

CLIFF AVENUE, SUMMERSEAT

PHASE 1: PRELIMINARY RISK ASSESSMENT

Job Number: LKC 23 1294

Date: 8th August 2023

Client: Sterling Property Co. Limited



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LK Consult			
Document Verification			
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1 Introduction

LK Consult Ltd (LKC) has been commissioned to carry out a Phase 1 Preliminary Risk Assessment (PRA) for land at 2 Cliff Avenue, Summerseat.

In accordance with current guidance (including LCRM¹ and the National Planning Policy Framework (NPPF)²), the PRA will include a site reconnaissance, site history, geology, hydrogeology, hydrology, mineral search and a landfill search. Information gathered from the desk study and site reconnaissance will be used to develop a contamination conceptual model for the site.

In addition, the information gathered will be used to identify potential geotechnical constraints associated with the redevelopment of the site.

Based on the findings of this report, an appropriate site investigation can be derived, if required.

Site details are provided in Table 1-1. Figure 1 shows the site location and boundary. Figure 2 shows the proposed development plan.

Site Location	Northwest of Intersection between Cliff Avenue and Crag Lane, Summerseat. Centred at approximate National Grid Reference 379610E 414970N.
Approximate Area	2,500m ² .
Topography	145 metres Above Ordnance Datum (AOD). Site slopes down steeply from the east.
Current Site Use	Disused residential property with associated driveway and gardens.
Purpose of Report	Pre-planning.
Proposed Development	5no. residential properties (semi-detached and detached) with gardens and associated driveways.

Table 1-1: Summary of site details.

¹ Land Contamination Risk Management (LCRM) <https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm>

² "National Planning Policy Framework." The Ministry of Housing, Communities and Local Government. Published March 2012, Updated July 2021.

2 Historical Review

In compiling the site history, LKC consulted Envirocheck historical mapping (Appendix A) and other public domain aerial photography.

Table 2-1 summarises features on site.

Site Features	Location on Site	Dates Present		Comments
		From	To	
Sandstone Quarry	NE	1850	1850	No longer present from 1893 mapping, possible mapping error as present onsite from 1893 mapping.
Quarry	NE	1893	1971	Annotated 'Old Quarry' from 1910 mapping. 1no. small building present within the NE of the Quarry from 1929 mapping. Building no longer present and 2no. trees appear from 1937 mapping. No longer present from 1974 mapping.
Unreferenced Building (residential property)	W	1963	Present	Building remodelled and expanded from 1977 mapping.

Table 2-1: Summary of site features. Dates based on available historical map editions.

Table 2-2 summarises potentially contaminative land uses within approximately 50m and potentially infilled features within approximate 250m.

Surrounding Area Features	Distance (m)	Direction	Dates Present		Comments
			From	To	
Cragg Farm	11	E	1893	1982	No longer present from 1992 mapping, appears to be residential development.
Reservoir	73	NE	1850	Present	
Reservoir	100	N	1850	Present	
Reservoir	169	SE	1893	1956	No longer annotated from 1930 mapping. Outline present until 1956 mapping. No longer present from 1963 mapping.
Sandstone Quarry	170	S	1850	Present	Annotated 'Old Quarry' from 1893 mapping. No longer annotated from 1929 mapping; however, feature still present.

Table 2-2: Summary of potentially contaminative features within 50m and potentially infilled features with 250m. Dates are based on available historical map editions.

3 Environmental Setting

A summary of environmental settings is presented in Table 3-1, based on a review of available environmental data.

Categories (data sources)		Details
Geology ^{1, 2}	Artificial	- No BGS recorded artificial ground.
	Superficial	- Till (Diamicton).
	Bedrock	- Brooksbottoms Grit (sandstone).
	BGS Logs (<50m)	- None.
Hydro-geology ¹	Aquifer Designation	- Superficial - Bedrock
		- Secondary Undifferentiated Aquifer.
		- Secondary A Aquifer.
	Source Protection Zone (SPZ)	- Site not within an SPZ.
Hydrology ¹	Groundwater Abstractions (100m)	- None.
	Surface Water Courses (100m)	- River Irwell 53m N.
	Flooding Risk	- Flood Zone 1.
	Surface Water Abstractions (100m)	- None.
	Discharge Consents (onsite)	- None.
	Pollution Incidents (onsite)	- None.
Minerals & Mining ^{1,4,5}	Coal Mining	- Within a Coal Reporting Area. - Not within a Development High Risk Area.
	Surface Mineral Extractions (250m)	- Onsite NE Cragg Farm, Commodity: Sandstone, Status: Ceased. - 213m S Rowlands, Commodity: Sandstone, Status: Ceased.
	Cheshire Brine Compensation District	- Not within Compensation District. - Not within Consultation Area.
	Non-Coal Mining Area	- Rare risk.
Ground Stability ¹	Collapsible Ground	- Very low hazard.
	Compressible Ground	- No hazard.
	Ground Dissolution	- No hazard.
	Landslide	- Moderate hazard.
	Running Sand	- Very low hazard.
	Shrinking / Swelling Clay	- Very low hazard.
Landfill Sites (250m) ¹	Known / Registered	- 223/236m SW, Miller Street landfill. Deposited waste included inert waste.
	Potentially Infilled Land (non-water and water), based on Envirocheck Report	- 5no. features: Onsite E, 7m NE, 125m N, 128m N, 152m NW.
	Potentially infilled sites, based on LKC historical review	- 6no. features: See Table 2-1 and Table 2-2.

Table 3-1: Summary of the environmental setting.

Notes: Distance in brackets is the distance from site that features are included. Where no distance given, features relate to on site only.

Data Sources:

1 Envirocheck Report (Appendix A & B)

2 BGS Sheet 76 1:50,000

4 The Coal Authority Web Mapping Services (WMS) /

Interactive Map Viewer <http://coal.decc.gov.uk/en/coal/cms/publications/data/map/map.aspx>

5 Cheshire Brine Subsidence Compensation Board Compensation District & Consultation Areas <http://www.cheshirebrine.com/wp-content/uploads/2016/11/NL08134-001-002.pdf>

Categories ^(data sources)	Details
Radon Potential ¹	- 1-3% of homes above Action Level. No protective measures are necessary in the construction of new dwellings or extensions.
Designated Sites (50m) ¹	- Adopted Green Belt onsite to the NW.
Contemporary Trade Directory (50m) ¹	- None.
Fuel Station Entries (50m) ¹	- None.
Unexploded Ordnance Risk (UXO) – Zetica Risk Map ⁶	- Bomb Risk: Low.

Table 3-1 (continued): Summary of the environmental setting.

Notes: Distance in brackets is the distance from site that features are included. Where no distance given, features relate to on site only.

Data Sources:

1 Envirocheck Report (Appendix A & B)

6 Zetica UXO Unexploded Bomb Risk Map (Appendix C)

4 Site Reconnaissance

A site reconnaissance was carried out on 01 August 2023. Hand dug trial holes were undertaken in accessible areas to confirm the shallow ground conditions.

Relevant features identified on site are summarised below:

- » Site is currently a bungalow with a derelict underlying building with areas of soft landscaping around the building (approximately 50% hardstood, 50% soft landscaping).
- » Hardstood ground consists of tarmacadam in poor condition.
- » Possible ACM identified in the derelict building and indoor pool.
- » Bungalow in poor condition with replaced bricks on the eastern wall, large cracks noted along the northern wall and various areas around the house (see plate 4-1).
- » Possible well installation on east of site.
- » Land slopes down into site with southwest 3.7m wide access road having a slope measuring 40°.
- » Access restrictions for site investigations as northeast access point is 2 metres wide with steps between separate access points.
- » Fly tipping and litter is prominent throughout pool building and in some derelict areas of the site.
- » Overhead cables in the centre/north of site and drainage pipes present around perimeter of building.

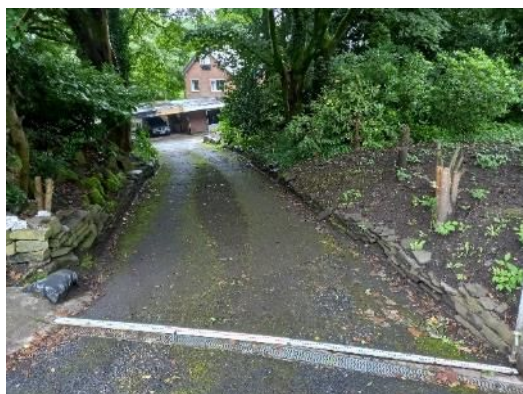
The surrounding area comprises of Cliff Avenue to the south of site, Crag Lane to the east with detached residential housing to the immediate west. Mature trees can be found to the north followed by the River Irwell.

Hand dug pits were carried out in 4no. locations and are summarised in Table 4-1.

HD101	HD102	HD103	HD104
GL-0.1m Made Ground (dark brown clayey silty sand, frequent brick, frequent ash and clinker). Refused at 0.1mbgl on assumed brick.	GL-0.1m Made Ground (dark brown clayey silty sand, frequent brick, frequent ash and clinker). Refused at 0.1mbgl on assumed brick.	GL-0.1m Made Ground (dark brown gravelly, sandy silt). 0.1-0.2m Made Ground (reddish brown reworked clay, frequent ash and clinker, frequent rootlets). 0.2-0.45m Made Ground (dark grey sandy gravel, abundant ash and clinker, rare glass). Refused at 0.45 on assumed brick.	GL-0.1m Made Ground (dark brown clayey silty sand, abundant rootlets). 0.1-0.3m Made Ground (dark brown silty sand, frequent rootlets rare brick). 0.3-0.4m Made Ground (light brown sandy silty clay, rare brick, rare rootlets and very rare glass). Refused at 0.4m.

Table 4-1: Hand Dug Pit Logs.

Relevant photographs are provided in Plate 4-1.



Photograph 1: View of NE site entrance facing SW. Note steep slope and mature trees.



Photograph 2: View of derelict pool building. Note overhead power lines and cracks beneath damaged lintels.



Photograph 3: View of W building entrance facing E. Note change in brick cover and water pipe.



Photograph 4: View of S 3m wide site entrance. Note mature trees and crack beneath window.



Photograph 5: View of S of building on site. Note large cracks in walls.

Plate 4-1: Site photographs.

Relevant features are also shown on Plate 4-2.



Plate 4-2: Plan showing relevant site walkover features.

5 Preliminary Contamination Conceptual Site Model

5.1 Introduction

The aim of the conceptual model is to provide a preliminary assessment of the likelihood of a pollutant linkage for each potential combination of contaminant, pathway and receptor. A conceptual model can be used to make an informed decision on the contamination risks associated with the site and whether further site investigation work is required.

The Sections below are therefore divided into potential contaminant, potential pathway and potential receptor as described in LCRM³, on the premise that, if there is no pollutant linkage, then there will be no risk to the receptor. The final Section provides an assessment of the potential pollutant linkages that may still be present on the site if redevelopment were to occur.

5.2 Potential Contaminants

Potential viable contamination sources are detailed in Table 5-1. These are split into onsite sources, offsite sources and underlying geology.

Potential Source	Contaminants
On Site	
Deep Made Ground below some or all of the site	- Demolition rubble, ash and clinker: Asbestos, heavy metals, sulphates, PAHs⁴. - Other fill material sources: Petroleum hydrocarbons, VOCs, SVOCs. - If organic / putrescible material: Hazardous gas (principally carbon dioxide and methane).
Residential Building	- Asbestos Containing Material (ACM).
Surrounding Area	
Adjacent Farm	- Possible pesticide use. Not expected to be a significant source of contamination due to age of feature.
Surrounding land uses (sandstone quarry)	- Not expected to be a significant source due to distance from site.
Landfills / offsite potentially infilled features within 250m	- Given size, distance and age of features, there is not considered to be a significant source of hazardous gas.
Underlying Geology	
Radon Affected Area	- 1-3% of homes above Action Level. No protective measures are necessary in the construction of new dwellings or extensions. - No further consideration required.
Superficial / Bedrock	- Glacial Till (diamicton) over coarse grained sandstone (Brooksbottoms Grit). - No significant contamination sources identified. - Although not identified as sulphate / sulphide bearing strata⁵ there could be some localised raised concentrations. This is considered further in the geotechnical assessment.

Table 5-1: Potential contamination sources.

³ Land Contamination Risk Management (LCRM) <https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm>

⁴ Defra (2002). "Potential Contaminants for the Assessment of Land". R&D Publication CLR 8.

⁵ BRE (2005). "Concrete in Aggressive Ground". SD1.

5.3 Potential Receptors

Potential receptors are detailed in Table 5-2.

Receptors	
Human Health	- Future site users (including residents, visitors and site workers). - Offsite land users.
Controlled Waters	- River Irwell 53m north. - Secondary Undifferentiated Aquifer. - Secondary A Aquifer. - Surface water not considered to be a significant receptor as not within influencing distance (<50m).
Buildings.	
Potable water pipes.	

Table 5-2: Potential receptors.

5.4 Potential Pathways

Potential pathways are detailed in Table 5-3.

Pathways		
Soil	Human Health ⁶ (residential land use: houses with private gardens)	- Ingestion of soil. - Ingestion of soil-derived indoor dust. - Ingestion of contaminated home-grown produce. - Ingestion of soil attached to home-grown produce. - Dermal contact with soil. - Dermal contact with soil-derived indoor dust. - Inhalation of soil-derived outdoor dust. - Inhalation of soil-derived indoor dust. - Inhalation of vapours outside. - Inhalation of vapours inside.
		- Windblown dust and fibres to adjacent receptors.
		- Direct contact with receptors (services).
Water		- Surface run-off over impermeable surface.
		- Infiltration into the ground, through potentially contaminated material (contamination possibly going into solution).
Water and Gas		- Migration through potentially permeable strata and preferential pathways. - Superficial (Till) likely to be low permeability. - Bedrock (sandstone) likely to be relatively permeable. - No preferential pathways are anticipated.
Gas		- Migration into buildings (e.g. via services) and accumulation of gases in confined spaces (potentially causing explosion if methane is present).

Table 5-3: Potential pathways.

5.5 Preliminary Contamination Conceptual Model

The Preliminary Contamination Conceptual Site Model (PCCSM) is illustrated in Table 5-4 and has identified five generic potential pollutant linkages.

Each linkage is described along with an assessment of the risk based upon guidance on probabilities and consequences outlined in CIRIA C552⁷.

In order to assess the potential risk for each pollutant linkage, an assessment of the magnitude of the potential consequence (severity) of the risk occurring and the

⁶ EA (2008). "Updated Technical Background to the CLEA Model". Science Report – SC050021/SR3.

⁷ CIRIA (2001). "Contaminated Land Risk Assessment: A Guide to Good Practice". C552.

magnitude of the probability (likelihood) of the risk occurring has been considered and classified. This is based on the guidance provided in CIRIA C552 and further details including a risk matrix is provided in Appendix D.

Where LKC identified a low to very low risk, targeted or low density intrusive investigation work, a watching brief (during construction work) or no investigation work will be recommended. This will be dependent on the nature of the site and the proposed development.

Where the risk falls into the moderate/low risk, LKC will undertake an assessment to establish what category the pollutant linkage will fall into (i.e. moderate or low risk will be chosen).

Where LKC identifies a moderate or higher risk, intrusive investigation work or precautionary remedial measures will be recommended.

Due to the minor consequence associated with the phytotoxic effect to flora (i.e. loss of plants in a landscaping scheme), the overall risk for the majority of sites will be very low to low. Where soils contain significant concentrations of heavy metals, in general there will other pollutant linkages (i.e. the risk to human health) that will trigger the requirement for remediation (e.g. a clean environmental cover system). As such the risk to flora associated with phytotoxic contaminants will not be considered further.

The risk to buildings associated with elevated sulphate will be considered as part of the geotechnical assessment and will not be included in the contamination risk assessment.

It should be noted that there may be risk from short term exposure from contaminated soil to site workers. The Preliminary Contamination Conceptual Model deals with long term exposure to key receptors. Acute risks can be easily mitigated by good environmental management of the site during site works. Standard health and safety precautions (as per HSE guidance⁸) should be adopted by all workers involved with site enabling and construction works. Therefore, this receptor is not considered in the contamination conceptual model.

⁸ HSE (1991). "Protection of Workers and the General Public During Development of Contaminated Land". London HMSO.

PL	Pathway	Receptor	Contaminants of Concern (CoC)	Probability	Consequence	Risk	Recommendations
1	- Dermal contact. - Inhalation of soil, fibres and dust. - Ingestion of soils, dust, home-grown produce, soil attached to home-grown produce. - Windblown dust.	- Future site users. - Offsite receptors.	- ACM - Heavy metals - PAHs	Likely (given site history, site conditions and proposed end use)	Medium	Moderate	Intrusive investigation required. Soil analysis of CoC.
			- Petroleum hydrocarbons	Low Likelihood (given site history, site conditions and proposed end use)	Medium	Moderate / Low (moderate assumed until ground conditions confirmed)	Low density intrusive investigation required. Soil analysis of CoC, subject to ground conditions encountered.
2	- Inhalation of vapours. - Migration via permeable strata and preferential pathways.	- Future site users. - Offsite receptors.	Volatile contaminants: - Petroleum Hydrocarbons - VOCs - SVOCs	Low Likelihood (given site history, site conditions and proposed end use)	Medium	Moderate / Low (moderate assumed until ground conditions confirmed)	Intrusive investigation required, to include PID testing. Soil analysis of CoC, subject to ground conditions encountered and PID testing.
3	- Inhalation of gas. - Migration via permeable strata and preferential pathways. - Explosion in confined spaces. - Exposure to radon.	- Future site users. - Buildings. - Offsite land users.	Ground / hazardous gas: - Carbon dioxide - Methane	Low Likelihood (given potential on site gas source and unknown pathways)	Severe	Moderate	Intrusive investigation to confirm ground conditions. If significant gas source and pathway identified, gas monitoring required.
4	- Surface run-off. - Migration via permeable strata and preferential pathways. - Perched waters migration.	- Groundwater Secondary Undifferentiated Aquifer, Secondary A Aquifer. - Surface water (River Irwell).	Mobile contaminants: - Heavy metals - PAHs - Hydrocarbons - Volatile/mobile compounds.	Low Likelihood (mobile contamination anticipated with possible pathway)	Medium	Moderate / Low (moderate assumed until ground conditions confirmed)	Intrusive investigation required. Groundwater sampling, subject to ground conditions encountered. Analysis of CoC.
5	- Ingestion of tainted water supply.	- Future site users. - Water pipes.	Organic contaminants - Petroleum hydrocarbons - Naphthalene - Volatile compounds	Low Likelihood (although some contamination may be present, significant contamination not expected at pipeline depth)	Medium	Moderate / Low (moderate risk assumed until ground conditions confirmed)	Low density intrusive investigation required. Soil analysis of CoC, subject to ground conditions encountered.

Table 5-4: Preliminary Contamination Conceptual Site Model.

Notes: PL = Pollutant Linkage. Contaminant of Concern (CoC) - See Table 5-1 for contamination sources. Site conditions based on observations during site reconnaissance.

6 Preliminary Geotechnical Risk Assessment

Table 6-1 summarises the possible geotechnical constraints of the site, based on the site history, environmental settings and site reconnaissance. Investigation work will be required to confirm the risks and provide a detailed geotechnical assessment and foundation design.

Coal Mining	Site is not within a Development High Risk Area. No further assessment required.
Slope Stability	Slope identified on site (details). Further assessment required to determine the instability risk.
Envirocheck Ground Stability Hazards	Moderate Risk identified for Landslide. Further action required.
Made Ground	Unknown depth and constituent of made ground across the site. Unlikely to be a suitable founding strata unless engineering work is undertaken.
Superficial	Unknown strength of soils for foundation design. Strata may be variable giving differential settlement.
Bedrock	Unknown depth to bedrock.
Groundwater	Unknown depth and variability of groundwater. Shallow / fluctuating groundwater can affect the strength of the soil, particularly in granular ground. Shallow groundwater can also affect construction works.
Plasticity	Plasticity of clay deposits should be confirmed, particularly where trees are present or proposed, to identify the shrink / swell risk.
Sulphate	Unknown sulphate content of the made ground and natural. Ash noted in the made ground which may give rise to elevated sulphate.
Road / Pavement Design	Unknown CBR values.

Table 6-1: Summary of geotechnical constraints.

7 Summary Conclusions and Recommendations

7.1 Summary Conclusions

Table 7-1 summarises the site details, historical review, environmental settings and site reconnaissance.

Current Site Use	Disused residential property with associated driveway and gardens.
Proposed Development	5no. residential properties (semi-detached and detached) with gardens and associated driveways.
Main Historical Features	Onsite: Sandstone Quarry, Quarry, Unreferenced Building. Surrounding Area: Cragg Farm, 3no. Reservoirs, Sandstone Quarry.
Geology / Hydrogeology	Artificial Ground: No BGS recorded artificial ground. Superficial Ground: Devensian Till (Diamicton). Secondary Undifferentiated Aquifer. Bedrock: Brooksbottoms Grit (sandstone), Secondary A Aquifer.
Landfills / Infilled Ground	1no. registered landfill within 250m. Potentially infilled ground identified.
Site Walkover	Steep slope to the east, residential building with cracks noted, fly tipping present onsite.

Table 7-1: Summary of site details, historical review, environmental settings and site reconnaissance.

A preliminary contamination conceptual site model has been produced by LKC, which is summarised in Table 7-2.

Pollutant Linkage		Risk	Recommendations
PL1: Contaminants posing a risk to future site users via dermal contact, ingestion and inhalation (of soil, dust, fibres and home-grown produce).	ACM, heavy metals, PAHs	Moderate	Intrusive investigation required. Soil analysis of CoC.
	Petroleum hydrocarbons	Moderate / Low	Low density intrusive investigation required. Soil analysis of CoC, subject to ground conditions encountered.
PL2: Volatile contaminants posing a risk to future site users via the inhalation of vapours.		Moderate / Low	Intrusive investigation required, to include PID testing. Soil analysis of CoC, subject to ground conditions encountered and PID testing.
PL3: Gas (carbon dioxide and methane) posing a risk to buildings and future site users via the migration of gas into building causing explosion and asphyxiation.		Moderate	Intrusive investigation to confirm ground conditions. If significant gas source and pathway identified, gas monitoring required.
PL4: Mobile contamination posing a risk to controlled waters via the migration through permeable strata.		Moderate / Low	Intrusive investigation required. Groundwater sampling, subject to ground conditions encountered. Analysis of CoC.
PL5: Organic contaminants posing a risk to water pipes.		Moderate / Low	Low density intrusive investigation required. Soil analysis of CoC, subject to ground conditions encountered.

Table 7-2: Summary risk table.

Where moderate / low risk had been identified, the assumed risk is shown in bold.

A preliminary geotechnical assessment has been carried out by LKC. Table 7-3 summarises the geotechnical constraints.

Coal Mining	Site is not within a Development High Risk Area. No further assessment required.
Slope Stability	Further assessment is required to confirm the instability risk.
Made Ground	Unknown depth and constituent of made ground across the site.
Superficial	Unknown strength of soils for foundation design.
Bedrock	Strength and extent of weathering unknown.
Groundwater	Unknown depth and variability of groundwater.
Plasticity	Plasticity of clay deposits should be confirmed.
Sulphate	Unknown sulphate content of the made ground and natural.
Road / Pavement Design	Unknown CBR values for footpath and road design should be calculated.

Table 7-3: Summary of geotechnical constraints.

7.2 Recommendations

Recommendations are provided in Table 7-4.

Contamination Status	There is sufficient information on the potential contaminative status of the site to allow conditional approval of a planning application, based on the proposed end use detailed in the PRA.
Further Assessment Recommendations	Phase 2 intrusive investigation required, once planning has been approved. Phase 2 investigation to be carried out in line with current guidance, including BS10175 ⁹ , BS5930 ¹⁰ CIRIA C665 ¹¹ , RB17 ¹² and BS8485 ¹³ . Either 'exploratory investigation': 1 sample per 25-50m square centres. Or 'detailed investigation': 1 sample per 10-25m square centres. Plus, targeted investigation locations in areas of concern (contamination and geotechnical). To be agreed with the local authority.
Type of Investigation Work	Boreholes and / or trial pits, with supplementary hand dug pits.
PL 1, 2, 5	Intrusive investigation work recommended to confirm ground conditions across the site. Testing of contaminants of concern based on preliminary conceptual model and field observations (PID tests and visual / olfactory evidence).
PL 3	Gas monitoring required. Gas monitoring: monitoring wells to be installed in boreholes, monitoring frequency and period subject to anticipated risk.
PL 4	Groundwater and surface water sampling, subject to ground conditions encountered. Groundwater samples to be collected from monitoring wells and tested for contaminants of concern based on preliminary conceptual model and ground conditions encountered. Surface water samples to be collected from the watercourse. A minimum of 3no. samples to be collected (upstream, midstream and downstream).
Reporting	Information from the above can be used to carry out a contamination and geotechnical assessment and provide a remediation strategy for the site.

Table 7-4: Recommendations.

⁹ British Standard (2017). "Investigation of Potentially Contaminated Sites – Code of Practice". BS10175:2017.

¹⁰ British Standard (2015). "Code of Practice for Ground Investigations". BS5930:2015.

¹¹ CIRIA (2007). "Assessing Risks Posed by Hazardous Ground Gases to Buildings". CIRIA C665.

¹² CL:AIRE Research Bulletin RB17 (November 2012) "A Pragmatic Approach to Ground Gas Risk Assessment".

¹³ BSI (2015). "Code of Practice for the Design of Protective Measures for Methane and Carbon Dioxide Ground Gases for New Buildings". BS8485:2015.

Further Considerations are summarised in Table 7-5.

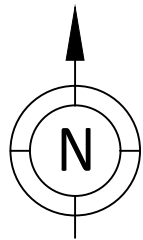
Asbestos	Even though no asbestos was identified externally on the existing buildings, given the age, there may be areas inside that have Asbestos Containing Materials (ACMs). Therefore, we would advise that a Pre-Demolition and Major Refurbishment Asbestos Survey is undertaken prior to demolition by a professional contractor.
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Table 7-5: Further considerations.

Figures



Client: Sterling Property Co. Limited				Title: Site Location & Boundary Plan			
Site: Cliff Avenue, Summerseat				Scale (see scale bar): 1:15,000 & 1:500 @ A4			
Job No.: LKC 23 1294	Drawn By: AE	Checked By: RP	Drawn: Aug 2023	Figure: 1	Revision:		



KEY

 Site Boundary

Sampling Locations and features annotated by LK Consult Ltd are approximate and are based upon observed measurements unless otherwise stated. Do not scale from this drawing and work from marked dimensions only. All dimensions and features should be confirmed on site by the Contractor. Where this drawing includes information provided to LK Consult Ltd by others, LK Consult Ltd gives no warranty, representation or assurance as to the accuracy of such information.



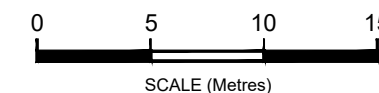
Client:
Sterling Property Co. Limited

Site:
Cliff Avenue, Summerseat

Title:
Proposed Development Plan

Job No.: LKC 23 1294	Scale (See Scale Bar): See Scale Bar	Figure: 2	Revision:
Drawn By: AC	Checked By: RP	Drawn: July 2023	

Extract From: KMA
Drawing Ref: Preliminary Site Plan, No.BCA-KMA-XX-XX-DR-A-9007, Rev:P1 (09/05/2023)



Appendix A

Historical Maps

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

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

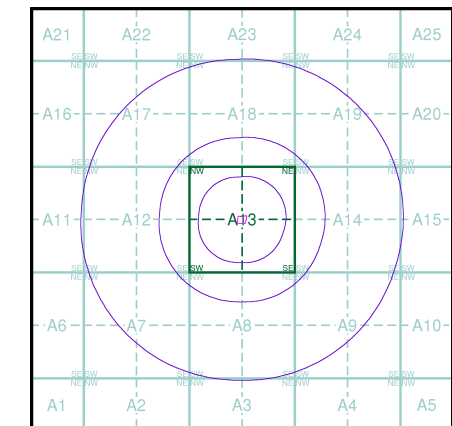


GROUP

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1850 - 1851	3
Lancashire And Furness	1:10,560	1894	4
Lancashire And Furness	1:10,560	1911 - 1912	5
Lancashire And Furness	1:10,560	1930 - 1931	6
Lancashire And Furness	1:10,560	1938 - 1939	7
Ordnance Survey Plan	1:10,000	1955 - 1956	8
Ordnance Survey Plan	1:10,000	1967 - 1969	9
Ordnance Survey Plan	1:10,000	1974	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1982 - 1987	12
Ordnance Survey Plan	1:10,000	1993	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2023	16

Historical Map - Slice A



Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

2, Cliff Avenue, Bury, BL9 5NT

Landmark
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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 ъ (-)

Д д (D) Л л (L) У у (U) Ы ы (Y)

Е е (E) М м (M) Ф ф (F) Ь 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 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

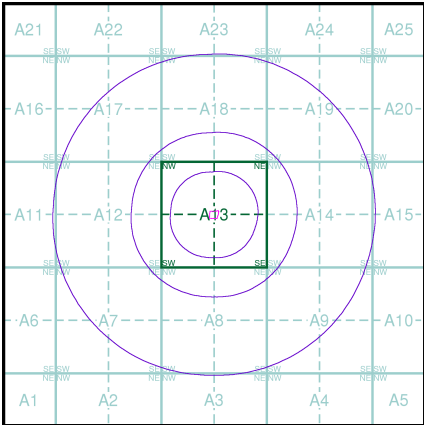


GROUP

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1850 - 1851	3
Lancashire And Furness	1:10,560	1894	4
Lancashire And Furness	1:10,560	1911 - 1912	5
Lancashire And Furness	1:10,560	1930 - 1931	6
Lancashire And Furness	1:10,560	1938 - 1939	7
Ordnance Survey Plan	1:10,000	1955 - 1956	8
Ordnance Survey Plan	1:10,000	1967 - 1969	9
Ordnance Survey Plan	1:10,000	1974	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1982 - 1987	12
Ordnance Survey Plan	1:10,000	1993	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2023	16

Russian Map - Slice A



Order Details

Order Number: 314556966_1_1

Customer Ref: LKC 23 1294

National Grid Reference: 379610, 414970

Slice: A

Site Area (Ha): 0.25

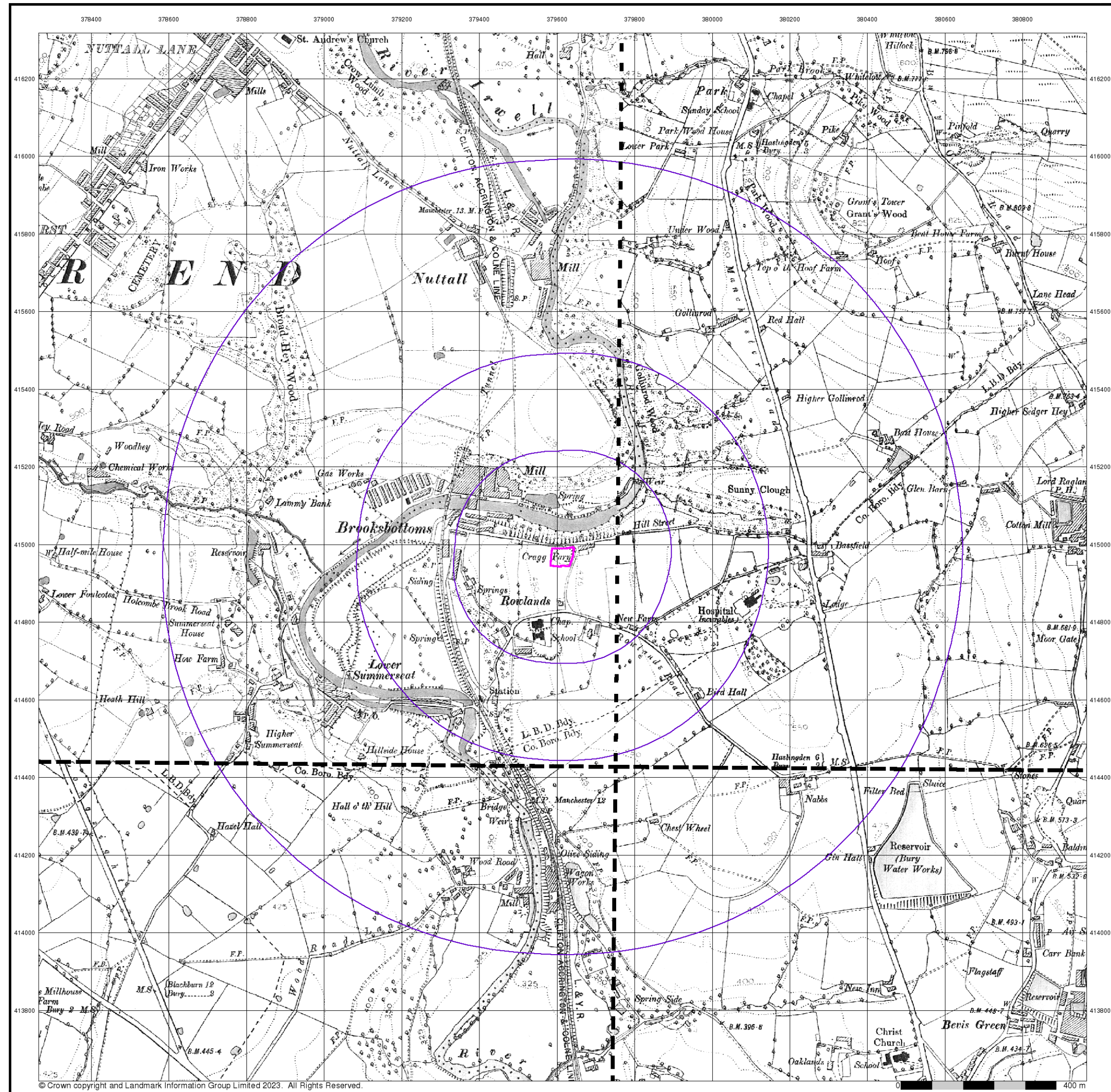
Search Buffer (m): 1000

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LK GROUP

Lancashire And Furness

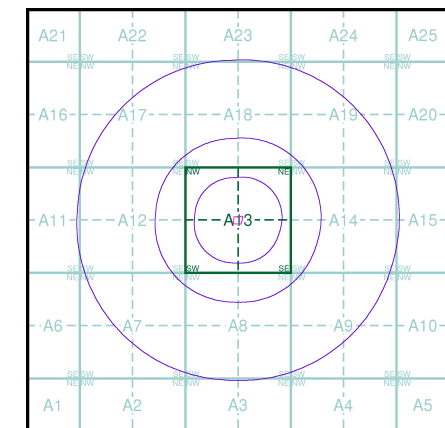
Published 1894
Source map scale - 1:10,560

