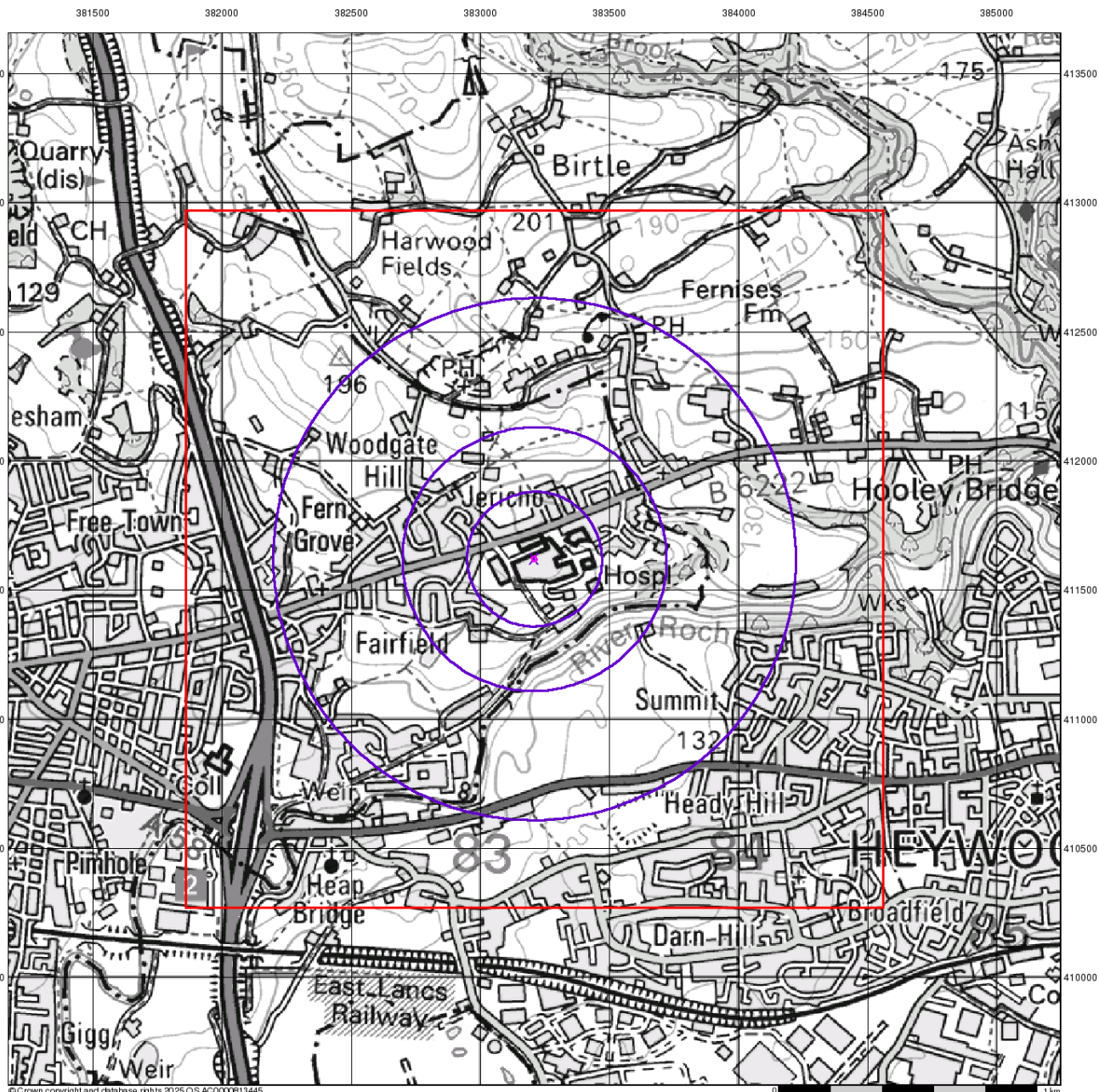
Order Details

Order Number: 374880608_1_1
 Customer Ref: 086745 Bury ED
 National Grid Reference: 383210, 411620
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital,
 Rochdale Old Road, BURY, BL9 7TD





© Crown copyright and database rights 2025 OS AC0000613445

Curtins

Source Protection Zones

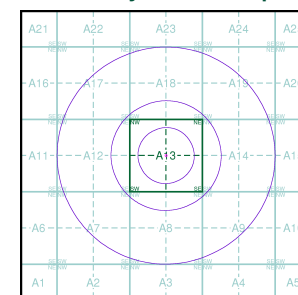
General

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

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 374880608_1_1
 Customer Ref: 086745 Bury ED
 National Grid Reference: 383210, 411620
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital,
 Rochdale Old Road, BURY, BL9 7TD

Landmark
 INFORMATION GROUP

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

Sensitive Land Uses

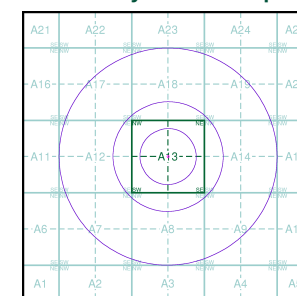
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

