

Titus Cottage

Phase 1 Preliminary Risk Assessment

Job Number: LKC 241306

Date: Sep 2024

Client: Chris Halliwell



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DOCUMENT QUALITY ASSURANCE

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Job Number	LKC 24 1306
Client	Chris Halliwell

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Written By	Holly Williamson		
Approved By	Rosie Cummings		

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1. Introduction

LK Consult Ltd (LKC) has been commissioned to carry out a Phase 1 Preliminary Risk Assessment (PRA) for Titus Cottage.

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.

A summary of the site details is presented in Table 1-1. Figure 1 indicates the site location and boundary plan. Figure 2 indicates the proposed development.

Location	Agricultural fields border the northern, eastern and southern boundaries of the site. Bradley Fold Road is to the west of site. Centred at National Grid Reference 376340E 409570N.
Area	70m ² .
Topography	153 metres above ordnance datum (AOD). Site is approximately level.
Current Site Use	Site is vacant, except for a stone wall slightly protruding into the site from the north boundary, and an abandoned horse box on the western edge of the site.
Proposed Development	Residential extension to existing Titus farm.

Table 1-1: Summary of site details.

2. Historical Review

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

Table 2-1 summarises features on site. Table 2-2 summarises potentially contaminative land uses within approximately 50m and potentially infilled features within approximate 250m.

Site Features	Location on Site	Dates Present		Comments
		From	To	
Titus Cottage	W	1850	1965	Cottage is situated in the western half of the site.
Vacant Field	Whole site	1975	2024	Trees present in the west of the site. Rest of site vacant field. In 2024 mapping east labelled 'Titus's'. Between 1975-2024 the Titus cottage building encroaches onto site in the south.

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

Surrounding Area Features	Distance (m)	Direction	Dates Present		Comments
			From	To	
Sandstone Quarry	15	W	1850	1850	Shown on 1850 mapping only.
Plane Trees Farm	20	SW	1850	2024	
Pond	90	SW	1893	1911	
Pond	160	NE	1893	1955	
Pond	35	SW	1910	1911	
Stream	160	NE	1910	2024	
Stream	135	S	1955	2024	

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

The 1911 mapping showing the site with 2no. ponds present in the south-west is shown on Plate 2-1.

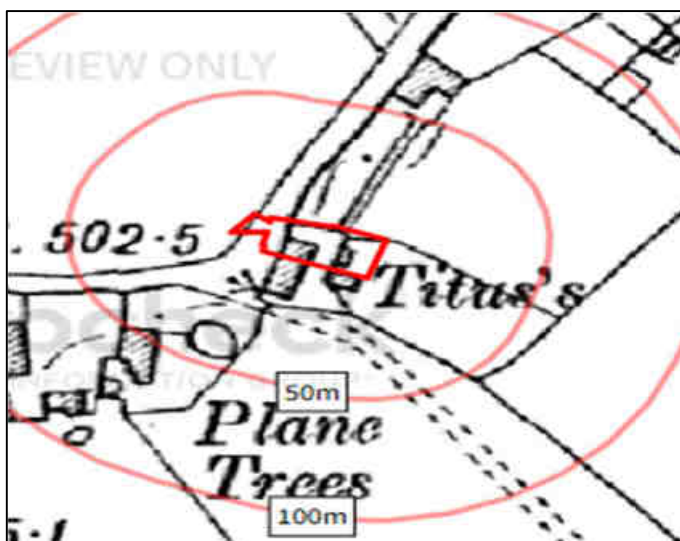


Plate 2-1: Extract from 1911 mapping.

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, 3}	Artificial Ground	No BGS recorded artificial ground.
	Superficial Deposits	No BGS recorded superficial deposits.
	Bedrock	Cannel Rock (South Lancashire) – Sandstone.
	BGS Logs (100m)	None.
Hydro-geology ¹	Aquifer Designation	Superficial Bedrock
		N/A. Secondary A Aquifer.
	Source Protection Zone (SPZ)	Site not within an SPZ.
	Groundwater Abstractions (100m)	None.
Hydrology ¹	Surface Watercourses (100m)	Pond 90m SW between 1893-1911 Pond 35m SW between 1910-1911
	Flooding Risk ^{1, 4}	Flood Zone 1.
	Surface Water Abstractions (100m)	None.
	Discharge Consents (onsite)	Consent to discharge sewage – final/treated effluent to freshwater stream (unknown receiving water) from Titus House.
	Pollution Incidents (onsite)	None.
Minerals & Mining ^{1,5}	Coal Mining	Within a Coal Reporting Area. Not within a Development High Risk Area.
	Surface Mineral Extractions (250m)	72m W – Plane Trees, Commodity: Sandstone, Status: Ceased
	Non-Coal Mining Area	No hazard.
Ground Stability ¹	Collapsible Ground	Very low hazard.
	Compressible Ground	No hazard.
	Ground Dissolution	No hazard.
	Landslide	Very low hazard.
	Running Sand	No hazard.
	Shrinking / Swelling Clay	No hazard.
Landfill Sites (250m) ¹	Known / Registered	None.
	Potentially Infilled Land (non-water and water), based on Envirocheck Report	3no. features: 62m W, 42m SW, 172m NE
	Potentially Infilled Sites, based on LKC historical review	5no. features: See Table 2-1 and Table 2-2.
Radon Potential ¹		<1% 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 0m W.
Contemporary Trade Directory (50m) ¹		8m N, Laundries & Laundrette (inactive).
Fuel Station Entries (50m) ¹		None.
Unexploded Ordnance Risk (UXO) – Zetica Risk Map	Zetica Risk Map ⁷	Bomb Risk: Low. Strategic Targets: None identified within 100m.

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 onsite only.

Data Sources:

1 Envirocheck Report (Appendix A & B).

- 2** BGS Sheet 76 1:50,000
- 3** <http://mapapps2.bgs.ac.uk/geoindex/home.html>
- 4** <https://flood-map-for-planning.service.gov.uk/location>
- 5** The Coal Authority Web Mapping Services (WMS) /
<http://coal.decc.gov.uk/en/coal/cms/publications/data/map/map.aspx>.
- 7** Zetica UXO Unexploded Bomb Risk Map (Appendix C).

4. Site Reconnaissance

A site reconnaissance was carried out on 13th August 2024. Hand dug trial holes were undertaken in accessible areas to confirm the shallow ground conditions.

Relevant features identified on site are summarised below:

- The site is predominantly grassed, with a few patches of hardstood ground along the southern edge.
- Site is vacant, with the exception of a stone wall protruding slightly into the site from the north boundary, and an abandoned horse box on the western edge of the site.
- Site is approximately level.
- Site is accessible via Bradley Fold Road. Gate is usually locked, but can be unlocked with prior notice by residents of Titus Cottage.
- Patches of demolition rubble are present in patches along the south of the site. Scrap metal has been partially overgrown in the eastern half of the site.
- No evidence of contamination identified.

The surrounding area comprises:

- A residential new build to the north.
- Grassed land to the east.
- Titus Cottage to the south.
- Bradley Fold Road to the west.

Hand dug pits were carried out in 3no. locations and are summarised in Table 4-1.

HD101	HD102	HD103
0.00-0.15m Made ground (silty gravelly sand with frequent rootlets). 0.15-0.20m Densely packed gravel.	0.00-0.15m Made ground (silty gravelly sand with frequent rootlets) 0.15-0.25m Made ground (gravelly sand with frequent brick fragments and occasional clinker).	0.00-0.20m Made ground (silty gravelly sand with frequent rootlets) 0.20-0.50m Orangish brown gravelly sandy silt.

Table 4-1: Hand dug pit logs.

Site photographs are provided in Table 4-2.

	
Photograph 1: View of site entrance facing E.	Photograph 2: Exposed hardstood ground on S edge of site.

	
Photograph 3: Demolition rubble on site.	Photograph 4: HD103

Table 4-2: Site photographs.

Site features are also shown on Plate 4-1.



Plate 4-1: Plan showing relevant site features.

5. Preliminary Conceptual 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	
Shallow made ground below some or all of site (e.g., site levelling)	Assuming predominantly reworked natural soils with possible demolition rubble, ash and clinker: asbestos, heavy metals, sulphates, PAHs ⁴ . Ash / clinker noted in the site reconnaissance. Not expected to be a significant source of gas given anticipated depth and nature of made ground.
Demolished buildings	Asbestos containing material (ACM).
Surrounding Area	
Sandstone Quarry	Given age of features, there is not considered to be a source of hazardous gas (principally carbon dioxide and methane).
3no. infilled ponds	Given size, distance and age of features, there is not considered to be a significant source of hazardous gas.
Agricultural fields, pastoral (sheep, dairy)	No significant contamination source anticipated within the fields.
Underlying Geology	
Radon Affected Area	<1% of homes above Action Level. No protective measures are necessary in the construction of new dwellings or extensions. No further consideration required.
Superficial / Bedrock	Cannel Rock (South Lancashire) – sandstone. No significant contamination sources identified.

Table 5-1: Potential contamination sources.

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	2no streams; 160m northeast and 135m south. Secondary A Bedrock Aquifer
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 ⁵ (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.
Soil	Windblown dust and fibres to adjacent receptors.	
Soil	Direct contact with receptors (services).	
Groundwater	Infiltration into the ground, through potentially contaminated material (contamination possibly going into solution).	
Groundwater and gas	Migration through potentially permeable strata and preferential pathways. No superficial deposits recorded. Direct pathway to bedrock. 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 Model is illustrated in Table 5-4.

Generic potential pollutant linkages are described along with an assessment of the risk based upon guidance on probabilities and consequences outlined in CIRIA C552⁶.

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 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.

The probability is based on the site history, site reconnaissance, environmental setting, pathways, and receptors.

Reasonable worst-case consequence has been assumed at this stage.

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 further work will be required.

Where LKC identifies a moderate or higher risk, intrusive investigation work or precautionary remediation is recommended.

Recommendations are discussed further in Section 7.

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 guidance⁷) should be adopted by all workers involved with site enabling and construction works. Therefore, this receptor is not considered in the contamination conceptual model.

PL	Contaminants of Concern (source)	Pathway	Receptor	Probability	Consequence	Risk
1	Asbestos, heavy metals, PAHs (made ground, demolished buildings)	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.	Low Likelihood	Medium	Moderate / Low
2	Volatile hydrocarbons.	Inhalation of vapours. Migration via permeable strata and preferential pathways.	Future site users. Offsite receptors.	Unlikely	Medium	Low
3	Hazardous / ground gas: methane, carbon dioxide (made ground, sandstone quarry, infilled pond)	Migration via permeable strata and preferential pathways. Inhalation of gas. Explosion in confined spaces.	Future site users. Buildings. Offsite receptors.	Unlikely	Severe	Moderate / Low
4	Mobile contaminants such as metals and PAHs	Surface run-off. Migration via permeable strata and preferential pathways. Perched waters migration.	Groundwater Surface water	Unlikely	Medium	Low
5	Organic contaminants such as volatile compounds (made ground)	Ingestion of tainted water supply.	Future site users. Water pipes.	Unlikely	Medium	Low

Table 5-4: Preliminary Contamination Conceptual Model.

Notes: PL = Pollutant Linkage. Contaminant of Concern (CoC) - See Table 5-1 for contamination sources. See Section 7 for recommendations.

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	Site is approximately level – no further risk assessment required.
Envirocheck Ground Stability Hazards	No to low hazard identified. No further action required.
Made Ground	Unknown depth and constituent of made ground across the site.
Superficial	Unknown strength of soils for foundation design.
Bedrock	Unknown depth to bedrock.
Groundwater	Unknown depth and variability of groundwater.
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.
Road / Pavement Design	Unknown CBR values for footpath and road design.

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 & Pertinent Features	Site is vacant, except for a stone wall slightly protruding into site from the north boundary, and an abandoned horse box on the western edge of the site.
Proposed Development	Residential extension of existing Titus Cottage.
Main Historical Features	Onsite: Titus Cottage, Vacant field. Surrounding Area: Sandstone Quarry, Plane Trees Farm, 3no. ponds, 2no. streams.
Geology / Hydrogeology	Artificial: No BGS recorded artificial. Bedrock: Cannel Rock – South Lancashire (sandstone). Secondary A Aquifer.
Site Reconnaissance	The site is predominantly grassed with a few patches of hard stood ground along the southern edge. Site is vacant except for a stone wall slightly protruding into site from the north boundary and an abandoned horse box on the western edge of the site. Site is approximately level. Site is accessible via Bradley Fold Road. Gate is usually locked but can be unlocked with prior notice by residents of Titus Cottage. Patches of demolition rubble are present in patches along the south of the site. Scrap metal has been partially overgrown in the eastern half of the site. No evidence of contamination identified.
Landfills / Infilled ground	Potentially infilled ground identified - 3no. features: 62m W, 42m SW, 172m NE

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

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

Pollutant Linkage	Contaminants	Risk
PL1: Contaminants posing a risk to receptors via dermal contact, ingestion and inhalation (of soil, dust, fibres and home-grown produce).	Asbestos, heavy metals, PAHs	Moderate / Low
PL2: Volatile contaminants posing a risk to receptors via the inhalation of vapours.	Naphthalene.	Low
PL3: Gas posing a risk to buildings and receptors via the migration of gas into building causing explosion and asphyxiation.	Hazardous Gas/Ground Gas e.g. Carbon Dioxide and Methane	Moderate / Low
PL4: Mobile contamination posing a risk to controlled waters via the migration through permeable strata.	Metals and PAHs	Low
PL5: Organic contaminants posing a risk to receptors.	Volatile compounds	Low

Table 7-2: Summary risk table.

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	Site is approximately level – no further risk assessment required.
Made Ground	Unknown depth and constituent of made ground across the site.
Superficial	Unknown strength of soils for foundation design.
Bedrock	Unknown depth to bedrock.
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.

Based upon the available information, LKC conclude there is a viable contamination and geotechnical risk and therefore further assessment is recommended.

7.2. Recommendations

Recommendations are provided in Table 7-4.

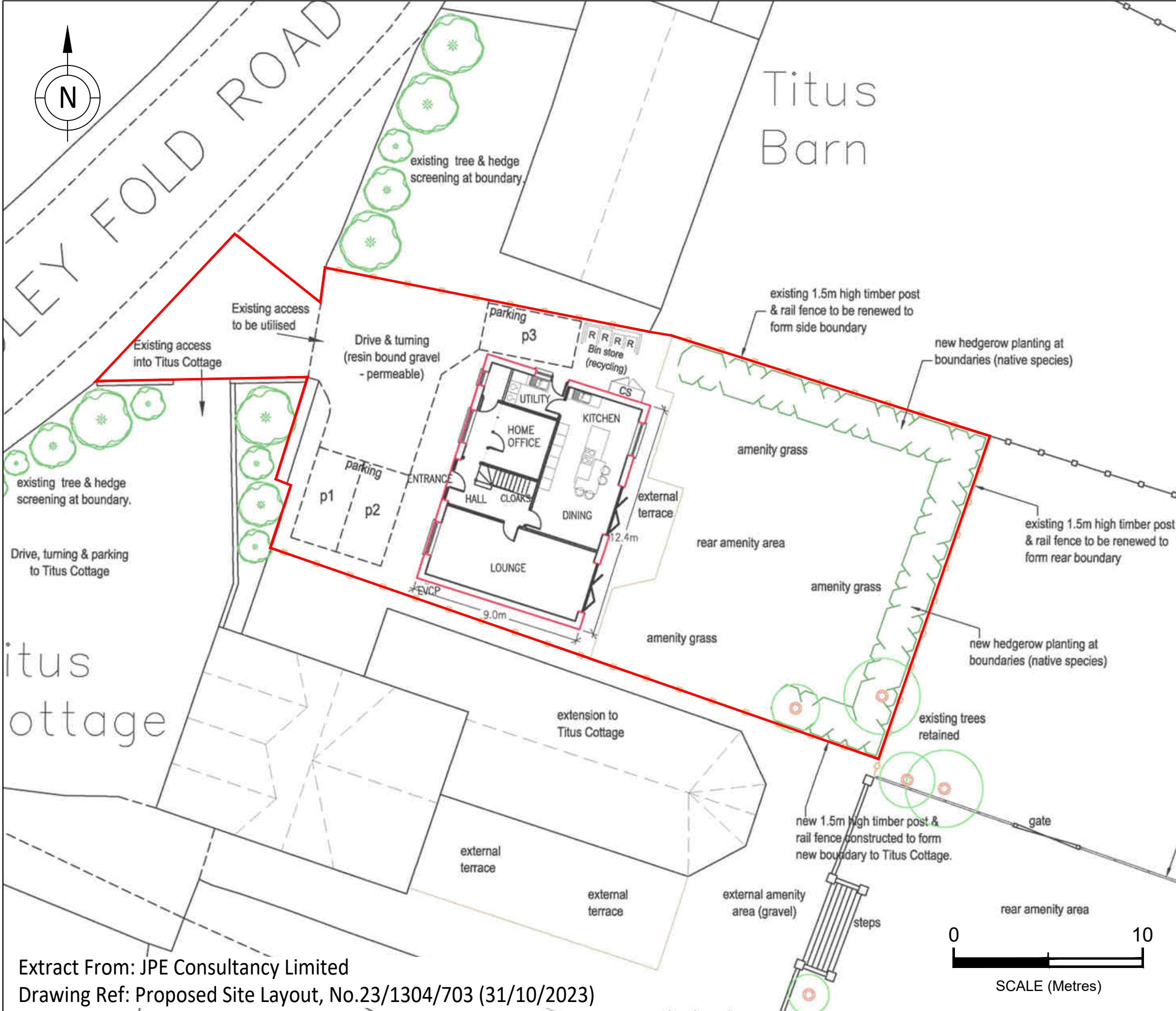
Contamination Status	There is sufficient information on the potential contaminative status of the site to allow conditional approval of a planning application, based on the proposed end use detailed in the PRA.
Further Assessment Recommendations	Phase 2 intrusive investigation required, once planning has been approved. Phase 2 investigation to be carried out in line with current guidance, including BS10175 ⁸ , BS5930 ⁹ CIRIA C665 ¹⁰ , RB17 ¹¹ and BS8485 ¹² . To be agreed with the local authority.
Local Authority Approval	Conditional planning approval is likely to require an agreed detailed scope of work.
Type of Investigation Work	Boreholes and / or trial 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	No further assessment required.
PL 4	No further assessment required.
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.

Figures



Client: Chris Halliwell				Title: Site Location & Boundary Plan			
Site: Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester				Scale (see scale bar): 1:25,000 & 1:300 @ A4			
Job No.: LKC 24 1306	Drawn By: HW	Checked By: RP	Drawn: Aug 2024	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.