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

079SE 1894 1:10,560	080SW 1894 1:10,560
087NE 1894 1:10,560	088NW 1894 1:10,560

Historical Map - Slice A



Order Details

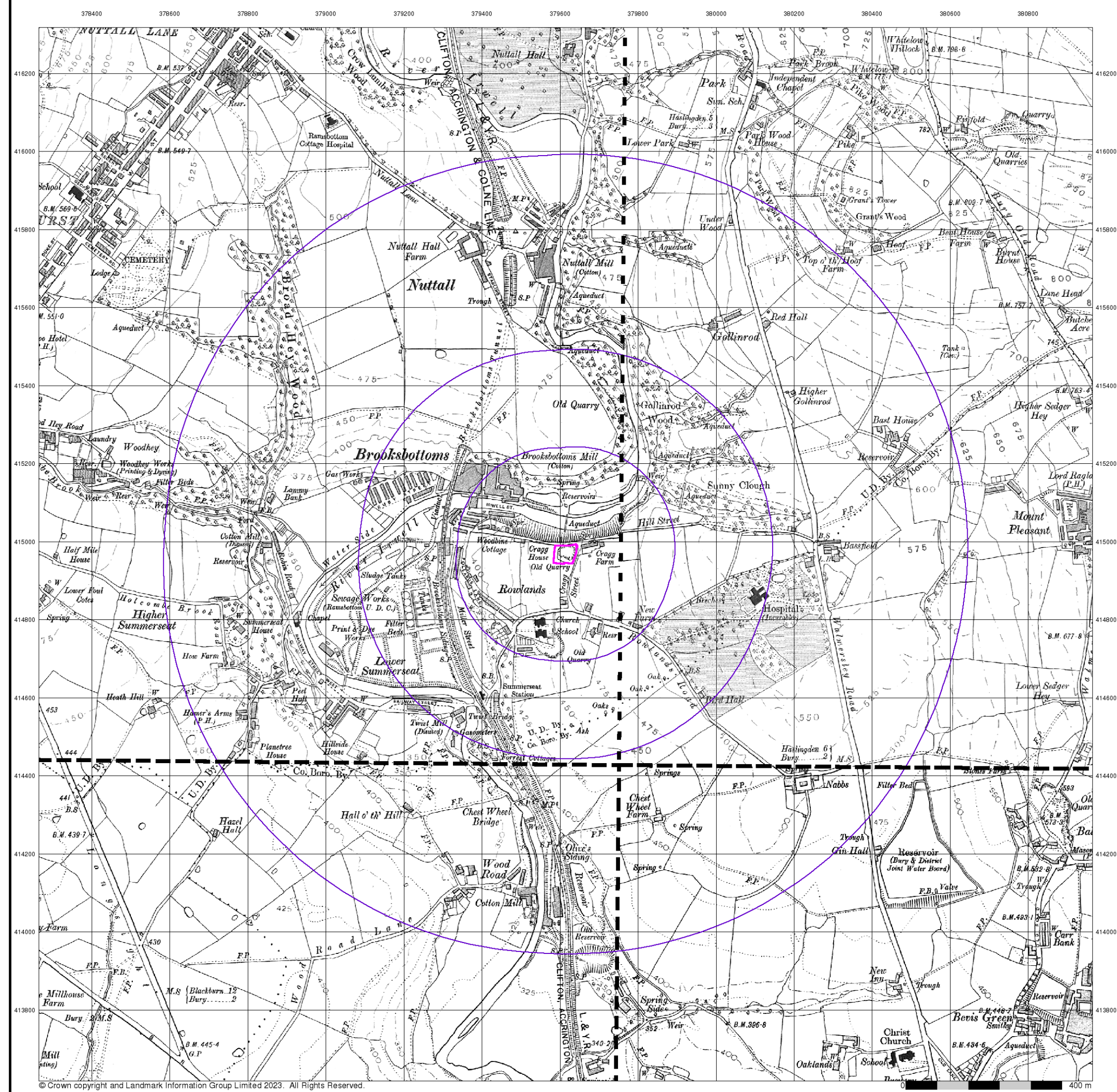
Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

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GROUP

Lancashire And Furness

Published 1911 - 1912

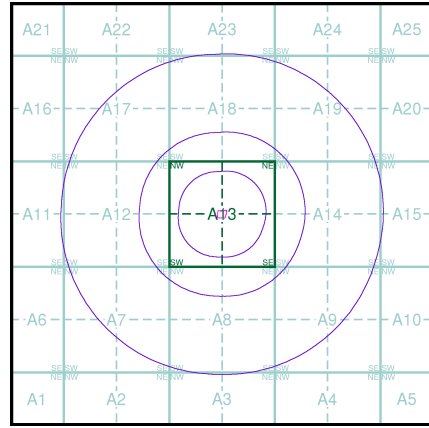
Source map scale - 1:10,560

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)

079SE 1912 1:10,560	080SW 1912 1:10,560
087NE 1911 1:10,560	088NW 1911 1:10,560

Historical Map - Slice A



Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

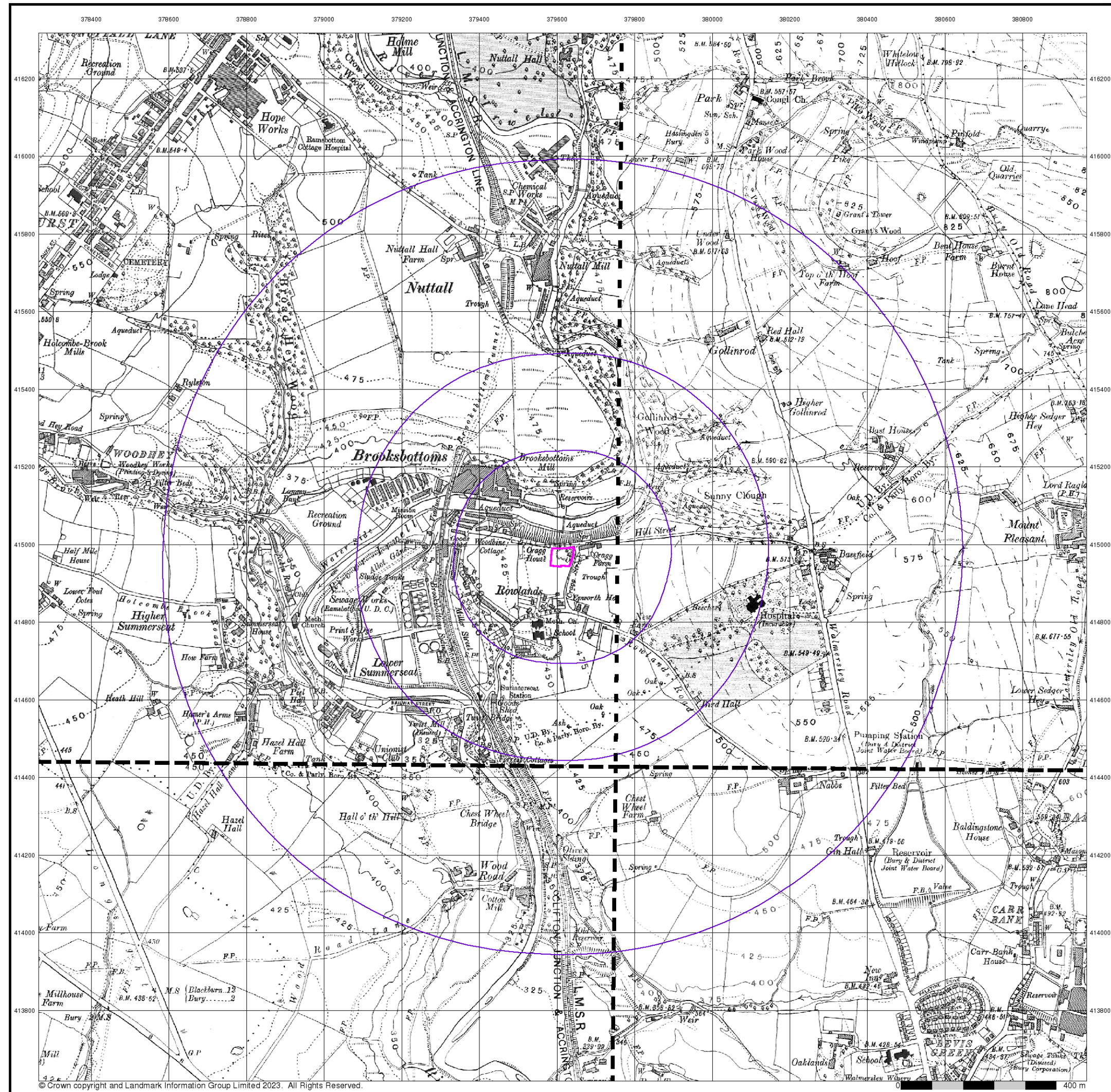
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LK GROUP

Lancashire And Furness

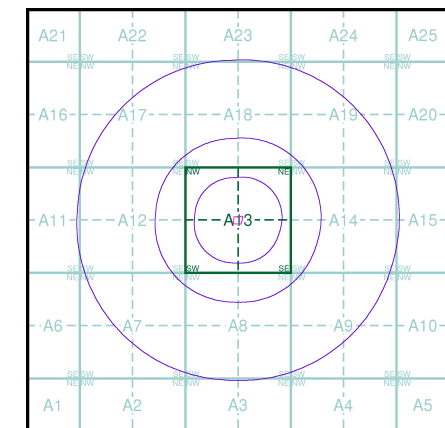
Published 1930 - 1931
Source map scale - 1:10,560

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)

079SE 1930 1:10,560	080SW 1930 1:10,560
087NE 1931 1:10,560	088NW 1931 1:10,560

Historical Map - Slice A



Order Details

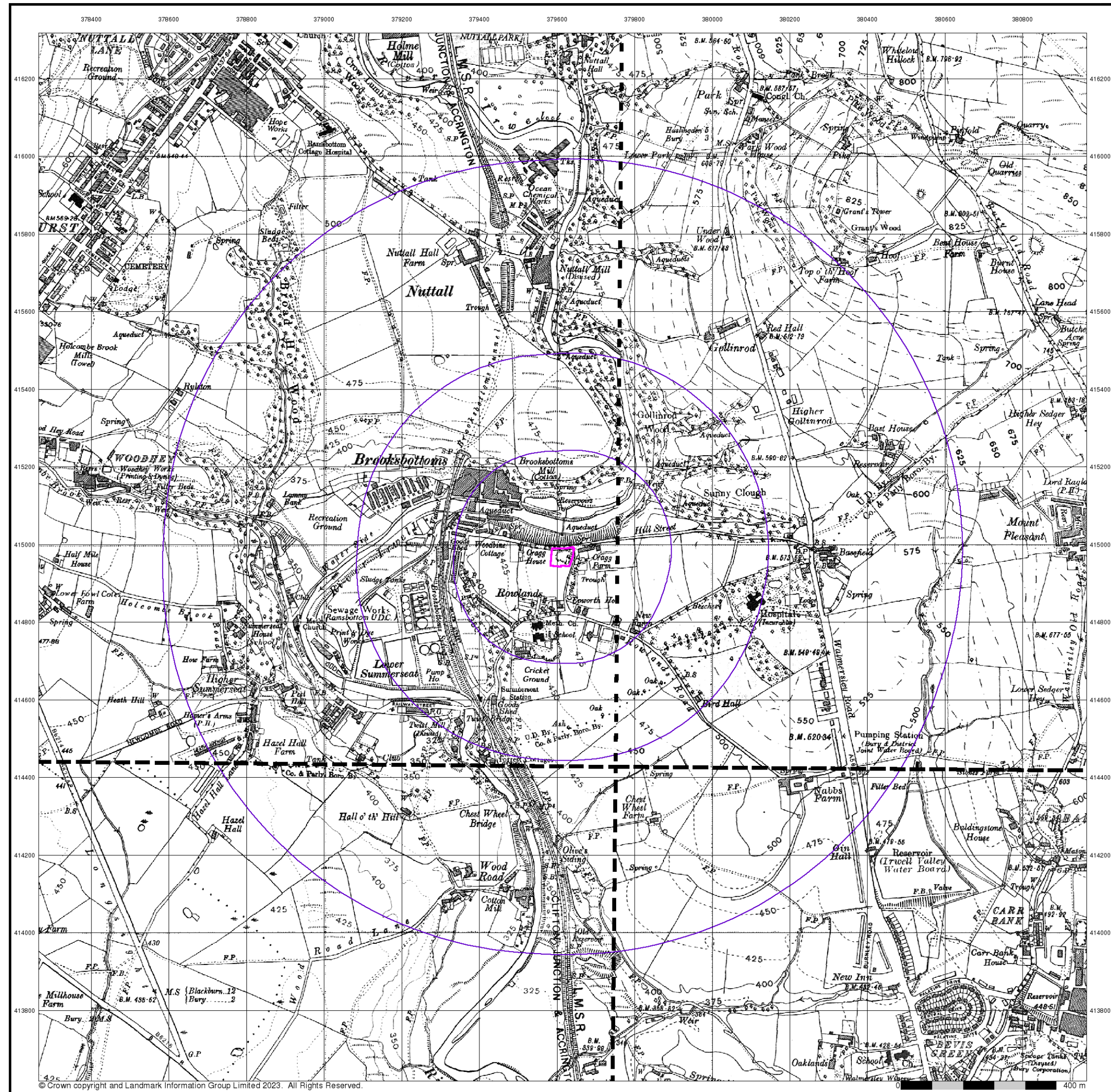
Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

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LK GROUP

Lancashire And Furness

Published 1938 - 1939

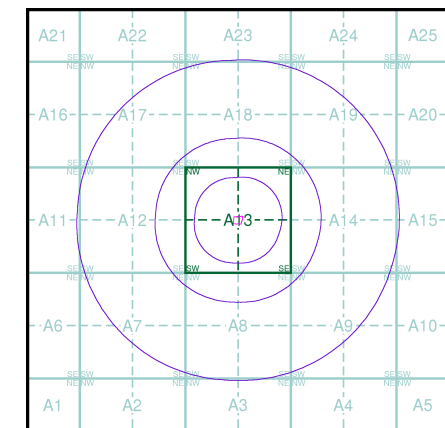
Source map scale - 1:10,560

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)

079SE 1939 1:10,560	080SW 1938 1:10,560
087NE 1938 1:10,560	088NW 1939 1:10,560

Historical Map - Slice A



Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

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Ordnance Survey Plan

Published 1955 - 1956

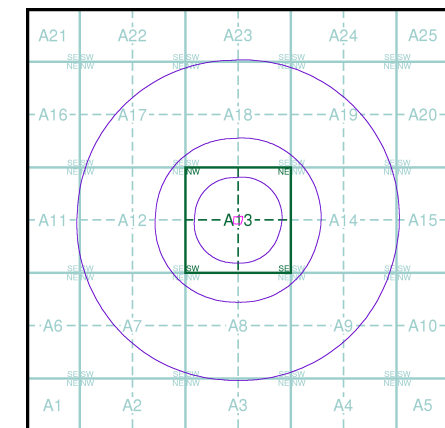
Source map scale - 1:10,000

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

SD71NE	SD81NW
1955	1956
1:10,560	1:10,560
SD71SE	SD81SW
1956	1956
1:10,560	1:10,560

Historical Map - Slice A



Order Details

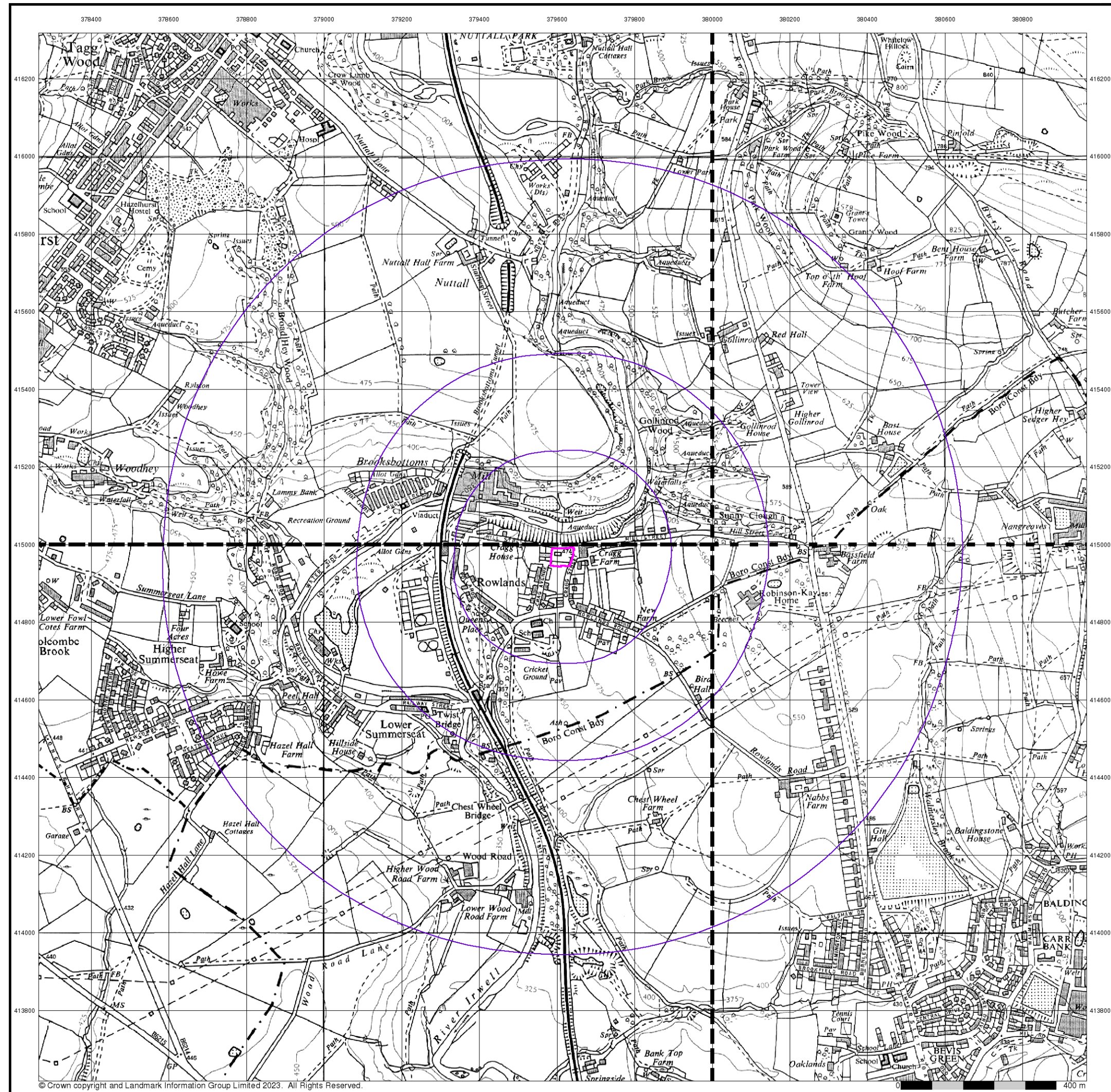
Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

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GROUP

Ordnance Survey Plan

Published 1967 - 1969

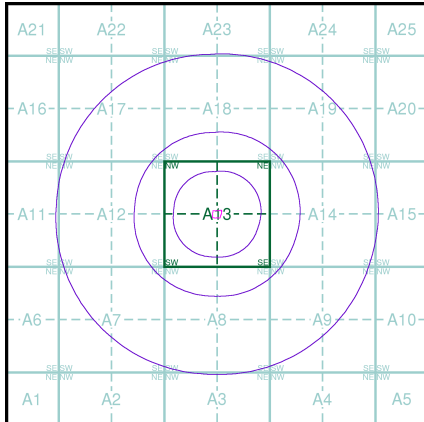
Source map scale - 1:10,000

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)

SD71NE	SD81NW
1968	1967
1:10,560	1:10,560
SD71SE	SD81SW
1969	1967
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

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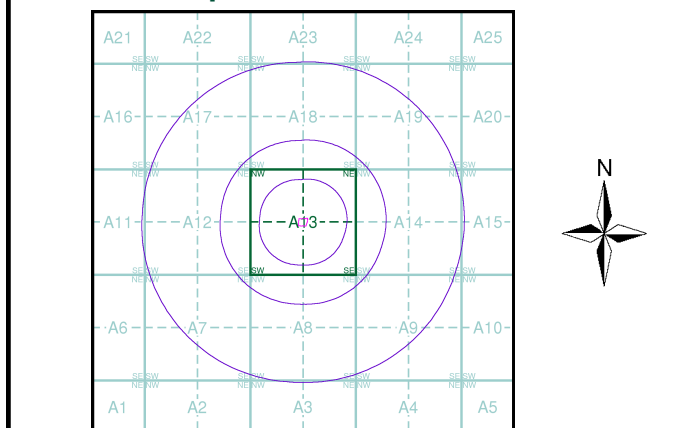
Published 1975
Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)

SD71 1975 1:25,000	SD81 1975 1:25,000
--------------------------	--------------------------

Russian Map - Slice A



Order Details

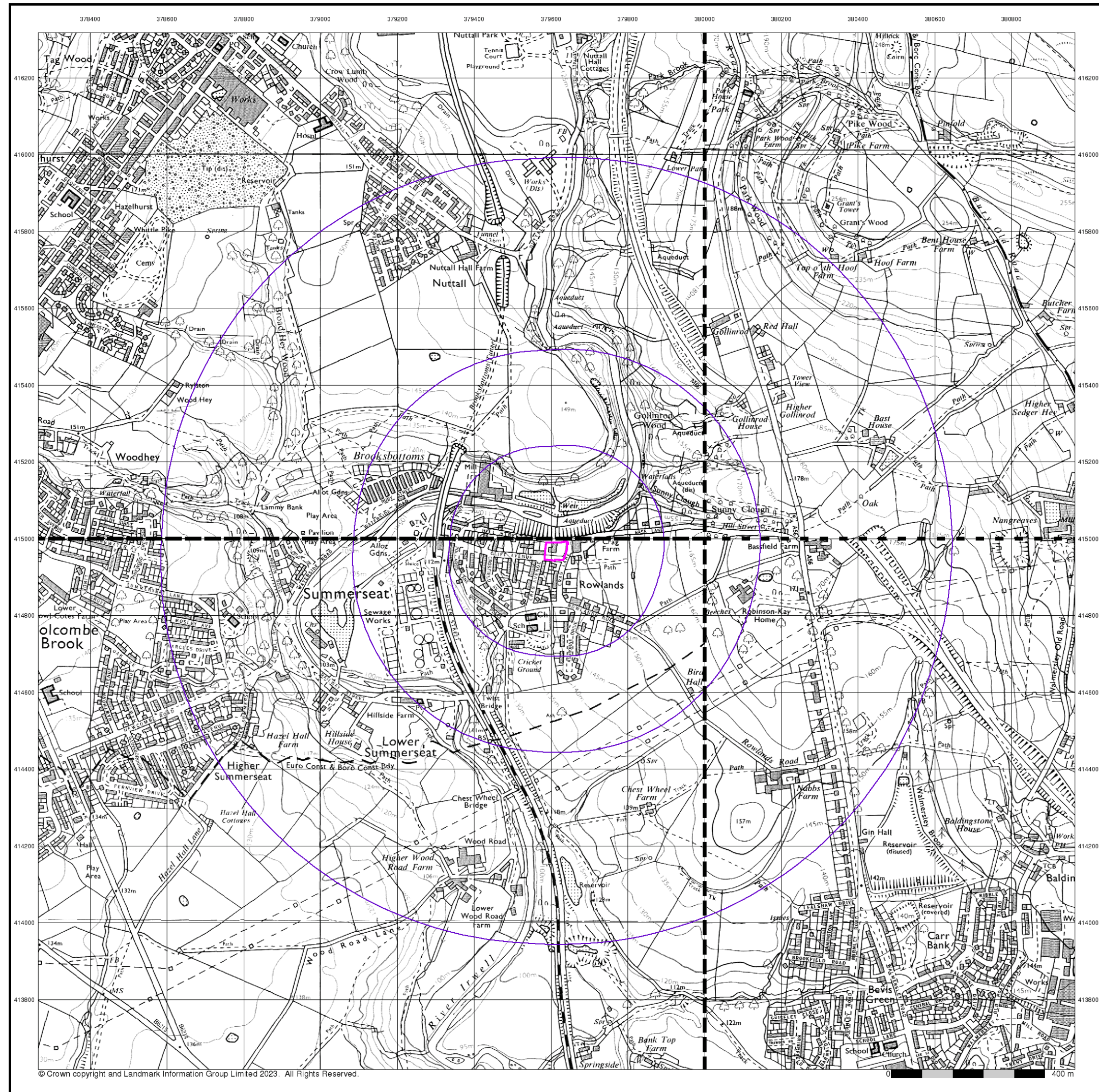
Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

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GROUP

Ordnance Survey Plan

Published 1982 - 1987

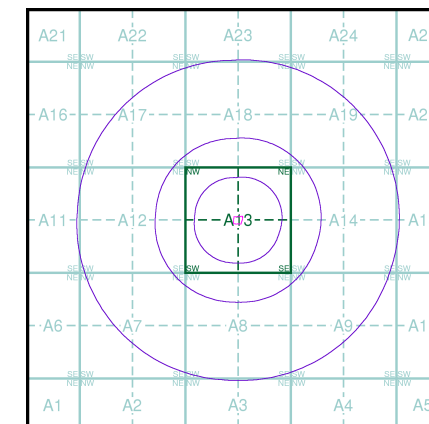
Source map scale - 1:10,000

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)

SD71NE	SD81NW
1982	1987
1:10,000	1:10,000
SD71SE	SD81SW
1982	1984
1:10,000	1:10,000

Historical Map - Slice A



Order Details

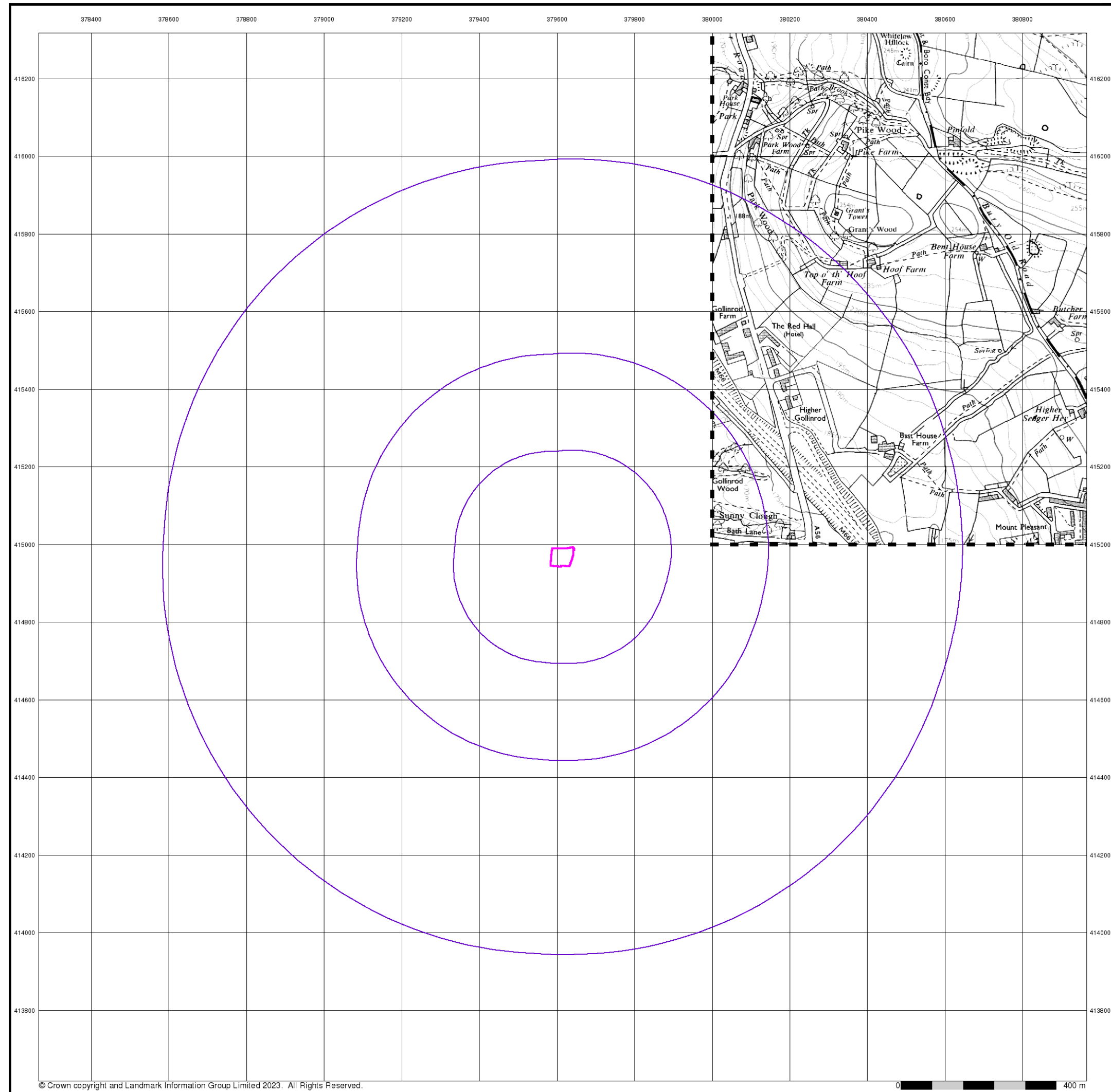
Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

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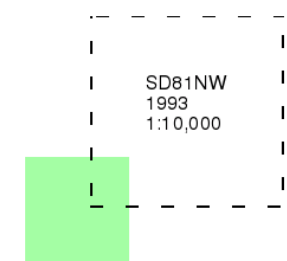
Ordnance Survey Plan

Published 1993

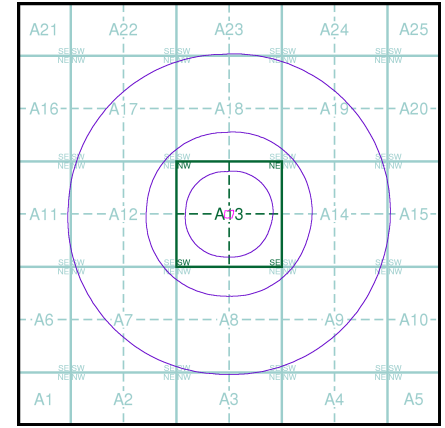
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

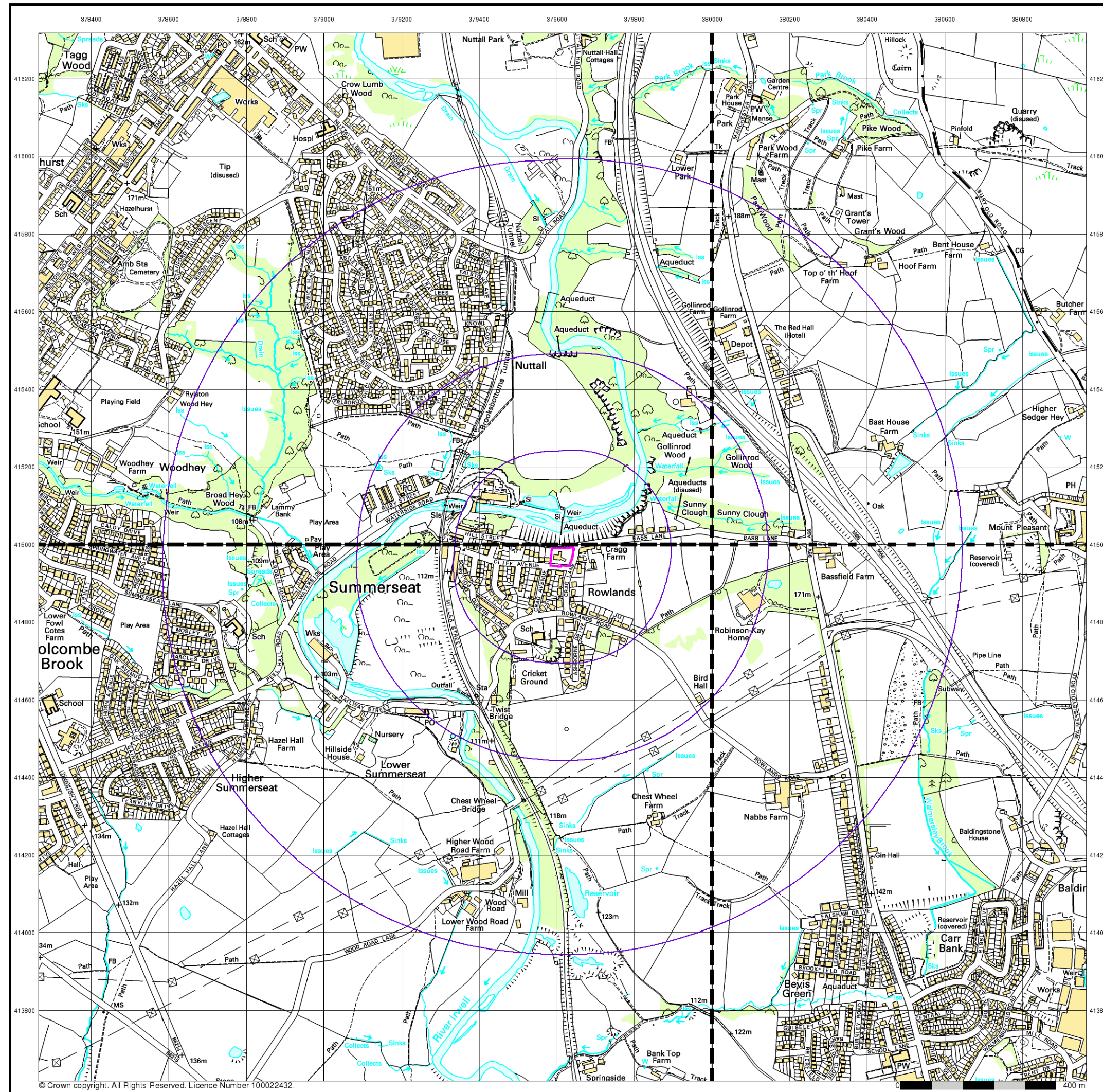


Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

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LK GROUP

10k Raster Mapping

Published 1999

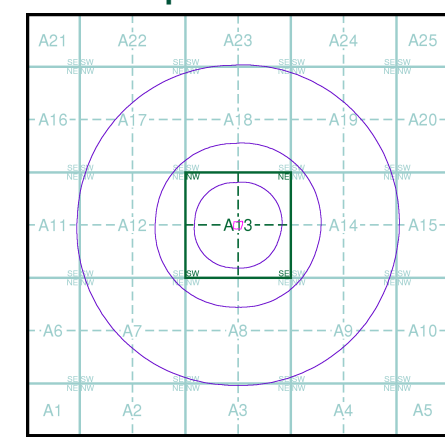
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD71NE	SD81NW
1999	1999
1:10,000	1:10,000
SD71SE	SD81SW
1999	1999
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