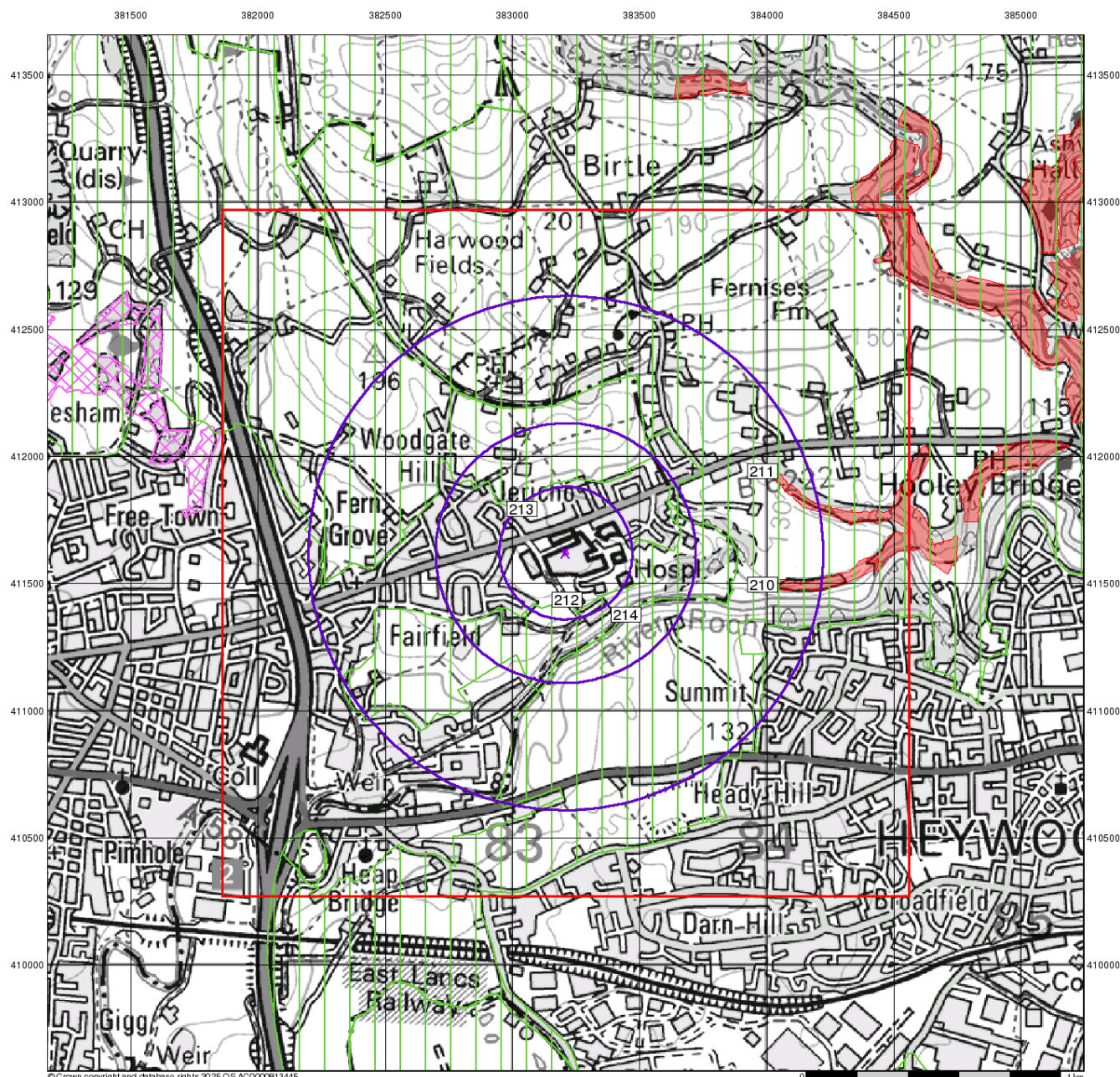


Order Details

Order Number: 374880608_1_1
 Customer Ref: 086745 Bury ED
 National Grid Reference: 383210, 411620
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital,
 Rochdale Old Road, BURY, BL9 7TD



BGS Flood GFS Data

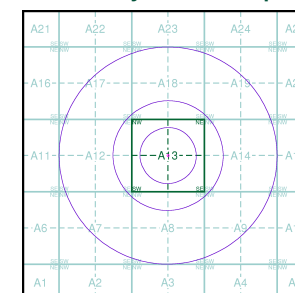
General

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

Agency and Hydrological (Flood)

-  Limited Potential for Groundwater Flooding to Occur
-  Potential for Groundwater Flooding of Property Situated Below Ground Level
-  Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A

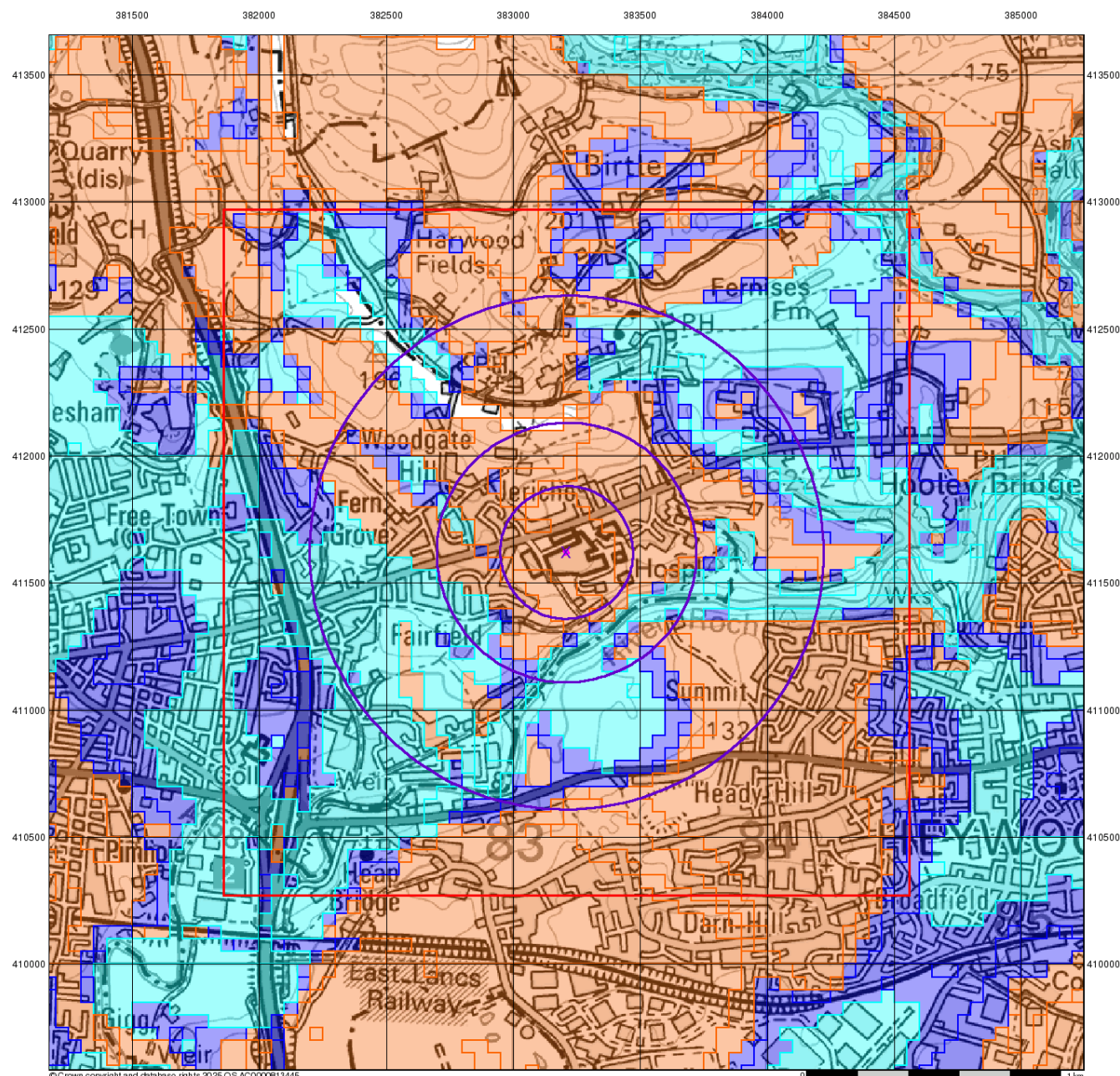


Order Details

Order Number: 374880608_1_1
 Customer Ref: 086745 Bury ED
 National Grid Reference: 383210, 411620
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital,
 Rochdale Old Road, BURY, BL9 7TD



Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

374880608_1_1

Customer Reference:

086745 Bury ED

National Grid Reference:

383210, 411620

Slice:

A

Site Area (Ha):

0.03

Search Buffer (m):

1000

Site Details:

Northern Care Alliance NHS Foundation Trust
Fairfield General Hospital
Rochdale Old Road
BURY
BL9 7TD

Client Details:

Ms L Woods
Curtins Consulting Ltd
Merchant Exchange
17-19 Whitworth Street West
Manchester
M1 5WG

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	7
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	8
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	10
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	11
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	12
Data Suppliers	13
Useful Contacts	14

Copyright Notice

© Landmark Information Group Limited 2025. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Stantec UK Limited. All rights reserved.