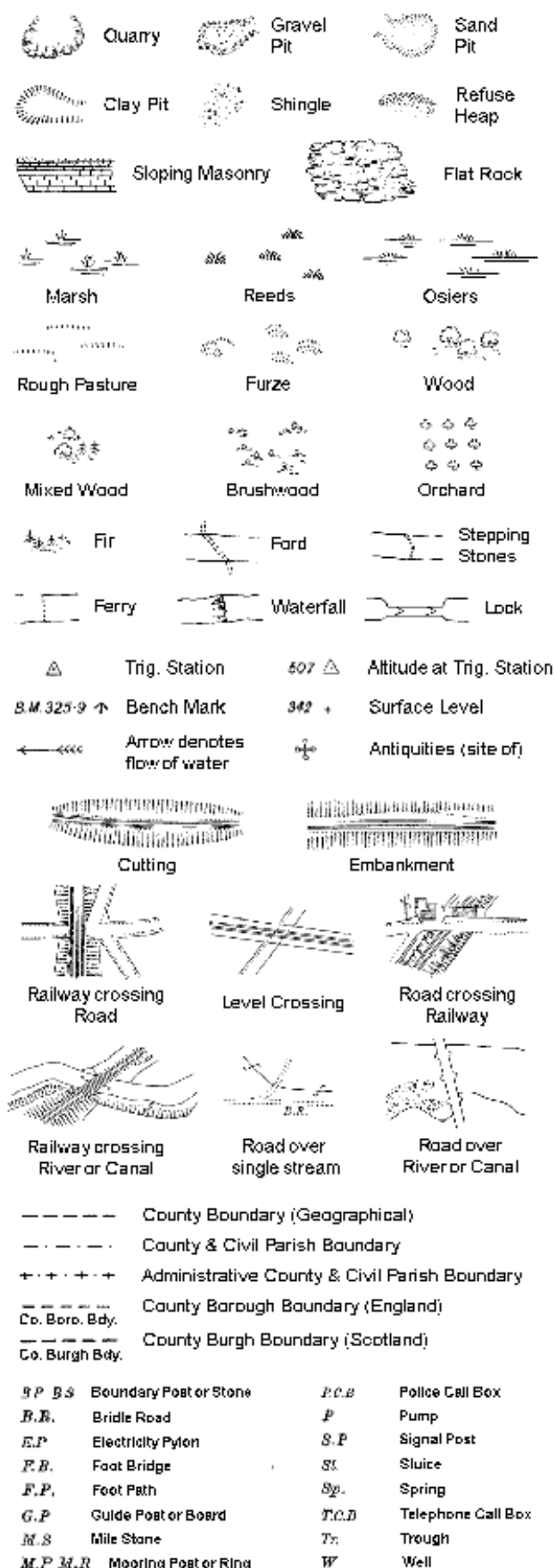
Client:		Chis Halliwell	
Site:		Titus Cottage, Bradley Fold Road, Ainsworth, Bury	
Title:		Proposed Site Plan	
Job No.:	LKC241306	Scale (See Scale Bar):	See Scale Bar
Drawn By:	AC	Checked By:	HW
Aug 2024		Figure:	2

Extract From: JPE Consultancy Limited
Drawing Ref: Proposed Site Layout, No.23/1304/703 (31/10/2023)

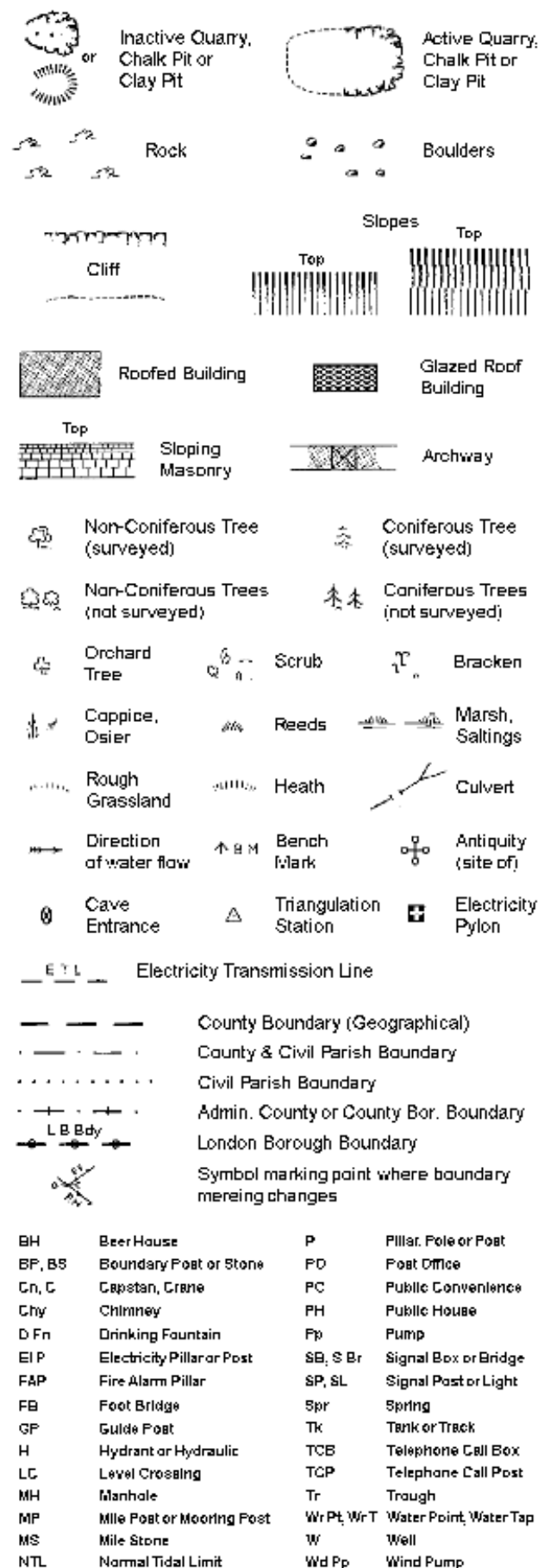
Appendix A – Historical Maps

Historical Mapping Legends

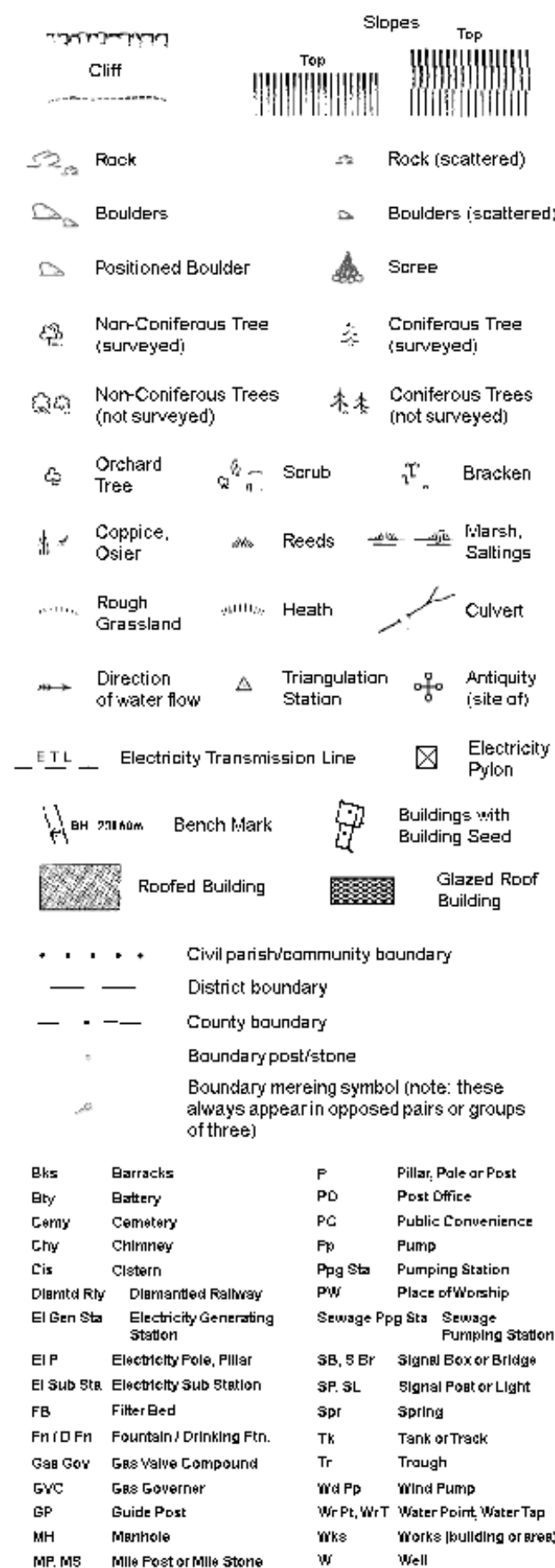
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



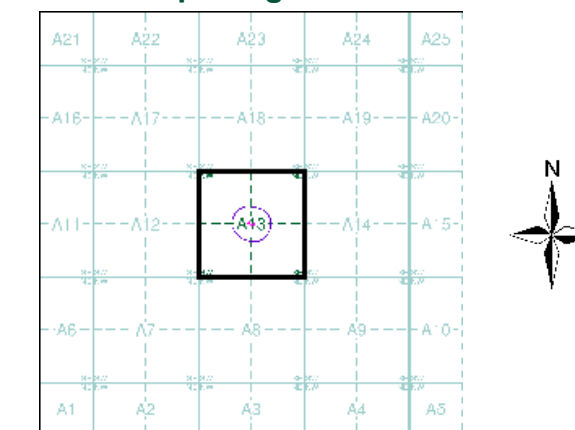
Large-Scale National Grid Data 1:2,500 and 1:1,250



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	1930	4
Lancashire And Furness	1:2,500	1937 - 1939	5
Ordnance Survey Plan	1:1,250	1955	6
Additional SIMs	1:1,250	1955 - 1987	7
Ordnance Survey Plan	1:2,500	1956	8
Ordnance Survey Plan	1:2,500	1969	9
Ordnance Survey Plan	1:1,250	1975	10
Additional SIMs	1:1,250	1986	11
Large-Scale National Grid Data	1:1,250	1992	12
Historical Aerial Photography	1:2,500	2001	13

Historical Map - Segment A13



Order Details

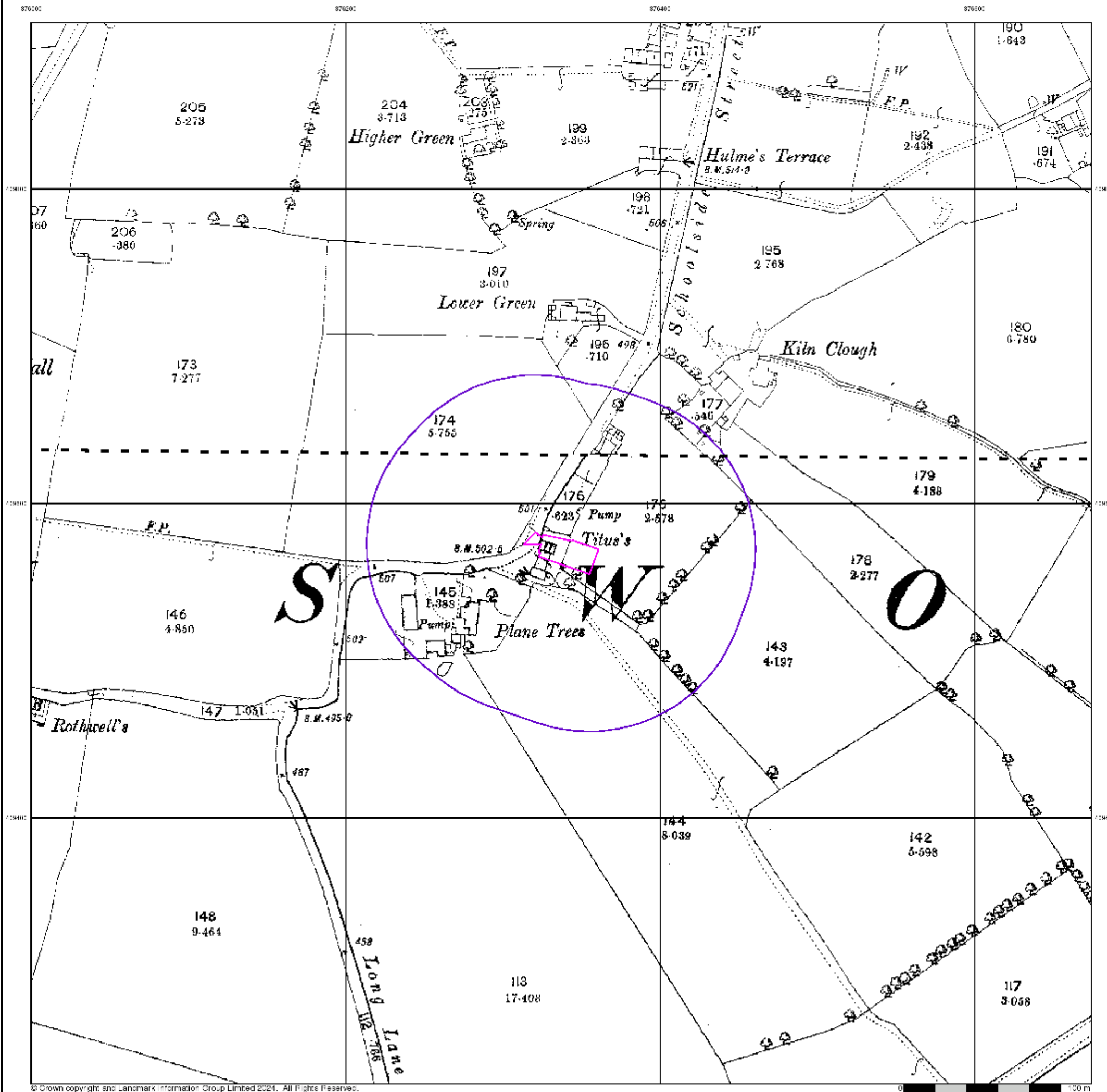
Order Number: 354981146_1_1
 Customer Ref: LKC 24 1306
 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 100

Site Details

Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester, BL2 5QD



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



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Lancashire And Furness

Published 1893

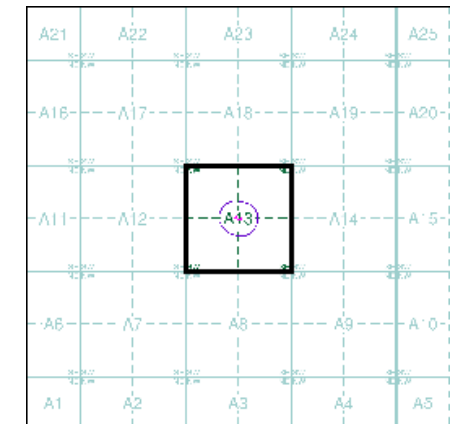
Source map scale - 1:2,500

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)

087_11
1893
1:2,500
087_15
1893
1:2,500

Historical Map - Segment A13



Order Details

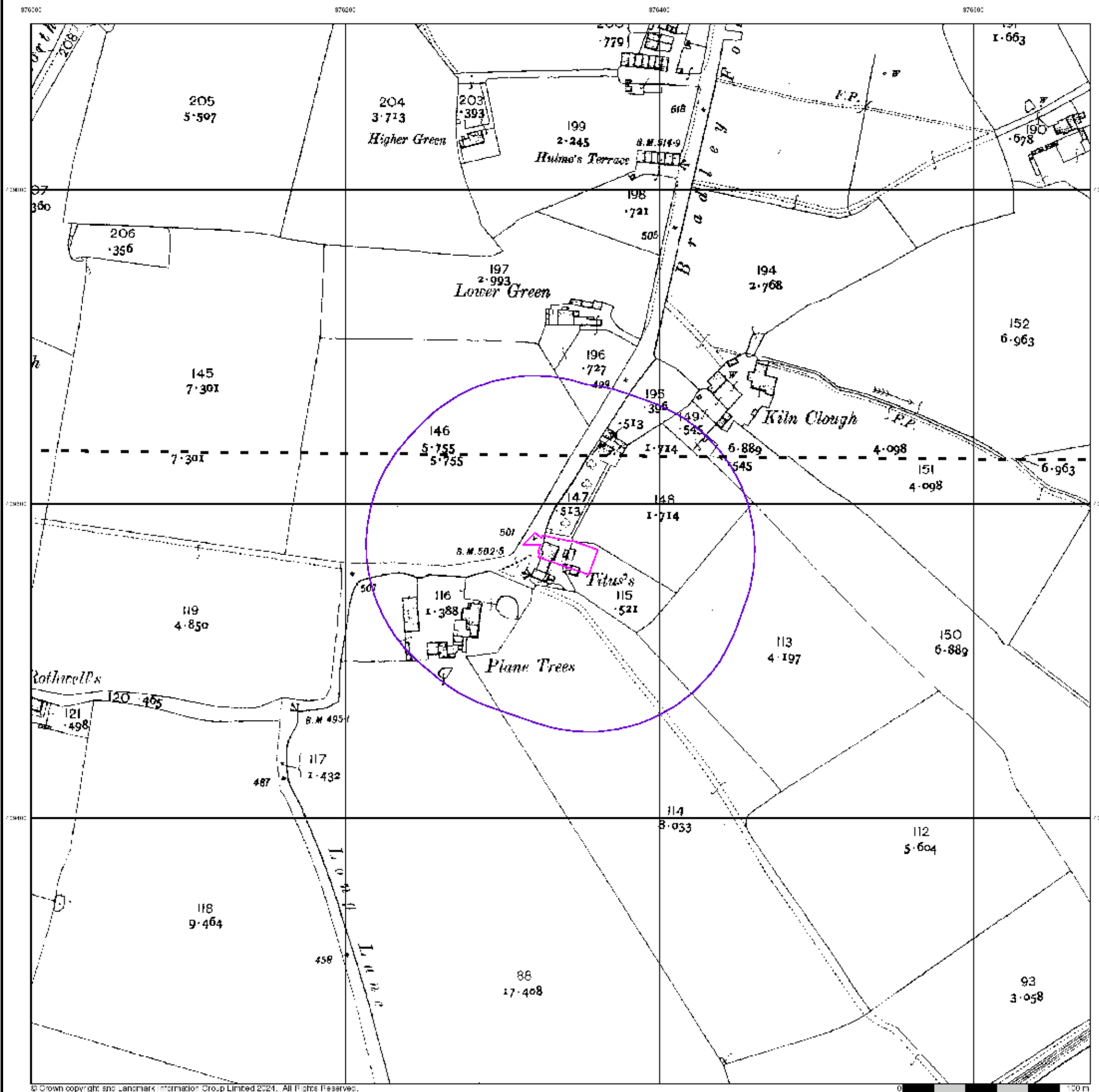
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 Search Buffer (m): 100

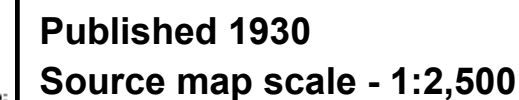
Site Details

Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester, BL2 5QD

Landmark
 INFORMATION GROUP

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





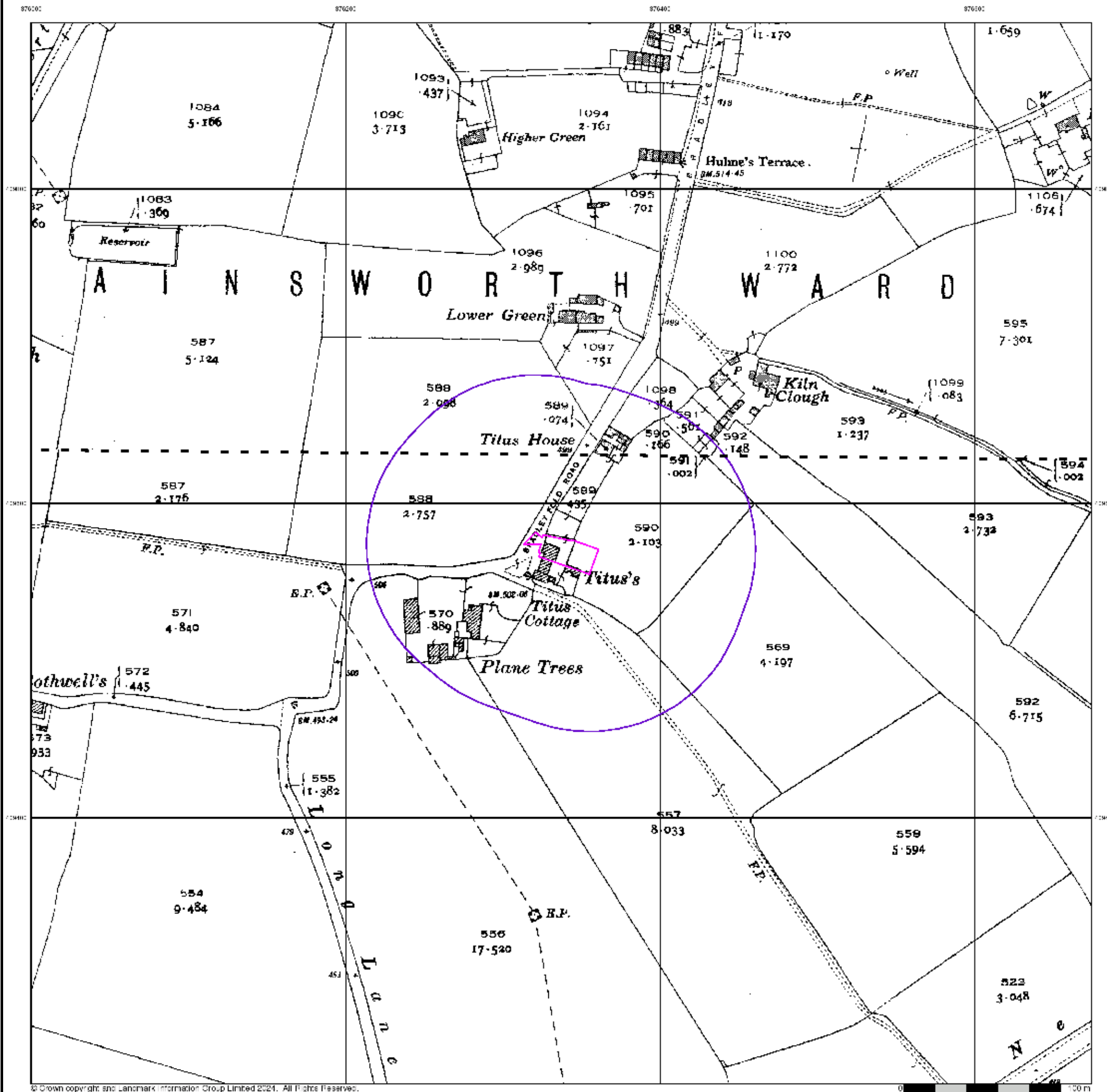
Map Name(s) and Date(s)



Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

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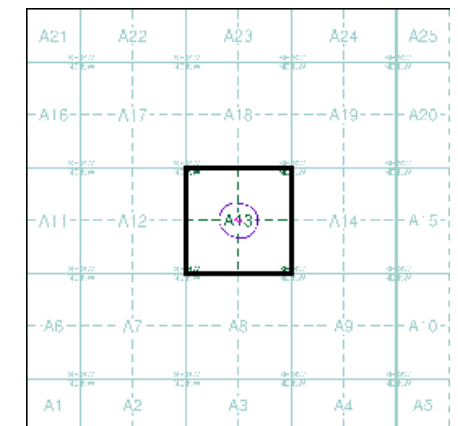
LK GROUP Lancashire And Furness Published 1937 - 1939 Source map scale - 1:2,500

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)

087_11	1939	1:2,500
087_15	1937	1:2,500

Historical Map - Segment A13



Order Details

Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site Details

Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester, BL2 5QD

Landmark
INFORMATION GROUP

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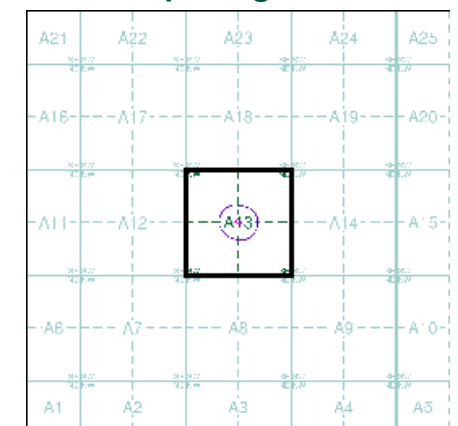


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)

SD7509NE 1955 1:1,250	SD7609NW 1955 1:1,250	SD7609NE 1955 1:1,250
SD7509SE 1955 1:1,250	SD7609SW 1955 1:1,250	SD7609SE 1955 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
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Site Details

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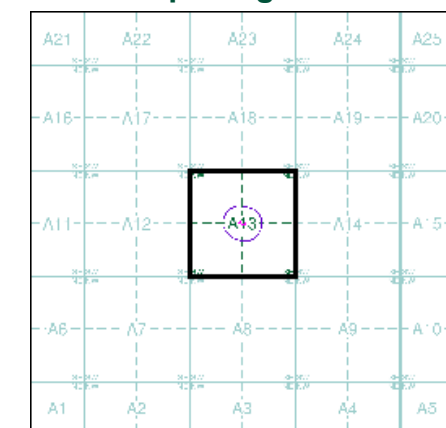


The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)

SD7509NE 1987 1:1,250	SD7609NW 1986 1:1,250	SD7609NE 1955 1:1,250
SD7509SE 1987 1:1,250	SD7609SW 1955 1:1,250	SD7609SE 1955 1:1,250

Historical Map - Segment A13



Order Details

Order Number:	354981146_1_1
Customer Ref:	LKC 24 1306
National Grid Reference:	376340, 409570
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	100

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Map Name(s) and Date(s)

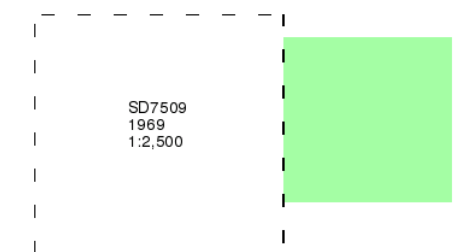


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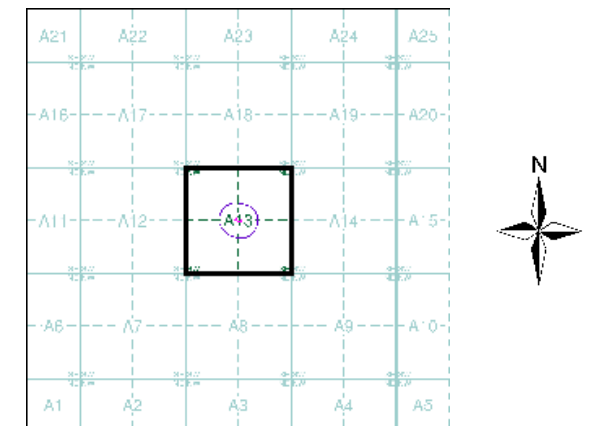
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Web: www.envirocheck.co.uk



Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

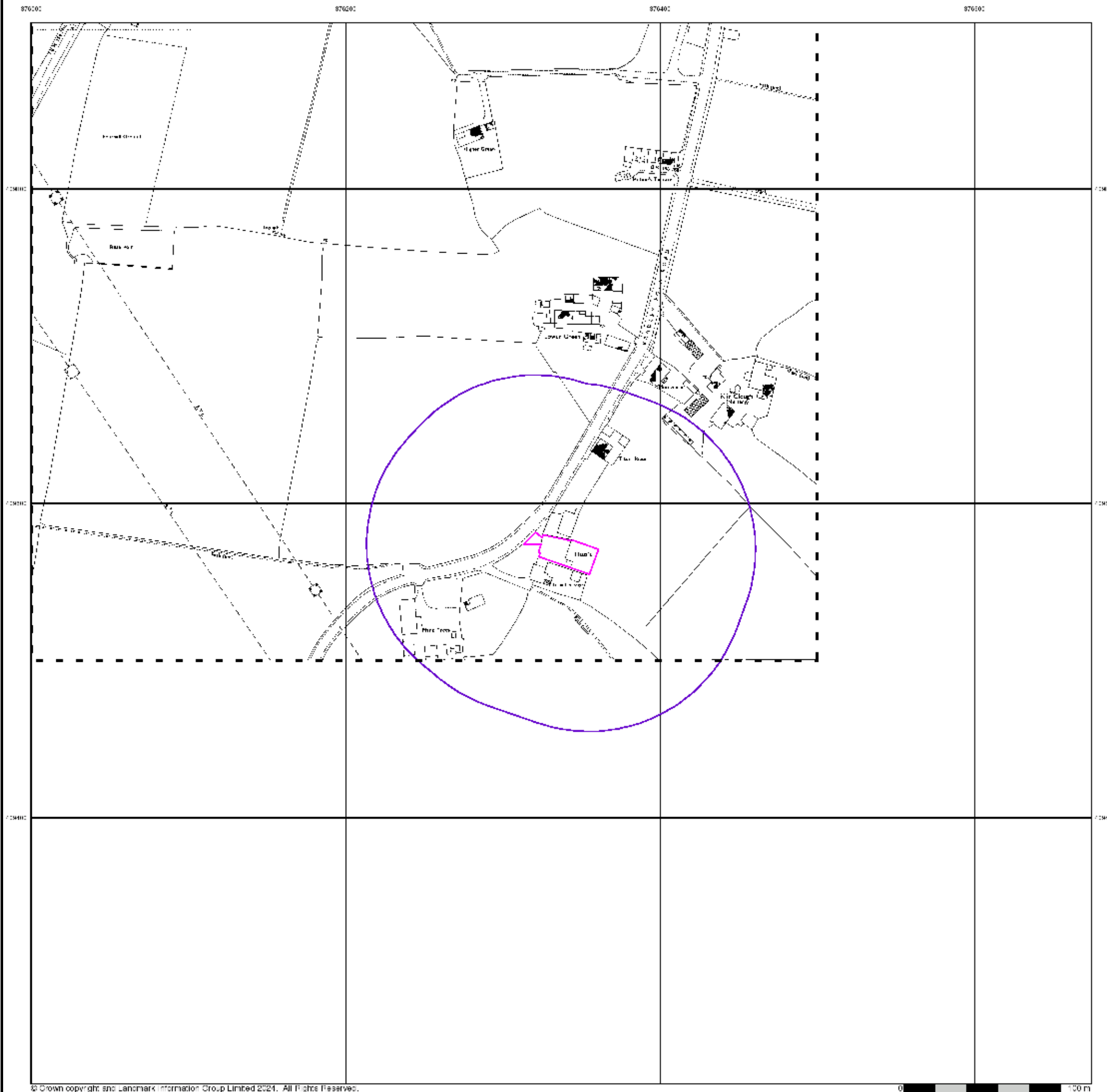
Order Number: 354981146_1_1
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National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
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Ordnance Survey Plan

Published 1975

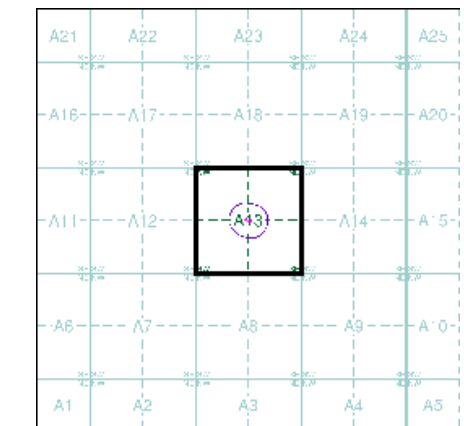
Source map scale - 1:1,250

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)

SD7609NW
1975
1:1,250

Historical Map - Segment A13



Order Details

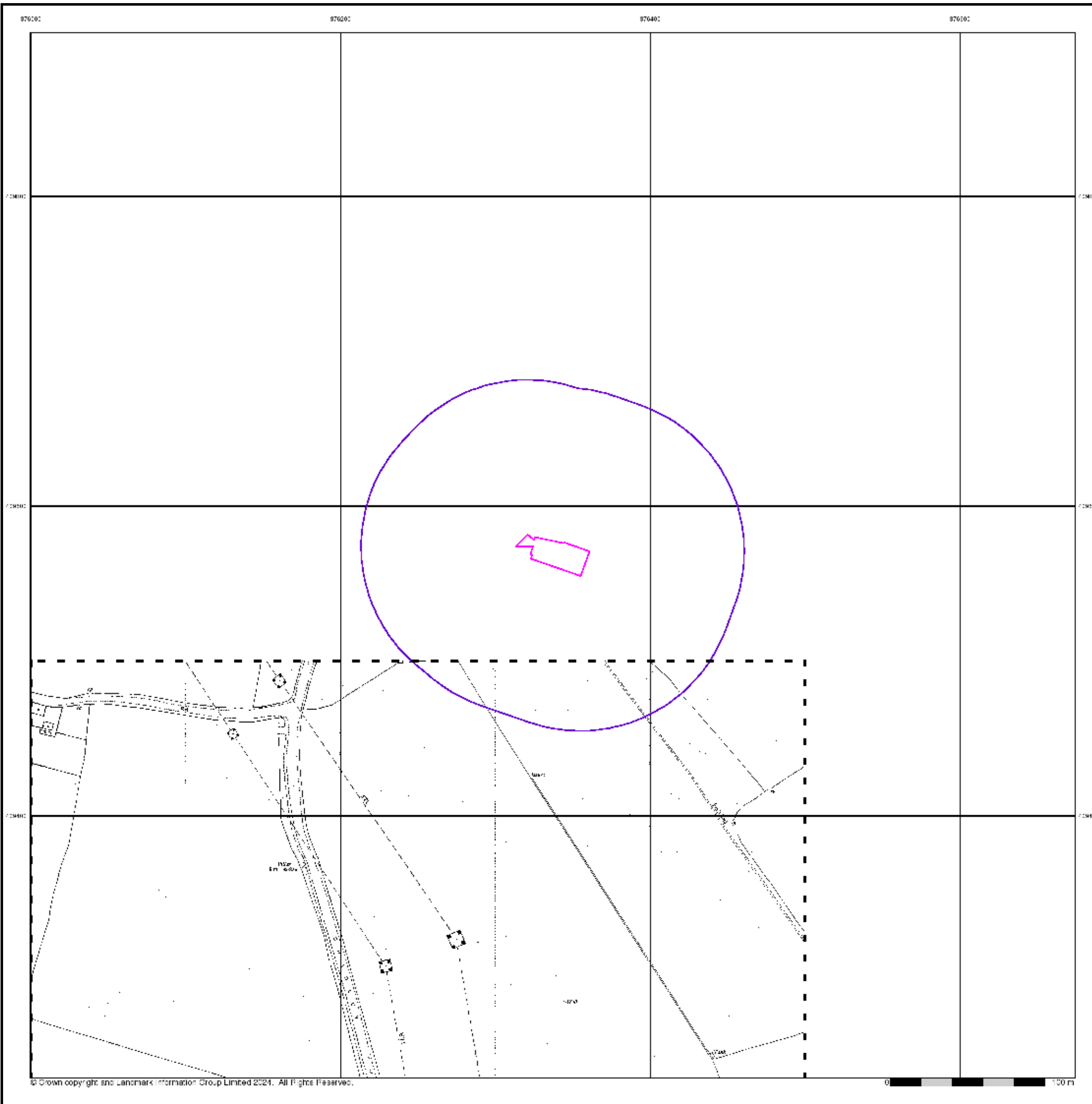
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National Grid Reference: 376340, 409570
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Site Details

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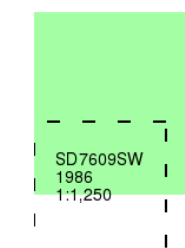


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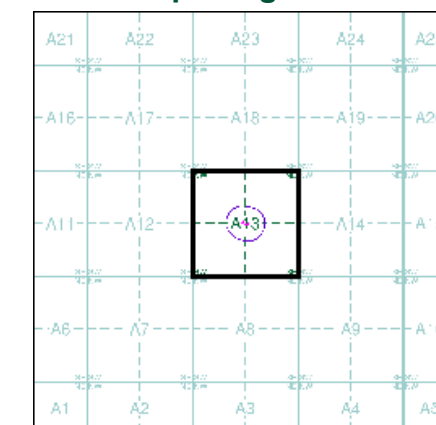


The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site Details

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Published 1992

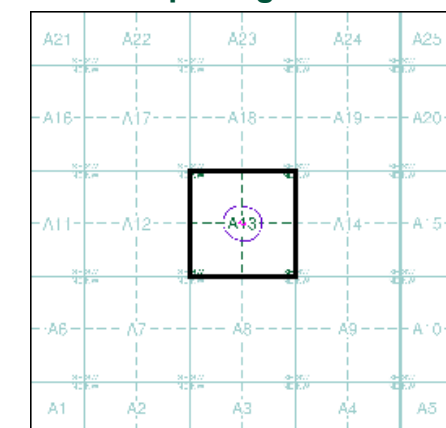
Source map scale - 1:1,250

'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)

SD7509NE 1992 1:1,250	SD7609NW 1992 1:1,250	SD7609NE 1992 1:1,250
SD7509SE 1992 1:1,250	SD7609SW 1992 1:1,250	SD7609SE 1992 1:1,250

Historical Map - Segment A13



Order Details

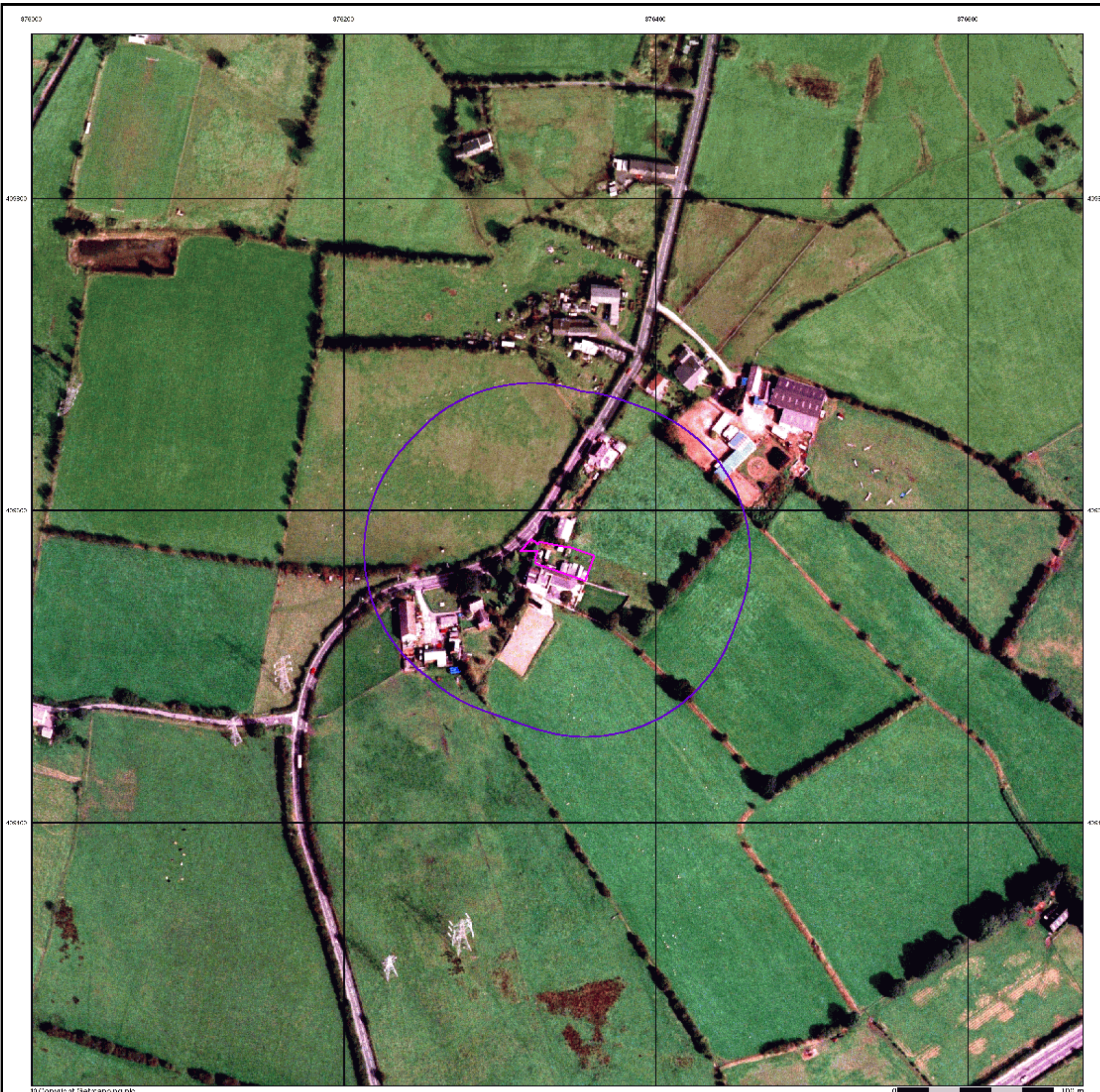
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Customer Ref:	LKC 24 1306
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Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	100

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LK

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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