2, Cliff Avenue, Bury, BL9 5NT



LK GROUP

10k Raster Mapping

Published 2006

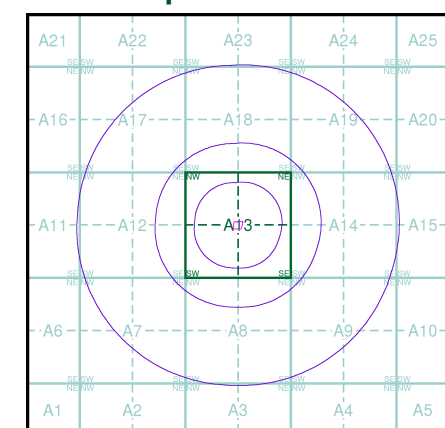
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD71NE	SD81NW
2006	2006
1:10,000	1:10,000
SD71SE	SD81SW
2006	2006
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

2, Cliff Avenue, Bury, BL9 5NT

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VectorMap Local

Published 2023

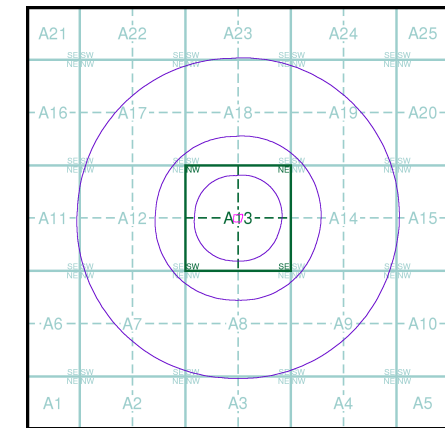
Source map scale - 1:10,000

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)

SD71NE	SD81NW
2023	2023
Variable	Variable
SD71SE	SD81SW
2023	2023
Variable	Variable

Historical Map - Slice A



Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

2, Cliff Avenue, Bury, BL9 5NT

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Historical Mapping Legends

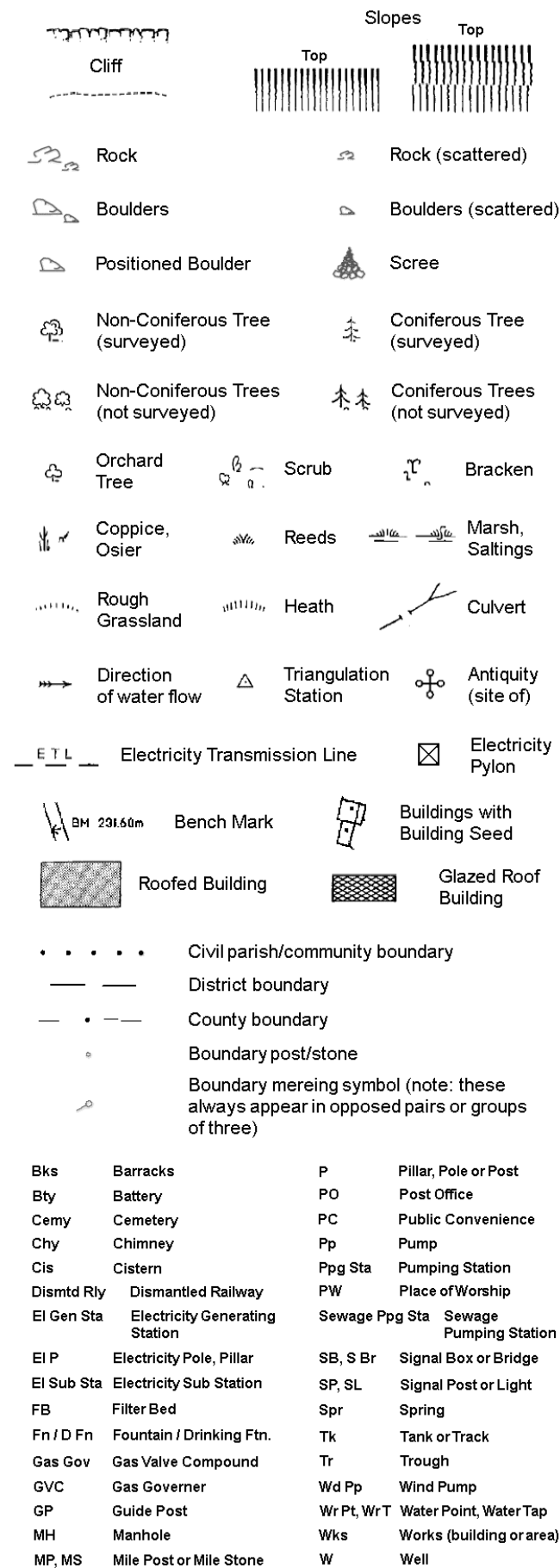
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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

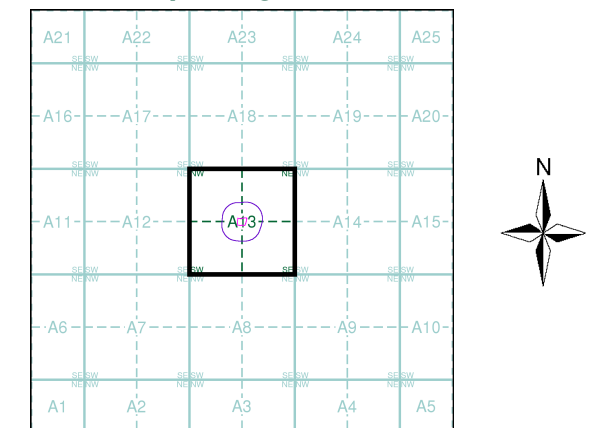


GROUP

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1929	4
Lancashire And Furness	1:2,500	1937	5
Ordnance Survey Plan	1:2,500	1963	6
Ordnance Survey Plan	1:2,500	1971	7
Ordnance Survey Plan	1:1,250	1977 - 1978	8
Additional SIMs	1:2,500	1980	9
Additional SIMs	1:1,250	1988	10
Large-Scale National Grid Data	1:1,250	1992	11
Additional SIMs	1:1,250	1992	12
Historical Aerial Photography	1:2,500	2001	13

Historical Map - Segment A13



Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 100

Site Details

2, Cliff Avenue, Bury, BL9 5NT



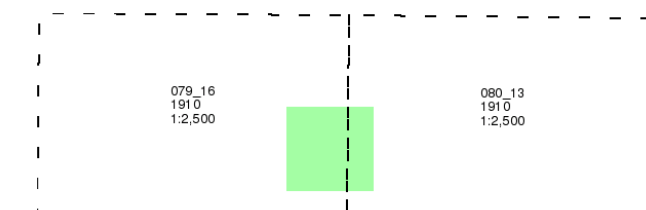
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Published 1910

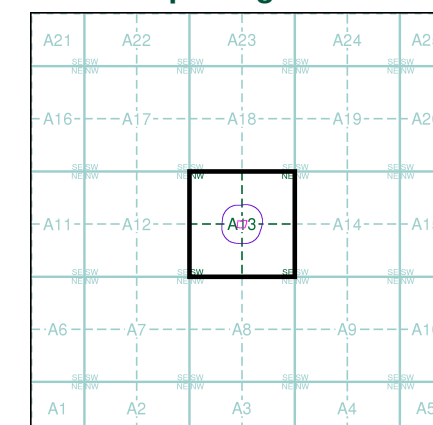
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

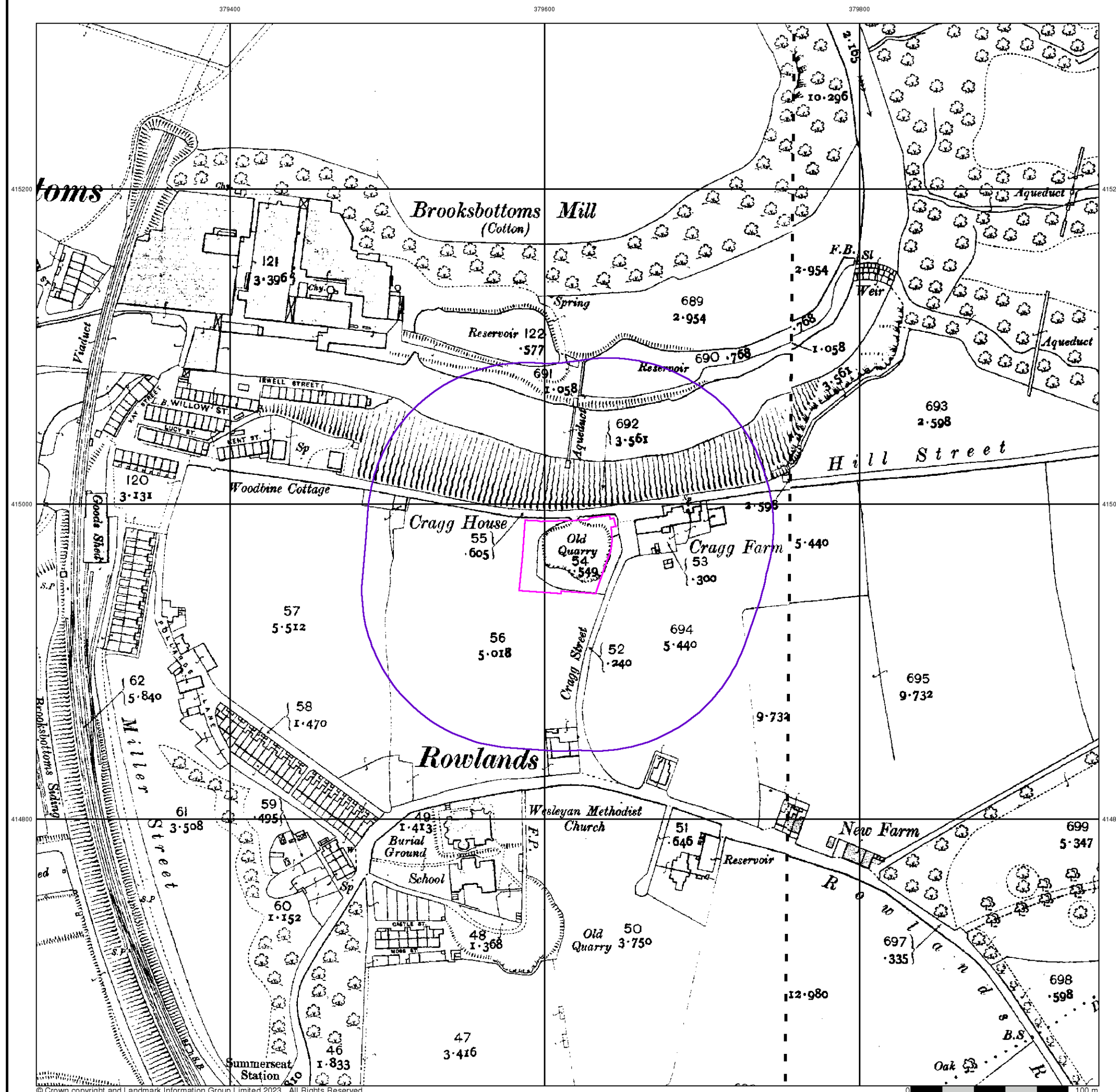


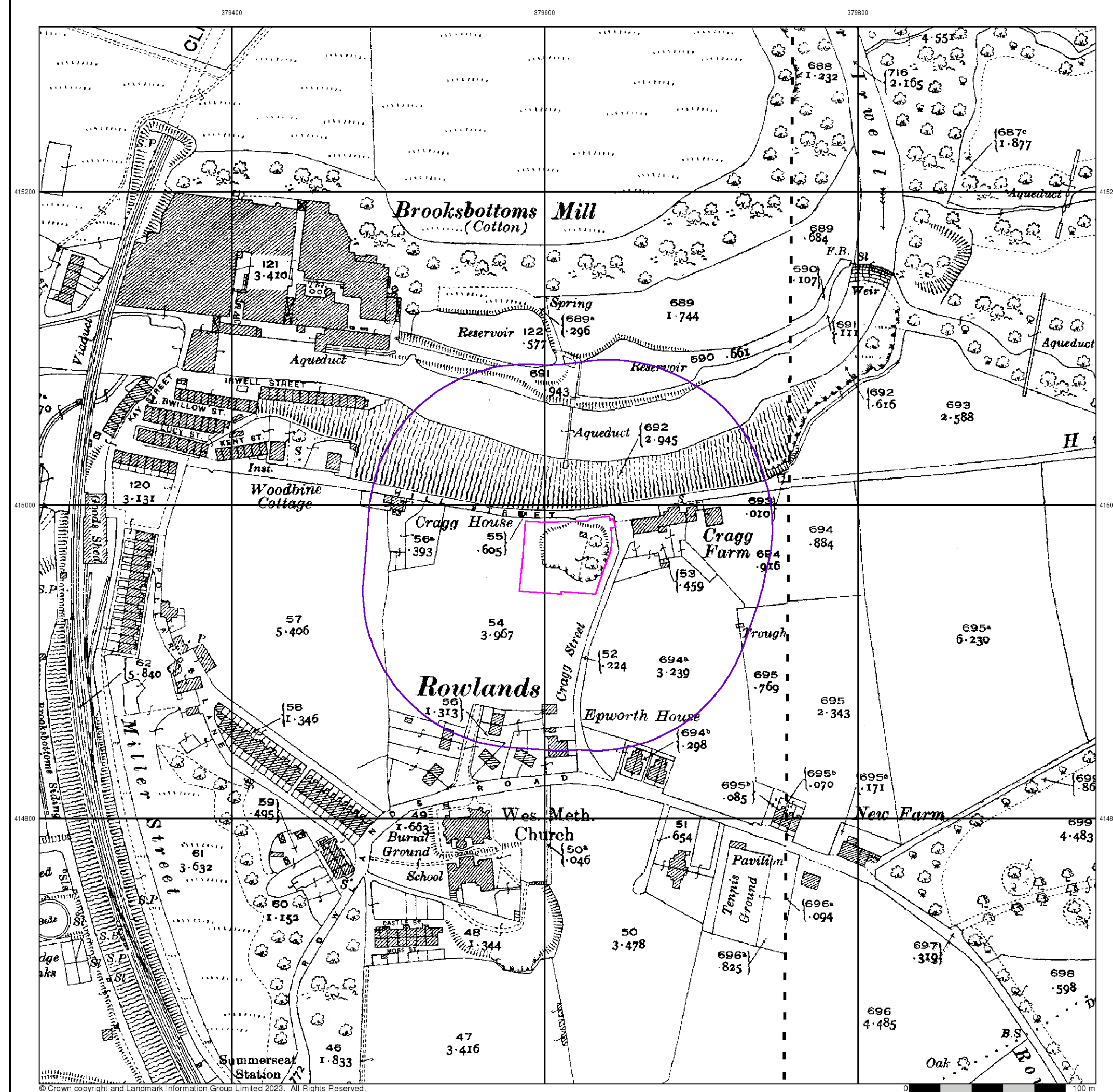
Order Details

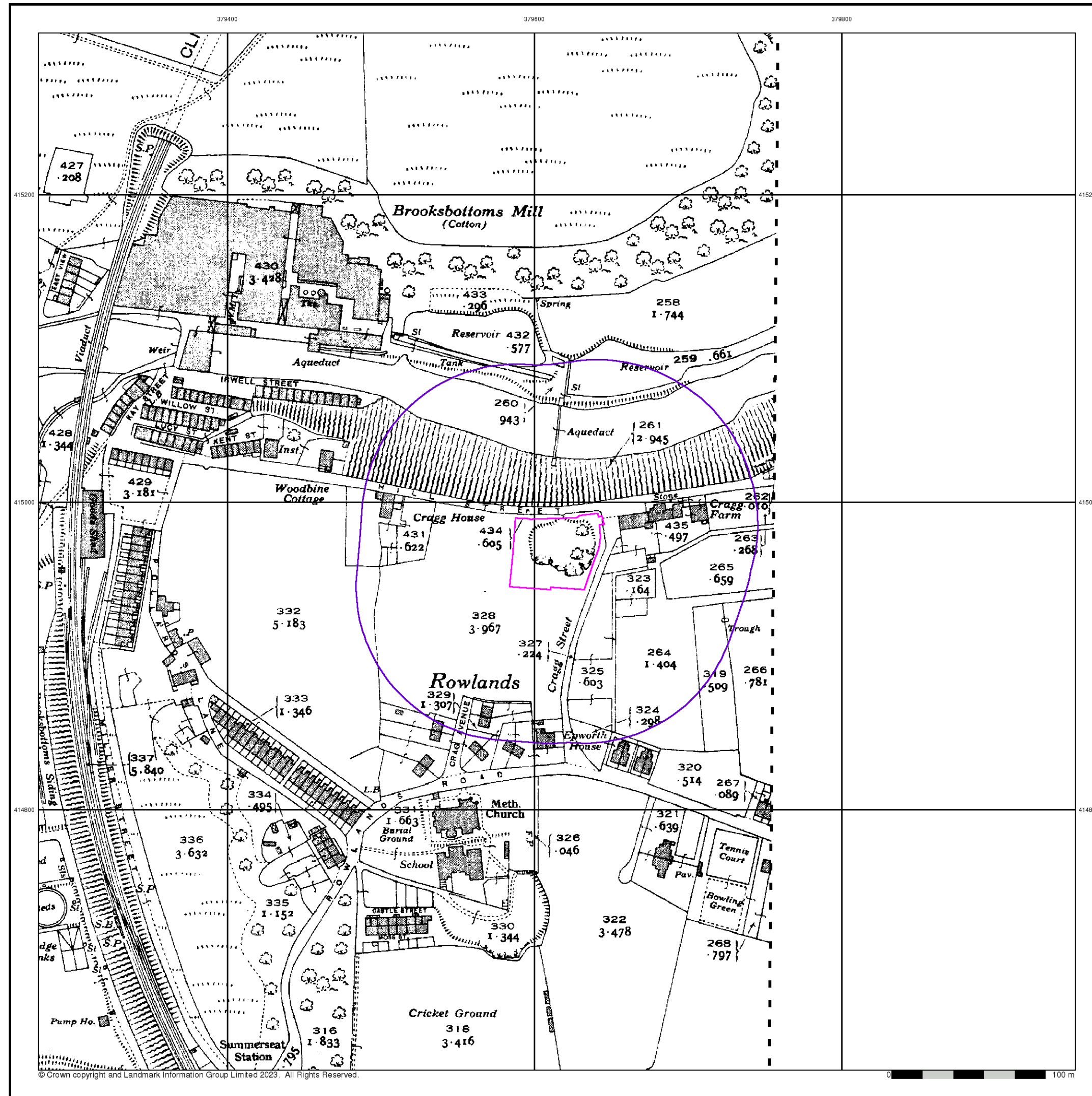
Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 100

Site Details

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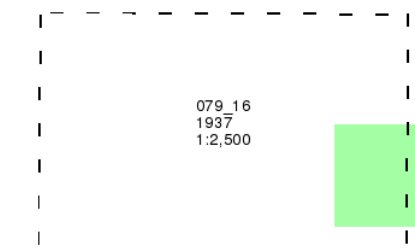
Lancashire And Furness

Published 1937

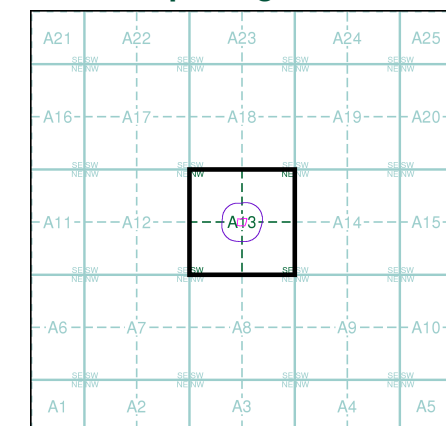
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

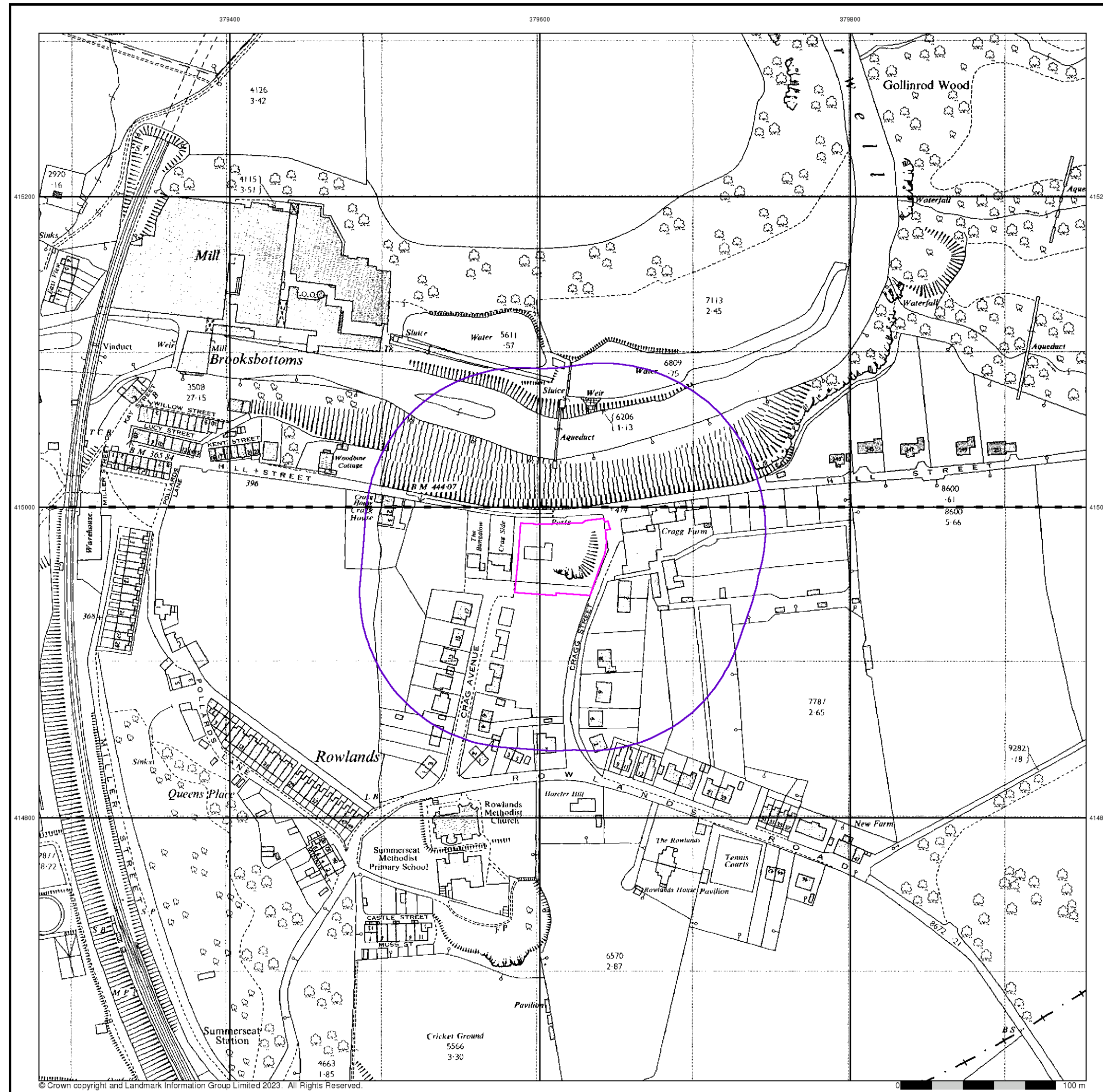
Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1963

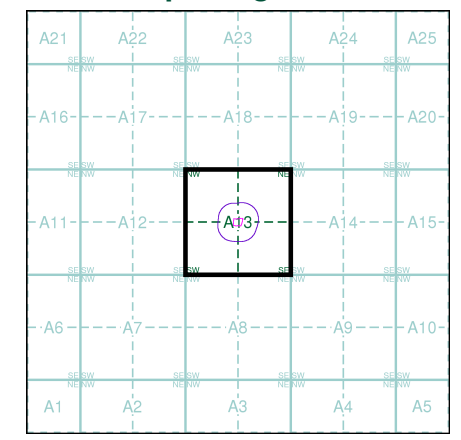
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SD7915
1963
1:2,500
SD7914
1963
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 100

Site Details

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GROUP

Ordnance Survey Plan

Published 1971

Source map scale - 1:2,500

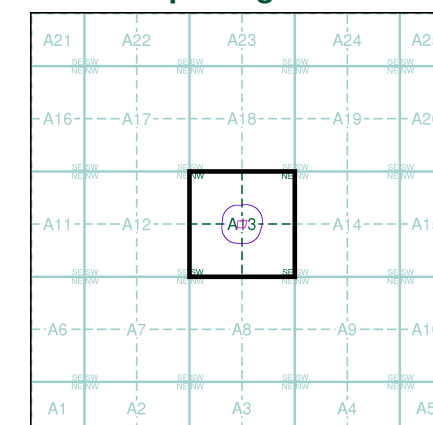
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)

SD7915
1971
1:2,500

SD7914
1971
1:2,500

Historical Map - Segment A13



Order Details

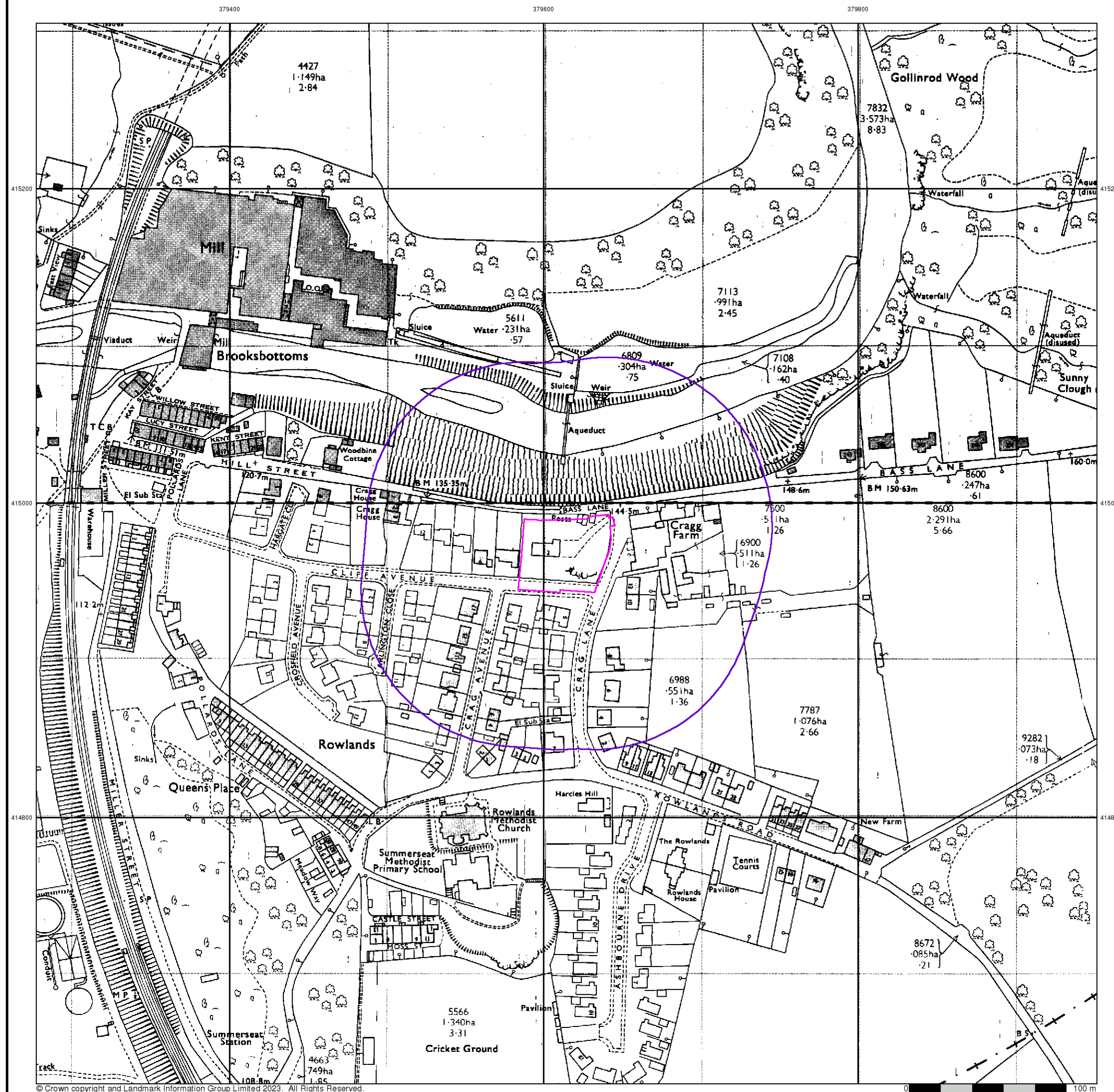
Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 100

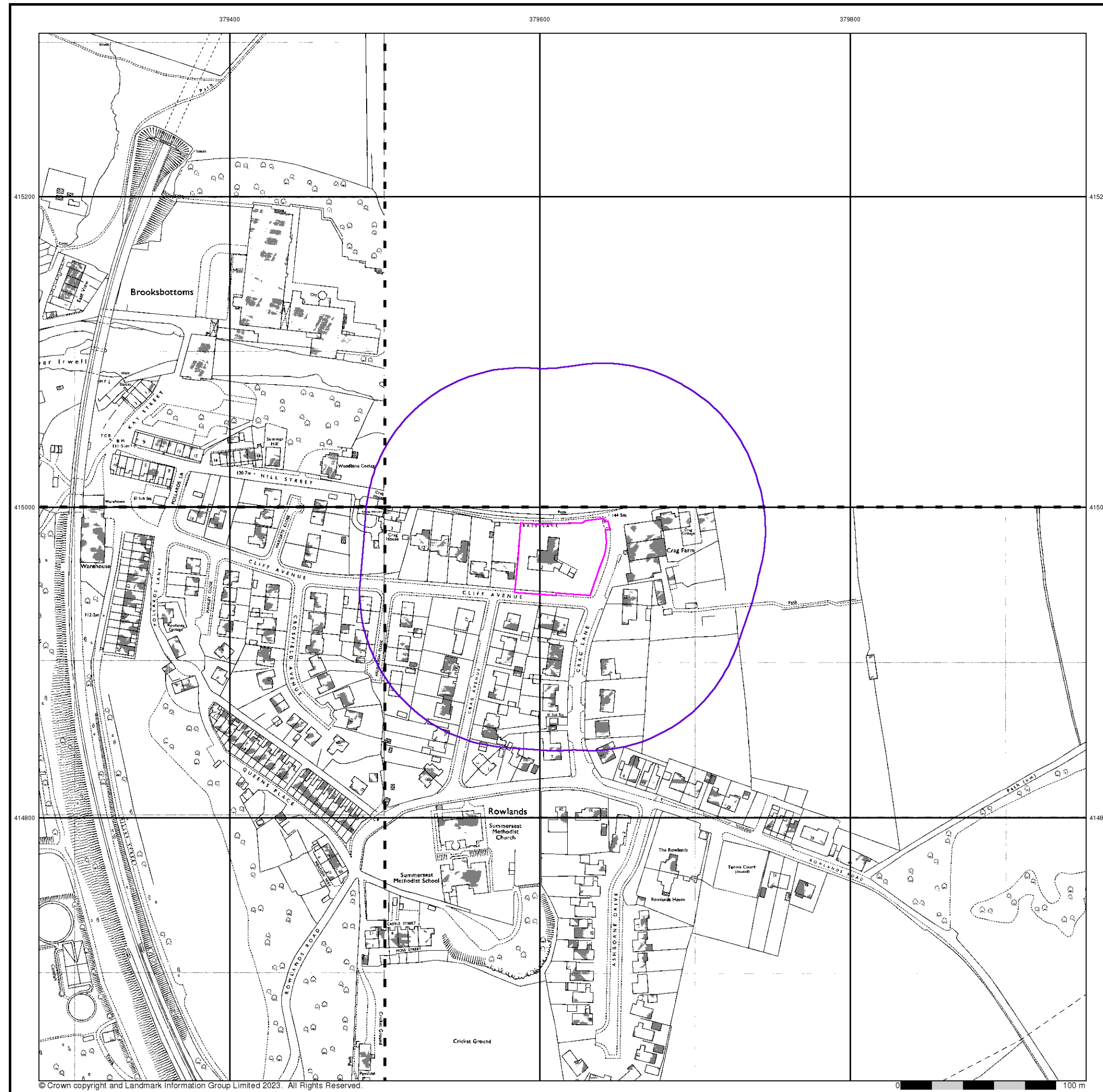
Site Details

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GROUP

Ordnance Survey Plan

Published 1977 - 1978

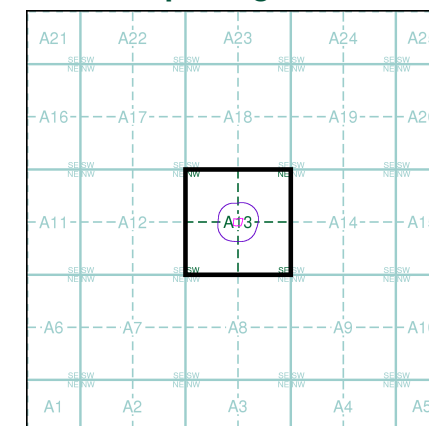
Source map scale - 1:1,250

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)