The brine subsidence data relating to the Droitwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1		2	3	21
Coal Mining Affected Areas	pg 5	Yes	n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability	pg 5	Yes	n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas	pg 5	4	1	1	3
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 7		1	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 8		1	4	3
Heap, unknown constituents	pg 8			1	2
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite	pg 8		1	2	
Quarrying of sand & clay, operation of sand & gravel pits	pg 8			3	3
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 8		3	7	2
Potentially Infilled Land (Water)	pg 9				3
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 10	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 10	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 10	Yes	Yes	n/a	n/a
Salt Mining Related Features					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites Site Name: Smethurst Hall Brickworks Location: Duckworth Fold, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15316 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	189	1	383130 411800
2	BGS Recorded Mineral Sites Site Name: Broad Oak Wood Location: Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96525 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	218	1	383343 411437
3	BGS Recorded Mineral Sites Site Name: Broad Oak Location: Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96575 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NW (S)	364	1	383150 411250
4	BGS Recorded Mineral Sites Site Name: Boaredge Pottery Location: Jericho, Bury, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106051 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18SW (N)	431	1	383174 412060
5	BGS Recorded Mineral Sites Site Name: Smethurst Wood Location: Woodgate Hill, Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96574 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (E)	438	1	383658 411628
6	BGS Recorded Mineral Sites Site Name: Prettywood Location: Heady Hill, Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96527 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NW (S)	507	1	383199 411103

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	BGS Recorded Mineral Sites Site Name: Woodgate Hill Location: Woodgate Hill, Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96573 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	510	1	382770 411900
8	BGS Recorded Mineral Sites Site Name: Gallow'S Hill Quarries Location: Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15615 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SW (N)	562	1	383025 412160
9	BGS Recorded Mineral Sites Site Name: Gallows Hill Location: Jericho, Bury, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106055 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	587	1	382968 412164
10	BGS Recorded Mineral Sites Site Name: Rough Stones Location: Jericho, Bury, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106052 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	588	1	382728 411976
11	BGS Recorded Mineral Sites Site Name: Rough Stones Location: Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96516 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	635	1	382715 412035
12	BGS Recorded Mineral Sites Site Name: Malkin Location: Birtle Moor, Birtle, Rochdale, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106056 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SW (N)	640	1	382990 412230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	BGS Recorded Mineral Sites Site Name: Rough Stones Location: Jericho, Bury, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106054 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	700	1	382678 412091
13	BGS Recorded Mineral Sites Site Name: Rough Stones Location: Jericho, Bury, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106053 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	739	1	382639 412107
14	BGS Recorded Mineral Sites Site Name: Church Location: Birtle Moor, Birtle, Rochdale, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106058 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (NW)	731	1	382920 412300
15	BGS Recorded Mineral Sites Site Name: Church Quarry Location: Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15037 Type: Opencast Status: Ceased Operator: Ardwick Plant Hire Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	757	1	382830 412285
15	BGS Recorded Mineral Sites Site Name: Church Quarry Location: Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15037 Type: Opencast Status: Ceased Operator: Ardwick Plant Hire Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	757	1	382830 412285
15	BGS Recorded Mineral Sites Site Name: Church Quarry Location: Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15037 Type: Opencast Status: Ceased Operator: Ardwick Plant Hire Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Silica Sand Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	757	1	382830 412285

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	BGS Recorded Mineral Sites Site Name: Church Quarry Location: Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15037 Type: Opencast Status: Ceased Operator: Ardwick Plant Hire Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	757	1	382830 412285
16	BGS Recorded Mineral Sites Site Name: Castle Hill Quarry Location: Castle Hill Road, Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 3823 Type: Opencast Status: Ceased Operator: D. Campbell Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	774	1	383040 412385
17	BGS Recorded Mineral Sites Site Name: Church Location: Birtle Moor, Birtle, Rochdale, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106057 Type: Opencast Status: Ceased Operator: James Greenwood Ltd. Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	796	1	382862 412345
17	BGS Recorded Mineral Sites Site Name: Castle Hill Quarry Location: Birtle Moor, Birtle, Rochdale, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 106059 Type: Opencast Status: Ceased Operator: D. Campbell Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (NW)	832	1	382879 412392
18	BGS Recorded Mineral Sites Site Name: Woodgate Hill Location: Woodgate Hill, Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96571 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	870	1	382554 412208
19	BGS Recorded Mineral Sites Site Name: Boo Hole Sand Pit Location: Bury New Road, Heady Hill, Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 207368 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8SE (S)	935	1	383467 410712

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	BGS Recorded Mineral Sites Site Name: Castle Hill Location: Woodgate Hill, Jericho, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96572 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	962	1	382929 412550
21	BGS Recorded Mineral Sites Site Name: Carr Location: Birtle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96517 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Milnrow Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19NW (N)	987	1	383560 412555
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NW (E)	0	2	383210 411620
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (E)	0	3	383210 411620
	Non Coal Mining Areas of Great Britain No Hazard				
22	Potential Mining Areas Name: Boaredge Ceased Operation: 1872 Commodity: Fireclay Reference: 8648 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13NW (E)	0	4	383210 411620
23	Potential Mining Areas Name: Smethurst Hall Ceased Operation: 1904 Commodity: Fireclay Reference: 4684 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13NW (E)	0	4	383210 411620
24	Potential Mining Areas Name: Smethurst Hall Ceased Operation: 1920 Commodity: Fireclay; Foot Reference: 7086 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13NW (E)	0	4	383210 411620
25	Potential Mining Areas Name: Smethurst Hall Nos 1, 2 Ceased Operation: 1931 Commodity: Fireclay Reference: 10323 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13NW (E)	0	4	383210 411620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Potential Mining Areas Name: Bury Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13SW (S)	28	4	383209 411582
27	Potential Mining Areas Name: Lomax Wood Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A8NW (S)	431	4	383206 411180
28	Potential Mining Areas Name: Birtle Ceased Operation: 1884 Commodity: Coal; Mountain; Forty Yards Reference: 1616 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A18NE (N)	767	4	383353 412385
29	Potential Mining Areas Name: Birtle Ceased Operation: 1871 Commodity: Coal; Forty Yards Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Winstanley and Ashworth, 42 Deansgate, Manchester.	A18NE (N)	767	4	383353 412385
30	Potential Mining Areas Name: Birtle-cum-Bamford Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A18NE (N)	767	4	383353 412385

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Deposited Material First Map Published 1958 Date: Last Map Published N/A Date:	A13NE (NE)	99	3	383282 411702