A21	A22	A23	A24	A25
A16	A17	A18	A19	A20
A11	A12	A13	A14	A15
A6	A7	A8	A9	A10
A1	A2	A3	A4	A5

N

Order Details

Order Number:

354981146_1_1

Customer Ref:

LKC 24 1306

National Grid Reference:

376340, 409570

Slice:

A

Site Area (Ha):

0.07

Search Buffer (m):

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

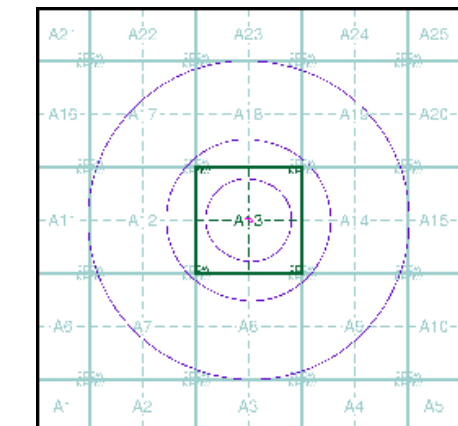
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1850	3
Lancashire And Furness	1:10,560	1894	4
Lancashire And Furness	1:10,560	1911	5
Lancashire And Furness	1:10,560	1931	6
Lancashire And Furness	1:10,560	1938	7
Ordnance Survey Plan	1:10,000	1955 - 1956	8
Ordnance Survey Plan	1:10,000	1965 - 1969	9
Ordnance Survey Plan	1:10,000	1974 - 1979	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1980 - 1987	12
Ordnance Survey Plan	1:10,000	1989	13
Ordnance Survey Plan	1:10,000	1991 - 1992	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2024	17

Historical Map - Slice A



Order Details

Order Number: 354981146_1_1
 Customer Ref: LKC 24 1306
 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester, BL2 5QD

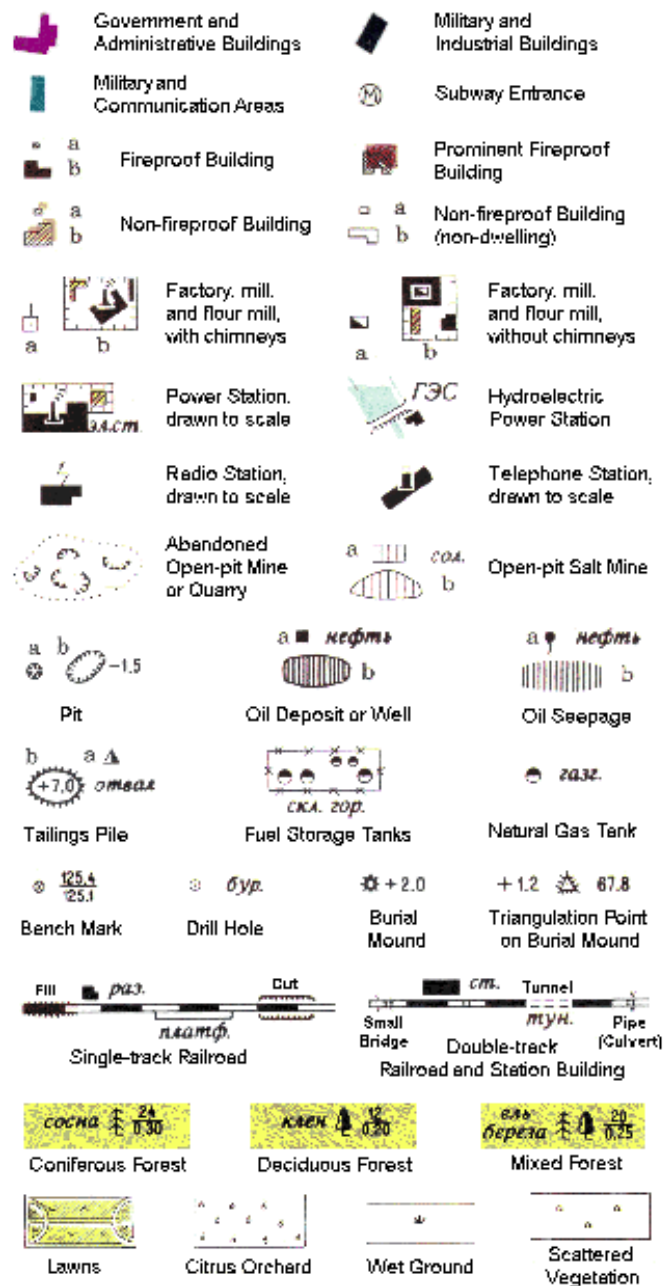


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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale



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

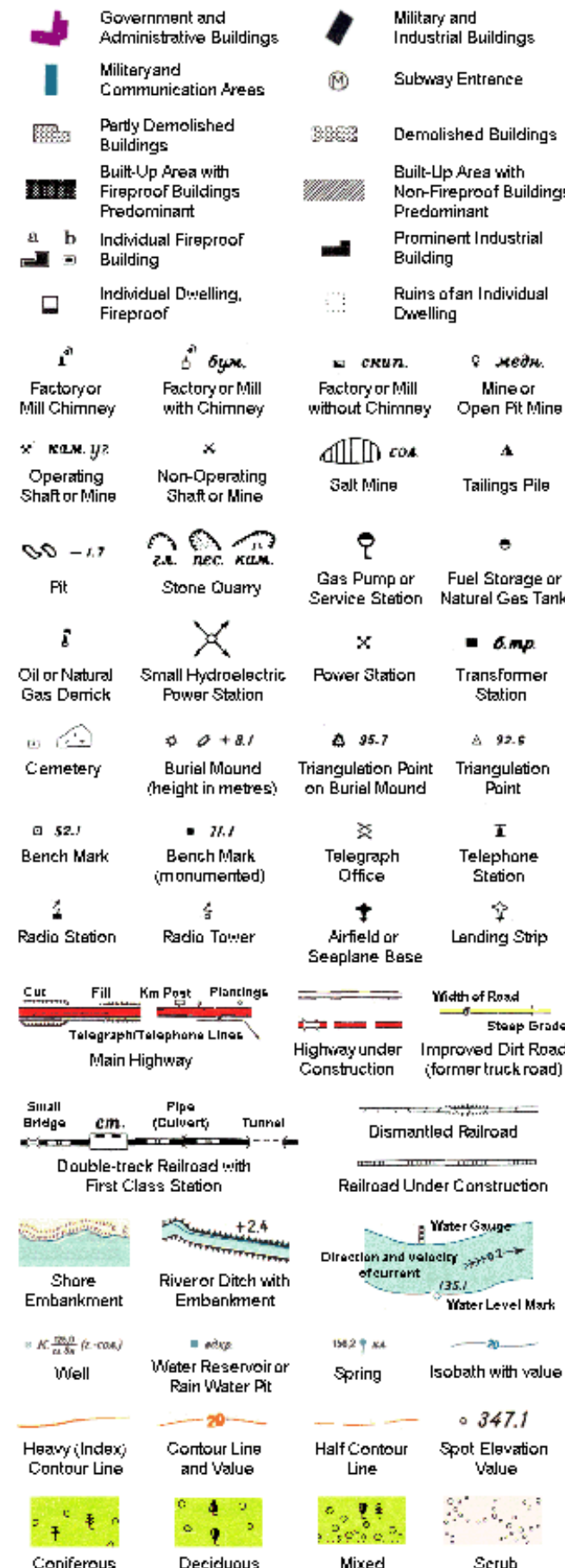
180 180 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale



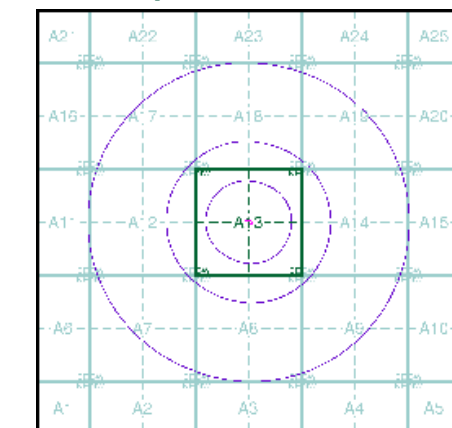
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1850	3
Lancashire And Furness	1:10,560	1894	4
Lancashire And Furness	1:10,560	1911	5
Lancashire And Furness	1:10,560	1931	6
Lancashire And Furness	1:10,560	1938	7
Ordnance Survey Plan	1:10,000	1955 - 1956	8
Ordnance Survey Plan	1:10,000	1965 - 1969	9
Ordnance Survey Plan	1:10,000	1974 - 1979	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1980 - 1987	12
Ordnance Survey Plan	1:10,000	1989	13
Ordnance Survey Plan	1:10,000	1991 - 1992	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2024	17

Russian Map - Slice A



Order Details

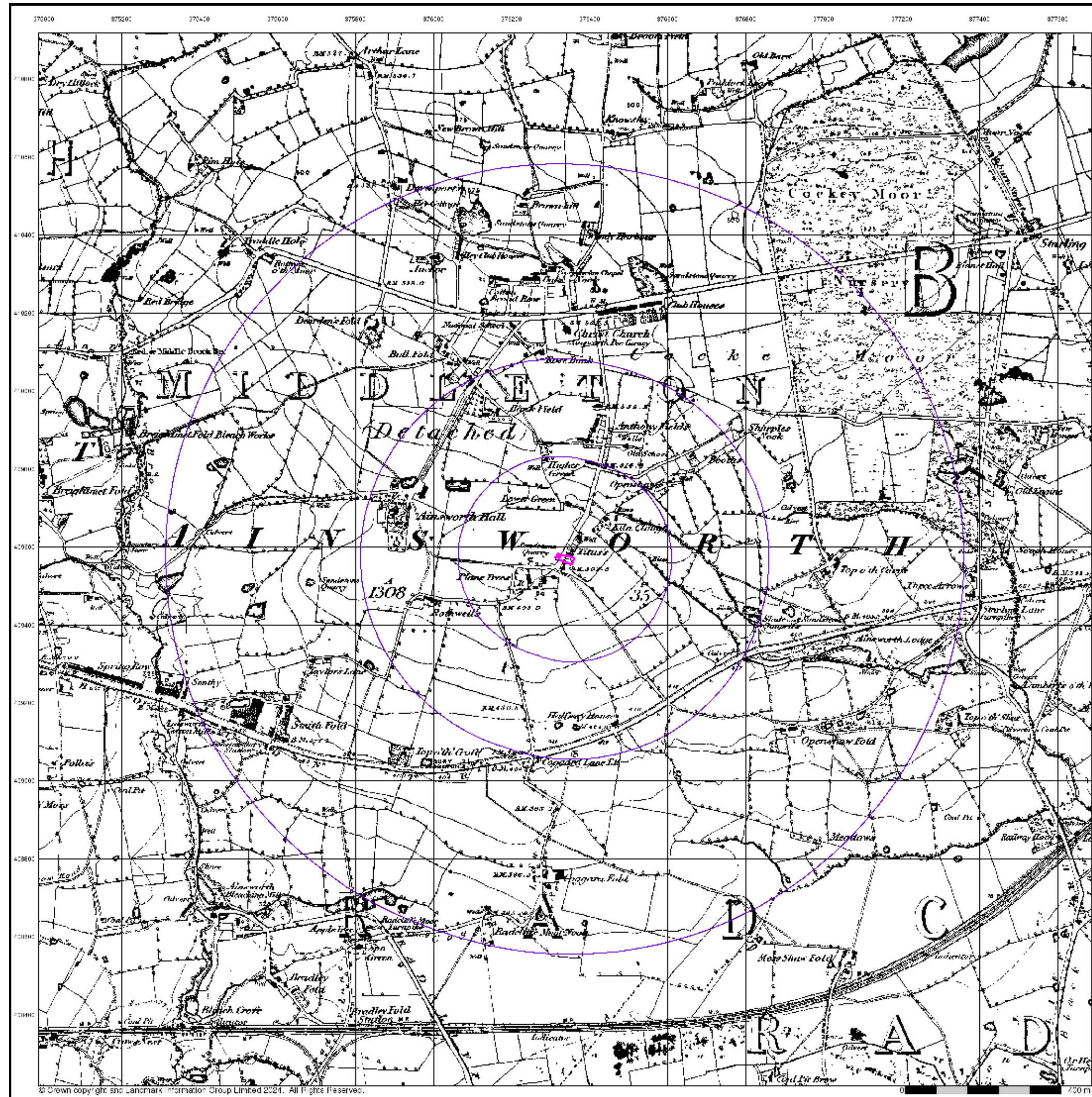
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 Slice: A
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 Search Buffer (m): 1000

Site Details

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Lancashire And Furness

Published 1850

Source map scale - 1:10,560

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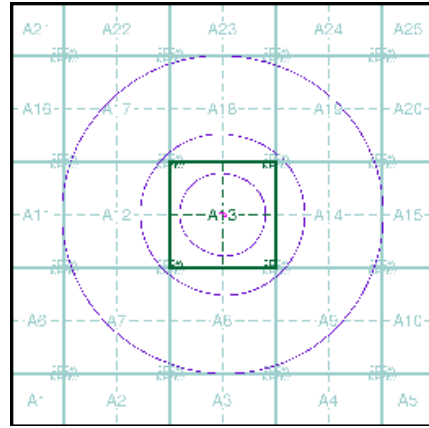
Map Name(s) and Date(s)

08700

1850

1:10,560

Historical Map - Slice A



Order Details

Order Number:	354981146_1_1
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National Grid Reference:	376340, 409570
Slice:	A
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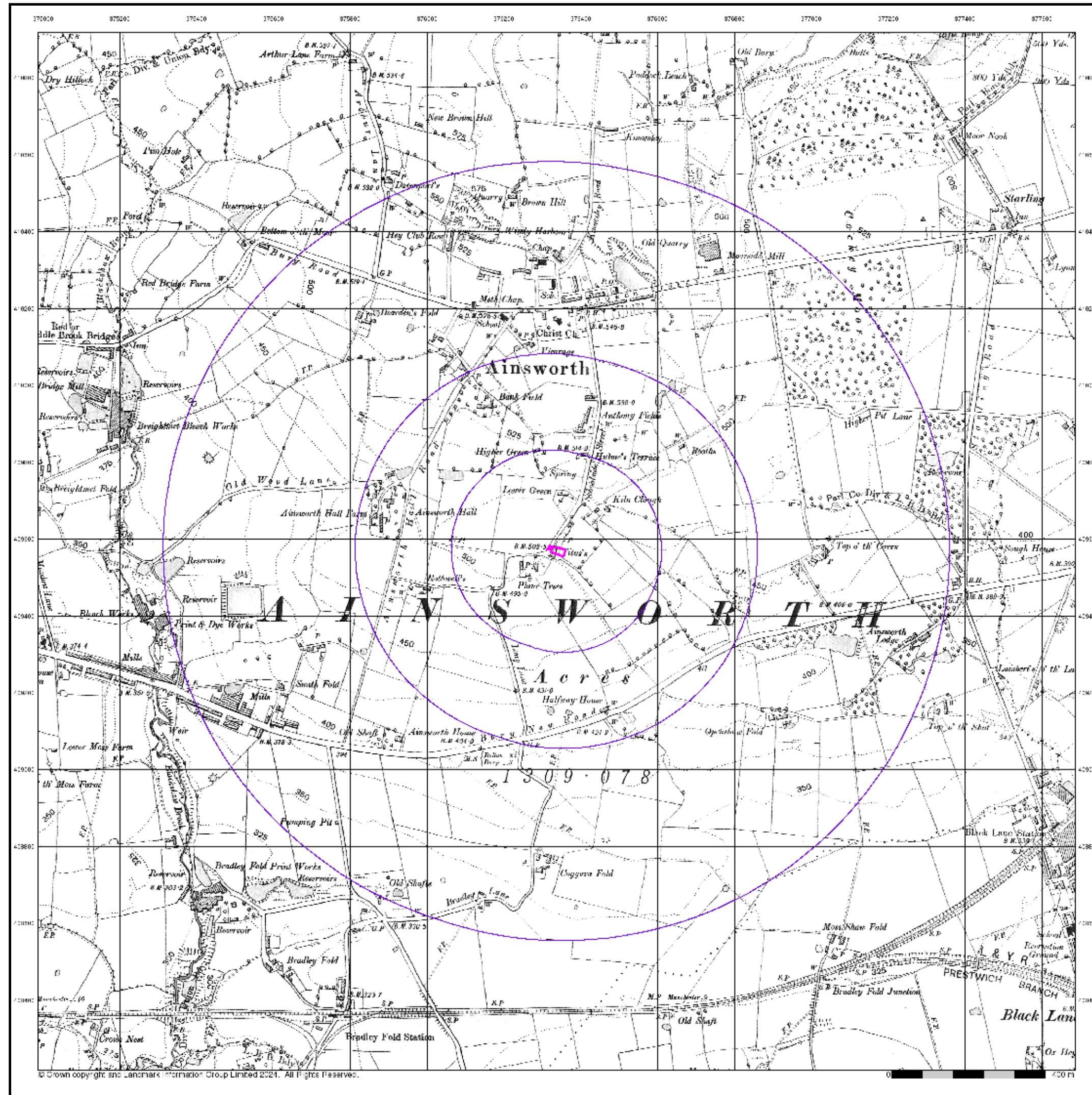
Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester, BL2 5QD



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LK GROUP

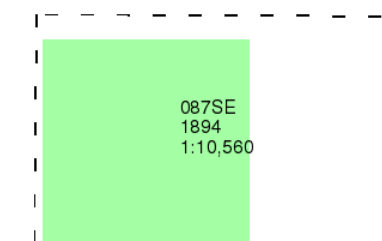
Lancashire And Furness

Published 1894

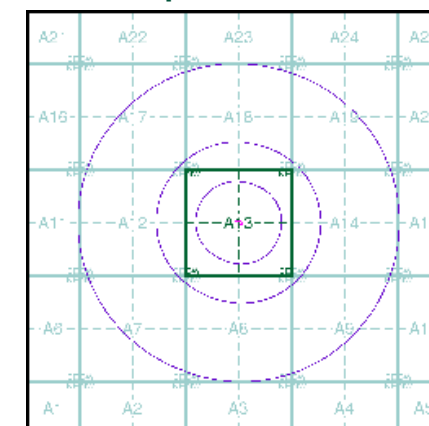
Source map scale - 1:10,560

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)