SD7915SW 1978 1:1,250	
SD7914NW 1977 1:1,250	SD7914NE 1977 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 100

Site Details

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0 100 m

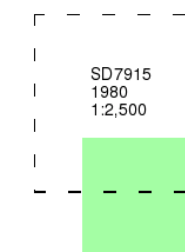
LK
GROUP
Additional SIMs

Published 1980

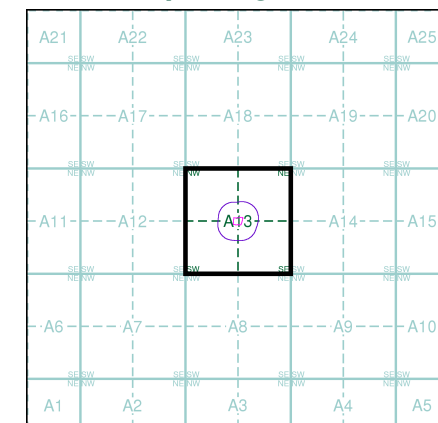
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

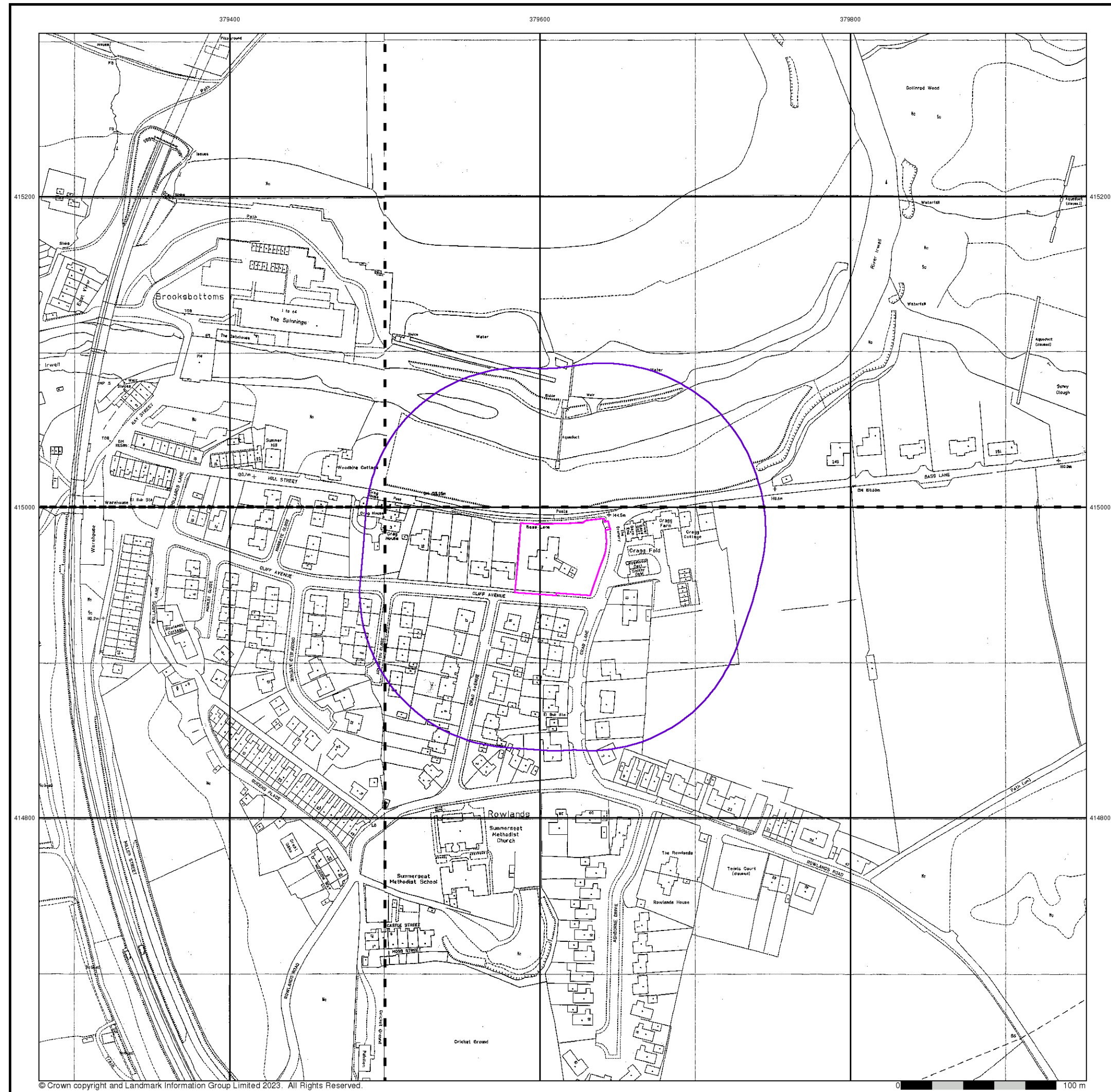
Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 100

Site Details

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LK

GROUP

Large-Scale National Grid Data

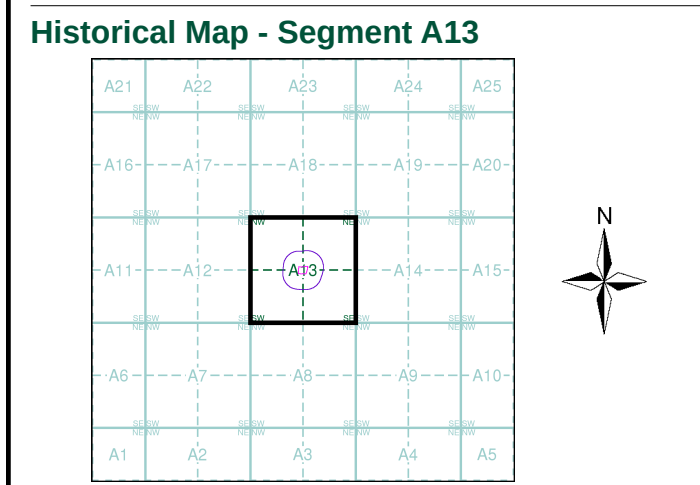
Published 1992

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)

SD7915SW	SD7915SE
1992	1992
1:1,250	1:1,250
SD7914NW	SD7914NE
1992	1992
1:1,250	1:1,250



Order Details

Order Number:

314556966_1_1

Customer Ref:

LKC 23 1294

National Grid Reference:

379610, 414970

Slice:

A

Site Area (Ha):

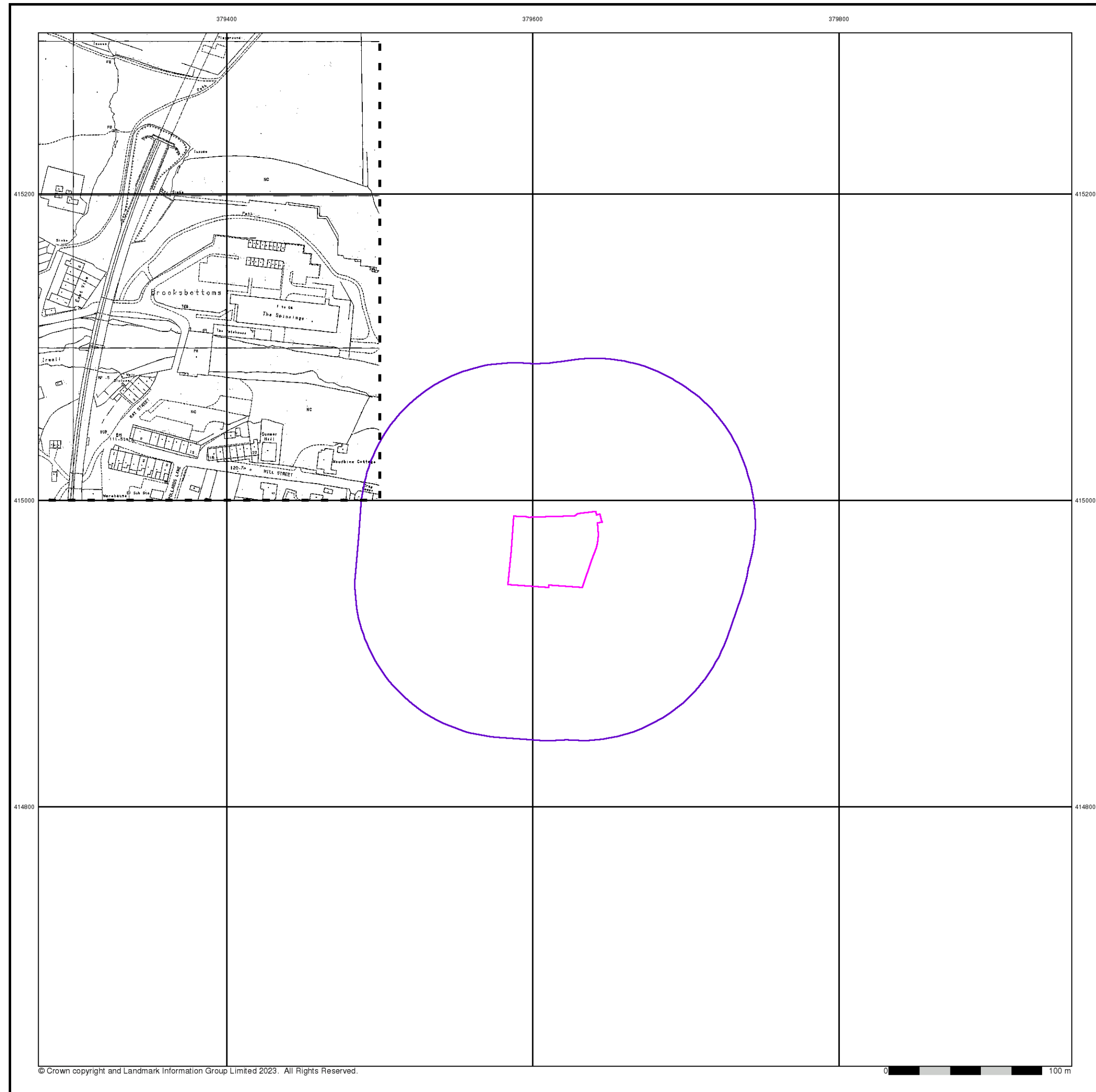
0.25

Search Buffer (m):

100

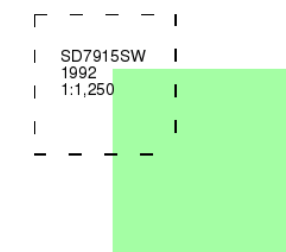
Site Details

2, Cliff Avenue, Bury, BL9 5NT

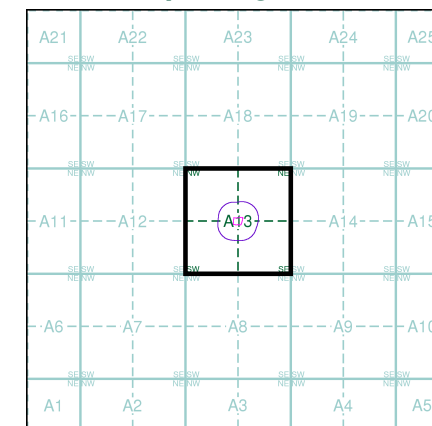


The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 100

Site Details

2, Cliff Avenue, Bury, BL9 5NT



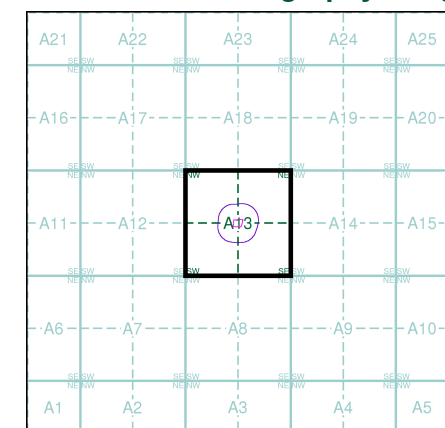
LK GROUP

Historical Aerial Photography

Published 2001

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



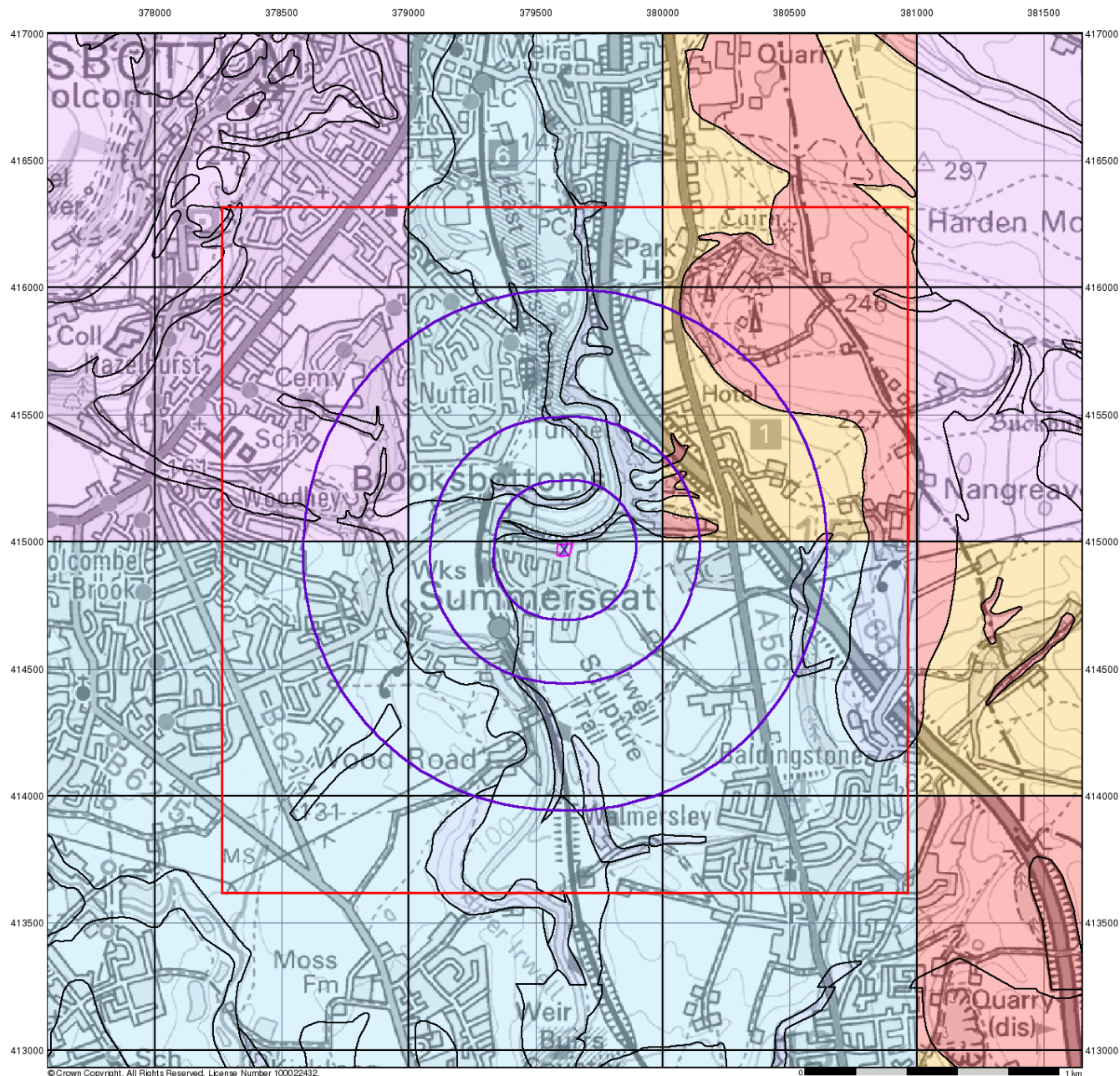
Order Details
Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 100

Site Details
2, Cliff Avenue, Bury, BL9 5NT

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Appendix B

Envirocheck Report



GROUP

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

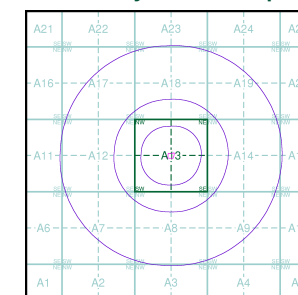
Superficial Aquifers

- 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

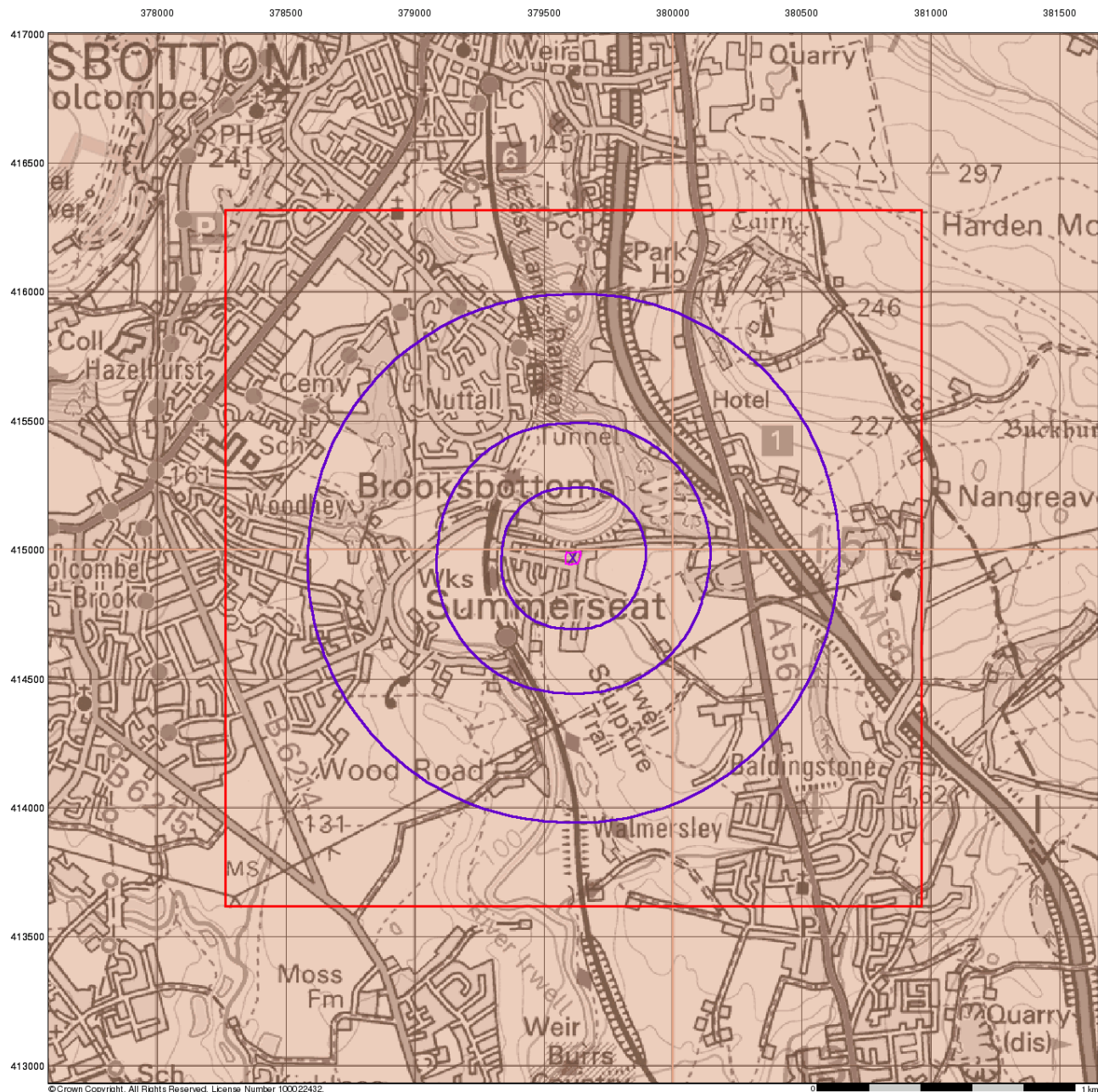
Order Number: 314556966 1_1
 Customer Ref: LKC 23 1294
 National Grid Reference: 379610, 414970
 Slice: A
 Site Area (Ha): 0.25
 Search Buffer (m): 1000

Site Details

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0 1 km



GROUP

Bedrock Aquifer Designation

General

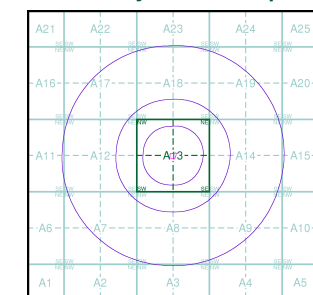
- ◇ Specified Site ○ Specified Buffer(s) X Bearing Reference Point
- Slice 8 Map ID

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

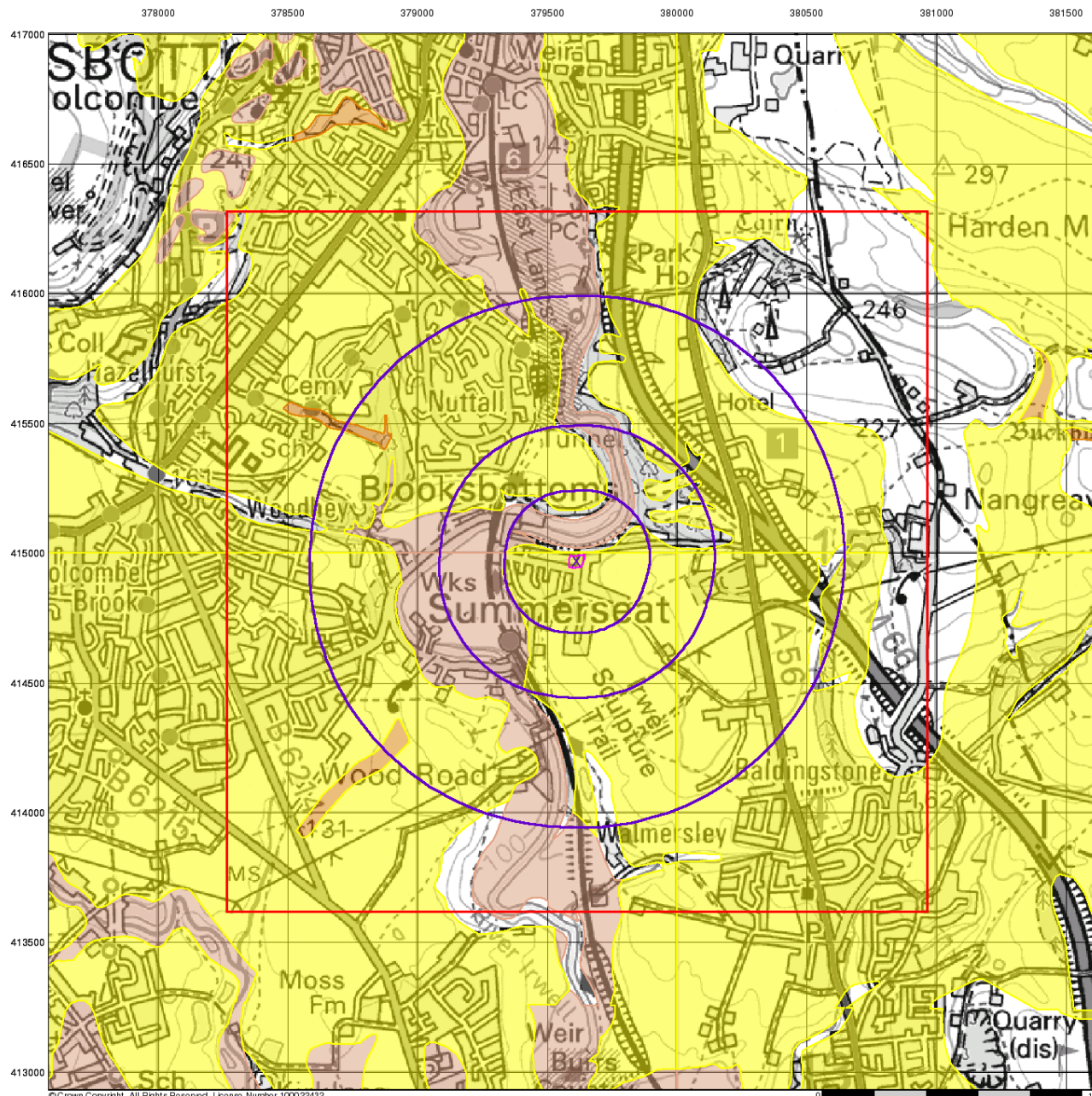
Order Number: 314556966_1_1
 Customer Ref: LKC 23 1294
 National Grid Reference: 379610, 414970
 Slice: A
 Site Area (Ha): 0.25
 Search Buffer (m): 1000

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0 1 km



GROUP

Superficial Aquifer Designation

General

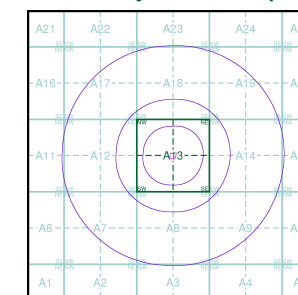
- ◇ Specified Site ○ Specified Buffer(s) X Bearing Reference Point
- Slice B Map ID

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

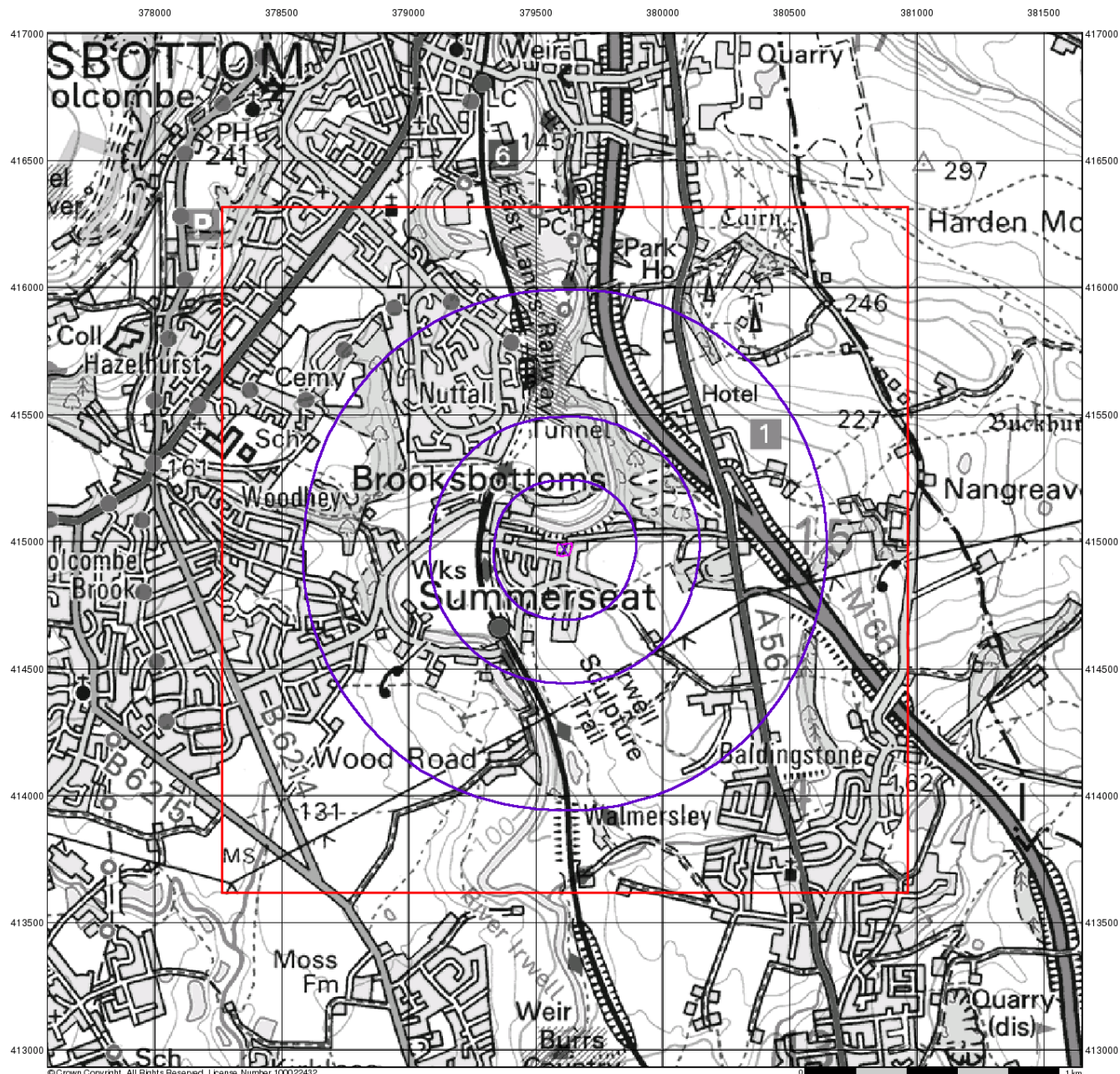
Order Number: 314556966_1_1
 Customer Ref: LKC 23 1294
 National Grid Reference: 379610, 414970
 Slice: A
 Site Area (Ha): 0.25
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

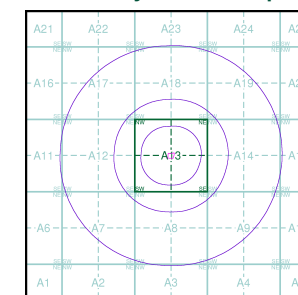
General

- 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

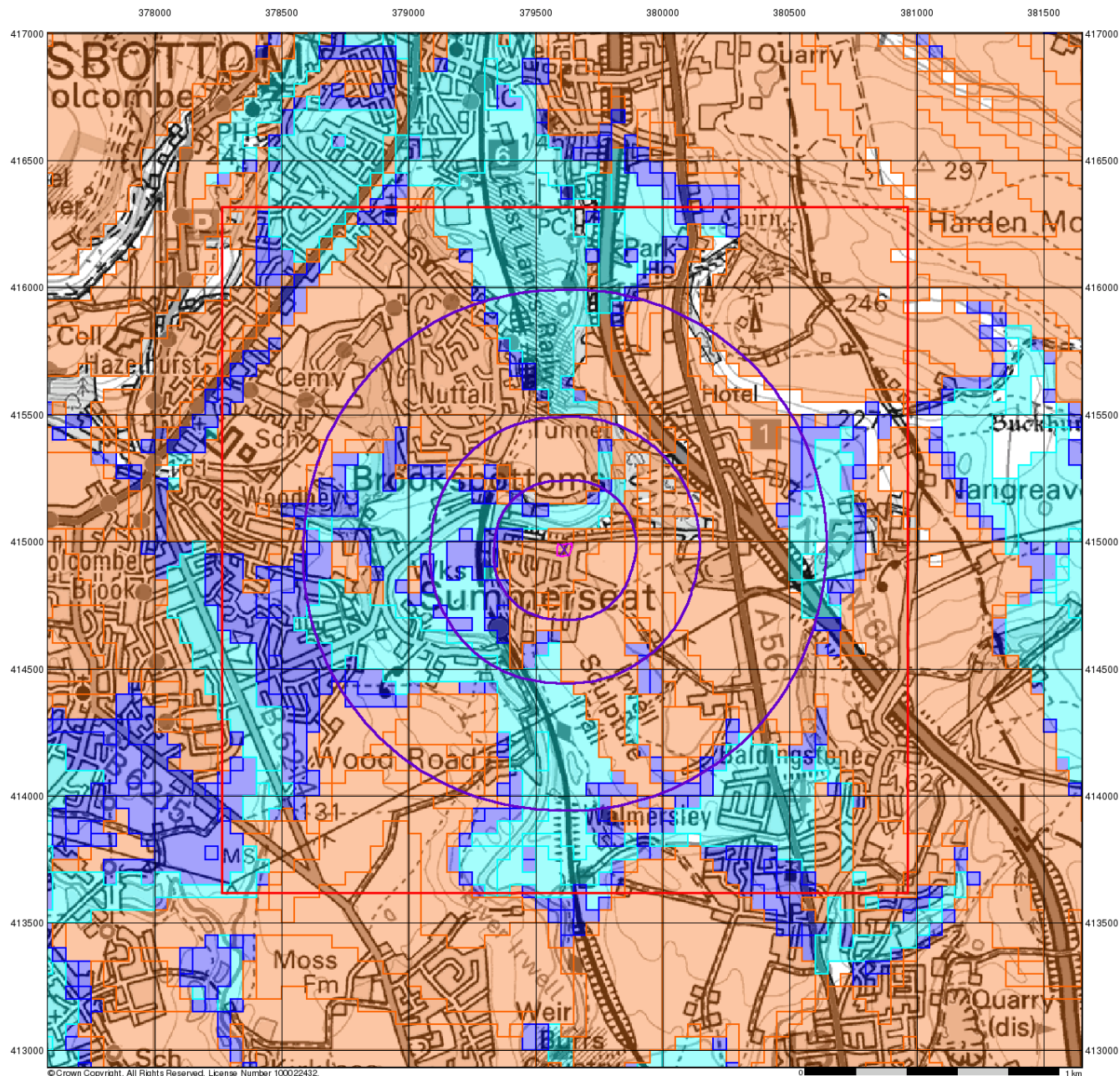
Order Number: 314556966 1_1
 Customer Ref: LKC 23 1294
 National Grid Reference: 379610, 414970
 Slice: A
 Site Area (Ha): 0.25
 Search Buffer (m): 1000