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	General Quarrying Use: Not Supplied Date of Mapping: 1851	A13SE (SE)	227	3	383350 411431
33	General Quarrying Use: Not Supplied Date of Mapping: 1851	A8NW (S)	376	3	383155 411238
34	General Quarrying Use: Not Supplied Date of Mapping: 1894	A14NW (E)	451	3	383672 411621
35	General Quarrying Use: Not Supplied Date of Mapping: 1851 - 1894	A18SW (N)	495	3	383046 412096
36	General Quarrying Use: Not Supplied Date of Mapping: 1851 - 1894	A12NE (NW)	500	3	382779 411894
37	General Quarrying Use: Not Supplied Date of Mapping: 1894 - 1956	A18NW (N)	702	3	383001 412299
38	General Quarrying Use: Not Supplied Date of Mapping: 1894 - 1956	A17SE (NW)	725	3	382843 412255
39	General Quarrying Use: Not Supplied Date of Mapping: 1894	A18NW (N)	963	3	382930 412551
40	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1931	A8NE (S)	422	3	383227 411189
41	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1931 - 1956	A8NW (S)	650	3	383108 410968
42	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1931	A18NW (N)	904	3	383047 412519
43	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1851	A13SW (SW)	225	3	382999 411520
44	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1851	A13NE (NE)	347	3	383506 411818
45	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1851	A8NE (S)	416	3	383229 411194
46	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1894	A12SE (W)	372	3	382833 411558
47	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1851	A18SW (N)	379	3	383199 412009
48	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1894 - 1910	A8NW (S)	427	3	383201 411183
49	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1910 - 1984	A8SE (S)	913	3	383457 410733
50	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1931 - 1956	A8SE (S)	915	3	383348 410706
51	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1851	A8SE (S)	938	3	383469 410710
52	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13NW (NW)	116	3	383154 411731

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13NE (NE)	148	3	383273 411766
54	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13SW (SW)	225	3	382999 411520
55	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13NW (N)	253	3	383138 411872
56	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13NE (NE)	347	3	383506 411818
57	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A12SE (W)	372	3	382833 411558
58	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A18SW (N)	379	3	383199 412009
59	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A8NW (S)	427	3	383201 411183
60	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A14NW (E)	451	3	383672 411621
61	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A12NE (NW)	500	3	382779 411894
62	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A18SW (NW)	626	3	382927 412188
63	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A8SE (S)	926	3	383350 410696
64	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A7SE (SW)	773	3	382838 410930
65	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A19NW (NE)	791	3	383616 412312
66	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A7SE (SW)	798	3	382802 410921

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
67	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	383210 411620
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	383210 411620
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	383210 411620
68	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	383210 411620
69	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	77	1	383220 411534
70	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	206	1	383341 411450
71	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	220	1	383376 411462
72	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	243	1	383463 411636
73	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	383210 411620
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	206	1	383341 411450
74	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	383210 411620
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	145	1	383174 411770
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	206	1	383341 411450

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Lancashire And Furness	088_06	1894
Lancashire And Furness	088_06	1910
Lancashire And Furness	088_06	1930
Lancashire And Furness	088_06	1937

The following mapping has been analysed for Historical Land Use Information (1:10,000):

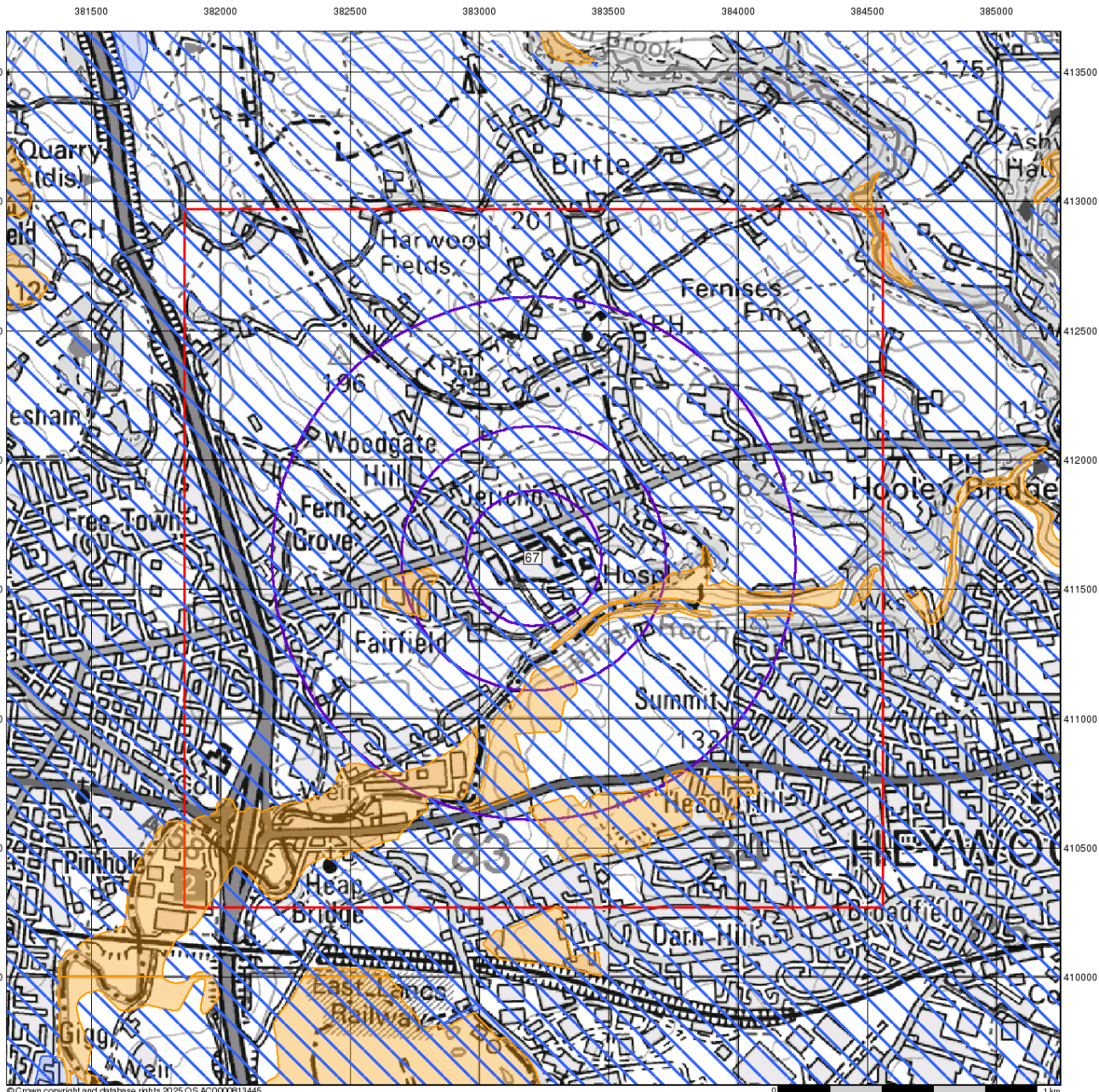
1:10,560	Mapsheet	Published Date
Lancashire And Furness	088_00	1851
Lancashire And Furness	088_NE	1894
Lancashire And Furness	088_NW	1894
Lancashire And Furness	088_SE	1894
Lancashire And Furness	088_SW	1894
Lancashire And Furness	088_SE	1910
Lancashire And Furness	088_SW	1910
Lancashire And Furness	088_NE	1911
Lancashire And Furness	088_NW	1911
Lancashire And Furness	088_NW	1931
Lancashire And Furness	088_SW	1931
Lancashire And Furness	088_NE	1932
Lancashire And Furness	088_SE	1932
Ordnance Survey Plan	SD81SW	1956
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SD81SW	1984

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2025	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2023	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2023	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	 The Coal Authority
Ove Arup	
Stantec UK Ltd	 Stantec
Wardell Armstrong	 wardell armstrong your earth our world
Johnson Poole & Bloomer	