Historical Map - Slice A



Order Details

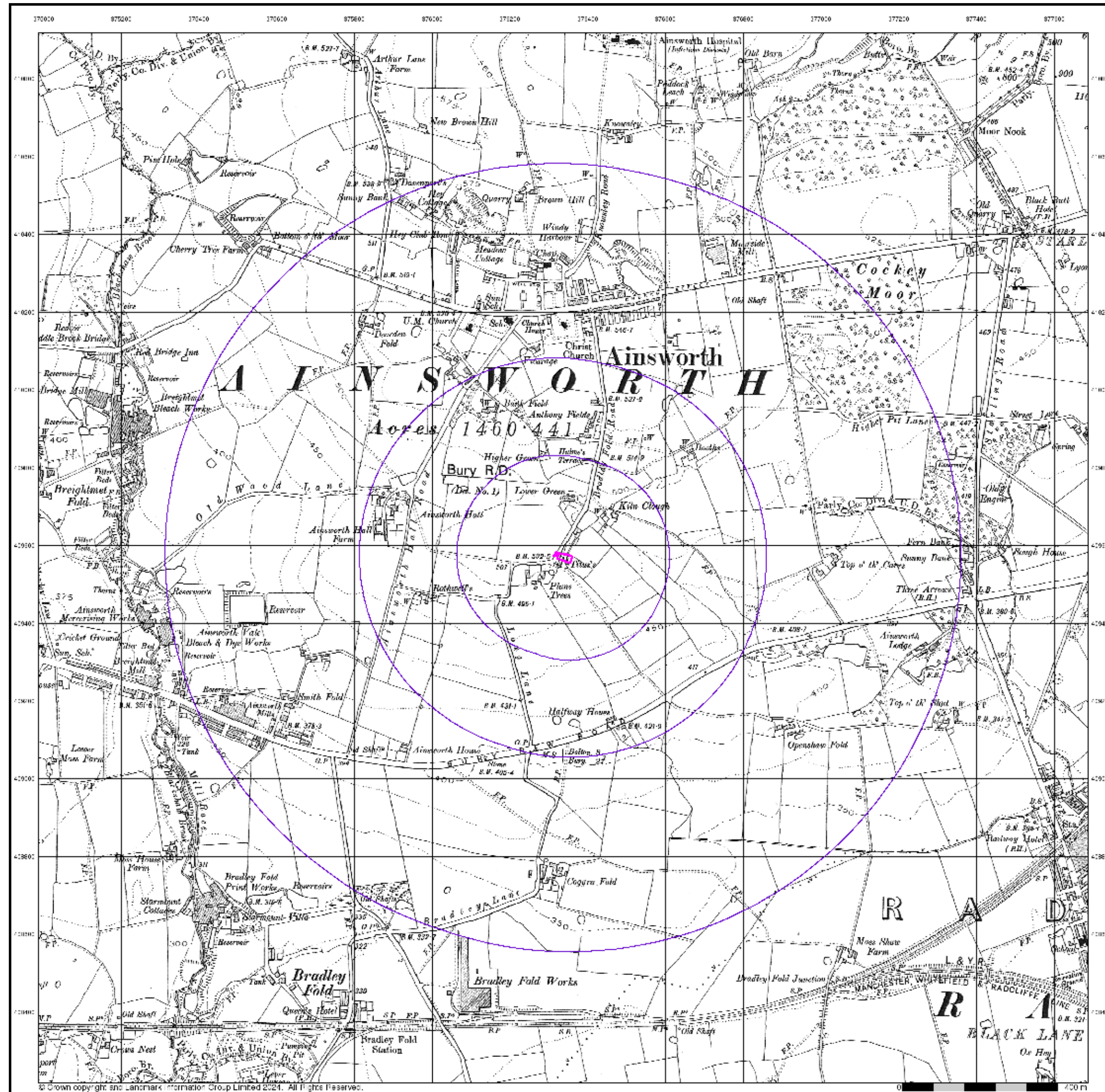
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Site Details

Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester, BL2 5QD

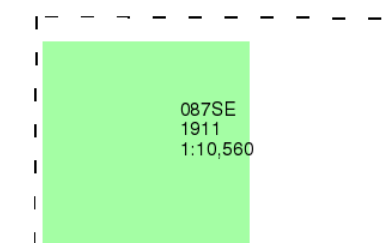
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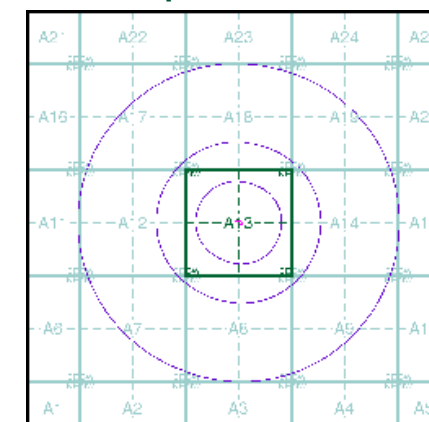


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)



Historical Map - Slice A

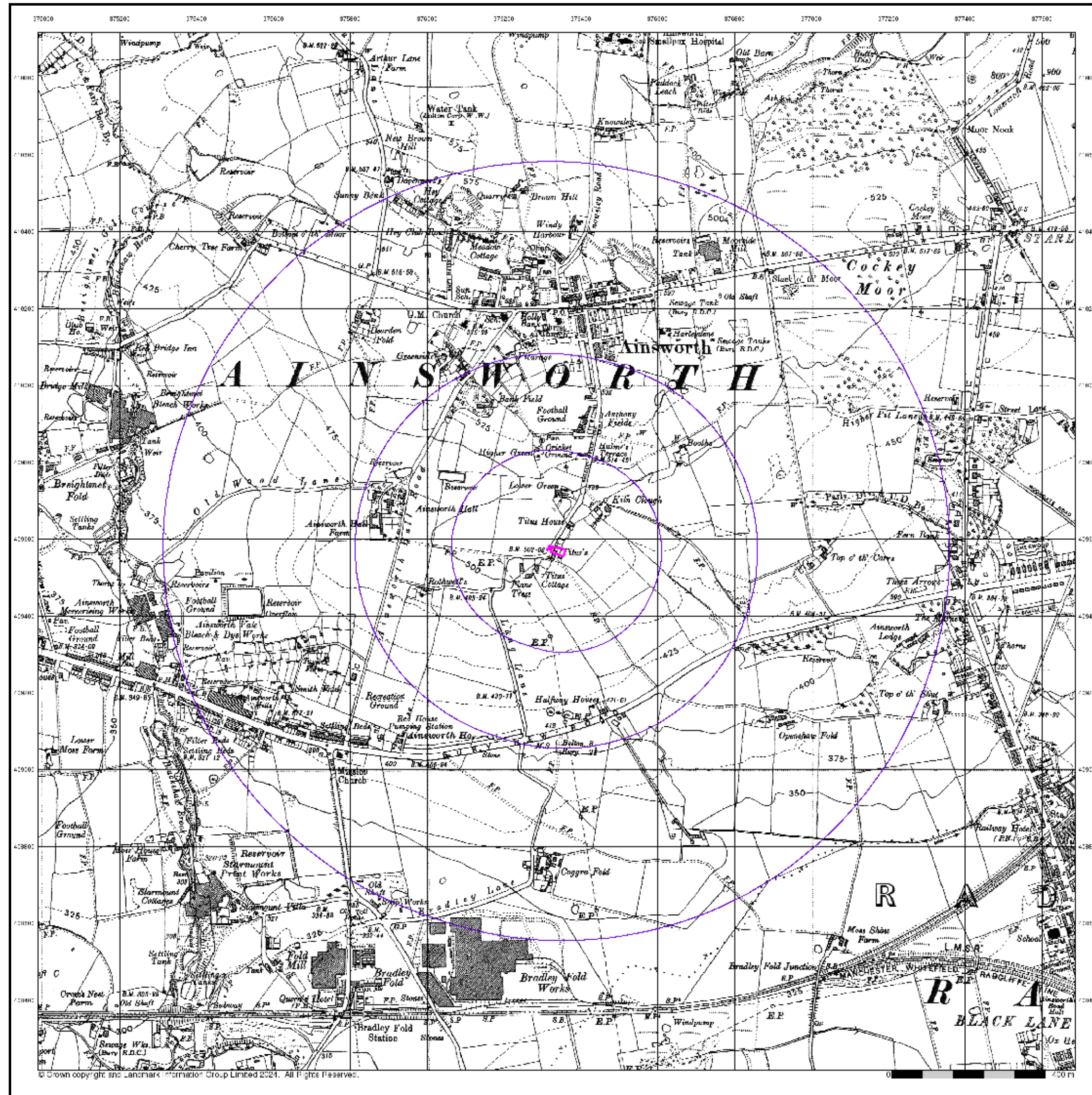


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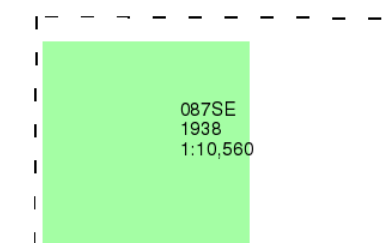
LK GROUP Lancashire And Furness

Published 1938

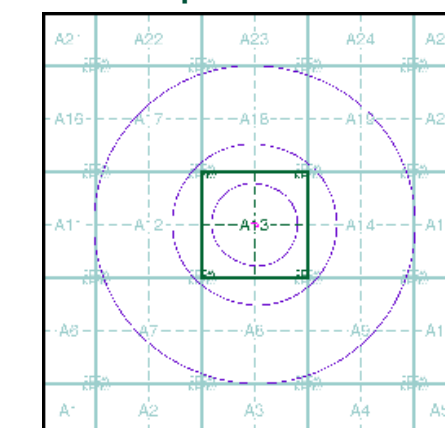
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

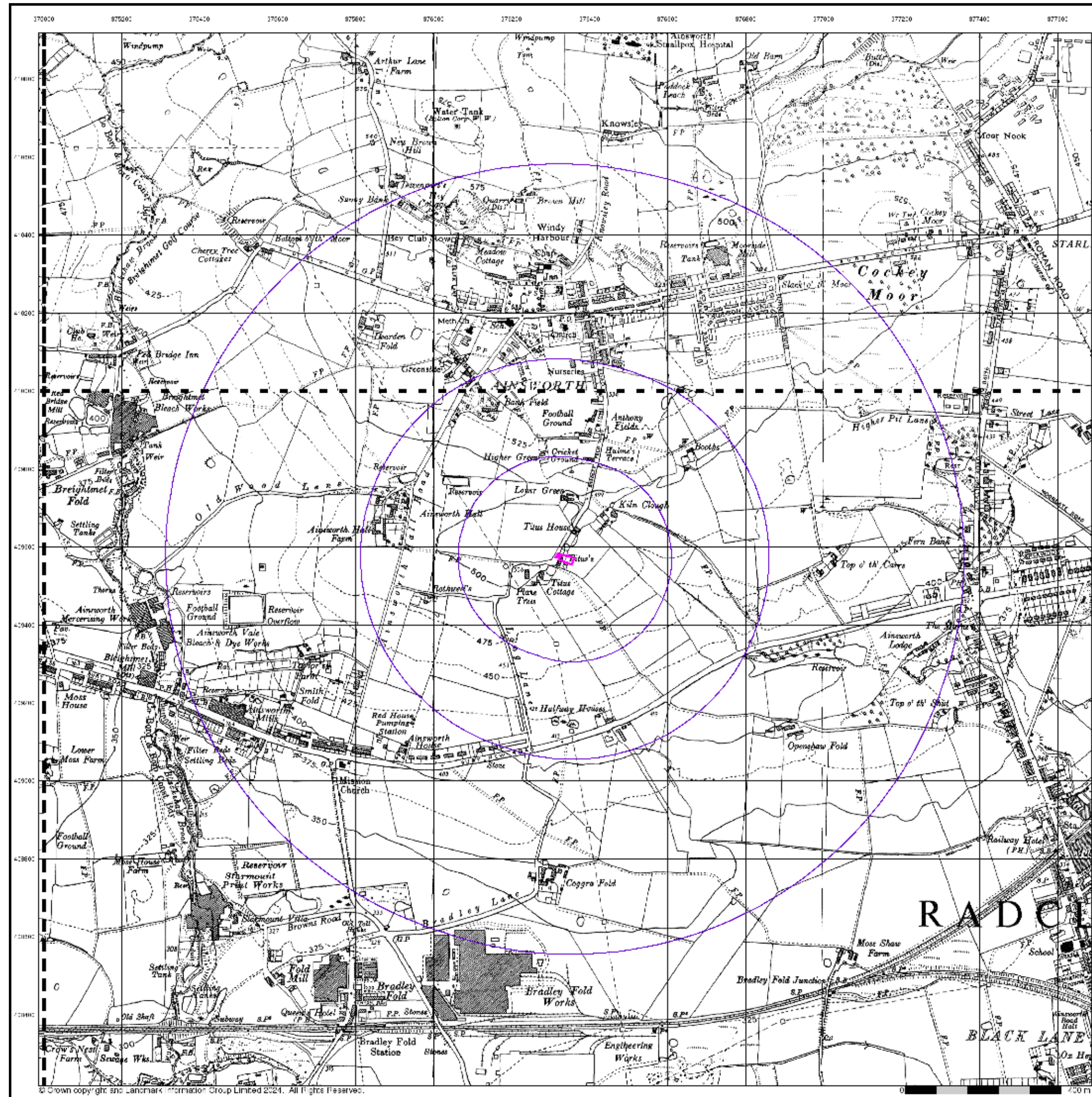
Order Number: 354981146_1_1
 Customer Ref: LKC 24 1306
 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester, BL2 5QD

Landmark
 INFORMATION GROUP

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Ordnance Survey Plan

Published 1955 - 1956

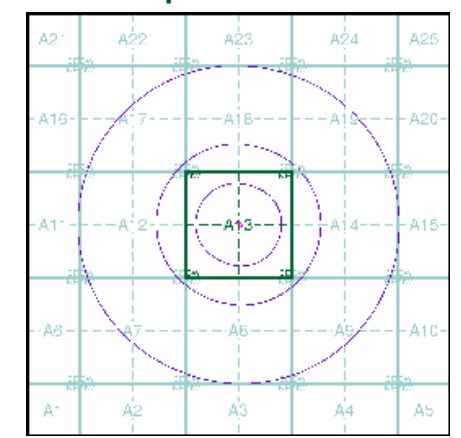
Source map scale - 1:10,000

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)

SD71SW	SD71SE
1956	1956
1:10,560	1:10,560
SD70NW	SD70NE
1956	1955
1:10,560	1:10,560

Historical Map - Slice A



Order Details

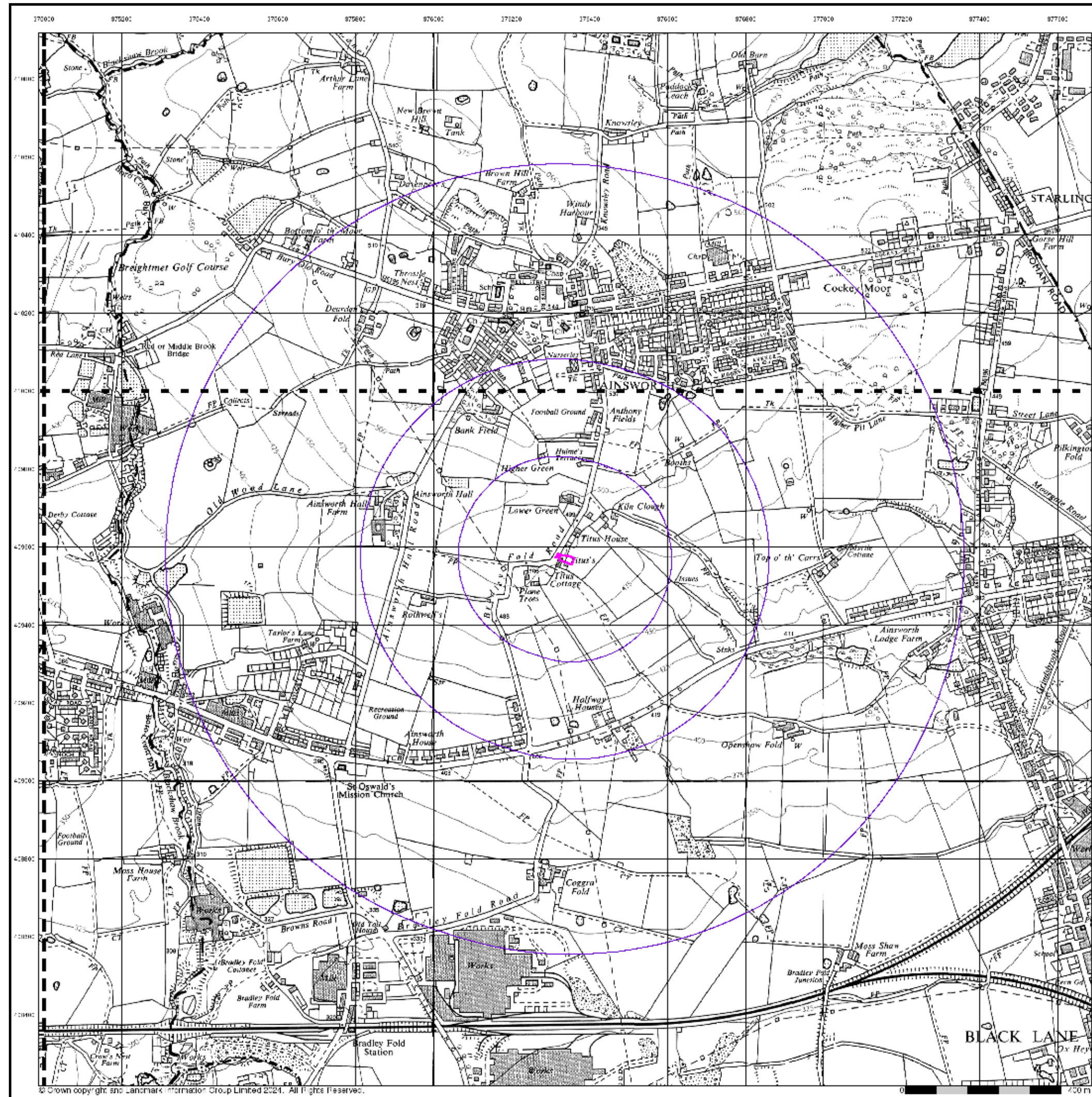
Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

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Ordnance Survey Plan

Published 1965 - 1969

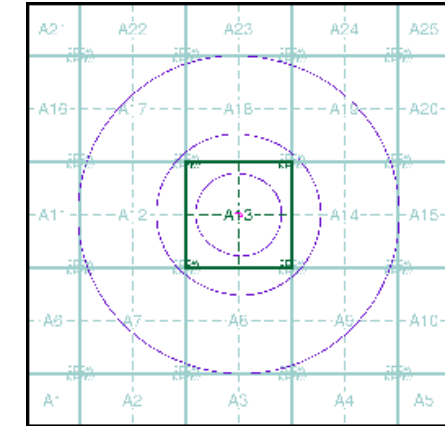
Source map scale - 1:10,000

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)

SD71SW	SD71SE
1969	1969
1:10,560	1:10,560
SD70NW	SD70NE
1967	1965
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

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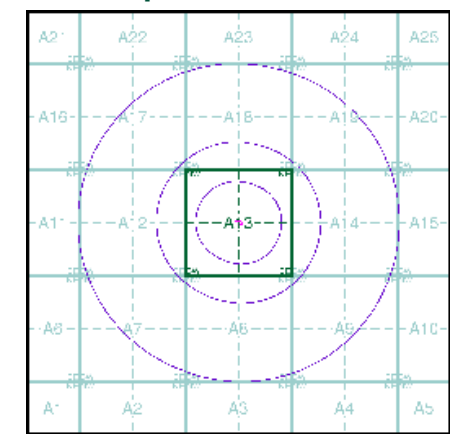
Published 1975
Source map scale - 1:25,000