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BGS Flood GFS Data

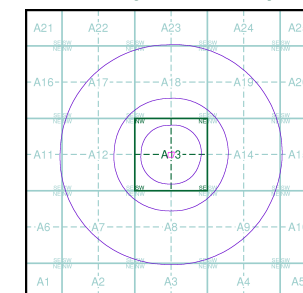
General

- 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: 314556966 1_1
 Customer Ref: LKC 23 1294
 National Grid Reference: 379610, 414970
 Slice: A
 Site Area (Ha): 0.25
 Search Buffer (m): 1000

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

314556966_1_1

Customer Reference:

LKC 23 1294

National Grid Reference:

379610, 414970

Slice:

A

Site Area (Ha):

0.25

Search Buffer (m):

1000

Site Details:

2, Cliff Avenue

Bury

BL9 5NT

Client Details:

L Consult

LK Consult Ltd

Unit 29 Eton Business Park

Eton Hill Road

Radcliffe

Greater Manchester

M26 2ZS

Report Section	Page Number
Summary	-
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Introduction

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

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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					
Discharge Consents	pg 4		1	4	28
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature			Yes		
Pollution Incidents to Controlled Waters	pg 12		3	8	10
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 16	1			2
River Quality Biology Sampling Points	pg 16				1
River Quality Chemistry Sampling Points	pg 17				1
Substantiated Pollution Incident Register					
Water Abstractions	pg 17				6 (*30)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 26	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 26	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 26	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 27		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 27		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 27		16	26	105

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 44		1		3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 44				1
Local Authority Landfill Coverage	pg 45	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 45	1	1		6
Potentially Infilled Land (Water)	pg 45		3	2	7
Registered Landfill Sites	pg 46		1		1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
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 47	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 47	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 51	1	1	1	6
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 52	Yes	n/a	n/a	n/a
Mining Instability	pg 52	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 52	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 52	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 53		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 53	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 54	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 54	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 55	Yes	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 56		3	2	19
Fuel Station Entries					
Points of Interest - Commercial Services	pg 58				2
Points of Interest - Education and Health	pg 58			2	
Points of Interest - Manufacturing and Production	pg 58		1		6
Points of Interest - Public Infrastructure	pg 59		5	4	9
Points of Interest - Recreational and Environmental	pg 60			2	7
Gas Pipelines					
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 62		1		2
Areas of Adopted Green Belt	pg 62	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 (NW)	0	1	379613 414969
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	8	1	379613 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	11	1	379650 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	57	1	379700 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	58	1	379613 415050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	62	1	379700 414950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	84	1	379500 414969
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	117	1	379550 415100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	134	1	379450 414969
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	138	1	379450 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	141	1	379500 415100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	150	1	379550 414800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	156	1	379800 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	158	1	379613 415150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	168	1	379800 415050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	168	1	379700 415150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	194	1	379600 414750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	199	1	379550 414750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	205	1	379850 414969
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	206	1	379850 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	207	1	379400 414850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	212	1	379450 415150

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	A13NE (E)	215	1	379850 415050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	234	1	379350 414969
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	235	1	379750 415200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	238	1	379350 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	239	1	379350 414900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	247	1	379400 415150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	252	1	379450 415200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	255	1	379900 414969
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	256	1	379900 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	263	1	379900 415050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	269	1	379400 414750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	279	1	379900 415100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	280	1	379750 415250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	282	1	379400 415200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	284	1	379300 414969
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	287	1	379350 415150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	294	1	379600 414650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	298	1	379550 414650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	300	1	379300 414850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	303	1	379800 415250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	305	1	379950 414969
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	306	1	379950 415000

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 (NW)	318	1	379350 415200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	321	1	379400 415250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	326	1	379950 415100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	327	1	379850 414700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	330	1	379300 415150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	338	1	379250 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (S)	344	1	379600 414600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	347	1	379550 414600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	353	1	379350 415250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	355	1	380000 414969
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	356	1	380000 415000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	356	1	379500 414600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	357	1	379300 415200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	362	1	379900 414700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	365	1	379900 415250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	373	1	380000 415100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	374	1	379750 415350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	388	1	379300 415250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	395	1	380000 414800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	398	1	379250 415200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	405	1	380050 414969
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	407	1	379850 414600

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	A12SE (SW)	415	1	379250 414700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	422	1	379750 415400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	427	1	379250 415250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	458	1	379850 415400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	476	1	379150 414750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	476	1	379900 414550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	484	1	379100 414950
1	Discharge Consents Operator: Willan Homes Property Type: MAKING OF FOOD PRODUCTS/DAIRY Location: Brooksbottm Mill Swo, Waterside Road/Kay Street, Summerseat, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990632 Permit Version: 1 Effective Date: 1st July 1985 Issued Date: Not Supplied Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	218	2	379400 415100
2	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Ramsbottom Etw, Railway Street, Summerseat, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016950040 Permit Version: 2 Effective Date: 31st January 1985 Issued Date: Not Supplied Revocation Date: 21st June 1989 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	421	2	379330 414610
2	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Ramsbottom Etw, Railway Street, Summerseat, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016950040 Permit Version: 2 Effective Date: 31st January 1985 Issued Date: Not Supplied Revocation Date: 21st June 1989 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	421	2	379330 414610

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Ramsbottom Etw, Railway Street, Summerseat, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016950040 Permit Version: 1 Effective Date: 12th January 1980 Issued Date: Not Supplied Revocation Date: 30th January 1985 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	421	2	379330 414610
2	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Ramsbottom Etw, Railway Street, Summerseat, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016950040 Permit Version: 1 Effective Date: 12th January 1980 Issued Date: Not Supplied Revocation Date: 30th January 1985 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	421	2	379330 414610
3	Discharge Consents Operator: James Hoyle Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Pines, Summerseat, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0167/652 Permit Version: 1 Effective Date: 18th September 1967 Issued Date: 18th September 1967 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	533	2	379336 414474
4	Discharge Consents Operator: G Wright Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Red Hall Hotel & Restaurant 5 Dwellings & An Office Building, Manchester Road, Walmersley, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991083 Permit Version: 2 Effective Date: 8th December 1997 Issued Date: Not Supplied Revocation Date: 7th November 1999 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Irwell Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	552	2	380100 415300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: G Wright Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Red Hall Hotel & Restaurant 5 Dwellings & An Office Building, Manchester Road, Walmersley, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016991083 Permit Version: 1 Effective Date: 31st January 1986 Issued Date: Not Supplied Revocation Date: 7th December 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Irwell Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	552	2	380100 415300
4	Discharge Consents Operator: Red Hall Hotel (Bury) Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Red Hall Hotel & Restaurant 5 Dwellings & An Office Building, Manchester Road, Walmersley, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016991083 Permit Version: 3 Effective Date: 8th November 1999 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Irwell Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	552	2	380100 415300
5	Discharge Consents Operator: The Director Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Island Works, Railway Street, Summerseat, Bury, BL9 5qd Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: Npswqd003490 Permit Version: 2 Effective Date: 30th November 2012 Issued Date: 30th November 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: To Ground Via A Soakaway Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	592	2	379046 414700
5	Discharge Consents Operator: The Director Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Island Works, Railway Street, Summerseat, Bury, BL9 5qd Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: Npswqd003490 Permit Version: 1 Effective Date: 27th October 2008 Issued Date: 27th October 2008 Revocation Date: 29th November 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: To Ground Via A Soakaway 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	A12SE (SW)	592	2	379046 414700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Nuttall Hall Rd, Bury, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0002 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A18SW (N)	640	2	379590 415630
6	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Nuttall Hall Rd, Bury, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01BRY0002 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Irwell Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A18SW (N)	640	2	379590 415630
6	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Nuttall Hall Road Cso Nuttall Hall Road, Ramsbottom, Bury, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016951212 Permit Version: 2 Effective Date: 10th July 2017 Issued Date: 10th July 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	641	2	379580 415630
6	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Nuttall Hall Road Cso Nuttall Hall Road, Ramsbottom, Bury, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016951212 Permit Version: 1 Effective Date: 12th January 1988 Issued Date: Not Supplied Revocation Date: 9th July 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A18SW (N)	641	2	379580 415630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Peel Hall Drive Cso Peel Hall Road, Summerseat, Ramsbottom, Greater Manchester, B19 5qd Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01BRY0004 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Controlled Sea Environment: Receiving Water: Summerseat Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	657	2	378985 414675
7	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Railway Street Cso Railway Street, Summerseat, Ramsbottom, Lancashire, B19 5qd Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0005 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 16th July 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	660	2	378980 414680
7	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Peel Hall Drive Cso Peel Hall Road, Summerseat, Ramsbottom, Greater Manchester, B19 5qd Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0004 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 16th July 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Summerseat Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	660	2	378980 414680
7	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Peel Hall Drive Cso Peel Hall Road, Summerseat, Ramsbottom, Greater Manchester, B19 5qd Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01bry0003 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	660	2	378980 414680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Railway Street Cso Railway Street, Summerseat, Ramsbottom, Lancashire, BL9 5qd Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01BRY0005 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	660	2	378980 414680
7	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Peel Hall Cso (Bry0140) Peel Hall, Peel Hall Road, Summerseat, Bury, BL9 5qr Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprjb3895ay Permit Version: 2 Effective Date: 3rd June 2022 Issued Date: 2nd June 2021 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	663	2	378980 414673
7	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Peel Hall Cso (Bry0140) Peel Hall, Peel Hall Road, Summerseat, Bury, BL9 5qr Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprjb3895ay Permit Version: 1 Effective Date: 2nd June 2021 Issued Date: 2nd June 2021 Revocation Date: 2nd June 2022 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	663	2	378980 414673
7	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Peel Hall Drive Cso Peel Hall Road, Summerseat, Ramsbottom, Greater Manchester, BL9 5qd Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0004 Permit Version: 3 Effective Date: 17th July 2017 Issued Date: 17th July 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	664	2	378979 414672

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Railway Street Cso Railway Street, Summerseat, Ramsbottom, Lancashire, BL9 5qd Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0005 Permit Version: 3 Effective Date: 17th July 2017 Issued Date: 17th July 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	664	2	378979 414672
8	Discharge Consents Operator: Mr S Reynolds Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Westgate Manchester Rd, Walmersley, Bury, Lancashire, BL9 5na Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0168/948 Permit Version: 1 Effective Date: 11th November 1968 Issued Date: 11th November 1968 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	679	2	380196 415385
8	Discharge Consents Operator: Mr A. Fletcher Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Higher Gollinrod Bungalow Manchester Rd, Walmersley, Bury, Lancashire, BL9 5na Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016992382 Permit Version: 1 Effective Date: 1st October 1996 Issued Date: 1st October 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	696	2	380220 415380
9	Discharge Consents Operator: J & H Hinchliffe Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: J Hinchcliffe, Walmersley, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990544 Permit Version: 1 Effective Date: 3rd December 1984 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: River Irwell Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	684	2	380100 415500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Haworth Schofield Ltd Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Gollinrod, Walmersley, Bury, Lancashire, BL9 5nb Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01m/398 Permit Version: 1 Effective Date: 8th December 1961 Issued Date: 8th December 1961 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	685	2	380072 415525
10	Discharge Consents Operator: Mr R Orton Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Lammy Bank Robin Road, Summerseat, Bury, Lancashire, BL9 5qp Authority: Environment Agency, North West Region Catchment Area: Holcombe Brook Reference: 016993369 Permit Version: 1 Effective Date: 18th February 2000 Issued Date: 18th February 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of Holcombe Bk 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	A12NW (W)	766	2	378830 415100
10	Discharge Consents Operator: Thomas Robinson Ltd Property Type: MAKING OF TEXTILES Location: Thomas Robinson(Vyella) Ltd Hope Works, Bolton Road West, Ramsbottom, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990081 Permit Version: 1 Effective Date: 1st January 1900 Issued Date: Not Supplied Revocation Date: 31st August 1990 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Holcombe Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A12NW (W)	796	2	378800 415100
11	Discharge Consents Operator: Mr & Mrs A. Mackenzie Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Tom Nook Farm Turton Road, Tottington, Bury, Lancashire, BL8 3qg Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 0173/2070 Permit Version: 1 Effective Date: 26th October 1973 Issued Date: 26th October 1973 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Kirkless Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8SE (S)	909	2	379800 414050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: United Utilities Water Limited Property Type: ARCHITECTURAL+ENGINEERING + TECHNICAL TESTING+ANALYSIS Location: Nangreaves Service Reservoir, Ramsbottom, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982481 Permit Version: 1 Effective Date: 7th June 1992 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Irwell Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A14SE (E)	938	2	380580 414910
13	Discharge Consents Operator: Michael Simon Gore & Lynda Gore Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 53 Wood Road Lane, Bury, Lancashire, BL9 5pz Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 0173/1971 Permit Version: 1 Effective Date: 15th May 1973 Issued Date: 15th May 1973 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trob Of River Irwell Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8SW (S)	940	2	379300 414050
	Nearest Surface Water Feature	A13NW (N)	41	-	379612 415030
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Animal Carcasses Note: River Irwell Incident Date: 18th March 1995 Incident Reference: 95620560 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	141	2	379500 415100
15	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Combined Sewer Overflow Location: River Irwell, Summerseat, BURY Authority: Environment Agency, North West Region Pollutant: Sewage - Storm Overflow Note: Not Supplied Incident Date: 1st June 1998 Incident Reference: SO980982 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: CSO Normal Operation Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	218	2	379400 415100
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Gas Oil Note: Tributary River Irwell Incident Date: 8th March 1994 Incident Reference: 94620433 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	235	2	379400 414800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Pollution Incidents to Controlled Waters Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Cattle slurry Note: Walmersley Brook Incident Date: 14th July 1994 Incident Reference: 94621562 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Poor Operational Practice Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	253	2	379700 414700
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: River Irwell, Kay Street, SUMMERSEAT Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Unknown Note: White Substance Incident Date: 3rd April 1998 Incident Reference: SO980625 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	287	2	379301 415001
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Gas Oil Note: Tributary River Irwell Incident Date: 19th April 1994 Incident Reference: 94620726 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	307	2	379400 414700
20	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Combined Sewer Overflow Location: SUMMERSEAT Authority: Environment Agency, North West Region Pollutant: Sewage - Storm Overflow Note: River Irwell; Storm Sewage Debris Incident Date: 21st December 1997 Incident Reference: 97622076 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	313	2	379700 415300
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Gas Oil Note: Tributary River Irwell Incident Date: 18th March 1994 Incident Reference: 94620504 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	356	2	379500 414600
22	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: River Irwell Incident Date: 8th February 1995 Incident Reference: 95620253 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	392	2	379400 414600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: No Pollution Found Incident Date: 6th April 1996 Incident Reference: 96620684 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	396	2	379400 414595
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Colour Note: River Irwell; Dye Incident Date: 29th April 1995 Incident Reference: 95620952 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	500	2	379100 415100
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; No Pollution Found Incident Date: 20th August 1996 Incident Reference: 96621843 Catchment Area: Irwell 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 (N)	509	2	379600 415500
25	Pollution Incidents to Controlled Waters Property Type: Pollution Found Source Not Determined Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Colour Note: River Irwell Incident Date: 26th September 1995 Incident Reference: 95622388 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	602	2	379000 414800
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Irwell; None Pollution Found Incident Date: 11th September 1995 Incident Reference: 95622296 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	603	2	379000 414795
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; None Pollution Found Incident Date: 13th September 1996 Incident Reference: 96622017 Catchment Area: Irwell 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)	686	2	378900 414900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Pollution Incidents to Controlled Waters Property Type: Road Location: Nuttall Park, RAMSBOTTOM Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Foam Note: Foam On Stream Incident Date: 24th February 1998 Incident Reference: SO980370 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	705	2	379700 415695
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Natural Note: Tributary River Irwell; Ochre Incident Date: 11th April 1995 Incident Reference: 95620781 Catchment Area: Irwell 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)	710	2	379700 415700
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Brook At Newmarket Street, SUMMERSEAT Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Oily Film On Brook Incident Date: 13th January 1998 Incident Reference: SO980103 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	885	2	378701 415001
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; No Pollution Found Incident Date: 5th August 1996 Incident Reference: 96621724 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	895	2	378700 415100
30	Pollution Incidents to Controlled Waters Property Type: Agriculture Location: Woodhey Road, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Inert : Other Note: Not Supplied Incident Date: 17th May 1999 Incident Reference: 28607 Catchment Area: Irwell Receiving Water: River Stretch (Freshwater) Cause of Incident: Unauthorised Activity : Unauthorised Waste Management Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	941	2	378700 415300
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Not Given Note: None Pollution Found Incident Date: 20th December 1993 Incident Reference: 93622317 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	975	2	380500 414500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Irwell GQA Grade: River Quality C Reach: Rossendale Stw To Chest Wheel Bridge Estimated Distance (km): 9.2 Flow Rate: Flow less than 5 cumecs Flow Type: River Year: 2000	A13SW (S)	0	2	379611 414953
	River Quality Name: Holcombe Bk GQA Grade: River Quality B Reach: Qsl At Redisher Close To Irwell Estimated Distance (km): 1.3 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A12SE (W)	645	2	378964 414767
	River Quality Name: Irwell GQA Grade: River Quality C Reach: Chest Wheel Bridge To Roch Estimated Distance (km): 10.3 Flow Rate: Flow less than 5 cumecs Flow Type: River Year: 2000	A8NW (S)	648	2	379413 414320
32	River Quality Biology Sampling Points Name: Irwell Reach: Chest Wheel Bridge To Roch Estimated Distance: 10.30 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 1995 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2000 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2002 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2003 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2004 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2005 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2006 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2007 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2008 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2009 GQA Grade: River Quality Biology GQA Grade C - Fairly Good	A8NW (S)	611	2	379450 414350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	River Quality Chemistry Sampling Points Name: Holcombe Brook Reach: Qsl At Redisher Close To Irwell Estimated Distance: 1.30 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A12SE (W)	602	2	378982 414936
34	Water Abstractions Operator: Greenleaf Enterprises Ltd Licence Number: 2569001038 Permit Version: 102 Location: River Irwell In Ramsbottom 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: Premises At Summerseat Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st March 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (W)	664	2	378950 414750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Water Abstractions Operator: Binex Ltd Licence Number: 2569001038 Permit Version: 101 Location: River Irwell In Ramsbottom 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): 91 Yearly Rate (m3): 23639 Details: Premises At Summerseat Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (W)	664	2	378950 414750
35	Water Abstractions Operator: Mr J Kenyon Licence Number: 2569001208 Permit Version: 101 Location: Borehole At Summerseat, 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Higher Wood Road Farm, Summerseat Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th November 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	751	2	379200 414300
35	Water Abstractions Operator: John Kenyon & Sons Licence Number: 2569001208 Permit Version: 100 Location: Borehole At Summerseat, 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): 41 Yearly Rate (m3): 14975 Details: Higher Wood Road Farm, Summerseat Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	751	2	379200 414300
36	Water Abstractions Operator: Mr J Whittaker Licence Number: 2569001101 Permit Version: 100 Location: Spring Fed Catchpit At Nuttal Hall Farm, Ramsbottom 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): 3 Yearly Rate (m3): 996 Details: Nuttal Hall Farm, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NW (NW)	767	2	379300 415700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Water Abstractions Operator: Mr K Taylor Licence Number: 2569001218 Permit Version: Not Supplied Location: Wood Mill, SUMMERSEAT Authority: Environment Agency, North West Region Abstraction: Water Power Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: River Irwell 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	A8SW (S)	850	2	379500 414100
	Water Abstractions Operator: Morada International Ltd Licence Number: 2569001131 Permit Version: 100 Location: Boreholes (2) At Hope Works, Ramsbottom \$86 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): 0 Yearly Rate (m3): 0 Details: Hope Works,Bolton Road West,Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1306	2	378900 416100
	Water Abstractions Operator: Messrs Mosley And Thwaites Licence Number: 2569001190 Permit Version: 100 Location: Spring Fed Collecting Chamber At Walmersley 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): 3500 Details: Bast House And Butcheracre Farms Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th May 1972 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A20SW (NE)	1307	2	380800 415600
	Water Abstractions Operator: Morada International Ltd Licence Number: 2569001131 Permit Version: 100 Location: Boreholes (2) At Hope Works, Ramsbottom 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): 1364 Yearly Rate (m3): 363688 Details: Hope Works,Bolton Road West,Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1501	2	378700 416200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Knowles Vanlines Ltd Licence Number: 2569001200 Permit Version: Not Supplied Location: River Irwell, Ramsbottom, BURY Authority: Environment Agency, North West Region Abstraction: Vehicle Washing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 9 Yearly Rate (m3): 2800 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	A23NW (N)	1538	2	379300 416500
	Water Abstractions Operator: Mr A Howarth Licence Number: 2569001188 Permit Version: 100 Location: Borehole At Walmersley, Near 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): 34 Yearly Rate (m3): 12456 Details: Premises At Walmersley,+Baldingstone Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15SE (E)	1558	2	381200 414900
	Water Abstractions Operator: Tetrosyl Ltd Licence Number: 2569001247 Permit Version: 100 Location: Unnamed Tributary Of Pigs Lee Brook Feeding A Reservoir At B Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1512 Yearly Rate (m3): 453000 Details: Land At Bevis Green Works,Walmersley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th May 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NW (SE)	1681	2	380950 413900
	Water Abstractions Operator: Tetrosyl Ltd Licence Number: 2569001247 Permit Version: 100 Location: Unnamed Tributary Of Pigs Lee Brook Feeding A Reservoir At B Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Bevis Green Works,Walmersley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th May 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NW (SE)	1681	2	380950 413900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mondi Holcombe Limited Licence Number: 2569001030 Permit Version: 105 Location: Borehole At Peel Bridge Mills, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: 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: Land At Peel Bridge Mills, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th August 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1735	2	379300 416700
	Water Abstractions Operator: Mondi Packaging Holcombe Limited Licence Number: 2569001030 Permit Version: 104 Location: Borehole At Peel Bridge Mills, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: 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: Land At Peel Bridge Mills, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th September 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1735	2	379300 416700
	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569001030 Permit Version: 103 Location: Borehole At Peel Bridge Mills, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: 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: Land At Peel Bridge Mills, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th November 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1735	2	379300 416700
	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569001030 Permit Version: 102 Location: Borehole At Peel Bridge Mills, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Land At Peel Bridge Mills, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1735	2	379300 416700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Danisco Paper Ltd Licence Number: 2569001030 Permit Version: 101 Location: Borehole At Peel Bridge Mills, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1637 Yearly Rate (m3): 409149 Details: Land At Peel Bridge Mills, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st August 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1735	2	379300 416700
	Water Abstractions Operator: Mr C Sellers Licence Number: 2569001187 Permit Version: 100 Location: Spring Fed Collecting Chamber At Nangreaves, 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): 6 Yearly Rate (m3): 1990 Details: Premises At Nangreaves, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th June 1971 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A20SE (E)	1765	2	381300 415600
	Water Abstractions Operator: Danisco Paper Ltd Licence Number: 2569001029 Permit Version: 101 Location: Goit Fed By Surface Drainage And River Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1637 Yearly Rate (m3): 272766 Details: Premises At Peel Bridge Mills Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st August 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1828	2	379300 416795
	Water Abstractions Operator: Mondi Holcombe Limited Licence Number: 2569001224 Permit Version: 103 Location: R.Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: 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: Holcombe Paper Mill, Peel Bridge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th August 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1833	2	379300 416800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mondi Holcombe Limited Licence Number: 2569001029 Permit Version: 105 Location: Goit Fed By Surface Drainage And River Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Peel Bridge Mills Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th August 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1833	2	379300 416800
	Water Abstractions Operator: Mondi Packaging Holcombe Limited Licence Number: 2569001029 Permit Version: 104 Location: Goit Fed By Surface Drainage And River Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Peel Bridge Mills Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th September 2005 Permit End Date: 31st March 2015 Positional Accuracy: Located by supplier to within 100m	(N)	1833	2	379300 416800
	Water Abstractions Operator: Mondi Packaging Holcombe Limited Licence Number: 2569001224 Permit Version: 102 Location: R.Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: 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: Holcombe Paper Mill, Peel Bridge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th September 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1833	2	379300 416800
	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569001029 Permit Version: 103 Location: Goit Fed By Surface Drainage And River Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Peel Bridge Mills Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th November 2004 Permit End Date: 31st March 2015 Positional Accuracy: Located by supplier to within 100m	(N)	1833	2	379300 416800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569001029 Permit Version: 102 Location: R.Inwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Peel Bridge Mills Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1833	2	379300 416800
	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569001029 Permit Version: 102 Location: Goit Fed By Surface Drainage And River Inwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Peel Bridge Mills Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1833	2	379300 416800
	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569001224 Permit Version: 101 Location: R.Inwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: 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: Holcombe Paper Mill,Peel Bridge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1833	2	379300 416800
	Water Abstractions Operator: Danisco Paper Ltd Licence Number: 2569001224 Permit Version: 100 Location: R.Inwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1091 Yearly Rate (m3): 90920 Details: Holcombe Paper Mill,Peel Bridge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st September 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1833	2	379300 416800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: B J Entwistle Licence Number: 2569001249 Permit Version: 100 Location: Borehole At Gindles Cottage, Walmersley, Bury Authority: Environment Agency, North West Region Abstraction: Private Water Undertaking: Raw Water Supply Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2 Yearly Rate (m3): 829 Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th February 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1873	2	381440 414450
	Water Abstractions Operator: Canal And River Trust Licence Number: Nw/069/0001/016 Permit Version: 1 Location: River Irwell At Elton Reservoir Authority: Environment Agency, North West Region Abstraction: Navigation: General Use Relating To Secondary Category (Very Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 31st March 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1874	2	379677 413070
	Water Abstractions Operator: Bury Metropolitan Borough Council Licence Number: 2569001246 Permit Version: 100 Location: River Irwell At Bridge Street Ramsbottom Authority: Environment Agency, North West Region Abstraction: Amenity: Supply to a Leat for Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 172920 Yearly Rate (m3): 63115200 Details: Land At Bridge St , Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th August 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1876	2	379350 416850
	Water Abstractions Operator: R Fitton Licence Number: 2569001123 Permit Version: 100 Location: Well At Irwell View Farm, Walmesley, Bury, 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): 3 Yearly Rate (m3): 1214 Details: Irwell View Farm, Walmesley, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1902	2	380100 413100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Darul Uloom Licence Number: 2569010228 Permit Version: Not Supplied Location: Borehole, Holcombe, BURY, Lancashire Authority: Environment Agency, North West Region Abstraction: Private Water Supply (Domestic & Holiday Recreation/Hotels Etc) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 91 Yearly Rate (m3): 22730 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	(NW)	1961	2	377800 415795
	Water Abstractions Operator: Darul Uloom Licence Number: 2569001228 Permit Version: 100 Location: Borehole At Holcombe, Near Bury, Lancs Authority: Environment Agency, North West Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 91 Yearly Rate (m3): 22730 Details: Premises At Holcombe Hall, Holcombe Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th June 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(NW)	1963	2	377800 415800
	Water Abstractions Operator: Bury Cooper Whitehead Ltd. Licence Number: 2569001116 Permit Version: Not Supplied Location: Bury, BURY Authority: Environment Agency, North West Region Abstraction: Transfer Water Abstraction Type: Not Supplied Source: River Daily Rate (m3): 2618 Yearly Rate (m3): 27276 Details: Pigs Lee Stream 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	A5SW (SE)	1998	2	380900 413400
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A13NW (NW)	0	3	379613 414969
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (NW)	0	3	379613 414969
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NW (NW)	0	3	379613 414969

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	26	2	379614 415018
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	29	2	379608 415018
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	26	2	379614 415018
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	29	2	379608 415018
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 309.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A13NW (N)	53	4	379613 415043
39	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	A13NE (N)	56	4	379638 415048
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 216.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A13NE (N)	56	4	379638 415048
41	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 16.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (N)	78	4	379634 415070
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (N)	88	4	379620 415079
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (N)	92	4	379610 415081

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (N)	102	4	379577 415091
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	111	4	379555 415096
46	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	112	4	379556 415097
47	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 17.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (N)	112	4	379574 415100
48	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 25.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (N)	112	4	379574 415100
49	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 44.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13NW (N)	122	4	379559 415108
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	139	4	379514 415107
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13NW (NW)	139	4	379514 415107
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A13NE (NE)	235	4	379814 415152

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 440.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	235	4	379814 415152
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A13NE (NE)	271	4	379822 415196
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 191.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	271	4	379822 415196
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A13NW (NW)	274	4	379338 415102
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 2	A13NW (NW)	274	4	379338 415102
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	307	4	379363 415199
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	309	4	379362 415200
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	333	4	379798 415286
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 642.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A13NE (NE)	333	4	379798 415286

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	334	4	379251 414970
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 154.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	340	4	379302 415174
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	345	4	379292 415168
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A12NE (W)	358	4	379244 415089
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 291.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A12NE (W)	363	4	379238 415086
67	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	A12NE (W)	363	4	379238 415086
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	368	4	379234 415092
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 230.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	399	4	379186 414929
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	401	4	379213 415132

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	402	4	379346 414622
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 170.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (NE)	408	4	379902 415307
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (NE)	408	4	379902 415307
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8NW (SW)	412	4	379357 414602
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 273.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8NW (SW)	413	4	379345 414609
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 144.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	421	4	380008 415202
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	421	4	380008 415202
78	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	A8NW (SW)	477	4	379322 414547
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (NW)	483	4	379151 415193

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	524	4	379265 414530
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	525	4	380051 415322
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	527	4	379262 414529
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	532	4	379356 414466
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 201.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8NW (SW)	532	4	379356 414466
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	545	4	379074 414754
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 321.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	546	4	379900 414468
87	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	A7NE (SW)	558	4	379235 414511
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 281.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	564	4	380205 415052

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	569	4	379232 414499
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	577	4	380088 415359
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A12SE (W)	577	4	379009 414909
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A12SE (W)	577	4	379009 414909
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 210.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	583	4	379232 414480
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A7NE (SW)	583	4	379232 414480
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A12SE (W)	584	4	379000 414919
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 237.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A12SE (W)	587	4	378997 414923
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (SW)	590	4	379066 414664

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 254.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A12SE (SW)	598	4	379075 414631
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 192.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8NW (S)	627	4	379493 414325
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (S)	627	4	379493 414325
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (N)	640	4	379470 415618
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	653	4	378943 414820
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	658	4	378938 414822
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	661	4	378934 414823
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	662	4	379653 414282
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	699	4	379608 414244

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	700	4	378892 414842
108	OS Water Network Lines Watercourse Form: Marsh Watercourse Length: 81.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	702	4	378890 414844
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	712	4	379023 414507
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	713	4	379022 414508
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	729	4	379593 414215
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	730	4	378969 414553
113	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	A12SW (W)	738	4	378847 414913
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	742	4	378891 415245
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	753	4	379857 415713

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	754	4	379855 415715
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 79.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	755	4	379873 415710
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 191.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	756	4	379681 415747
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	758	4	378846 415144
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	765	4	378827 415070
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	765	4	378827 415070
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 283.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	766	4	378844 415172
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A12NW (W)	766	4	378827 415069
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	769	4	379777 415749

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	771	4	378814 414954
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	771	4	378895 415327
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	771	4	378895 415327
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	774	4	379601 415765
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A18NW (N)	774	4	379601 415765
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	775	4	378949 415428
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	795	4	379855 415758
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 516.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8SW (S)	802	4	379547 414145
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	804	4	378848 414624

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	805	4	378896 415400
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	811	4	378949 415488
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 148.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	828	4	379227 414198
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	829	4	379573 415819
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	830	4	379171 414226
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	834	4	379304 414160
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	834	4	378889 415444
141	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 46.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	834	4	380456 415179
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	835	4	378882 415435

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A12NW (W)	837	4	378757 415090
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 167.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	837	4	378757 415090
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	840	4	378885 415450
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	842	4	378943 415532
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	846	4	379760 415830
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	850	4	379093 414252
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	852	4	379091 414250
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	852	4	379380 414118
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NW (N)	852	4	379562 415841

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	852	4	379562 415841
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	853	4	379381 414117
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	870	4	379331 414114
155	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 23.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	872	4	380486 415215
156	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 16.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	872	4	380486 415215
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	876	4	380485 415231
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	888	4	378882 415529
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	894	4	380509 415214
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 101.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	895	4	378829 415464

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	895	4	378829 415464
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 156.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A18NE (N)	896	4	379658 415888
163	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	902	4	378735 414642
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	906	4	378826 415481
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 182.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	917	4	378722 414634
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 182.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Walmersley Brook Catchment Name: Mersey Primacy: 1	A14SE (E)	918	4	380554 414860
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Walmersley Brook Catchment Name: Mersey Primacy: 1	A14SE (E)	918	4	380554 414860
168	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	919	4	378703 415235
169	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	920	4	378699 415227

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
170	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	921	4	380514 415290
171	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 413.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	922	4	379352 414054
172	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Walmersley Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	927	4	380571 415010
173	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	936	4	378857 415575
174	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	936	4	378857 415575
175	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Walmersley Brook Catchment Name: Mersey Primacy: 1	A14SE (E)	946	4	380588 414913
176	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	946	4	380588 414913
177	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 143.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	947	4	380589 414914
178	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 302.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	953	4	379504 415939