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	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
3	Landmark Information Group Limited Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6619 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
4	Landmark Information Group Limited Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6627 Fax: 0844 844 9951 Email: customerservice@promap.co.uk Website: www.landmark.co.uk
-	Landmark Information Group Limited Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk



© Crown copyright and database rights 2025 OS AC0000613445

Curtins

Ground Stability Data (1:50,000)

General

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

Potential for Compressible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Collapsible Ground Stability Hazards

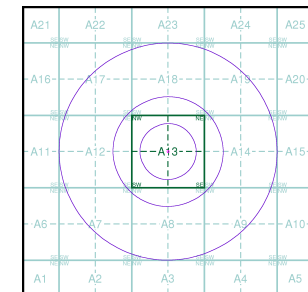
- High
- Moderate
- Low
- Very Low

Brine Pumping and Salt Mining

- Brine Pumping Related Feature
- Salt Mining Related Feature

- | Point | Polygon |
|-------|---------|
| ▲ | ▢ |
| ▲ | ▢ |

Mining and Ground Stability - Slice A



Order Details

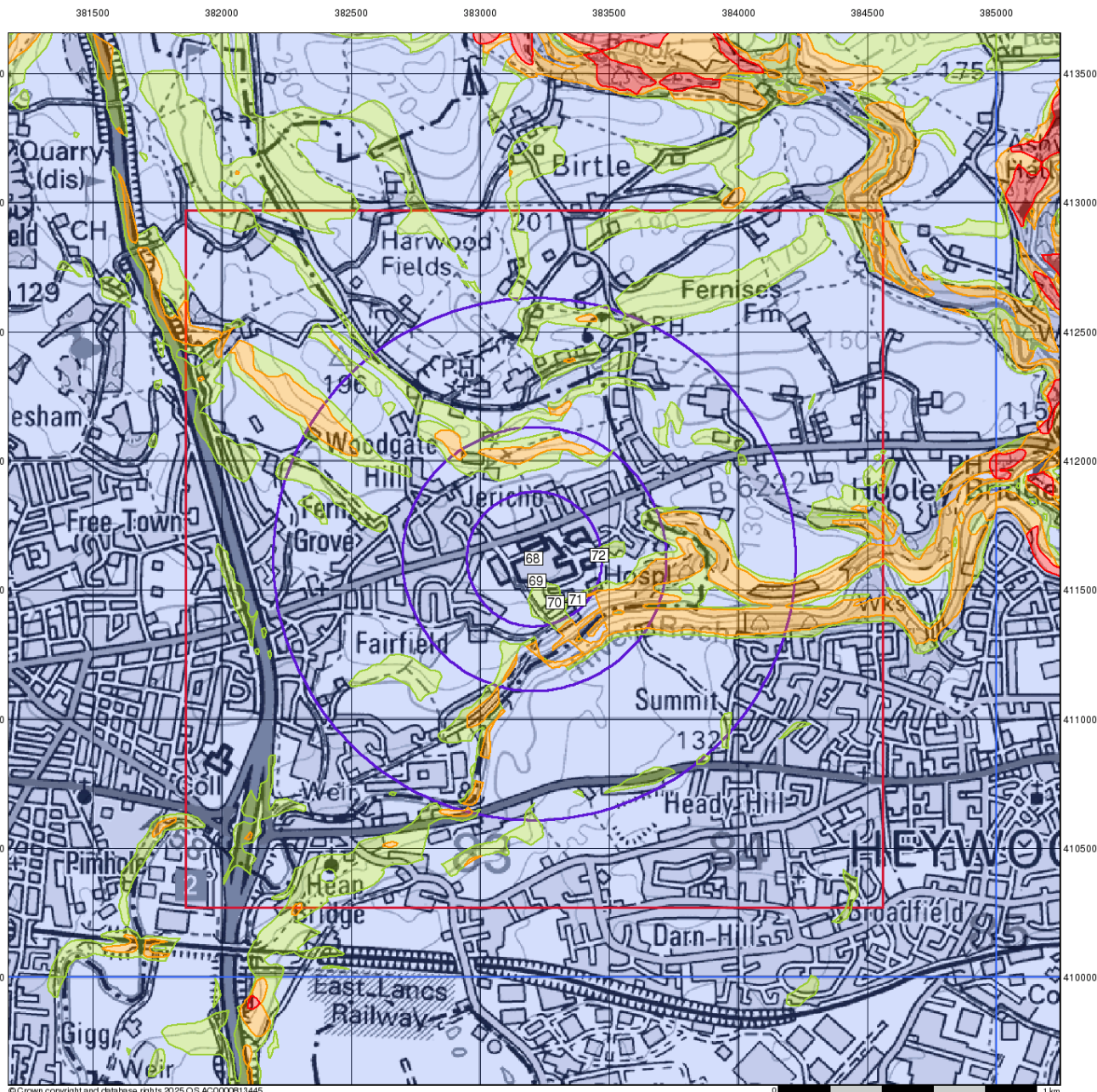
Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital,
Rochdale Old Road, BURY, BL9 7TD

Landmark
INFORMATION GROUP

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



© Crown copyright and database rights 2025 OS AC0000613445

Curtins

Ground Stability Data (1:50,000)

General

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

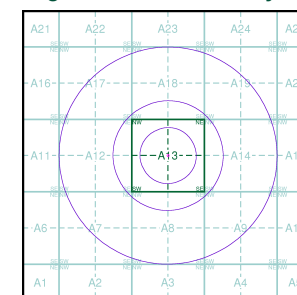
Potential for Landslide Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Moderate
- Low
- Very Low