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
SD70	1975	1:25,000

Russian Map - Slice A



Order Details

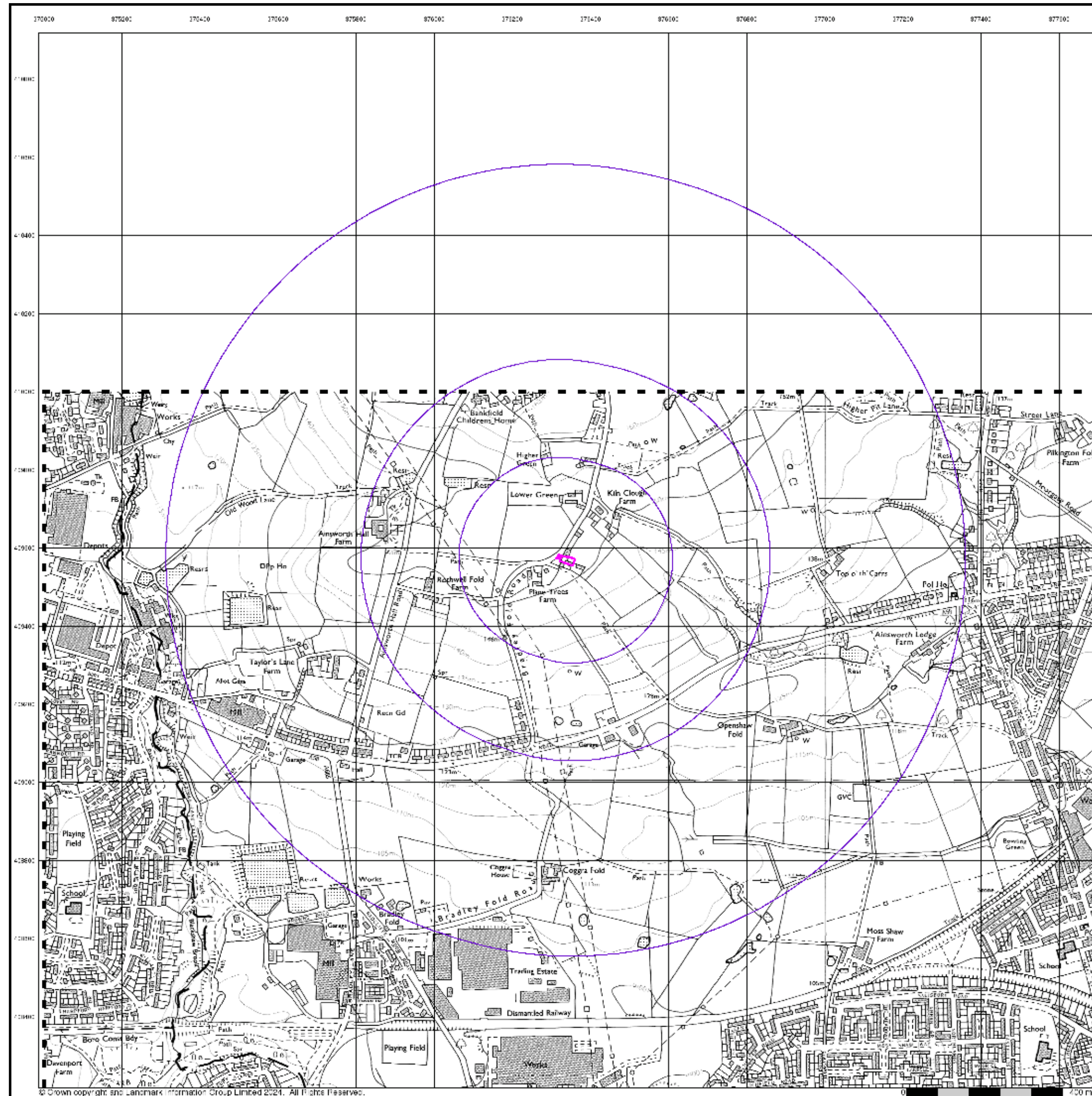
Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

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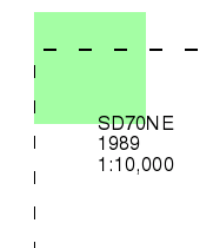
Ordnance Survey Plan

Published 1989

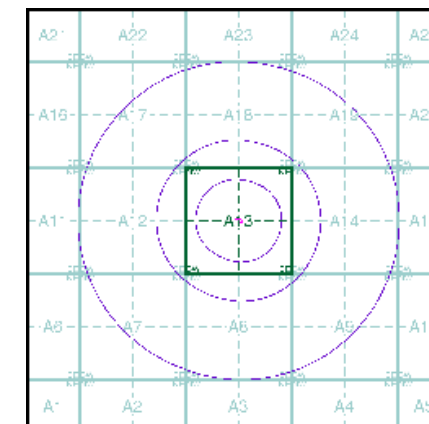
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

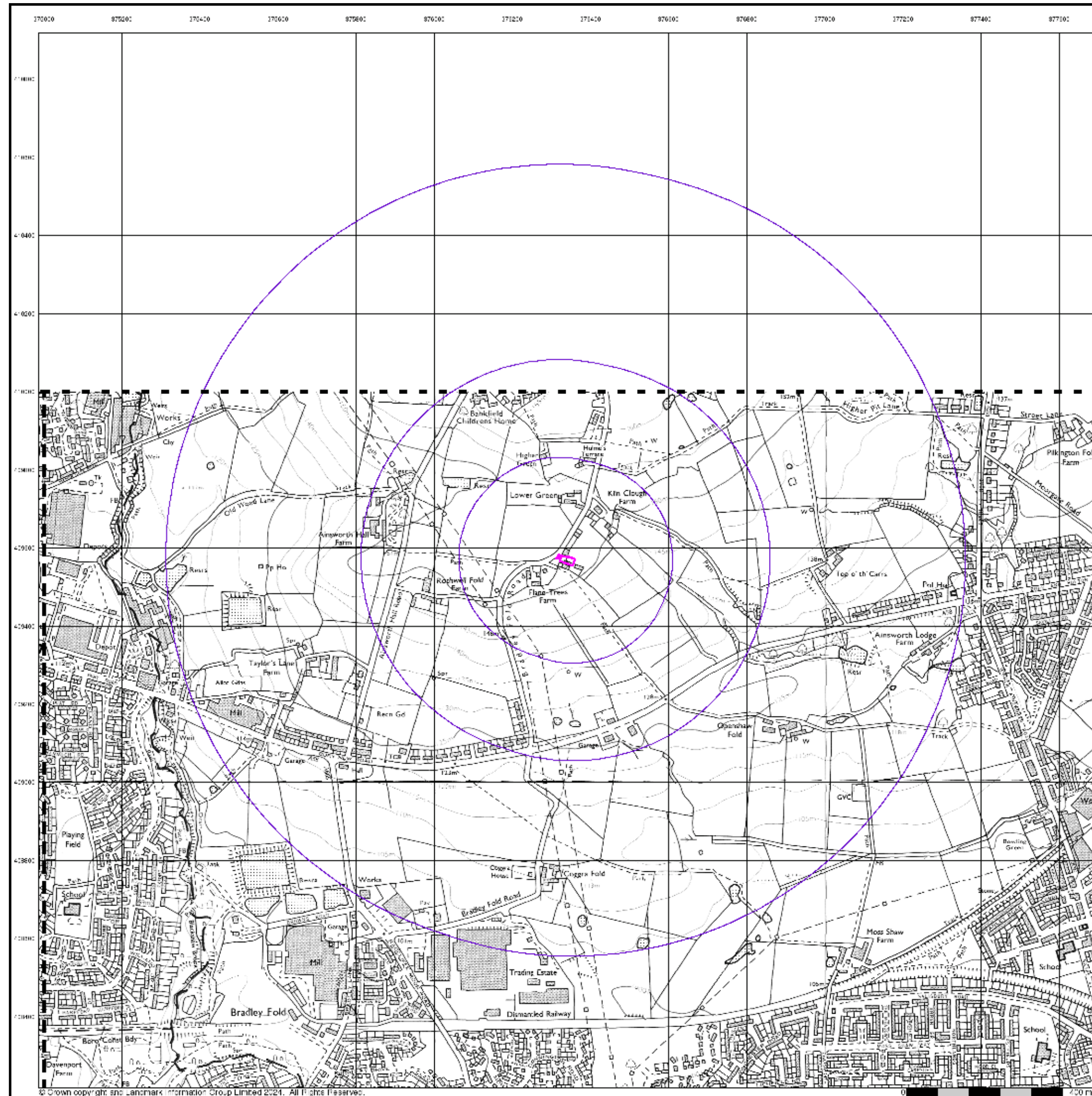
Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

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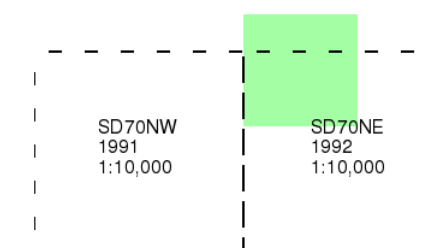
Ordnance Survey Plan

Published 1991 - 1992

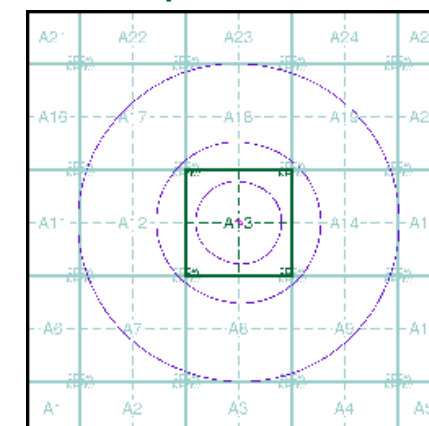
Source map scale - 1:10,000

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

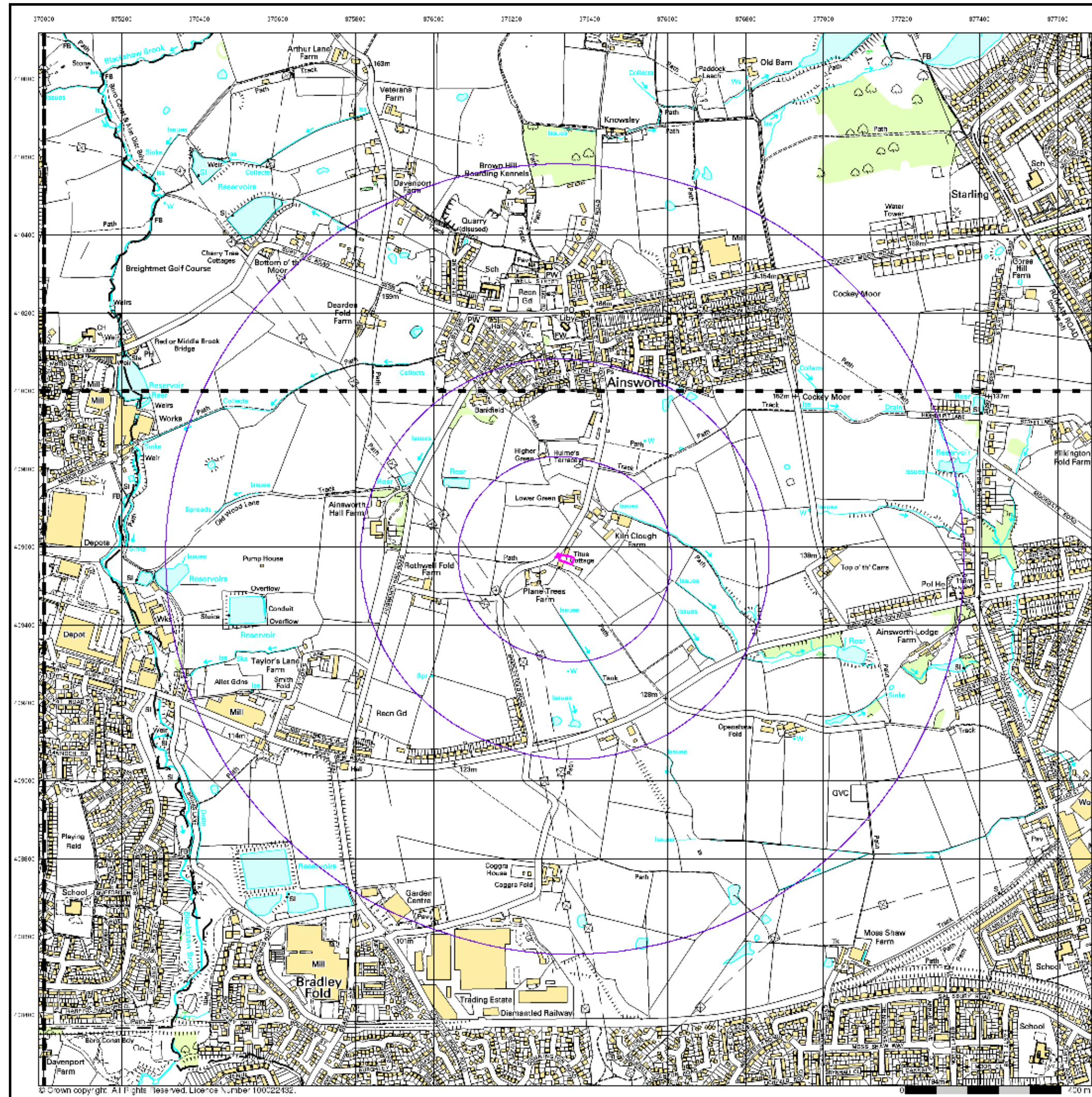
Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

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LK GROUP

10k Raster Mapping

Published 1999

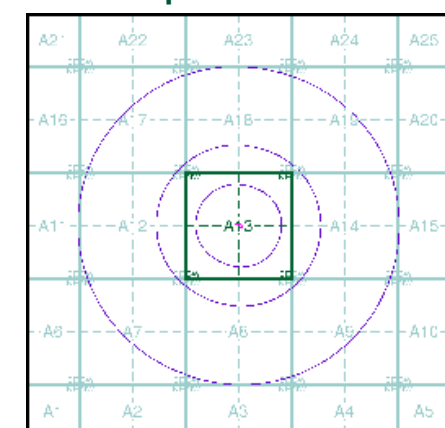
Source map scale - 1:10,000

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)

SD71SW	SD71SE
1999	1999
1:10,000	1:10,000
SD70NW	SD70NE
1999	1999
1:10,000	1:10,000

Historical Map - Slice A

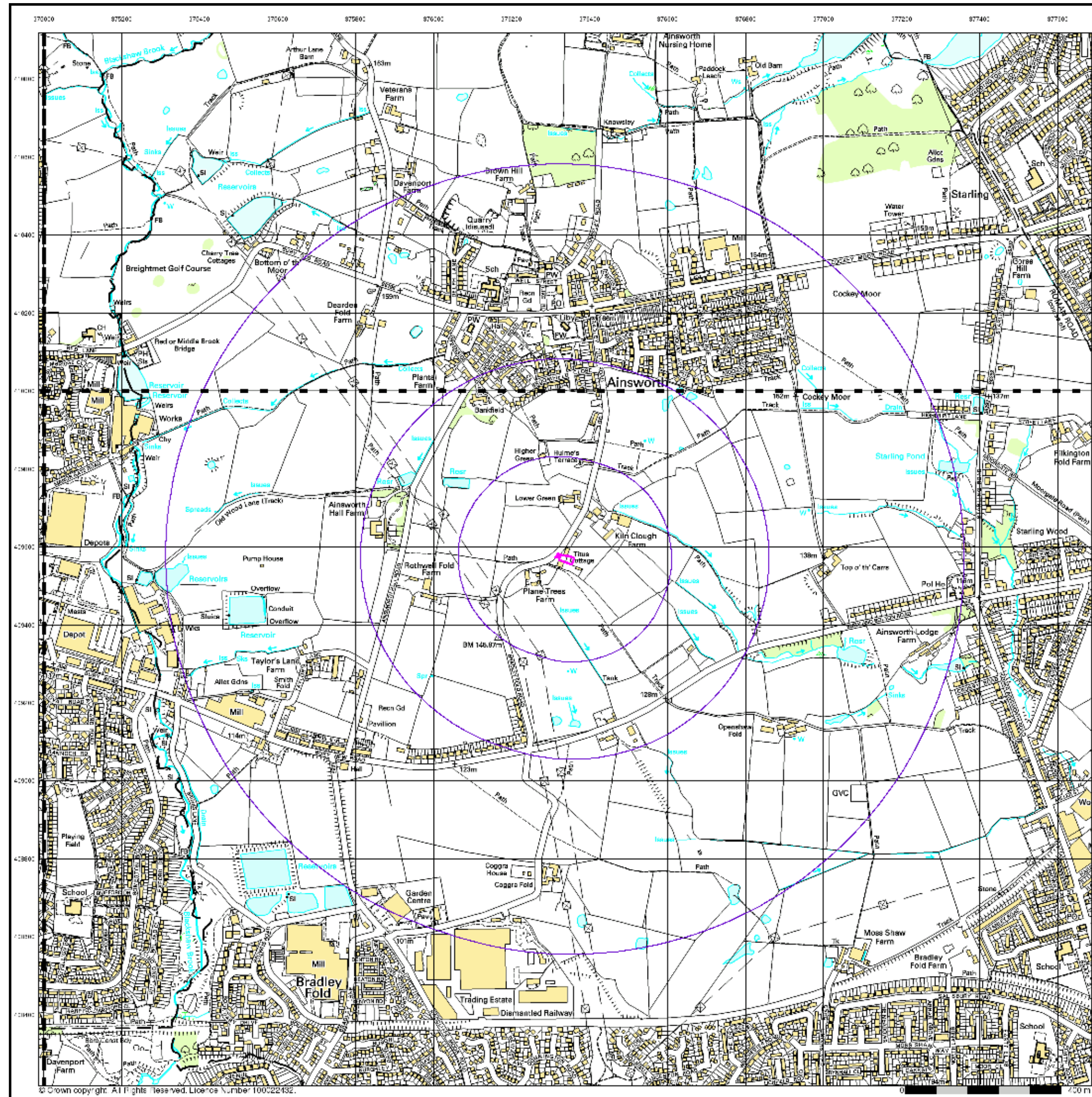


Order Details

Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

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10k Raster Mapping

Published 2006

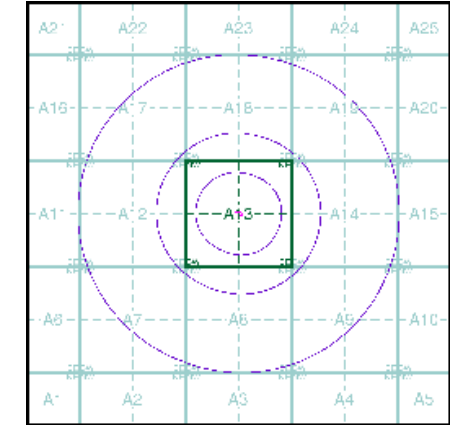
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD71SW	SD71SE
2006	2006
1:10,000	1:10,000
SD70NW	SD70NE
2006	2006
1:10,000	1:10,000

Historical Map - Slice A



Order Details

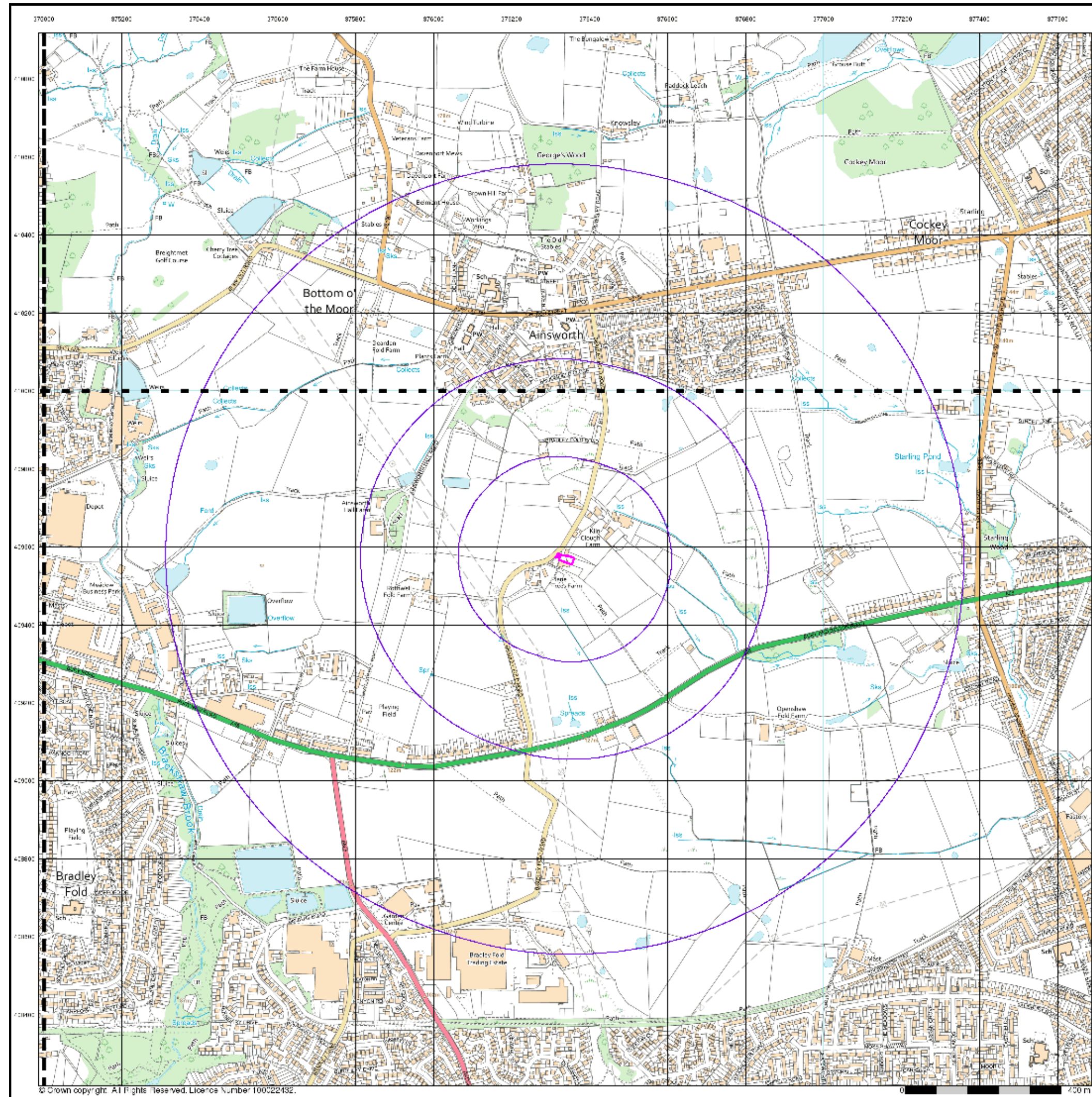
Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester, BL2 5QD