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
179	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	956	4	378862 415612
180	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	958	4	378855 415606
181	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 190.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Walmersley Brook Catchment Name: Mersey Primacy: 1	A14SE (E)	961	4	380546 414647
182	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	992	4	378738 415501
183	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	992	4	378738 415501
184	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	998	4	380599 415280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
185	Historical Landfill Sites Licence Holder: G T Botham Location: Summerseat, Near Bury Name: Miller Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15690 First Input Date: 31st December 1979 Last Input Date: 31st December 1984 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9091 BGS Ref: Not Supplied Other Ref: C053, RD/LIC/173/79	A13SW (SW)	236	2	379386 414817
186	Historical Landfill Sites Licence Holder: Search Quick Limited Location: Bury Name: Field North Of Gin Hall Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15697 First Input Date: 1st August 1987 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9255 BGS Ref: Not Supplied Other Ref: WML/0479/M02/T01, C038	A14SE (E)	743	2	380340 414719
187	Historical Landfill Sites Licence Holder: Not Supplied Location: Walmersley, Bury, Greater Manchester Name: Springside Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD34840 First Input Date: 31st December 1965 Last Input Date: 31st December 1965 Specified Waste: Deposited Waste included Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: C123	A3NE (S)	990	2	379672 413954
188	Historical Landfill Sites Licence Holder: Not Supplied Location: Off Hope Street, Ramsbottom, Greater Manchester Name: Carrington Novare Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15678 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: C069	A17NW (NW)	1000	2	378884 415700
189	Licensed Waste Management Facilities (Locations) Licence Number: 408325 Location: Walmersley, Bury, BL9 5NB Operator Name: Park House Services NW Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Treatment of waste to produce soil <75,000 tpy Licence Status: Issued Issued: 28th July 2022 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	A18SE (NE)	539	2	379913 415457

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Bury Metropolitan Borough Council - Has not been able to supply Landfill data		0	5	379613 414969
190	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A13NE (E)	0	-	379634 414977
191	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A13NE (NE)	7	-	379652 414987
192	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A8NW (SW)	552	-	379354 414444
193	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A8NW (SW)	579	-	379343 414420
194	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A9NW (SE)	625	-	380149 414593
195	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A8NW (S)	629	-	379596 414314
196	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A9NW (SE)	804	-	380267 414451
197	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A7NW (SW)	970	-	378731 414484
198	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13NE (N)	125	-	379649 415117
199	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13NW (N)	128	-	379609 415117
200	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13NW (NW)	152	-	379519 415125
201	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (W)	257	-	379335 414884
202	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13NW (W)	309	-	379279 415002
203	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12SE (W)	534	-	379081 414767
204	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SE (SW)	690	-	378968 414634
205	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SE (SW)	692	-	378967 414631
206	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SW (W)	707	-	378881 414873
207	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12SW (W)	751	-	378834 414908

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
208	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NW (W)	785	-	378805 415046
209	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A8SE (S)	903	-	379683 414042
210	Registered Landfill Sites Licence Holder: G T Botham Licence Reference: 00173 Site Location: Miller Street, Summerseat, Bury, Lancashire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: 2 Meadoway, Summerseat, BURY, Lancashire, BL9 5HH 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: 7th December 1979 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 Prohibited Waste: Liquid/Slurry/Sludge Wastes	A13SW (SW)	229	2	379391 414823
211	Registered Landfill Sites Licence Holder: Searchquick Ltd Licence Reference: 00479/M01/T01 Site Location: North Of Gin Hall Landfill Site, Walmersley Road, Bury, Lancashire Licence Easting: 380500 Licence Northing: 414550 Operator Location: C/O Clare Tool.Sys, Excelsior Works, Manchester, Greater Manchester 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 October 1987 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Ceramic Materials Constr'N Ind. Wastes Containing Only Fibreglass Glass Metals Plastics Similar Non Leachate Forming Materials Soil,Clay,Sand, Stone,Brick,Concrete,Slate Wood Prohibited Waste: Animal Flesh Chemical Waste Of Any Nature Foodstuffs Paper/Cardboard Plasterboard Sawdust Textiles Vegetable Matter Waste Forming Polluting Leachate Waste In Liquid Or Sludge Form	A9NE (SE)	953	2	380500 414550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Millstone Grit Group [See Also Migr]	A13NW (NW)	0	1	379613 414969
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	0	1	379613 414969
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	0	1	379612 414989
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	230	1	379817 415142
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (S)	454	1	379500 414500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (E)	500	1	380144 415012
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (SW)	564	1	379285 414468

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 15 - 30 mg/kg Concentration:	A8SE (S)	654	1	379619 414290
	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)	656	1	379576 414288
	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)	674	1	379506 414276
	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 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	680	1	379500 414271
	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:	A7NE (SW)	715	1	379025 414500
	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 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	722	1	379496 414229

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 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	729	1	379461 414227
	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 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	744	1	379357 414237
	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 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	747	1	379467 414208
	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:	A18NE (NE)	747	1	379940 415677
	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)	817	1	379536 414130
	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 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	821	1	379500 414129

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 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	823	1	379486 414129
	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:	A14NE (E)	855	1	380500 414969
	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)	894	1	379525 414054
	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 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	898	1	379500 414052
	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 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	904	1	379482 414047
	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:	A19NW (NE)	961	1	380287 415705

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
212	BGS Recorded Mineral Sites Site Name: Cragg Farm Location: Brooksbottm, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96009 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brooksbottoms Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	0	1	379642 414987
213	BGS Recorded Mineral Sites Site Name: Rowlands Location: Brooksbottm, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96010 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (S)	213	1	379590 414732
214	BGS Recorded Mineral Sites Site Name: Brooksbottm Location: Brooksbottm, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96008 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brooksbottoms Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SE (N)	370	1	379736 415350
215	BGS Recorded Mineral Sites Site Name: Lower Summerseat Location: Summerseat, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96024 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	A8NW (SW)	549	1	379299 414477
216	BGS Recorded Mineral Sites Site Name: Chest Wheel Bridge Location: Summerseat, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96437 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	A8NW (S)	563	1	379422 414406
217	BGS Recorded Mineral Sites Site Name: Bird Hall Location: Summerseat, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96125 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	624	1	380148 414593

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
218	BGS Recorded Mineral Sites Site Name: Chest Wheel Farm Location: Summerseat, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96438 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	647	1	379672 414298
219	BGS Recorded Mineral Sites Site Name: Bird Hall Location: Summerseat, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96126 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Lower Haslingden Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	804	1	380269 414454
220	BGS Recorded Mineral Sites Site Name: Higher Summerseat Sand Pit Location: Summerseat, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 260254 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Till, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	978	1	378724 414481
	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 (NW)	0	6	379613 414969
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (NW)	0	-	379613 414969
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	379613 414969
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	8	1	379613 415000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	379613 414969
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	8	1	379613 415000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	28	1	379612 415019
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	138	1	379613 415129

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	244	1	379363 414840
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	379613 414969
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	8	1	379613 415000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	28	1	379612 415019
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	138	1	379613 415129
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	244	1	379363 414840
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	379613 414969
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	8	1	379613 415000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	379611 414962
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	379613 414969
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	379613 414973
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	8	1	379613 415000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	11	1	379613 415003
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	14	1	379611 415008
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	28	1	379612 415019
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	56	1	379617 415046
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	64	1	379616 415055
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	94	1	379495 415000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	107	1	379751 415000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	118	1	379684 415103
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	134	1	379460 415028

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	165	1	379601 415155
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	174	1	379599 415164
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	190	1	379573 415180
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	209	1	379414 415105
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	213	1	379394 414849
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	226	1	379358 414937
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	379613 414969
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	8	1	379613 415000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	11	1	379613 415003
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	28	1	379612 415019
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	138	1	379613 415129
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	174	1	379599 415164
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	185	1	379710 415164
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	244	1	379363 414840
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	379613 414969
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	8	1	379613 415000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	11	1	379613 415003
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	141	1	379453 415029
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	165	1	379601 415155
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	245	1	379343 415000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	379613 414975
	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 (NW)	0	1	379613 414969
	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 (N)	0	1	379613 414975
	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 (NW)	0	1	379613 414969

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
221	Contemporary Trade Directory Entries Name: Zenith Carpet & Upholstery Cleaning Location: 10,10 The Spinnings,Waterside Road,The Spinnings, Summerseat, Bury, Lancashire, BL9 5QW Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	184	-	379456 415118
221	Contemporary Trade Directory Entries Name: Fridgeland On-Line Ltd Location: The Gatehouse, Kay Street, Summerseat, Bury, Lancashire, BL9 5PE Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	209	-	379417 415111
221	Contemporary Trade Directory Entries Name: Fridgeland Online Ltd Location: Kay St, Summerseat, Bury, Lancashire, BL9 5PE Classification: Refrigerators & Freezers - Servicing & Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NW (NW)	232	-	379381 415094
222	Contemporary Trade Directory Entries Name: The Prioory Highbank Centre Location: Walmersley House, Walmersley Road, Walmersley, Bury, Lancashire, BL9 5LX Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	484	-	380106 414837
223	Contemporary Trade Directory Entries Name: C-Air Filtration Location: 18, Cleveland Close, Ramsbottom, Bury, BL0 9FH Classification: Air Purification Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	494	-	379281 415376
223	Contemporary Trade Directory Entries Name: K P Fire Engineering Location: 191, Whittingham Drive, Ramsbottom, Bury, Lancashire, BL0 9NY Classification: Firefighting Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	536	-	379245 415401
224	Contemporary Trade Directory Entries Name: M & J Supplies Location: 33, Marlborough Close, Ramsbottom, Bury, Lancashire, BL0 9YU Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	583	-	379133 415353
225	Contemporary Trade Directory Entries Name: Hinchliffe Transport Services Ltd Location: Gollinrod, Bury, Lancashire, BL9 5NB Classification: Commercial Vehicle Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	639	-	380038 415494
225	Contemporary Trade Directory Entries Name: J & H Hinchcliffe Location: Gollinrod, Bury, Lancashire, BL9 5NB Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	639	-	380038 415494
226	Contemporary Trade Directory Entries Name: Binex Ltd Location: Summerseat Dye Works, Railway Street, Bury, Lancashire, BL9 5QD Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A7NE (SW)	640	-	379080 414551
227	Contemporary Trade Directory Entries Name: Nu-Form Fire Uk Location: 390, Gollinrod, BURY, Lancashire, BL9 5NB Classification: Firefighting Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	647	-	380101 415448

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
228	Contemporary Trade Directory Entries Name: Zanotti Location: Gollinrod, Bury, Lancashire, BL9 5NB Classification: Refrigeration Equipment - Commercial Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	674	-	380065 415517
228	Contemporary Trade Directory Entries Name: Refrigeration (Atp) Ltd Location: Gollinrod, Manchester Road, Bury, Lancashire, BL9 5NB Classification: Refrigeration Equipment Manufacturers & Distributors Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	702	-	380068 415550
228	Contemporary Trade Directory Entries Name: M S L Location: Gollinrod, Bury, Lancashire, BL9 5NB Classification: Laboratories Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	715	-	380091 415548
228	Contemporary Trade Directory Entries Name: Microbiological Solutions Ltd Location: Gollinrod, Bury, Lancashire, BL9 5NB Classification: Laboratories Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	715	-	380091 415548
229	Contemporary Trade Directory Entries Name: Ironing 4 You Location: 24, Strathmore Close, Ramsbottom, Bury, Lancashire, BL0 9YW Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	676	-	379169 415520
230	Contemporary Trade Directory Entries Name: Crane Safety Systems Location: Gollinrod Farm, Gollinrod, Bury, Lancashire, BL9 5NB Classification: Plant & Machinery Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	683	-	379994 415577
231	Contemporary Trade Directory Entries Name: Automotive Refinishing Supplies Ltd Location: 56, Chiltern Road, Ramsbottom, Bury, BL0 9LF Classification: Car Paint & Lacquer Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	790	-	379159 415653
231	Contemporary Trade Directory Entries Name: Platinum Blinds Location: 52, Chiltern Road, Ramsbottom, Bury, Lancashire, BL0 9LF Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	808	-	379154 415671
232	Contemporary Trade Directory Entries Name: John Kenyon & Sons Location: Wood Road Dairy Farms, Wood Road, Bury, BL9 5QA Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	822	-	379374 414151
233	Contemporary Trade Directory Entries Name: All Gleam Location: 17, Henwick Hall Avenue, Ramsbottom, Bury, BL0 9YH Classification: Oven cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	847	-	378980 415580
234	Contemporary Trade Directory Entries Name: Russell Cornwell Location: 88, Newcombe Road, Ramsbottom, Bury, Lancashire, BL0 9XD Classification: Energy Efficient Products and Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	904	-	378760 414576
235	Contemporary Trade Directory Entries Name: Ace Plumbing & Heating Location: 219, Whittingham Drive, Ramsbottom, Bury, BL0 9NY Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	933	-	379013 415724

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
236	Contemporary Trade Directory Entries Name: P S S Technologies Location: 158, SUMMERSEAT LANE, RAMSBOTTOM, BURY, BL0 9TT Classification: Heat Treatment - Metals Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	962	-	378630 414825
237	Points of Interest - Commercial Services Name: Sealand Boat Deliveries Location: Gollinrod, Walmersley, Bury, BL9 5NB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SW (NE)	683	7	379994 415577
238	Points of Interest - Commercial Services Name: Paul Hinchliffe Transport Ltd Location: 39 Astley Hall Drive, Ramsbottom, Bury, BL0 9DF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17NE (NW)	813	7	379117 415653
239	Points of Interest - Education and Health Name: The Priory Highbank Centre Location: The Priory Highbank Centre, Walmersley Road, Bury, BL9 5LX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A14SW (E)	476	7	380101 414846
239	Points of Interest - Education and Health Name: The Priory Highbank Centre Location: Walmersley House, Walmersley Road, Walmersley, Bury, BL9 5LX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A14SW (E)	484	7	380106 414837
240	Points of Interest - Manufacturing and Production Name: W D I Properties Ltd Location: 249 Bass Lane, Bury, BL9 5NS Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A13NE (E)	237	7	379876 415040
241	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (W)	607	7	379014 414738
241	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	A12SE (W)	607	7	379010 414750
241	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	A12SE (W)	607	7	379014 414738
241	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	A12SE (W)	608	7	379017 414726
241	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	A12SE (W)	638	7	378979 414744
242	Points of Interest - Manufacturing and Production Name: Tank Location: BL9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	675	7	380044 415534

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
243	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	A13NE (N)	79	7	379630 415071
243	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	A13NE (N)	80	7	379633 415072
243	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	A13NW (N)	83	7	379608 415072
243	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	A13NW (NW)	139	7	379520 415111
243	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	A13NW (NW)	141	7	379515 415110
244	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	A13NW (W)	269	7	379335 415080
244	Points of Interest - Public Infrastructure Name: Sluices Location: BL9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	271	7	379332 415079
245	Points of Interest - Public Infrastructure Name: Outfall Location: BL9 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	409	7	379345 414614
245	Points of Interest - Public Infrastructure Name: Outfall Location: BL9 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	415	7	379338 414612
246	Points of Interest - Public Infrastructure Name: Sewage Works Location: BL9 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	632	7	380114 415413
247	Points of Interest - Public Infrastructure Name: Outfall Location: BL9 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	655	7	378988 414674
247	Points of Interest - Public Infrastructure Name: Outfall Location: BL9 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	661	7	378982 414672

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
248	Points of Interest - Public Infrastructure Name: Slurry Bed Location: BL9 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	745	7	380144 414402
249	Points of Interest - Public Infrastructure Name: Slurry Bed Location: BL9 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	793	7	379385 414178
250	Points of Interest - Public Infrastructure Name: Sluice Location: BL0 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	849	7	379577 415839
250	Points of Interest - Public Infrastructure Name: Sluice Location: BL0 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	850	7	379573 415840
251	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	A9NE (SE)	959	7	380468 414473
252	Points of Interest - Public Infrastructure Name: Weir Location: BL0 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	982	7	378611 415092
253	Points of Interest - Recreational and Environmental Name: Playground Location: Vale Coppice, BL0 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13NW (NW)	360	7	379395 415294
253	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	A13NW (NW)	364	7	379402 415303
254	Points of Interest - Recreational and Environmental Name: Play Area Location: BL9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	509	7	379082 415044
254	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	549	7	379044 415060
254	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	565	7	379021 414983
254	Points of Interest - Recreational and Environmental Name: Play Area Location: Waterside Road, BL9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	565	7	379021 414983

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
255	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	647	7	378944 415052
256	Points of Interest - Recreational and Environmental Name: Playground Location: Marlborough Close, BL0 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A17SE (NW)	691	7	378988 415332
256	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	A17SE (NW)	701	7	378975 415330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
257	Ancient Woodland Name: Gollinrod Wood Reference: 1105582 Area(m ²): 105407.74 Type: Ancient and Semi-Natural Woodland	A13NW (N)	136	8	379601 415125
258	Ancient Woodland Name: Broad Hey Wood Reference: 1105579 Area(m ²): 113216.74 Type: Ancient and Semi-Natural Woodland	A12NE (NW)	690	8	378960 415276
259	Ancient Woodland Name: Nuttall Wood Reference: 1105581 Area(m ²): 17846.02 Type: Ancient and Semi-Natural Woodland	A18NE (N)	729	8	379688 415720
260	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)	0	5	379613 414969

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Rossendale Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Blackburn with Darwen Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department	June 2020 October 2017 October 2017 September 2017 September 2017 September 2017	Annually Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North West Region	April 2023	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	January 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control Blackburn with Darwen Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 May 2016	Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Blackburn with Darwen Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 May 2016	Not Applicable Not Applicable Annual Rolling Update Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Blackburn with Darwen Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 May 2016	Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	May 2023	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - North West Region	March 2013	
Registered Radioactive Substances Environment Agency - North West Region	June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
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	April 2023 April 2023 April 2023	Quarterly Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
Water Abstractions Environment Agency - North West Region	April 2023	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	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2023	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	April 2023	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

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	March 2023	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	January 2023 January 2023 January 2023	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	January 2023 January 2023 January 2023 January 2023	Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Lancashire County Council - Waste Management Group Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Lancashire County Council - Waste Management Group Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	October 2018 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	March 2023	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 Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	April 2023 February 2016 February 2016 February 2016 May 2023 May 2023	Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Lancashire County Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2016 February 2016 February 2016 February 2016 February 2016 February 2016	Variable 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	June 2023	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	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	April 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	June 2023	Quarterly
Points of Interest - Education and Health PointX	June 2023	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2023	Quarterly
Points of Interest - Public Infrastructure PointX	June 2023	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2023	Quarterly
Underground Electrical Cables National Grid	February 2023	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2023	Bi-Annually
Areas of Adopted Green Belt Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	July 2022 July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	July 2022 July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	April 2023	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	March 2023	Bi-Annually
Marine Nature Reserves Natural England	April 2023	Bi-Annually
National Nature Reserves Natural England	February 2023	Bi-Annually
National Parks Natural England	February 2018	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 March 2023	Bi-Annually
Ramsar Sites Natural England	March 2023	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2023	Bi-Annually
Special Areas of Conservation Natural England	April 2023	Bi-Annually
Special Protection Areas Natural England	April 2023	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	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	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
6	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
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	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 Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WMGR	Infilled Ground	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
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Diamicton	Not Supplied - Quaternary
	RTD2	River Terrace Deposits, 2	Sand and Gravel	Not Supplied - Quaternary
	PEAT	Peat	Peat	Not Supplied - Quaternary
	LDE	Lacustrine Deposits	Clay	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
	MLRS	Milnrow Sandstone	Sandstone	Not Supplied - Westphalian
	OL	Old Lawrence Rock	Sandstone	Not Supplied - Westphalian
	GNR	Ganister Rock	Sandstone	Not Supplied - Westphalian
	GAS	Great Arc Sandstone	Sandstone	Not Supplied - Westphalian
	HER	Helpet Edge Rock	Sandstone	Not Supplied - Westphalian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	PLCM	Pennine Lower Coal Measures Formation	Sandstone	Not Supplied - Westphalian
	ROSSE	Rossendale Formation	Mudstone and Siltstone	Not Supplied - Namurian
	LH	Lower Haslingden Flags	Sandstone	Not Supplied - Namurian
	RR	Rough Rock	Sandstone	Not Supplied - Namurian
	UH	Upper Haslingden Flags	Sandstone	Not Supplied - Namurian
	BBS	Brooksbottoms Grit	Sandstone	Not Supplied - Namurian
	MARSD	Marsden Formation	Mudstone and Siltstone	Not Supplied - Namurian
	HLBG	Holcombe Brook Grit	Sandstone	Not Supplied - Namurian
	GSYG	Guisley Grit	Sandstone	Not Supplied - Namurian
	FLB	FLETCHER BANK GRIT	Sandstone	Not Supplied - Namurian
	HSG	Helmshore Grit	Sandstone	Not Supplied - Namurian
		Faults		
		Rock Segments		



Geology 1:50,000 Maps

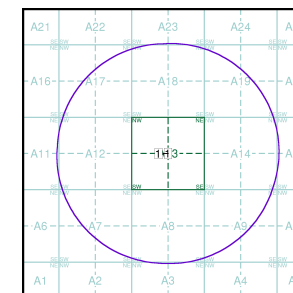
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	076
Map Name:	Rochdale
Map Date:	2008
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

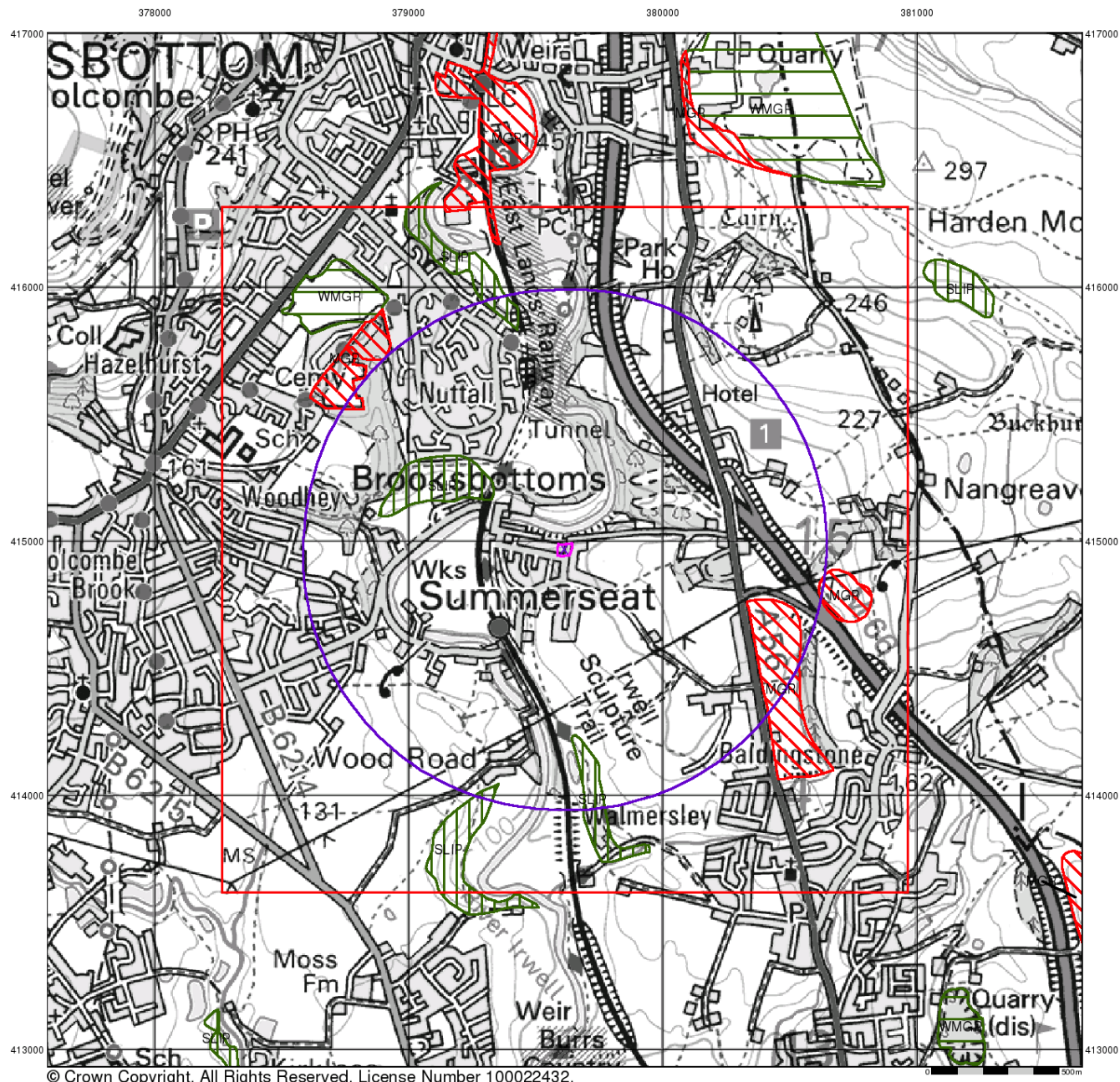


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National Grid Reference:	379610, 414970
Slice:	A
Site Area (Ha):	0.25
Search Buffer (m):	1000

Site Details:

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Artificial Ground and Landslip

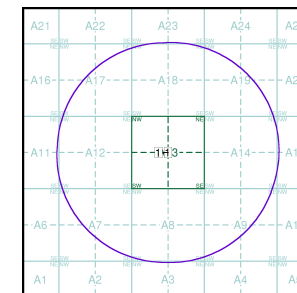
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



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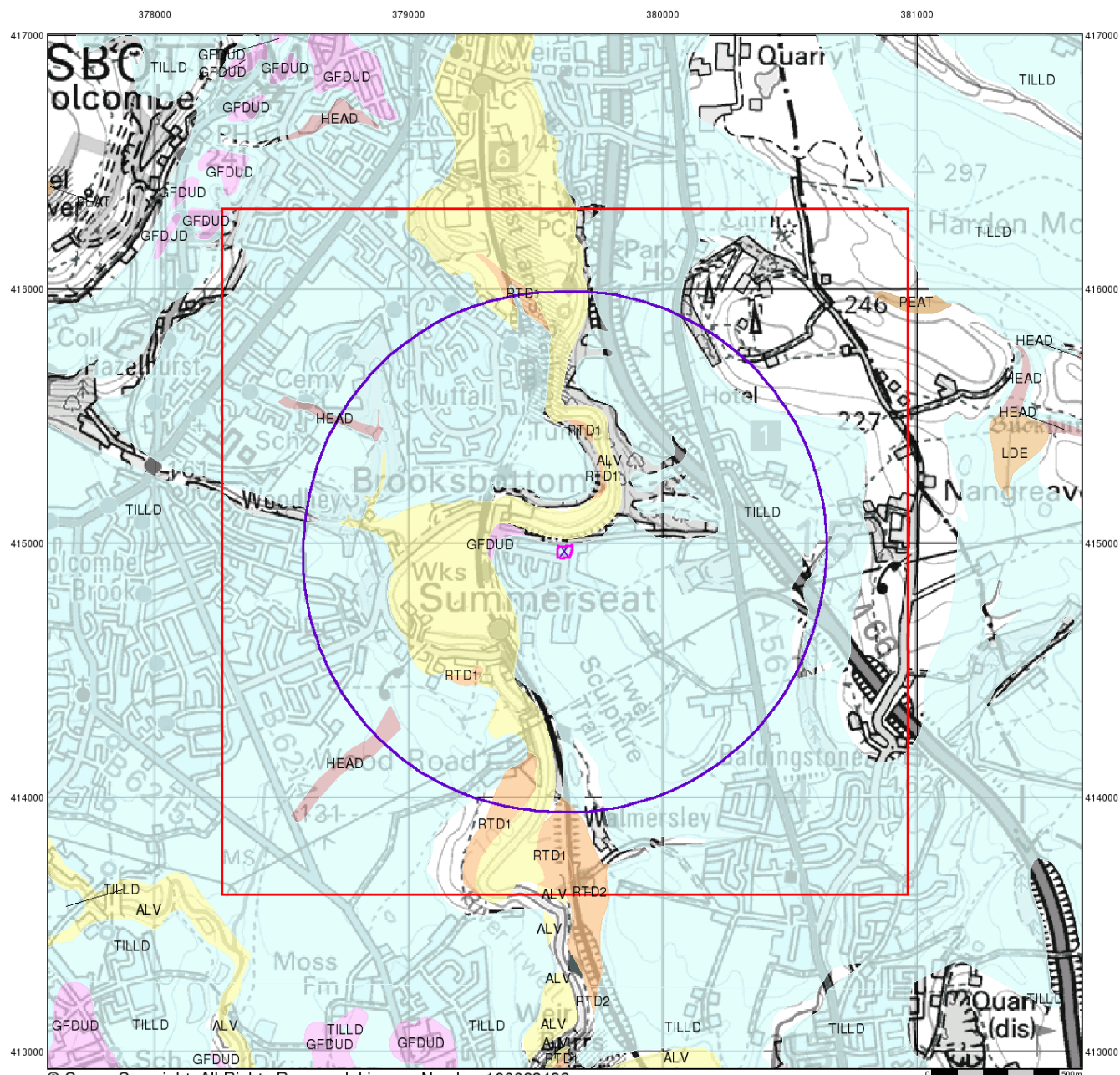
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 Customer Reference: LKC 23 1294
 National Grid Reference: 379610, 414970
 Slice: A
 Site Area (Ha): 0.25
 Search Buffer (m): 1000

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Tel: 0844 844 9952
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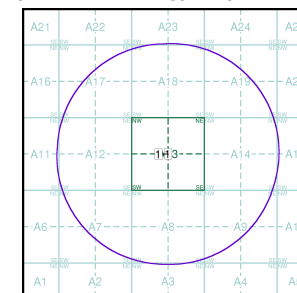
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



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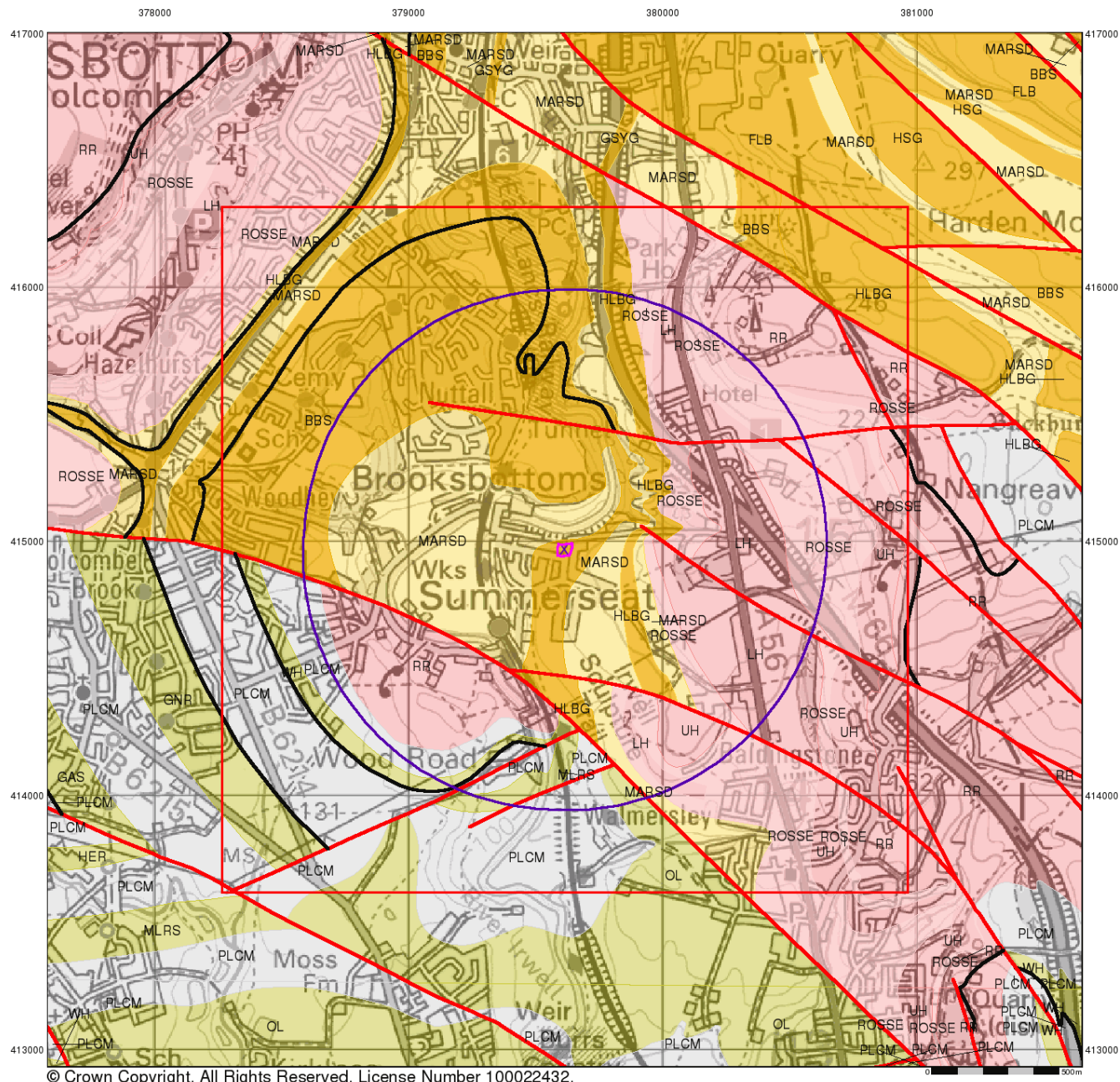
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National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

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Bedrock and Faults

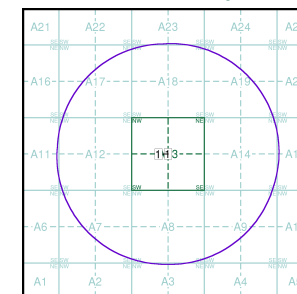
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