Mining and Ground Stability - Slice A



Order Details

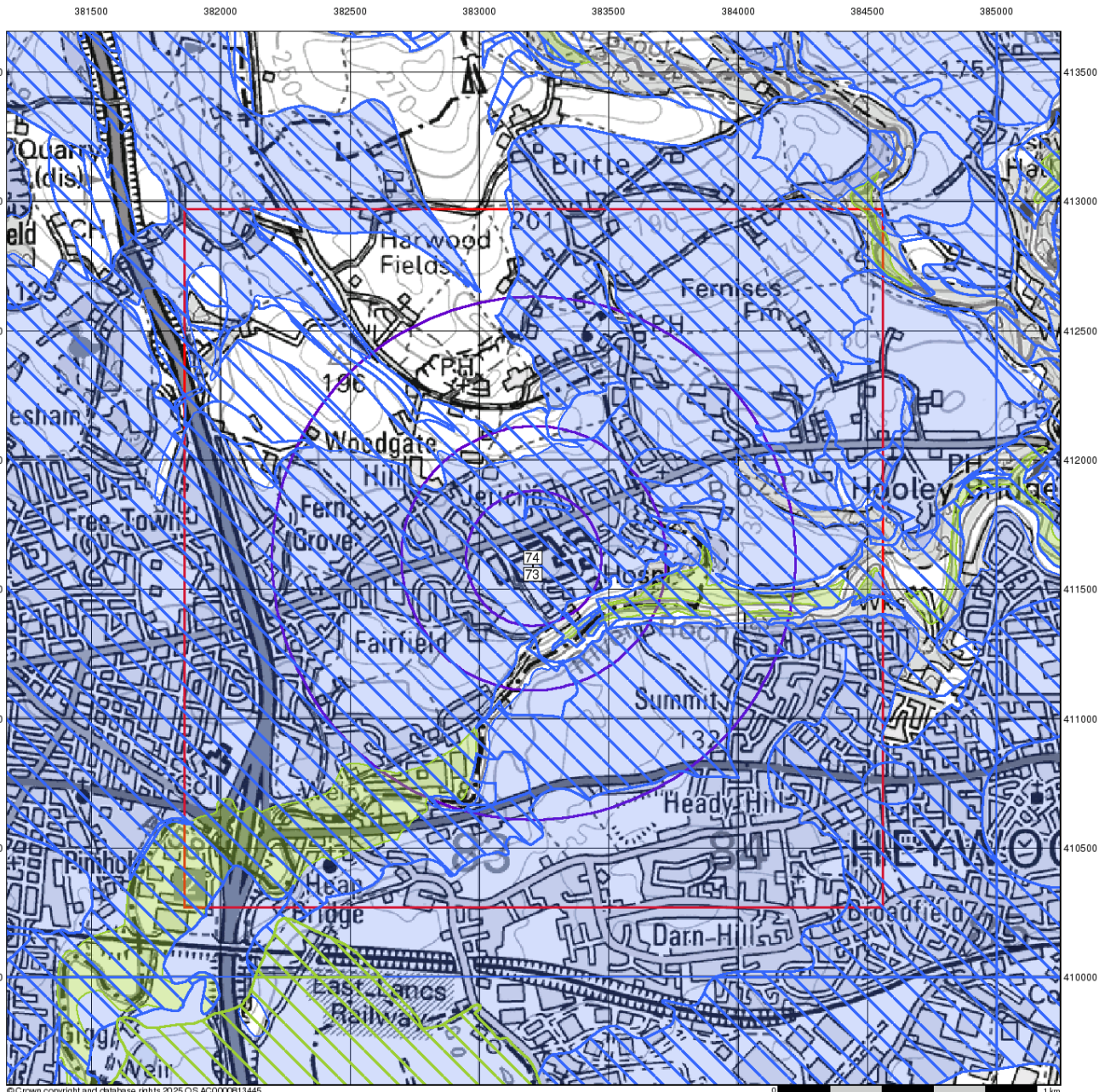
Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital,
Rochdale Old Road, BURY, BL9 7TD

Landmark
INFORMATION GROUP

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



© Crown copyright and database rights 2025 OS AC0000613445

Curtins

Ground Stability Data (1:50,000)

General

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

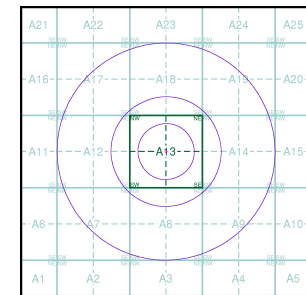
Potential for Running Sand Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Mining and Ground Stability - Slice A



Order Details

Order Number: 374880608_1_1
 Customer Ref: 086745 Bury ED
 National Grid Reference: 383210, 411620
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital,
 Rochdale Old Road, BURY, BL9 7TD

Landmark
 INFORMATION GROUP

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

Historical Land Use Information (1:10,000)

General

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

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits			

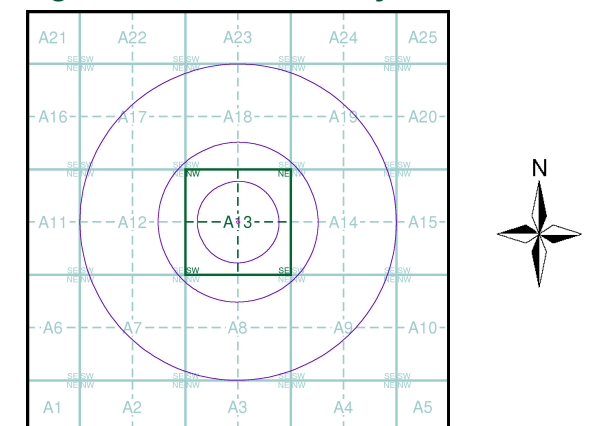
Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Former Marsh			

Mining Data

- Potential Mining Area
BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield
General Hospital, Rochdale Old Road, BURY, BL9 7TD

General

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

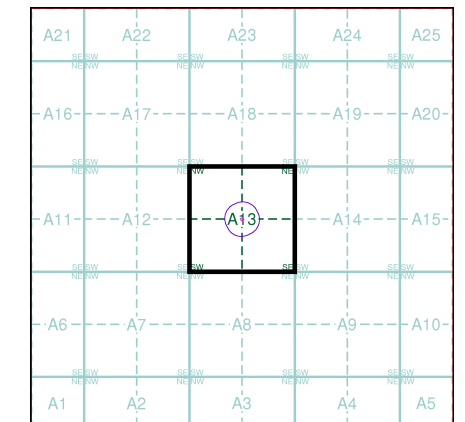
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	---	■