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LK GROUP

VectorMap Local

Published 2024

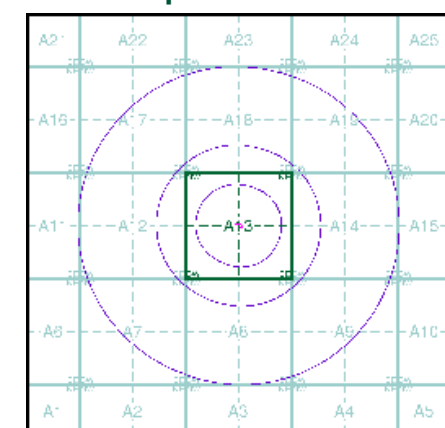
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD71SW	SD71SE
2024	2024
Variable	Variable
SD70NW	SD70NE
2024	2024
Variable	Variable

Historical Map - Slice A



Order Details

Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester, BL2 5QD

Appendix B – Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

354981146_1_1

Customer Reference:

LKC 24 1306

National Grid Reference:

376340, 409570

Slice:

A

Site Area (Ha):

0.07

Search Buffer (m):

1000

Site Details:

Titus Cottage
Bradley Fold Road
Ainsworth
Bury
Greater Manchester
BL2 5QD

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	-
Agency & Hydrological	1
Waste	22
Hazardous Substances	-
Geological	25
Industrial Land Use	36
Sensitive Land Use	42
Data Currency	43
Data Suppliers	49
Useful Contacts	50

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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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes		Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		6		4
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 4				2
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4				6
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 5				1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 6				15 (*12)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 12	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 12	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 13		2	17	59

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 22				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 22				1
Local Authority Landfill Coverage	pg 22	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 22		1	1	10
Potentially Infilled Land (Water)	pg 23		2	1	31
Registered Landfill Sites					
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 25	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 25	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 33		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 35	Yes	n/a	n/a	n/a
Mining Instability	pg 35	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 35	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 35	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 35		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 35		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 36		1	5	31
Fuel Station Entries	pg 39				1
Points of Interest - Commercial Services	pg 39			3	5
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 40			1	8
Points of Interest - Public Infrastructure	pg 40				2
Points of Interest - Recreational and Environmental	pg 41				2
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					
Areas of Adopted Green Belt	pg 42	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	A13NE (W)	0	1	376338 409569
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	293	1	376450 409850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	311	1	376100 409800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	371	1	376250 409200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	387	1	376000 409800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	419	1	376338 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	421	1	375900 409650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	425	1	376250 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	432	1	375900 409700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	446	1	376750 409350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	450	1	375900 409750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	455	1	376338 409100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	464	1	375850 409600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	470	1	375850 409650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	480	1	375850 409700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	497	1	375900 409850
1	Discharge Consents Operator: Mr B Parker Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Titus House Bradley Fold Rd, Ainsworth, Bolton, Lancashire, B12 5qr Authority: Environment Agency, North West Region Catchment Area: Middle Book (Off River Croal) Reference: 01m/685 Permit Version: 1 Effective Date: 24th August 1964 Issued Date: 24th August 1964 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unknown Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13NW (W)	2	2	376321 409569

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Mr. C. Turner Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 1-6 Hulmes Terrace Off Bradley Fold Road, Ainsworth, Nr Bolton, Lancashire, BL2 5qw Authority: Environment Agency, North West Region Catchment Area: Middle Book (Off River Croal) Reference: 0174/8 Permit Version: 1 Effective Date: 23rd July 1974 Issued Date: 23rd July 1974 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Blackshaw Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A13NE (N)	231	2	376400 409800
2	Discharge Consents Operator: Norman Morris & Eileen Morris Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 1-6 Hulmes Terrace Off Bradley Fold Road, Ainsworth, Nr Bolton, Lancashire, BL2 5qw Authority: Environment Agency, North West Region Catchment Area: Middle Book (Off River Croal) Reference: 0174/8 Permit Version: 1 Effective Date: 23rd July 1974 Issued Date: 23rd July 1974 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Blackshaw Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A13NE (N)	231	2	376400 409800
2	Discharge Consents Operator: Ms. B Hilton Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 1-6 Hulmes Terrace Off Bradley Fold Road, Ainsworth, Nr Bolton, Lancashire, BL2 5qw Authority: Environment Agency, North West Region Catchment Area: Middle Book (Off River Croal) Reference: 0174/8 Permit Version: 1 Effective Date: 23rd July 1974 Issued Date: 23rd July 1974 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Blackshaw Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A13NE (N)	231	2	376400 409800
2	Discharge Consents Operator: Stephen Wayne Owen Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 1-6 Hulmes Terrace Off Bradley Fold Road, Ainsworth, Nr Bolton, Lancashire, BL2 5qw Authority: Environment Agency, North West Region Catchment Area: Middle Book (Off River Croal) Reference: 0174/8 Permit Version: 1 Effective Date: 23rd July 1974 Issued Date: 23rd July 1974 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Blackshaw Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A13NE (N)	231	2	376400 409800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Bradley Fold Residents Association Property Type: Not Given Location: 56A - 68 Bradley Fold Road, Ainsworth, BOLTON Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 16992341 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 7th March 1977 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (N)	243	2	376410 409810
3	Discharge Consents Operator: Bury Metropolitan Borough Council Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Ainsworth Bankfield Childrens Home, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016992588 Permit Version: 1 Effective Date: 13th December 1993 Issued Date: Not Supplied Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Blackshaw Brook Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	504	2	376000 409970
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Church Street West Cso Rear Of 87 Church Street, Ainsworth, Radcliffe, Bury, BL2 5rd Authority: Environment Agency, North West Region Catchment Area: Middle Book (Off River Croal) Reference: 016993584 Permit Version: 2 Effective Date: 25th September 2018 Issued Date: 25th September 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Lake/Reservoir - with outlet Environment: Receiving Water: Unnamed Pond Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NE (N)	926	2	376620 410460
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Church Street West Cso Rear Of 87 Church Street, Ainsworth, Radcliffe, Bury, BL2 5rd Authority: Environment Agency, North West Region Catchment Area: Middle Book (Off River Croal) Reference: 016993584 Permit Version: 1 Effective Date: 31st May 2006 Issued Date: 31st May 2006 Revocation Date: 24th September 2018 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Lake/Reservoir - with outlet Environment: Receiving Water: Unnamed Pond Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NE (N)	926	2	376620 410460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Church Street West Cso Rear Of 87 Church Street, Ainsworth, Radcliffe, Bury, BL2 5rd Authority: Environment Agency, North West Region Catchment Area: Middle Book (Off River Croal) Reference: 01BRY0019 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 30th May 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Pond Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A18NE (N)	926	2	376620 410460
5	Prosecutions Relating to Controlled Waters Location: Ainsworth Mill, Ainsworth Mill, Brightmet, BOLTON, BL2 6QL Prosecution Text: Limits Of Abstraction Licence In Breach Resulting In Over-Abstraction Prosecution Act: Wra91 S24(1a) Hearing Date: 4th March 2001 Verdict: Guilty Fine: 2000 Cost: 1011.96 Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	880	2	375545 409145
6	Integrated Pollution Prevention And Control Name: Ainsworth Finishing Company Limited Location: Ainsworth Finishing Co Ltd, Ainsworth Mill, Ainsworth Finishing Co Ltd, Bury New Road, Brightmet., BOLTON, Lancashire, BL2 6QL Authority: Environment Agency, North West Region Permit Reference: Bm9165ik Original Permit Ref: Bm9165ik Effective Date: 7th September 2005 Status: Revoked Application Type: Variation (Normal) App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: COATING, PRINTING AND TEXTILES; PRE-TREATING (BY OPERATIONS SUCH AS WASHING, BLEACHING OR MERCERIZATION) OR DYEING FIBRES OR TEXTILES IN PLANT WITH A TREATMENT CAPACITY OF MORE THAN 10 TONNES PER DAY Primary Activity: Y	A7NW (SW)	875	2	375530 409184
6	Integrated Pollution Prevention And Control Name: Ainsworth Finishing Company Limited Location: Ainsworth Mill, Bury New Road, Brightmet, BOLTON, BL2 6QL Authority: Environment Agency, North West Region Permit Reference: Wp3636sp Original Permit Ref: Bm9165ik Effective Date: 7th September 2005 Status: Revoked Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A7NW (SW)	875	2	375530 409184
7	Local Authority Pollution Prevention and Controls Name: Ainsworth Finishing Co. Location: Bury New Road, Brightmet, BOLTON, Lancashire, BL2 6QL Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: 14 Dated: 1st March 1996 Process Type: Local Authority Air Pollution Control Description: PG6/8 Textile and fabric coating of finishing processes Status: Authorised Positional Accuracy: Automatically positioned to the address	A7NW (SW)	875	4	375530 409184

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Local Authority Pollution Prevention and Controls Name: Ainsworth Finishing co Location: Bury New Road, BOLTON, BL2 6QL Authority: Bolton Metropolitan Borough Council, Environmental Health Department Permit Reference: 20 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/8 Textile and fabric coating of finishing processes Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A7NW (SW)	875	3	375530 409184
8	Local Authority Pollution Prevention and Controls Name: Ainsworth Service Station Location: 81 Church Street, Ainsworth, BURY, Lancashire, BL2 5RD Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: Ps26 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A19NW (NE)	875	4	376806 410323
9	Local Authority Pollution Prevention and Controls Name: Masterbuild Products Ltd Location: Moorside Mill, Church Street, AINSWORTH, BL2 5RD Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: Lappc04-09 Dated: 1st July 2004 Process Type: Local Authority Pollution Prevention and Control Description: PG6/44 Manufacture of coating materials Status: Authorised Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	889	4	376722 410383
10	Local Authority Pollution Prevention and Controls Name: Tarmac Topmix Location: Vale Street, BOLTON, Lancashire, BL2 6QF Authority: Bolton Metropolitan Borough Council, Environmental Health Department Permit Reference: 6 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	983	3	375357 409348
10	Local Authority Pollution Prevention and Controls Name: Tarmac Topmix Location: Vale Street, Brieghtmet, BOLTON, Lancashire, BL2 6QF Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: 4 Dated: 1st March 1993 Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	993	4	375343 409362
	Nearest Surface Water Feature	A13SW (S)	135	-	376324 409424
11	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Jet Washing Wagons - Water Entering Red Rose Forrest Incident Date: 27th November 1998 Incident Reference: SO982072 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Inadequate Construction Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	968	2	376200 408600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Water Abstractions Operator: Pcn Properties Llp Licence Number: 2569003042/R1 Permit Version: 104 Location: Borehole At Premises, Ainsworth Mill Brightmet, Bolton Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Ainsworth Mill, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th August 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	754	2	375560 409550
12	Water Abstractions Operator: Pnc Properties Llp Licence Number: 2569003042 Permit Version: 104 Location: Borehole At Premises, Ainsworth Mill Brightmet, Bolton Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Ainsworth Mill Brightmet Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	754	2	375560 409550
12	Water Abstractions Operator: Ainsworth Finishing Company Ltd Licence Number: 2569003042 Permit Version: 103 Location: Borehole At Premises, Ainsworth Mill Brightmet, Bolton Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Ainsworth Mill Brightmet Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th August 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	754	2	375560 409550
13	Water Abstractions Operator: Ainsworth Finishing Company Ltd Licence Number: 2569003043 Permit Version: 104 Location: Reservoir Fed By Surface Drainage At Premises Ainsworth Mill 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: Lands Ainsworth Mill Brightmet Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th August 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	807	2	375520 409430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Water Abstractions Operator: Ainsworth Finishing Company Ltd Licence Number: 2569003043 Permit Version: 103 Location: Reservoir Fed By Surface Drainage At Premises Ainsworth Mill 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: Ainsworth Mill, Breightmet, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd February 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	807	2	375520 409430
14	Water Abstractions Operator: Ainsworth Finishing Company Ltd Licence Number: 2569003042 Permit Version: 102 Location: Borehole At Premises, Ainsworth Millbreightmet, Bolton Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Ainsworth Mill, Breightmet Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd February 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	814	2	375500 409600
14	Water Abstractions Operator: C.V. Home Furnishings Ltd Licence Number: 2569003042 Permit Version: 101 Location: Borehole At Premises, Ainsworth Millbreightmet, Bolton Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 436 Yearly Rate (m3): 0 Details: At Ainsworth Mill, Breightmet Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NW (W)	814	2	375500 409600
15	Water Abstractions Operator: Ainsworth Finishing Company Ltd. Licence Number: 2569003043 Permit Version: 102 Location: Reservoir Fed By Surface Drainage Atpremises, Ainsworth Mill 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: Ainsworth Mill, Breightmet, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd February 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	817	2	375500 409500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Water Abstractions Operator: Ainsworth Finishing Company Ltd Licence Number: 2569003043 Permit Version: 103 Location: Reservoir Fed By Surface Drainage At premises, Ainsworth Mill 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: Ainsworth Mill, Breightmet, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd February 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SW (W)	817	2	375500 409500
15	Water Abstractions Operator: Ainsworth Finishing Company Licence Number: 2569003043 Permit Version: 101 Location: Reservoir Fed By Surface Drainage At premises, Ainsworth Mill 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): 755 Yearly Rate (m3): 236392 Details: Ainsworth Mill, Breightmet, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th September 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SW (W)	817	2	375500 409500
16	Water Abstractions Operator: C.V. Home Furnishings Ltd Licence Number: 2569003012 Permit Version: 101 Location: Borehole At Premises, Ainsworth Mill Breightmet, Bolton Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 27 Yearly Rate (m3): 8183 Details: At Ainsworth Mill, Breightmet Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	895	2	375500 409200
16	Water Abstractions Operator: Pcn Properties Llp Licence Number: 2569003012/R1 Permit Version: 104 Location: Borehole At Premises, Ainsworth Mill Breightmet, Bolton Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Ainsworth Mill Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th August 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	936	2	375460 409190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Water Abstractions Operator: Pnc Properties Llp Licence Number: 2569003012 Permit Version: 104 Location: Borehole At Premises, Ainsworth Millbrightmet, Bolton Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Ainsworth Mill Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	936	2	375460 409190
16	Water Abstractions Operator: Ainsworth Finishing Company Ltd Licence Number: 2569003012 Permit Version: 103 Location: Borehole At Premises, Ainsworth Millbrightmet, Bolton Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Ainsworth Mill Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th August 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	936	2	375460 409190
16	Water Abstractions Operator: Ainsworth Finishing Company Ltd Licence Number: 2569003012 Permit Version: 102 Location: Borehole At Premises, Ainsworth Millbrightmet, Bolton Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Ainsworth Mill, Brightmet Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd February 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	936	2	375460 409190
	Water Abstractions Operator: Neenah Red Bridge International Limited Licence Number: 2569003051 Permit Version: 103 Location: Cherry Tree & Pimhole R/Voires Fed By Surface Drainage Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Ainsworth, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 2022 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NW (NW)	1159	2	375500 410400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Fibermark Red Bridge International Ltd Licence Number: 2569003051 Permit Version: 102 Location: Cherry Tree & Pimhole R/Voires Fed By Surface Drainage Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Ainsworth, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th June 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NW (NW)	1159	2	375500 410400
	Water Abstractions Operator: Fibermark Red Bridge International Ltd Licence Number: 2569003051 Permit Version: 101 Location: Cherry Tree & Pimhole R/Voires Fed By Surface Drainage Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 218 Yearly Rate (m3): 54600 Details: Land At Ainsworth, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th April 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NW (NW)	1159	2	375500 410400
	Water Abstractions Operator: Rexham Cfp Ltd. Licence Number: 2569003051 Permit Version: 101 Location: Cherry Tree & Pimhole R/Voires Fed By Surface Drainage \$114 Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Land At Ainsworth, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st June 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NW (NW)	1159	2	375500 410400
	Water Abstractions Operator: Neenah Red Bridge International Limited Licence Number: 2569003051 Permit Version: 103 Location: Cherry Tree & Pimhole R/Voires Fed By Surface Drainage Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Ainsworth, Bolton Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 20th January 2022 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NW (NW)	1207	2	375484 410451

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: D M Lord Licence Number: 2569003089 Permit Version: 100 Location: Borehole At Arthur Lane Nurseries Ainsworth Authority: Environment Agency, North West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 110 Yearly Rate (m3): 9092 Details: Land & Prems-Arthur Lane Nurseries Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st May 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SE (NW)	1311	2	375790 410780
	Water Abstractions Operator: Neenah Red Bridge International Limited Licence Number: 2569003051 Permit Version: 103 Location: Cherry Tree And Pimhole Reservoirs Fed By Surface Drainage Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Ainsworth, Bolton Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 20th January 2022 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NW (NW)	1340	2	375397 410552
	Water Abstractions Operator: Brightmet Golf Club Limited Licence Number: 2569003098 Permit Version: 1 Location: Pimhole Reservoir At Redbridge, Bolton Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Brightmet Golf Club Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NW (NW)	1344	2	375400 410560
	Water Abstractions Operator: Fibermark Red Bridge International Ltd Licence Number: 2569003051 Permit Version: 102 Location: Cherry Tree And Pimhole Reservoirs Fed By Surface Drainage Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Ainsworth, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th June 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1373	2	375400 410600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Fibermark Red Bridge International Ltd Licence Number: 2569003051 Permit Version: 101 Location: Cherry Tree And Pimhole Reservoirs Fed By Surface Drainage Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Ainsworth, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th April 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SW (NW)	1373	2	375400 410600
	Water Abstractions Operator: The Elton Cop Dyeing Co Ltd Licence Number: 2569001160 Permit Version: 100 Location: Reservoirs Fed By Elton Brk At Bury Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 3400 Yearly Rate (m3): 852000 Details: Premises At Walshaw Road, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th February 1975 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1751	2	377500 410900
	Water Abstractions Operator: Harwood Golf Club Licence Number: 2569003078 Permit Version: 100 Location: Unnamed Trib Of Blackshaw Brk At Harwood Golf Club And Re Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 11 Yearly Rate (m3): 455 Details: Harwood Golf Club Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th April 1980 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1827	2	375700 411300
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13NE (W)	0	5	376338 409569
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (W)	0	5	376338 409569
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 211.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (S)	135	6	376324 409424
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 273.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	160	6	376462 409694
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (E)	268	6	376621 409509
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	302	6	376625 409421
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 229.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (S)	320	6	376439 409247
22	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	A14NW (E)	340	6	376700 409570
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 221.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	342	6	376702 409568
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	356	6	376346 409200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	OS Water Network Lines Watercourse Form: Marsh Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	396	6	376357 409159
26	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	402	6	376358 409153
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	406	6	376737 409419
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 101.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	408	6	376738 409416
29	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 25.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (NW)	413	6	375957 409783
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (NW)	413	6	375957 409783
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	440	6	376719 409310
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	481	6	376823 409440
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	483	6	376782 409332

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	494	6	376827 409411
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	495	6	376828 409410
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	506	6	376798 409313
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	531	6	376834 409328
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	537	6	376586 409071
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	540	6	376834 409307
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	543	6	376837 409307
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	607	6	376965 409522
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	615	6	376922 409319