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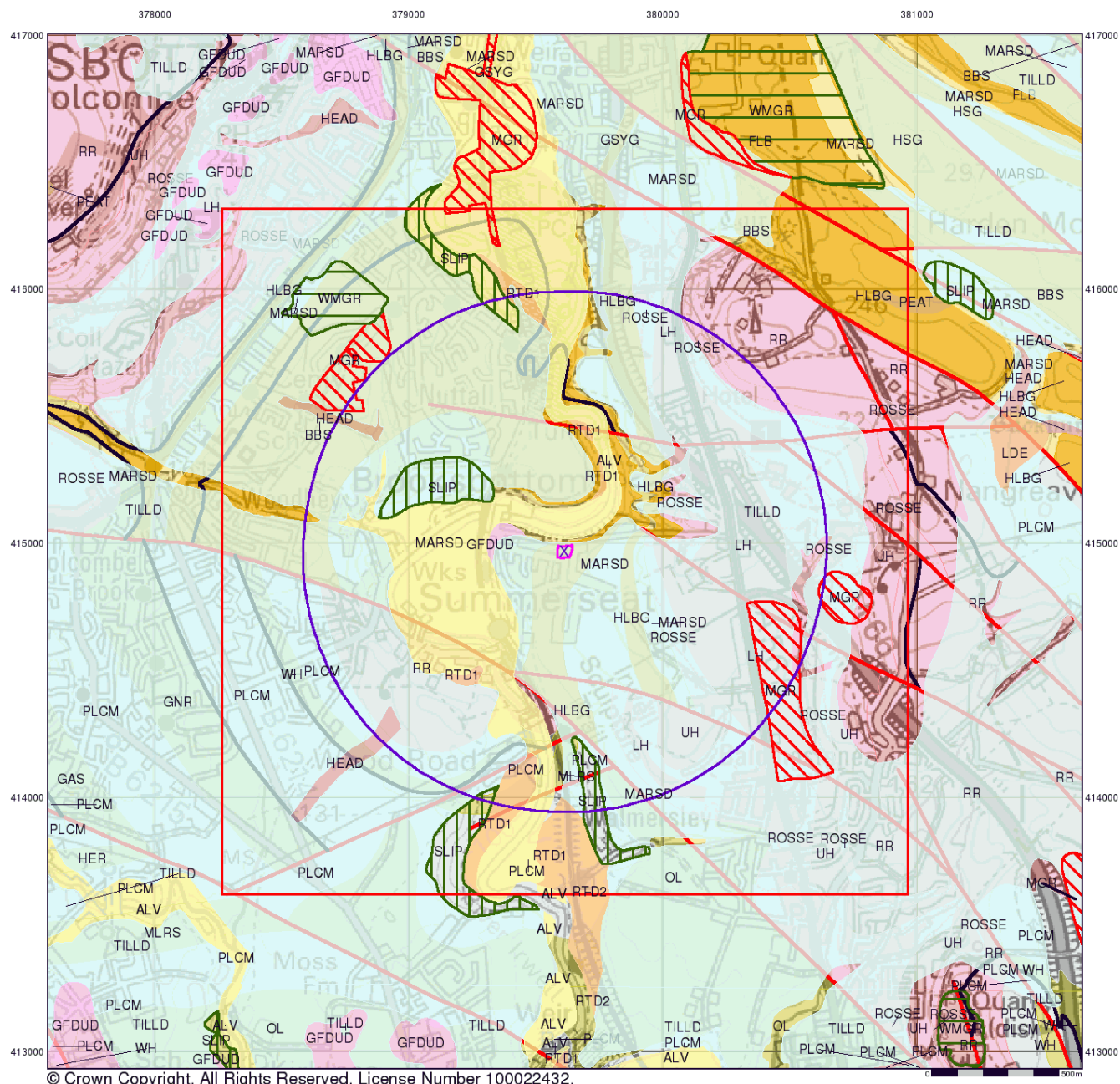
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 Customer Reference: LKC 23 1294
 National Grid Reference: 379610, 414970
 Slice: A
 Site Area (Ha): 0.25
 Search Buffer (m): 1000

Site Details:

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Combined Surface Geology

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

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

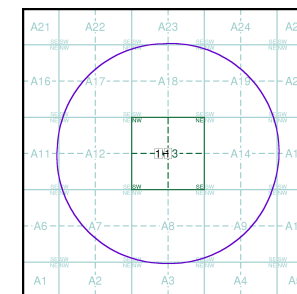
Additional Information

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

Contact

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

Combined Geology Map - Slice A



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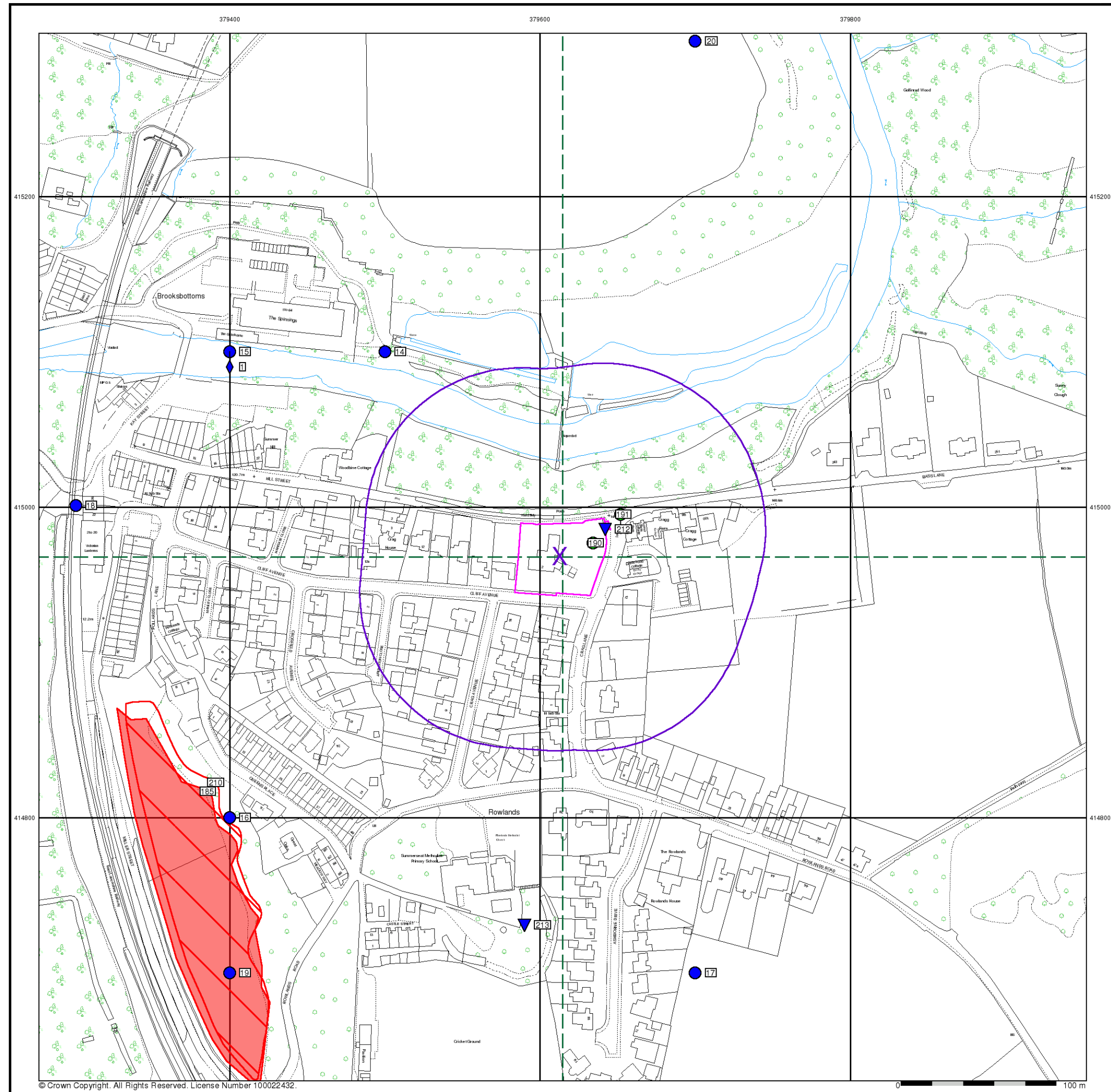
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Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

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General

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

Agency and Hydrological

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

Waste

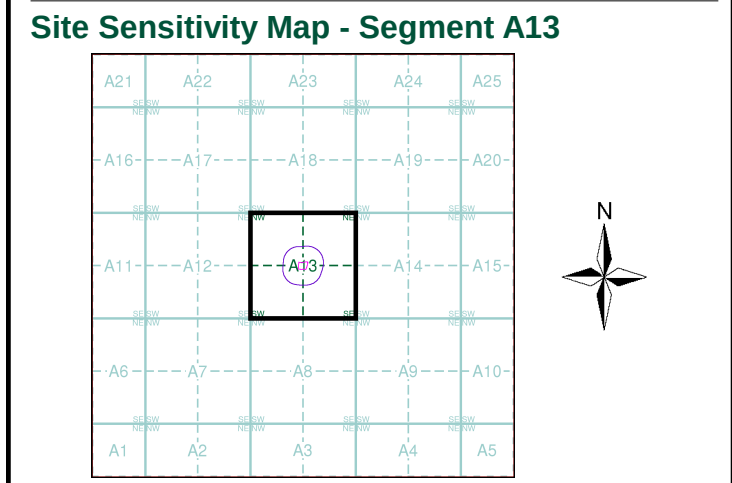
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (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

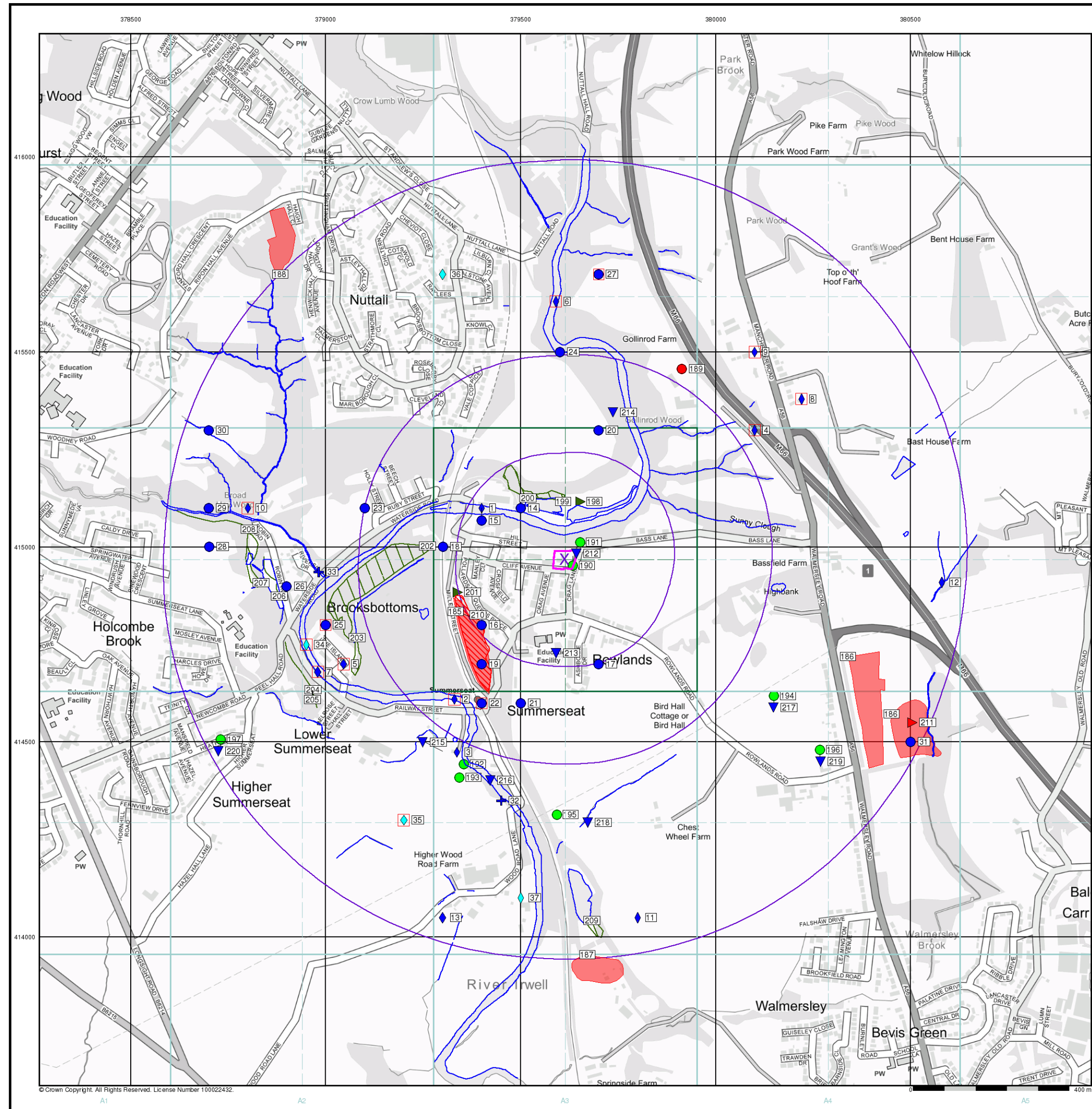


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Plot Buffer (m): 100

Site Details

2, Cliff Avenue, Bury, BL9 5NT

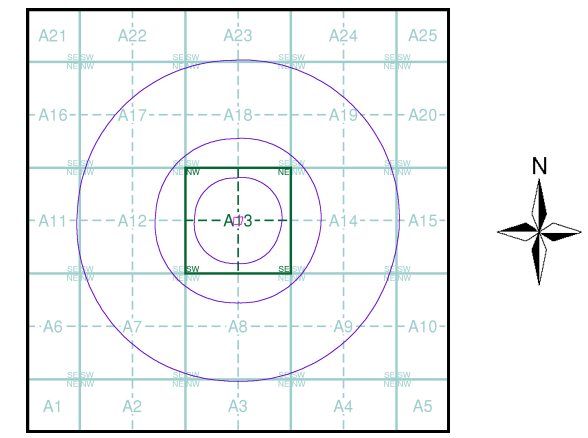


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- General**
 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- 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)
 - 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

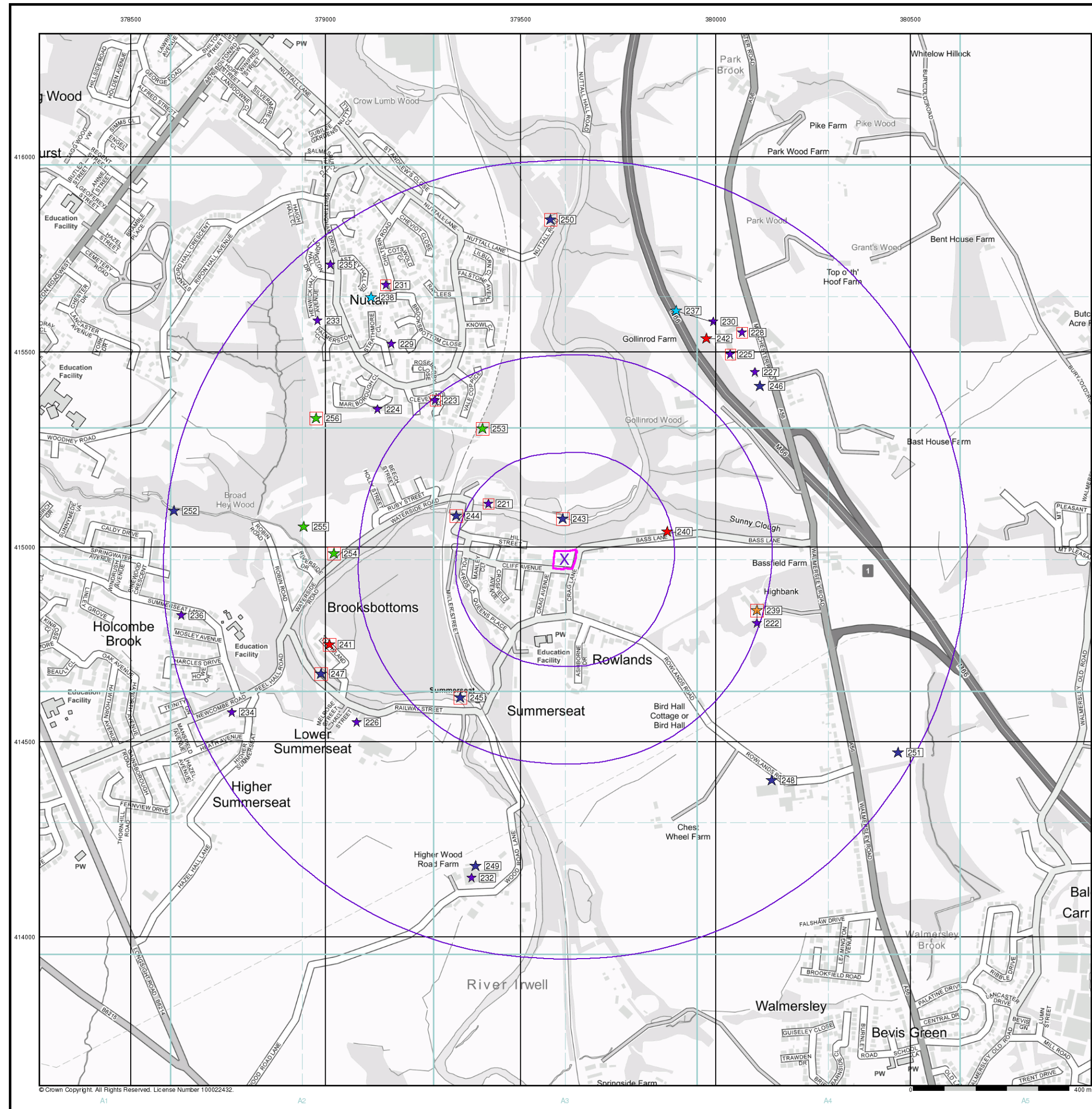
Site Sensitivity Map - Slice A



Order Details
Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details
2, Cliff Avenue, Bury, BL9 5NT

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



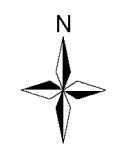
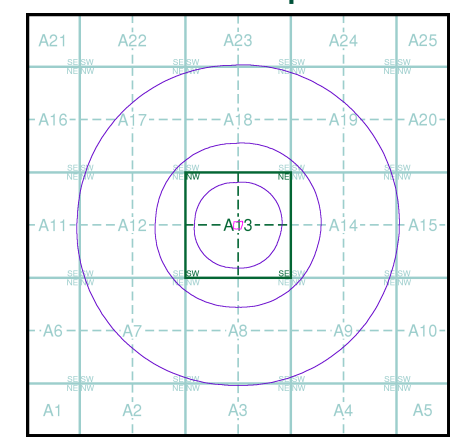
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LK GROUP

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
 - Gas Pipeline
 - 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

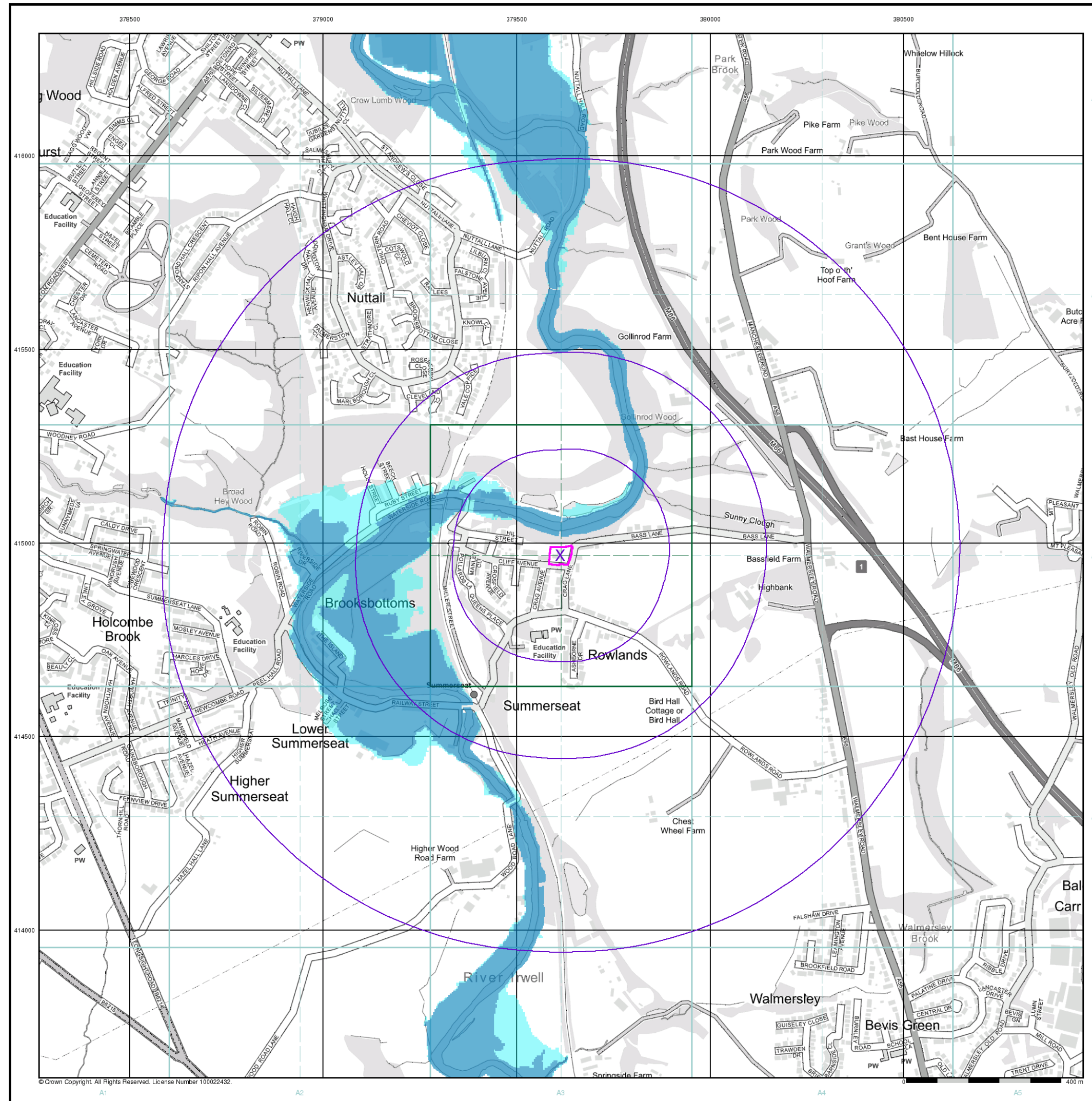
Industrial Land Use Map - Slice A



Order Details

Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details
2, Cliff Avenue, Bury, BL9 5NT



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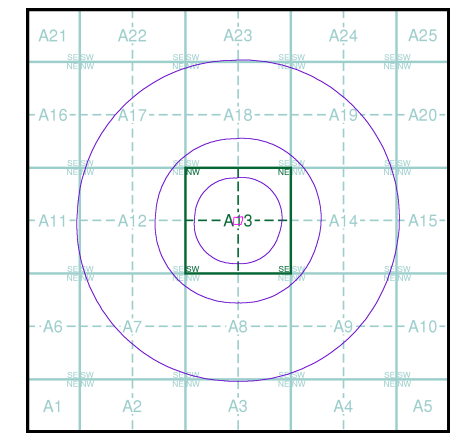
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

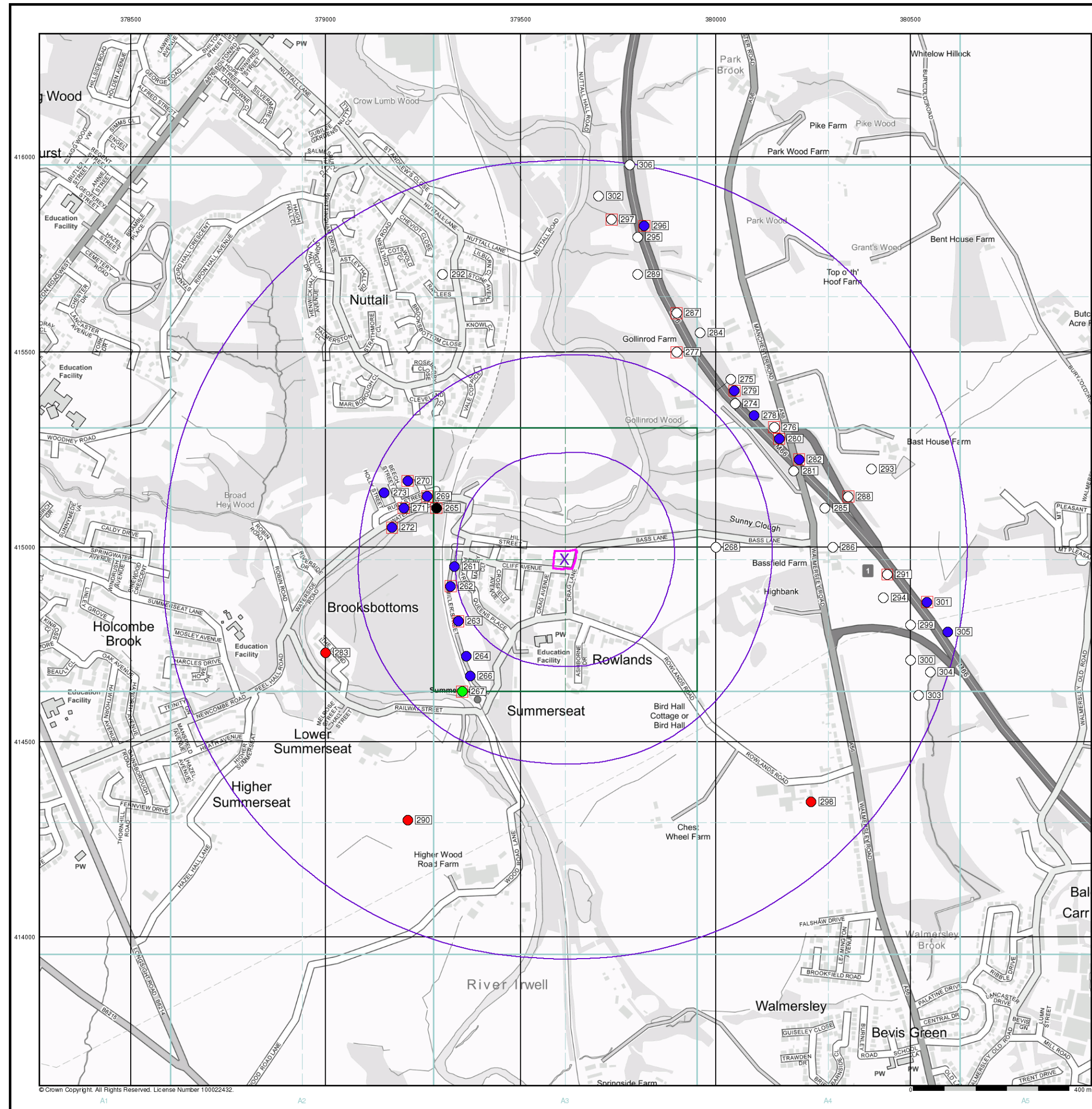
Order Number: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

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



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General

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

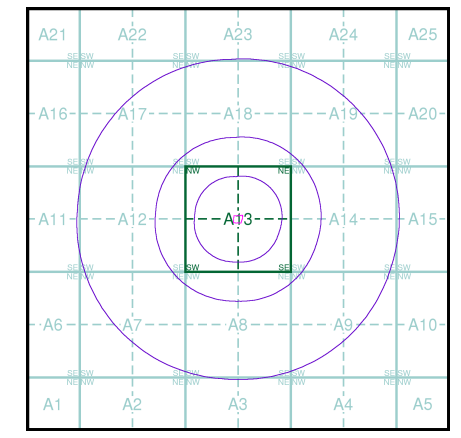
Agency and Hydrological (Boreholes)

- 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

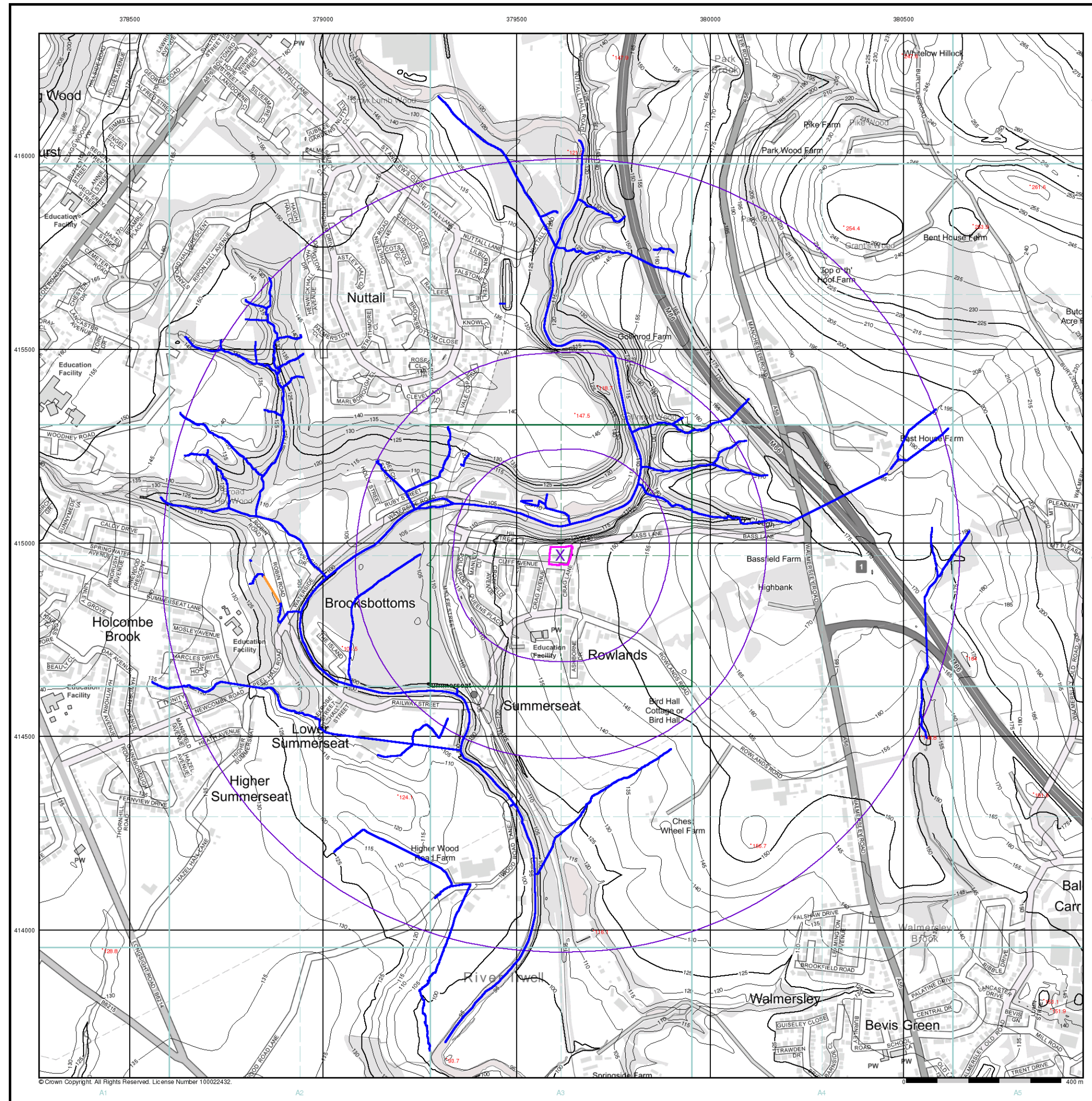
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Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

2, Cliff Avenue, Bury, BL9 5NT



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

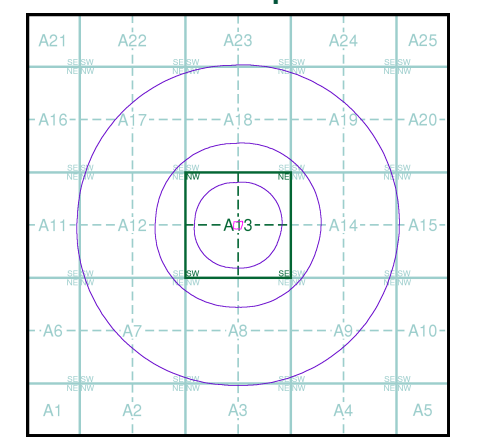


- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point

- 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, 100, 95
- Master Contour: 105, 100, 95
- Spot Height: 167.3
- MLW: Mean Low Water
- MHW: Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number: 314556966_1_1