Mining and Ground Stability - Segment A13

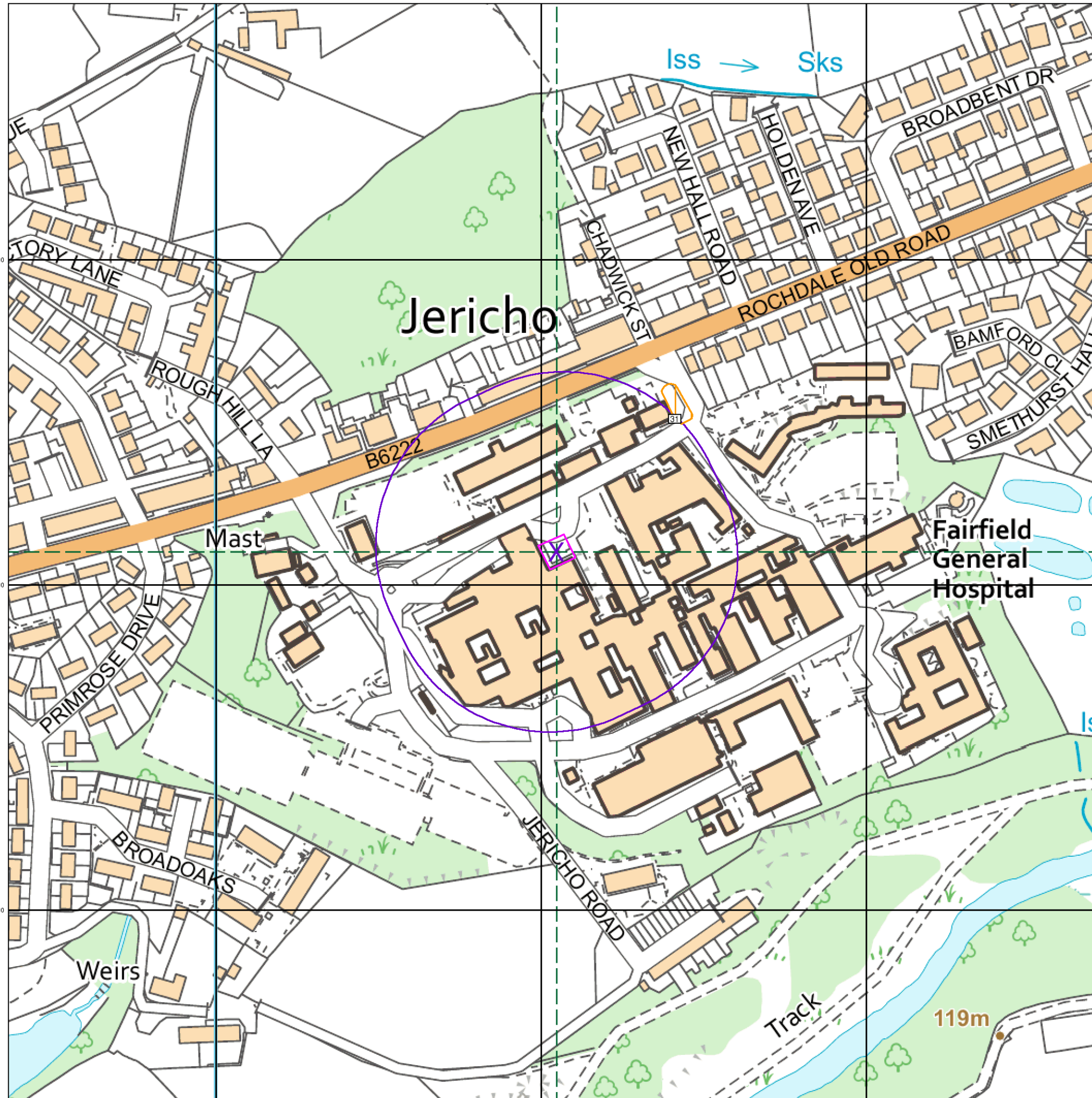


Order Details

Order Number: 374880608_1_1
Customer Ref: 086745 Bury ED
National Grid Reference: 383210, 411620
Slice: A
Site Area (Ha): 0.03
Plot Buffer (m): 100

Site Details

Northern Care Alliance NHS Foundation Trust, Fairfield General Hospital, Rochdale Old Road, BURY, BL9 7TD



Appendix C – Mining Remediation Authority Report and Correspondence



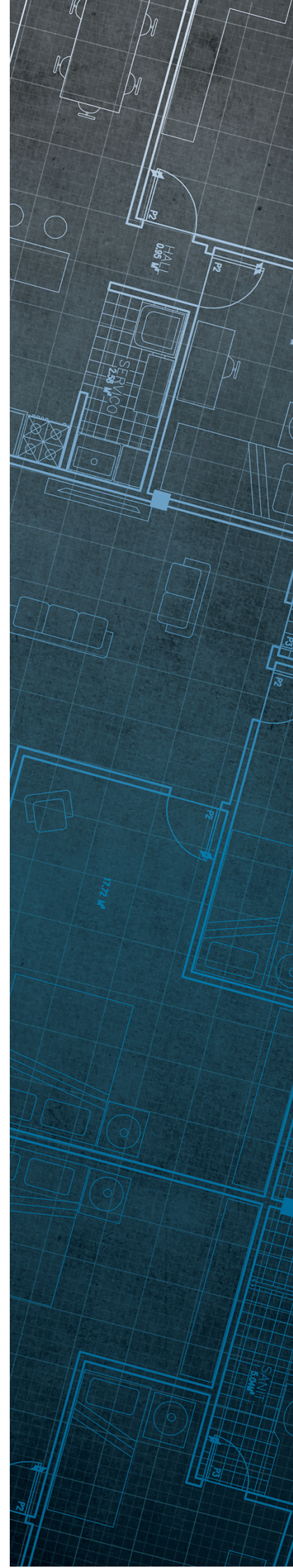
The Coal
Authority

Consultants Coal Mining Report

Fairfield General Hospital
Rochdale Old Road
Bury
Bury
BL9 7TD

Date of enquiry: 17 April 2025
Date enquiry received: 17 April 2025
Issue date: 17 April 2025

Our reference: 51003492710001
Your reference: 22747



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

Curtins

Enquiry address

Fairfield General Hospital
Rochdale Old Road
Bury
Bury
BL9 7TD

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

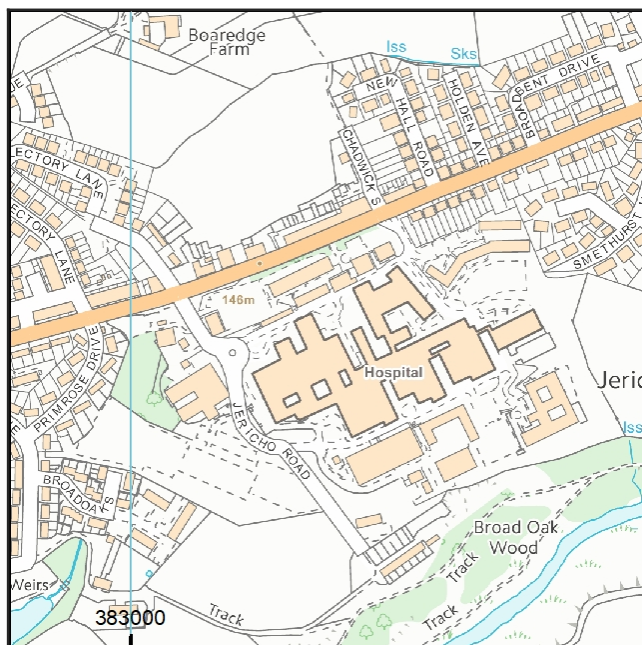
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved.

Ordnance Survey Licence number: AC0000820577

Section 1 – Mining activity and geology

Past underground mining

No past mining recorded.

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	383411-006	383145 411531	This shaft was located in June 1982 and was proved to be 24m deep. Since it is known that no coal seams exist this close to the surface it was concluded that the shaft was not sunk for the purposes of coal mining. The shaft is therefore not in the ownership of the Coal Authority. We have no knowledge of what treatment if any was afforded to this shaft.	Fireclay	
Shaft	383411-014	383199 411627	Mine entry capped during construction of hospital circa 1995. Cap located August 2023.	Coal	

Abandoned mine plan catalogue numbers

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

OM10323	OM4684	OM7086
16820	OM8648	

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.

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 31 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.

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.

Section 4 – Further information

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

Future development

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 specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

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.

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. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

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.

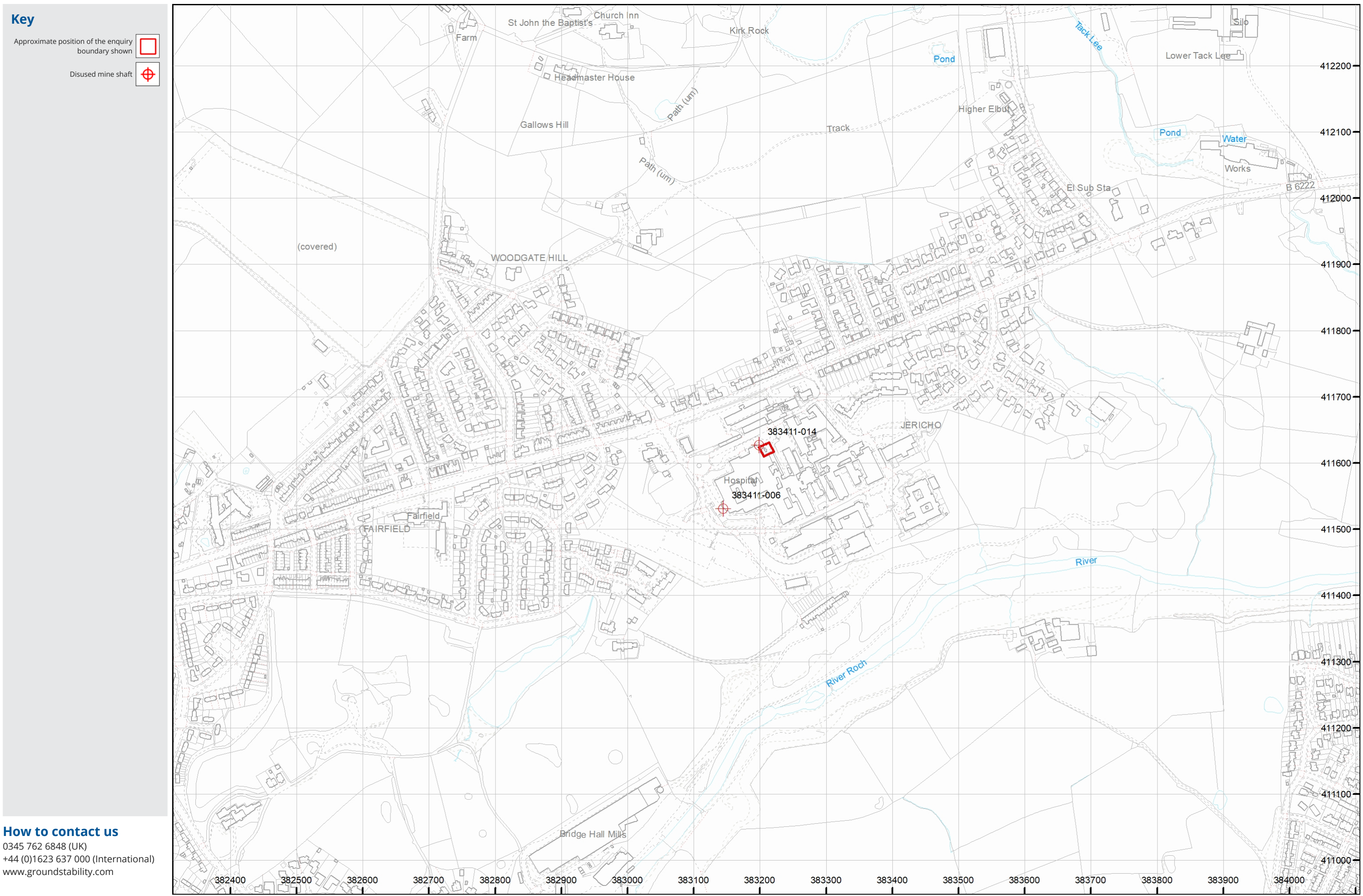
Withdrawal of support notices

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.

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



Appendix D – Qualitative Risk Assessment Rationale

The site-specific risk assessment, presented in this report, follows the principle of establishing whether there is a viable linkage between a contaminant source to a potential receptor, via an exposure pathway.

The risk assessment corresponds with the total site area and incorporates both descriptive (qualitative) and, where available, numerical (quantitative) lines of evidence.

Risk assessment is the process of collating known information on a hazard or set of hazards to estimate actual or potential risk to receptors. The receptor may be humans, a water resource, a sensitive local ecosystem, or future construction materials. Receptors can be connected to the source by one or several exposure pathways such as direct contact for example. Risks are managed by isolating the receptor or intercepting the exposure pathway or by isolating or removing the hazard.

Without the three essential components of a source, pathway, and receptor there can be no risk. Therefore, the presence of contaminant source on a site does not necessarily mean there is a risk.

The risk assessment considers the likelihood of a particular event taking place (accounting for the presence of the source and receptor and the viability of the exposure pathway) in conjunction with the severity of the potential consequence (accounting for the potential severity of the hazard and the sensitivity of the receptor).

In the risk assessment the consequence of the hazard has been classified as severe, medium, mild, or minor and the probability (likelihood) of the circumstances occurring classified as high likelihood or low likelihood or unlikely.

The consequences and probabilities are subsequently cross correlated to give a qualitative estimation of the risk using Department of the Environment risk classifications as detailed in the table below and as referenced in CIRIA C552.

		Consequence			
		Severe	Medium	Mild	Minor
Probability (Likelihood)	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate/Low Risk
	Likely	High Risk	Moderate Risk	Moderate/Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate/Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate/Low Risk	Low Risk	Very Low Risk	Very Low Risk

In accordance with DoE guidance, the following categorisation of **consequence** has been developed.

Classification	Definition	Examples
Severe	Short-term (acute) risk to human health likely to result in “significant harm” as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resource. Catastrophic damage to buildings/property. A short-term risk to an ecosystem or organisation forming part of such ecosystem.	High concentrations of cyanide on the surface of an informal recreation area. Major spillage of contaminants from site into controlled water. Explosion, causing building collapse (can also equate to a short-term human health risk if buildings are occupied).
Medium	Chronic damage to Human Health. Pollution of sensitive water resources. A significant change in an ecosystem or organism forming part of such ecosystem.	Concentration of a contaminant from site exceeds the generic or site-specific assessment criteria. Leaching of contaminants from a site to a Principal or Secondary A aquifer. Death of a species within a designated nature reserve. Lesser toxic and asphyxiate effects
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures, and services. Damage to sensitive buildings/structures/services or the environment.	Pollution of non-classified groundwater (Inc. Secondary B aquifers). Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
Minor	Harm, although not necessarily significant harm, which may result in a financial loss or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc). Easily repairable effects of damage to buildings, structures, and services.	The presence of contaminants at such concentrations that protective equipment is required during site works. The loss of plants in a landscaping scheme. Discoloration of concrete.

In accordance with DoE guidance, the following categorisation of **probability** has been developed.

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

In accordance with DoE guidance, the following categorisation of **risk** has been developed.

Classification	Definition
Very High Risk	There is a <i>high probability</i> that <i>severe harm</i> could arise to a designated receptor from an identified hazard at the site without appropriate further action.
High Risk	<i>Harm is likely to arise</i> to a designated receptor from an identified hazard at the site without appropriate further action.
Moderate Risk	<i>It is possible</i> that without appropriate further action <i>harm could arise</i> to a designated receptor. It is relatively <i>unlikely</i> that any such harm would be <i>severe</i> , and if any harm were to occur it is <i>more likely</i> that such harm would be <i>relatively mild</i> .
Low Risk	<i>It is possible</i> that <i>harm could arise</i> to a designated receptor from an identified hazard. It is <i>likely</i> that, at worst, if any harm was realised any effects would be <i>mild</i> .
Negligible Risk	The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.

The term 'risk' in this instance refers to the risk that the source, pathway, receptor linkage for a given source of contamination is complete. It does not refer to immediate risk to individuals or features present on the site from potential contaminants and is intended to be used as a tool to assess the necessity of further investigation.