Customer Ref: LKC 23 1294

National Grid Reference: 379610, 414970

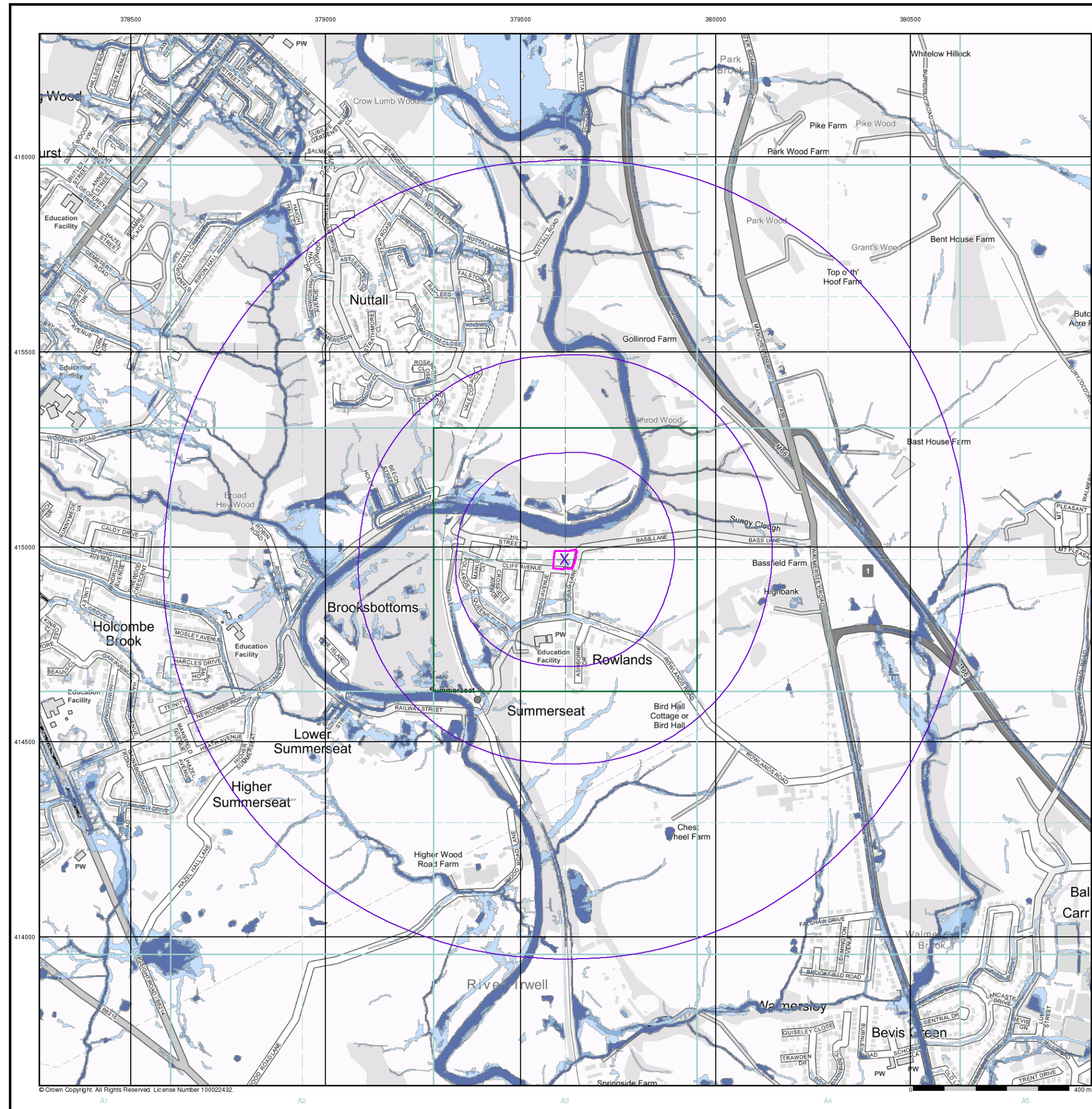
Slice: A

Site Area (Ha): 0.25

Search Buffer (m): 1000

Site Details

2, Cliff Avenue, Bury, BL9 5NT



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General

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

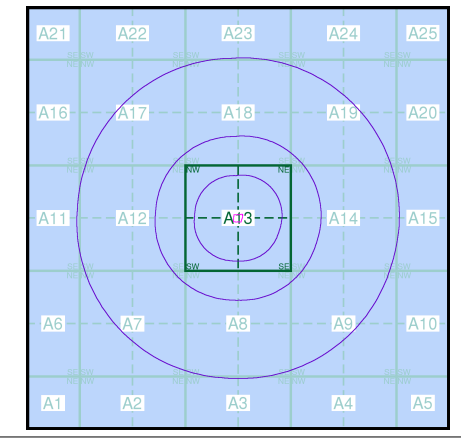
Risk of Flooding from Surface Water

- 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

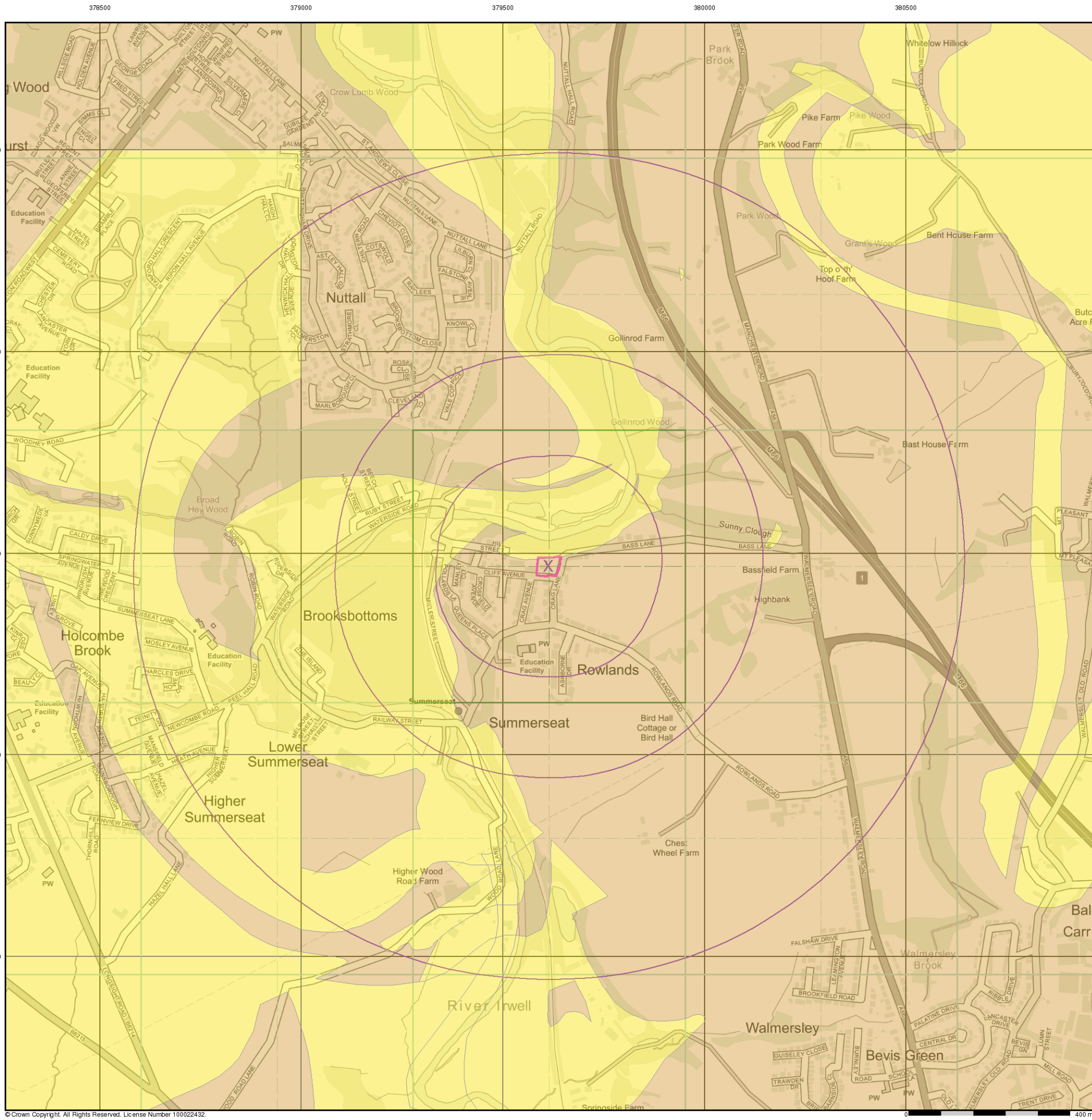
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National Grid Reference: 379610, 414970
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Site Area (Ha): 0.25
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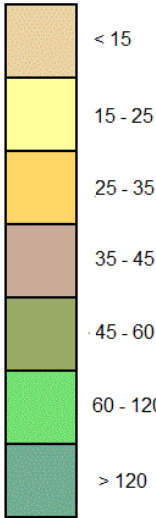


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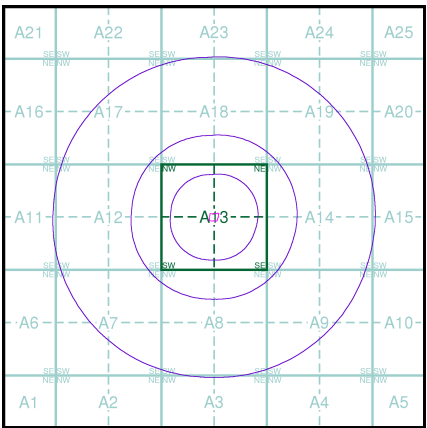
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

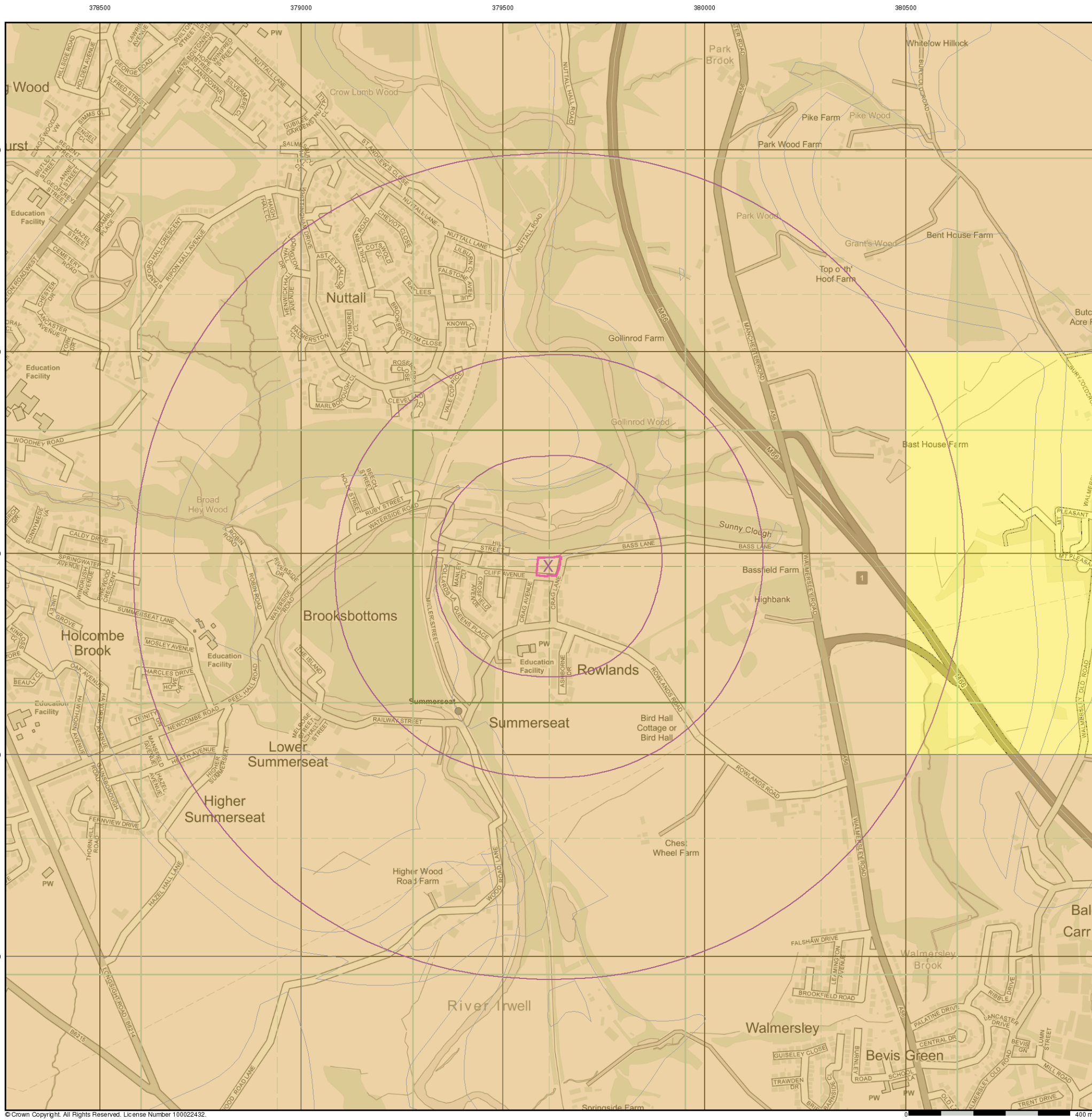
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National Grid Reference: 379610, 414970
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Site Area (Ha): 0.25
Search Buffer (m): 1000

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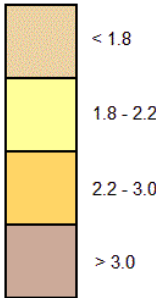


General

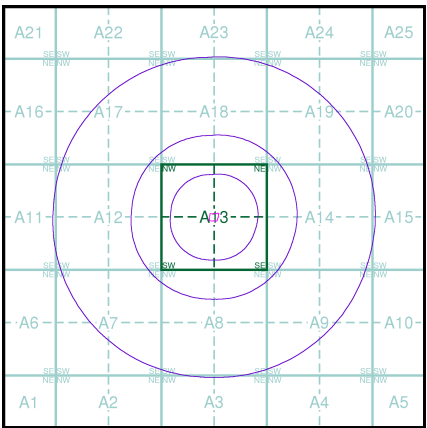
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

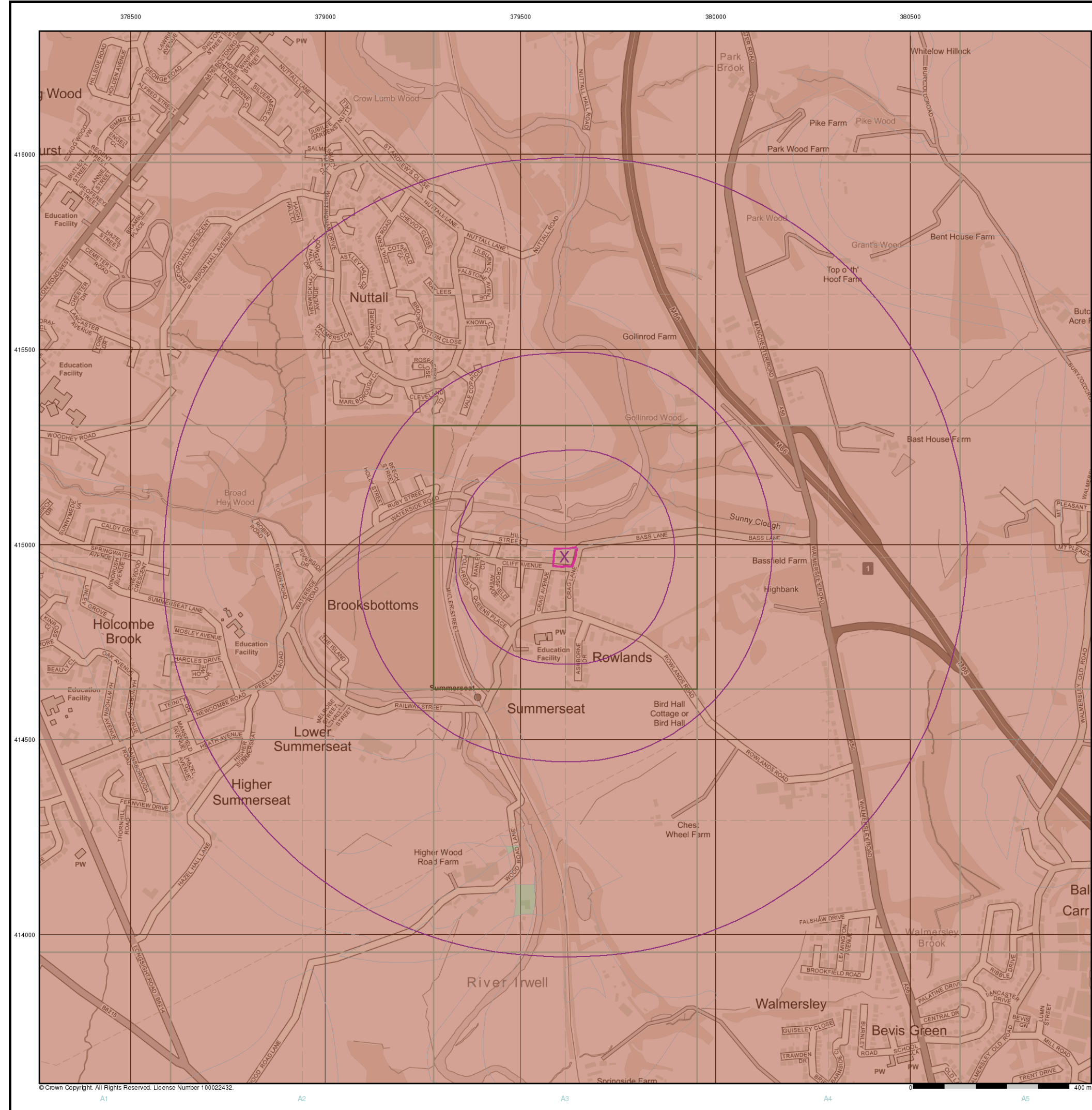
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Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

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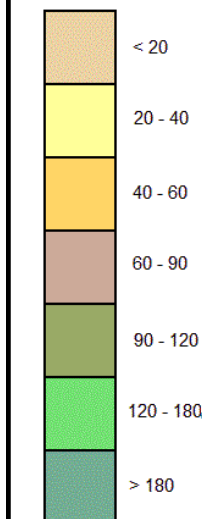


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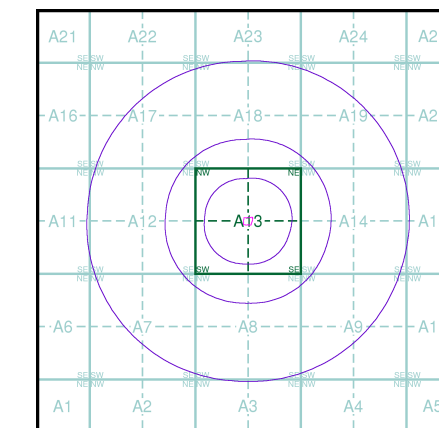
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

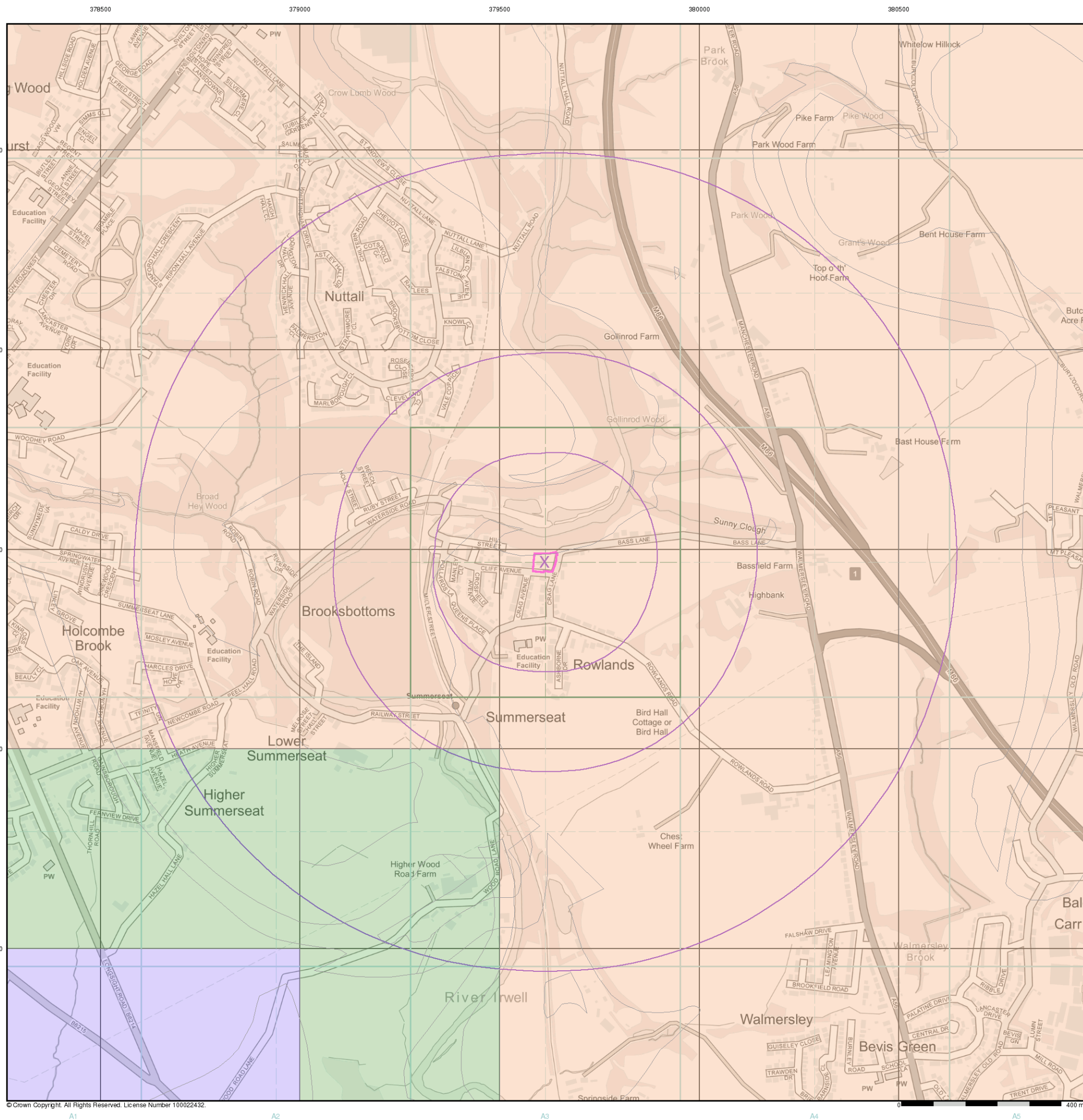
Order Details: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

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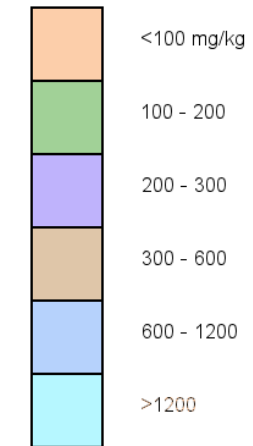


General

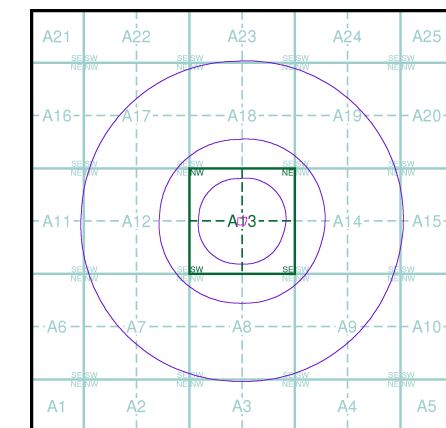
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

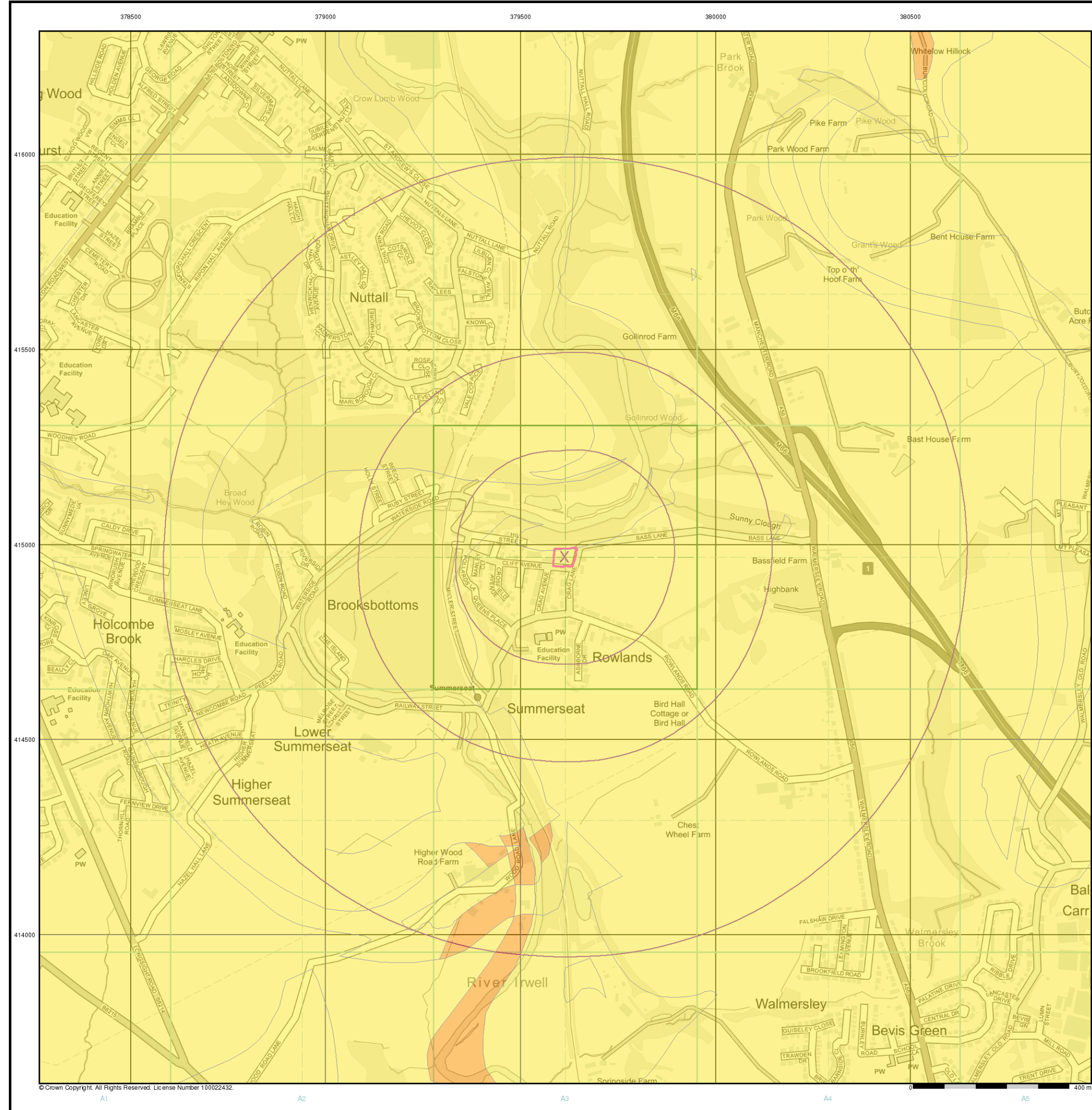
Order Details: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
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Site Area (Ha): 0.25
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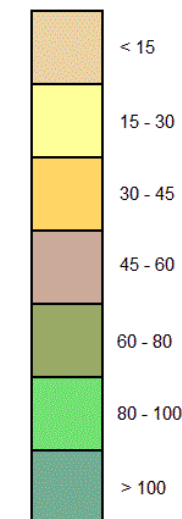


General

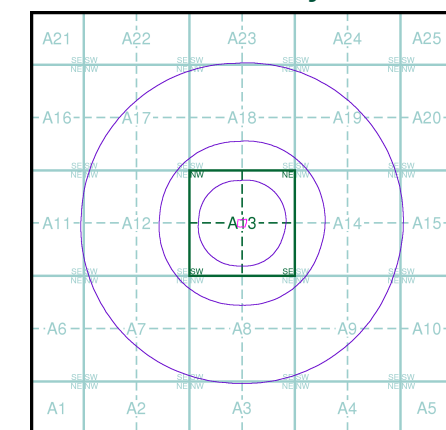
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 314556966_1_1
Customer Ref: LKC 23 1294
National Grid Reference: 379610, 414970
Slice: A
Site Area (Ha): 0.25
Search Buffer (m): 1000

Site Details

2, Cliff Avenue, Bury, BL9 5NT



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

Appendix C

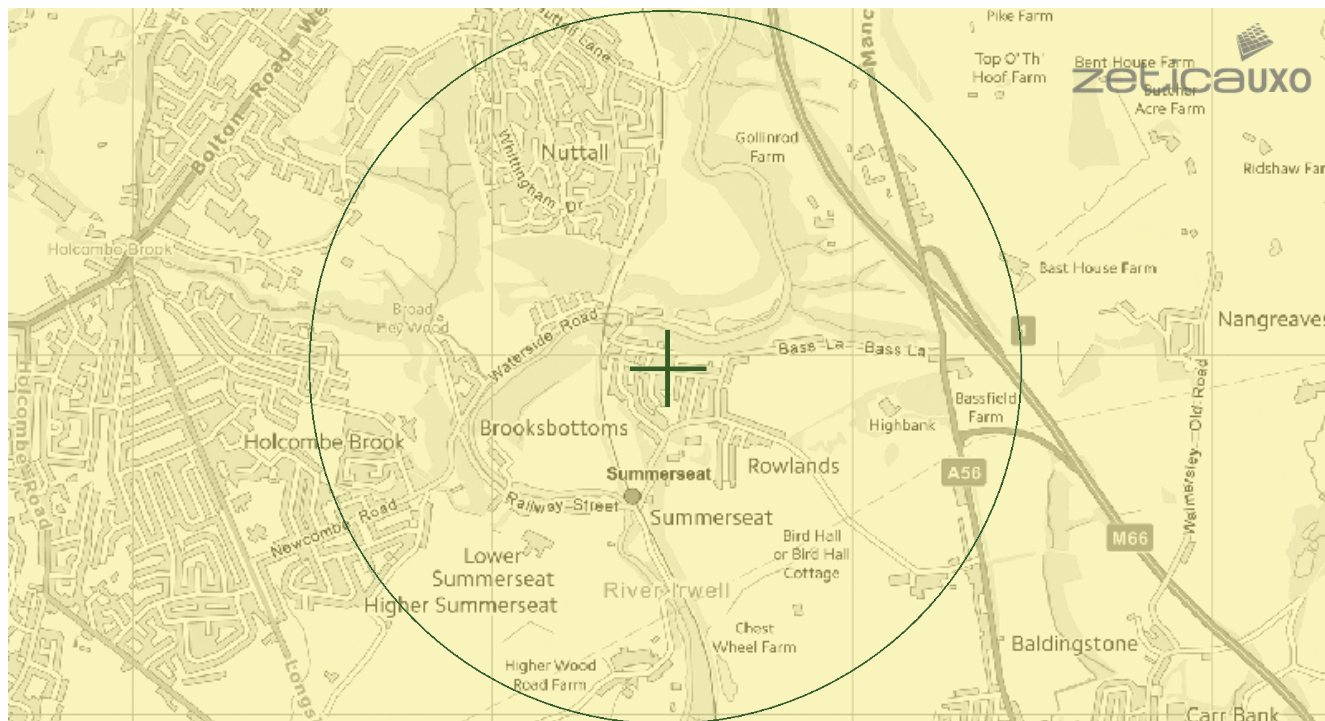
Zetica UXO Unexploded Bomb Risk Map

UNEXPLODED BOMB RISK MAP



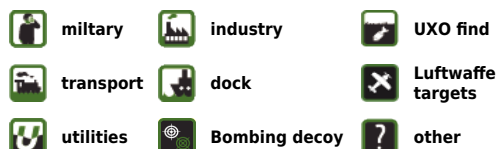
SITE LOCATION

Location: BL9 5NT,
Map Centre: 379493,414967



LEGEND

- **High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- **Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- **Low:** Areas indicated as having 15 bombs per 1000acre or less.



How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment* is necessary.

What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

If I have any questions, who do I contact?

tel: **+44 (0) 1993 886682**

email: **uxo@zetica.com**

web: **www.zeticauxo.com**

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: (<https://zeticauxo.com/downloads-and-resources/risk-maps/>)

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

Appendix D

Risk Evaluation

Risk Evaluation

The method for risk evaluation is a qualitative method of interpreting the output from the risk estimation stage of the assessment, based on CIRIA 552¹⁴. It involves the classification of the:

- Magnitude of the potential consequence (severity) of the risk occurring (Table A).
- Magnitude of the probability (likelihood) of the risk occurring (Table B).

Consequence (Severity)		
Classification	Definition	Example
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 (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource. - Catastrophic damage to buildings/properties. - A short term risk to a particular ecosystem, or organism forming part of such ecosystem (note: the definition of ecological systems within the Draft Circular on Contaminated Land, DETR, 2000).	- High concentrations of cyanide on the surface of an informal recreation area. - Major spillage of contaminants from site into controlled waters. - Explosion, causing building collapse (can also equate to short term human health risk if buildings are occupied).
Medium	- Chronic damage to Human Health ('significant harm' as defined in DETR, 2000). - Pollution of sensitive water resources (note Water Resources Act contains no scope for considering significance of pollution). - A significant change in a particular ecosystem, or organism forming part of such ecosystem.	- Concentrations of a contaminant from site exceed generic, or site specific assessment criteria. - Leaching of contaminants from a site to a major or minor aquifer (Principal and Secondary). - Death of a species within a designated nature reserve.
Mild	- Pollution of non-sensitive water resources. - Significant damage to crops, buildings, structures and services ('significant harm' as defined in DETR, 2000). - Damage to sensitive buildings / structures / services or the environment.	- Pollution of non-classified groundwater. - 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 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.

Table A: Classification of consequence.

Probability (Likelihood)	
Classification	Definition
High likelihood	- There is a pollutant 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 pollutant 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 likely over the long term.
Low likelihood	- There is a pollutant 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 pollutant linkage but circumstances are such that it is improbable that an event would occur in the very long term.

Table B: Classification of probability.

¹⁴ CIRIA (2001). "Contaminated Land Risk Assessment: A Guide to Good Practice". C552.

These classifications are then compared to indicate the risk presented by each pollutant linkage (Table C). It is important that this classification is only applied where there is a possibility (which can range from high likelihood to unlikely) of a pollutant linkage existing.

		Consequence			
		Severe	Medium	Mild	Minor
Probability	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

Table C: Comparison of consequence against probability.

Once the risk has been determined the corresponding action can be assessed (Table D).

Risk	Action Required
Very High Risk	- There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening. - This risk, if realised, is likely to result in a substantial liability. - Urgent investigation (if not already undertaken) and remediation are likely to be required.
High Risk	- Harm is likely to arise to a designated receptor from an identified hazard. - Realisation of the risk is likely to present a substantial liability. - Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the longer term.
Moderate Risk	- It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. - Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
Low Risk	- It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
Very Low Risk	- There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.

Table D: Description of the classification and likely action required.

Where LKC identified a low to very low risk either limited intrusive investigation work, a watching brief (during construction work) or no investigation work will be recommended. This will be dependent on the nature of the site and the proposed development.

Where the risk falls into the moderate/low risk, LKC will undertake an assessment to establish what category the pollutant linkage will fall into (i.e. moderate or low risk will be chosen).

Where LKC identifies a moderate or higher risk intrusive work or precautionary remedial measures will be recommended.

Based across the UK with offices in
Manchester, London,
Liverpool, Swindon and Glasgow.

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e: info@thelkgroup.com



- » Geotechnical
- » Contaminated Land
- » Flood Risk and Drainage
- » Asbestos
- » Invasive Species
- » Land Remediation
- » Project Management
- » Land Drilling