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 119.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	622	6	375935 410069
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 170.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	623	6	376623 408994
45	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	A14NW (E)	632	6	376981 409688
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	643	6	376967 409360
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	657	6	376973 409334
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	696	6	376939 409956
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 297.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	701	6	375652 409344
50	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 15.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	703	6	377054 409684
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	703	6	375817 410071

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	717	6	377039 409341
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	717	6	377052 409381
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 284.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	718	6	377069 409686
55	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 10.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	722	6	377041 409332
56	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 60.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	722	6	377041 409332
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	726	6	377057 409366
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 548.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	740	6	375751 410053
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	750	6	376936 410051
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	753	6	375567 409471

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	757	6	377013 409953
62	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	758	6	375563 409471
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	758	6	376628 408848
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	760	6	375561 409472
65	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	761	6	375560 409469
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	772	6	376664 408849
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 292.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	775	6	375556 409738
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	775	6	376673 408849
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	782	6	377096 409307

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 35.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (SE)	790	6	377036 409156
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 351.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	792	6	376711 408848
72	OS Water Network Lines Watercourse Form: Marsh Watercourse Length: 69.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	808	6	377086 409926
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 136.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (SE)	813	6	377069 409168
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	815	6	377128 409300
75	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	A12SW (SW)	847	6	375539 409232
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	849	6	375538 409228
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	853	6	375533 409230
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	877	6	377152 409947

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	883	6	377180 409243
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	889	6	377204 409291
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (NW)	891	6	375889 410360
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	917	6	377227 409274
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	926	6	377206 409947
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	931	6	377265 409791
85	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 100.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	950	6	377265 409284
86	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 19.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	953	6	375361 409555
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	968	6	377325 409642

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	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	A12SW (W)	976	6	375384 409277
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	988	6	375374 409268
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	991	6	376886 408719
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15NW (E)	992	6	377350 409627
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (E)	992	6	377287 409924
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 79.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	998	6	377342 409746
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	998	6	377342 409746

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	Historical Landfill Sites Licence Holder: Not Supplied Location: Ainsworth, Greater Manchester Name: Delph Lodge Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15806 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: C086	A18SE (N)	687	2	376509 410243
96	Historical Landfill Sites Licence Holder: T J Murphy Location: Simister, Ainsworth, Bury, Greater Manchester Name: Delph Lane Quarry / Land at Egypt Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15800 First Input Date: Not Supplied Last Input Date: Not Supplied 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: C122, 01140	A18NW (N)	801	2	376172 410368
97	Licensed Waste Management Facilities (Locations) Licence Number: 400747 Location: Ainsworth Mill, Bury New Road, Breightmet, Bolton, Lancashire, BL2 6QB Operator Name: Laszlo Hamer Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Metal Recycling Site <25000 tps Licence Status: Expired Issued: 6th March 2014 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	A7NW (SW)	891	2	375540 409132
	Local Authority Landfill Coverage Name: Bury Metropolitan Borough Council - Has not been able to supply Landfill data		0	7	376338 409569
98	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (W)	62	-	376252 409567
99	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14SW (E)	483	-	376823 409433
100	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14SW (E)	573	-	376917 409434
101	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14SW (E)	624	-	376981 409507
102	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SE (W)	632	-	375685 409509
103	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NE (SW)	660	-	375868 409087

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A18NE (N)	693	-	376517 410248
105	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A19SW (NE)	778	-	376760 410238
106	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SE (SW)	897	-	375760 408869
107	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SW (S)	902	-	376038 408710
108	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SE (SW)	946	-	375896 408722
109	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SE (SW)	1000	-	375820 408702
110	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A13SW (SW)	42	-	376304 409529
111	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	A13NE (NE)	172	-	376465 409707
112	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A18SW (N)	391	-	376226 409961
113	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	A18SW (N)	530	-	376234 410104
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A12SE (SW)	547	-	375831 409317
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12SE (SW)	552	-	375838 409294
116	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A19SW (NE)	554	-	376763 409951
117	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14NW (E)	586	-	376912 409769
118	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A8NE (SE)	602	-	376627 409019
119	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A7NE (SW)	622	-	375982 409047
120	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18SW (N)	658	-	376235 410234
121	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A18SW (N)	671	-	376132 410225
122	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SW (E)	678	-	376990 409320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	A18NE (N)	707	-	376411 410283
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A9NW (SE)	733	-	376940 409115
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17SE (NW)	751	-	375871 410183
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12SW (W)	792	-	375526 409495
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18NW (N)	829	-	376087 410376
128	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A9NE (SE)	841	-	377099 409165
129	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NW (SW)	851	-	375547 409205
130	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NW (SW)	859	-	375529 409223
131	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A19NW (NE)	881	-	376721 410374
132	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A9NE (E)	884	-	377176 409229
133	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12NW (W)	887	-	375460 409813
134	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A9NE (SE)	916	-	377092 409014
135	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NW (W)	920	-	375426 409813
136	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A7SE (SW)	961	-	375896 408705
137	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A7SE (SW)	964	-	375861 408721
138	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	A12SW (W)	968	-	375357 409426
139	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A14SE (E)	972	-	377289 409286
140	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A19NW (NE)	977	-	376777 410454
141	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7SE (SW)	980	-	375911 408677
142	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A14NE (E)	980	-	377340 409600
143	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A9SW (SE)	982	-	376911 408746

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13NE (W)	0	1	376338 409569
	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:	A13NE (W)	0	1	376338 409569
	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: 200 - 300 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (S)	55	1	376338 409500
	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:	A13NE (NE)	138	1	376459 409668
	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: 200 - 300 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (SE)	285	1	376469 409295
	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:	A13SE (SE)	286	1	376500 409310
	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:	A13NE (NE)	304	1	376539 409818

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (W)	322	1	376000 409500
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (SW)	398	1	376181 409195
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	419	1	376338 410000
	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:	A18SW (N)	420	1	376290 410000
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	449	1	375997 409255
	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:	A8NE (S)	516	1	376500 409060

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	517	1	375864 409319
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	555	1	376338 409000
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	557	1	375800 409358
	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:	A19SW (NE)	567	1	376815 409909
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	574	1	376500 409000
	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:	A17SE (NW)	602	1	375888 410000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (SW)	609	1	376014 409042
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (SW)	609	1	376000 409050
	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:	A12NE (W)	613	1	375717 409717
	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: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (SW)	614	1	376087 409000
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	644	1	377000 409500
	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:	A12SW (W)	656	1	375662 409500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	675	1	377035 409556
	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:	A14NE (E)	680	1	377027 409704
	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:	A18SE (N)	683	1	376550 410227
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	695	1	376772 409000
	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:	A18NE (N)	696	1	376500 410255
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	696	1	377000 409296

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	704	1	377061 409500
	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:	A12NW (W)	708	1	375606 409572
	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:	A18NE (N)	735	1	376598 410266
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	754	1	376500 408815
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	778	1	375890 408920
	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 (N)	783	1	376430 410356

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	784	1	375780 409000
	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:	A18NE (N)	798	1	376548 410348
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	817	1	375500 409500
	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: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	832	1	375500 409400
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	834	1	377149 409302
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	848	1	377157 409282

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 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:	A9NW (SE)	852	1	377000 409000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	858	1	377000 408990
	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:	A18NE (N)	860	1	376500 410422
	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: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	873	1	375873 408819
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (W)	884	1	375500 409227
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	892	1	375530 410000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	914	1	375602 409000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	916	1	376500 408651
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	960	1	377317 409500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	961	1	375868 408721
144	BGS Recorded Mineral Sites Site Name: Plane Trees Location: Ainsworth, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96469 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cannel Rock (South Lancashire) Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NW (W)	72	1	376242 409582
145	BGS Recorded Mineral Sites Site Name: Ainsworth Lodge Location: Ainsworth, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96470 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cannel Rock (South Lancashire) Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (E)	477	1	376817 409436

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
146	BGS Recorded Mineral Sites Site Name: Ainsworth Lodge Location: Ainsworth, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96471 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cannel Rock (South Lancashire) Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (E)	566	1	376912 409447
147	BGS Recorded Mineral Sites Site Name: Rothwells Location: Ainsworth, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96468 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Cannel Rock (South Lancashire) Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (W)	642	1	375673 409525
148	BGS Recorded Mineral Sites Site Name: Ainsworth Quarry Location: Ainsworth, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 256383 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Old Lawrence Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NE (N)	736	1	376505 410294
149	BGS Recorded Mineral Sites Site Name: Ainsworth Quarry Location: Ainsworth, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15301 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NE (N)	759	1	376555 410305
150	BGS Recorded Mineral Sites Site Name: Ainsworth Quarry Location: Ainsworth, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 256384 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Old Lawrence Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NE (N)	774	1	376431 410347
151	BGS Recorded Mineral Sites Site Name: Ainsworth Quarry Location: Ainsworth, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 9806 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	904	1	376090 410455

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (W)	0	8	376338 409569
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (W)	0	-	376338 409569
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	376338 409569
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	376338 409569
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	376338 409569
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	376338 409569
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	376338 409569
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	134	1	376456 409666
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	376338 409569
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	134	1	376456 409666
	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	A13NE (W)	0	1	376338 409569
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	376338 409569

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	Contemporary Trade Directory Entries Name: Kamal Mohammadi Location: Titus House, Bradley Fold Road, Ainsworth, Bolton, BL2 5QR Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	8	-	376341 409585
153	Contemporary Trade Directory Entries Name: Time For You Domestic Cleaning Location: 31, Broomfield Close, Ainsworth, Bolton, BL2 5QY Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	413	-	376256 409989
154	Contemporary Trade Directory Entries Name: Lancashire Transmissions North West Ltd Location: Halfway Service Station, Bury & Bolton Road, Radcliffe, Manchester, M26 4FP Classification: Gearboxes Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	454	-	376445 409111
154	Contemporary Trade Directory Entries Name: J N J Ltd Location: Halfway Service Station, Bury & Bolton Road, Radcliffe, Manchester, M26 4FP Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	454	-	376445 409111
154	Contemporary Trade Directory Entries Name: Lancs Transmissions Ltd Location: Halfway Service Station, Bury & Bolton Road, Radcliffe, Manchester, M26 4FP Classification: Gearboxes Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	454	-	376445 409111
155	Contemporary Trade Directory Entries Name: Travis Perkins Radcliffe Manchester Location: TRAVIS PERKINS, BURY AND BOLTON ROAD, RADCLIFFE, M26 4FP Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	459	-	376516 409126
156	Contemporary Trade Directory Entries Name: Roofline Location: 42, Church Street, Ainsworth, Bolton, BL2 5RT Classification: Cladding Suppliers & Installers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	655	-	376492 410214
156	Contemporary Trade Directory Entries Name: Bolton Enamellers Location: 50, Church Street, Ainsworth, Bolton, BL2 5RT Classification: Enamelling Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	663	-	376511 410218
156	Contemporary Trade Directory Entries Name: Bolton Enamellers Location: 50, Church Street, Ainsworth, Bolton, BL2 5RT Classification: Enamelling Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	663	-	376511 410218
157	Contemporary Trade Directory Entries Name: Stardrops Domestic Services Location: 93, Bury New Road, Brightmet, Bolton, BL2 6QG Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	737	-	375762 409085
158	Contemporary Trade Directory Entries Name: Horizon Condensation Control Location: 4, Moorside Avenue, Ainsworth, Bolton, BL2 5RP Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	739	-	376869 410107
158	Contemporary Trade Directory Entries Name: Bates Builders Location: 4, Moorside Avenue, Ainsworth, Bolton, BL2 5RP Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	739	-	376869 410107

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
159	Contemporary Trade Directory Entries Name: Grace Overseas Location: 423, Bury & Bolton Road, Radcliffe, Manchester, M26 4LJ Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	767	-	377114 409433
160	Contemporary Trade Directory Entries Name: Keepwarm Installations Ltd Location: 65a Bury New Road, Bolton, Lancashire, BL2 6QG Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	783	-	375681 409112
161	Contemporary Trade Directory Entries Name: Caramedic Location: 37, Delph Lane, Bolton, BL2 5PP Classification: Caravans - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	844	-	376059 410384
162	Contemporary Trade Directory Entries Name: George Nightingale & Son Location: Church St, Ainsworth, Bolton, Lancashire, BL2 5RD Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	850	-	376811 410291
162	Contemporary Trade Directory Entries Name: Ainsworth Service Station Ltd Location: 81, Church Street, Ainsworth, Bolton, BL2 5RD Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	875	-	376806 410323
163	Contemporary Trade Directory Entries Name: Axis Sheet Metal & Fabrications Ltd Location: unit 40 Bradley Fold Rd, Bradley Fold, Bolton, Lancashire, BL2 6RL Classification: Metal Products - Fabricated Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SW (S)	873	-	376228 408692
164	Contemporary Trade Directory Entries Name: Ainsworth Finishing Co Ltd Location: Ainsworth Mill, Bury New Road, Brightmet, Bolton, BL2 6QL Classification: Dyers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	875	-	375530 409184
165	Contemporary Trade Directory Entries Name: Bury Road Auto Centre Location: 104a, Bury New Road, Brightmet, BOLTON, BL2 6QB Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	877	-	375570 409110
165	Contemporary Trade Directory Entries Name: Whitefield Motors Location: 106, BURY NEW ROAD, RADCLIFFE, BL2 6QB Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	890	-	375582 409067
165	Contemporary Trade Directory Entries Name: C D Motors Location: 106, Bury New Road, Brightmet, Bolton, BL2 6QB Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	890	-	375582 409068
165	Contemporary Trade Directory Entries Name: First Choice Vehicles Location: 106 Bury New Rd, Brightmet, Bolton, Lancashire, BL2 6QB Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	891	-	375581 409067
166	Contemporary Trade Directory Entries Name: Master Build Products Location: MOORSIDE MILL, CHURCH STREET, AINSWORTH, RADCLIFFE, BL2 5RD Classification: Paint Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	888	-	376743 410372

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	Contemporary Trade Directory Entries Name: Interpolymer Ltd Location: Bradley Fold Road, Bradley Fold, Bolton, BL2 6RL Classification: Chemicals & Allied Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	923	-	376212 408644
167	Contemporary Trade Directory Entries Name: Tailor Made Fabrications Ltd Location: Unit 7, Bradley Fold Trading Estate, Radcliffe Moor Road, Bradley Fold, Bolton, BL2 6RT Classification: Gate Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	960	-	376187 408610
167	Contemporary Trade Directory Entries Name: Engineering Metal Services Ltd Location: Unit 4, Bradley Fold Trading Estate, Radcliffe Moor Road, Bradley Fold, Bolton, BL2 6RT Classification: Aluminium Fabricators Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	960	-	376187 408610
167	Contemporary Trade Directory Entries Name: B & G Location: Unit 15, Bradley Fold Trading Estate, Radcliffe Moor Road, Bradley Fold, Bolton, BL2 6RT Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	960	-	376187 408610
167	Contemporary Trade Directory Entries Name: Plus Polymers Ltd Location: Unit 5, Bradley Fold Trading Estate, Radcliffe Moor Road, Bradley Fold, Bolton, BL2 6RT Classification: Plastics - Raw Materials Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	960	-	376187 408610
167	Contemporary Trade Directory Entries Name: Waltons Of Radcliffe Ltd Location: Unit 14, Bradley Fold Trading Estate, Radcliffe Moor Road, Bradley Fold, Bolton, BL2 6RT Classification: Sheet Metal Working Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	960	-	376187 408610
167	Contemporary Trade Directory Entries Name: Abacus Nw Powder Coatings Location: Unit 15, Bradley Fold Trading Estate, Radcliffe Moor Road, Bradley Fold, Bolton, Lancashire, BL2 6RT Classification: Powder Coatings Status: Active Positional Accuracy: Manually positioned to the address or location	A8SW (S)	960	-	376187 408610
167	Contemporary Trade Directory Entries Name: Elite Leaflet Distribution Location: Unit 11, Bradley Fold Trading Estate, Radcliffe Moor Road, Bradley Fold, Bolton, BL2 6RT Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	960	-	376187 408610
168	Contemporary Trade Directory Entries Name: Mayfran Uk Location: Unit 38, Bradley Fold Trading Estate, Radcliffe Moor Road, Bradley Fold, BOLTON, BL2 6RT Classification: Conveyors & Conveyor Belts Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	938	-	376293 408619
168	Contemporary Trade Directory Entries Name: Cubb Products Ltd Location: Unit 39, Bradley Fold Trading Est, Radcliffe Moor Rd, Bradley Fold, Bolton, Lancashire, BL2 6RT Classification: Plant & Machinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SW (S)	941	-	376308 408616

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
168	Contemporary Trade Directory Entries Name: Mayfran UK Location: Unit 38,Bradley Fold Trading Estate,Bradley Fold Rd, Bradley Fold, Bolton, Lancashire, BL2 6RL Classification: Conveyors & Conveyor Belts Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SW (S)	944	-	376290 408614
169	Contemporary Trade Directory Entries Name: Les Williams & Co Electrical Insulation Ltd Location: Carlton Works, 250, Radcliffe Moor Road, Bolton, BL2 6RE Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	977	-	375837 408719
170	Contemporary Trade Directory Entries Name: Radmoor Car Sales Location: Radcliffe Moor Road, Bolton, BL2 6RE Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	992	-	375904 408667
171	Fuel Station Entries Name: Ainsworth Service Station Location: Church Street , Ainsworth , Bolton, Greater Manchester, BL2 5RD Brand: Bfl Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A19NW (NE)	875	-	376806 410323
172	Points of Interest - Commercial Services Name: P Parket Motors Location: Rothwells Farm, Bradley Fold Road, Radcliffe, BL2 5QS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (W)	339	9	375983 409501
173	Points of Interest - Commercial Services Name: G Reid Location: Halfway Service Station, Bury & Bolton Road, Radcliffe, Manchester, M26 4FP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	454	9	376445 409111
173	Points of Interest - Commercial Services Name: J N J Ltd Location: Halfway Service Station, Bury & Bolton Road, Radcliffe, Manchester, M26 4FP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	454	9	376445 409111
174	Points of Interest - Commercial Services Name: Grace Overseas Location: 423 Bury & Bolton Road, Radcliffe, Manchester, M26 4LJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SE (E)	767	9	377114 409433
174	Points of Interest - Commercial Services Name: Grace Overseas Location: 423 Bury and Bolton Road, Radcliffe, M26 4LJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SE (E)	767	9	377114 409433
175	Points of Interest - Commercial Services Name: W S Motors Location: 106 Bury New Rd, Brightmet, Bolton, Lancashire, BL2 6QB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NW (SW)	891	9	375581 409067
176	Points of Interest - Commercial Services Name: Platinum Precision Sheet Metal Location: Unit 40 Bradley Fold Trading Estate, Radcliffe Moor Road, Bradley Fold, Bolton, BL2 6RT Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A8SW (S)	944	9	376326 408612

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	Points of Interest - Commercial Services Name: Bradley Fold Garage Location: Radcliffe Moor Road, Bolton, BL2 6RE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	993	9	375903 408667
178	Points of Interest - Manufacturing and Production Name: Tank Location: M26 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13SE (S)	319	9	376441 409248
179	Points of Interest - Manufacturing and Production Name: Tank Location: BL2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NW (N)	709	9	376166 410273
180	Points of Interest - Manufacturing and Production Name: Tank Location: BL2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	820	9	375595 409178
180	Points of Interest - Manufacturing and Production Name: Tank Location: BL2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	858	9	375533 409218
181	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: BL2 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A18NW (N)	867	9	376113 410423
181	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: BL2 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	874	9	376106 410428
182	Points of Interest - Manufacturing and Production Name: Factory Location: BL2 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	872	9	376705 410372
183	Points of Interest - Manufacturing and Production Name: The Mill Industrial Estate Location: BL2 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	924	9	375481 409174
184	Points of Interest - Manufacturing and Production Name: Tank Location: BL2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	973	9	376249 408588
185	Points of Interest - Public Infrastructure Name: Sluice Location: BL2 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	854	9	375473 409423
185	Points of Interest - Public Infrastructure Name: Sluice Location: BL2 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	858	9	375469 409423

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	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	A18SW (N)	651	9	376203 410221
186	Points of Interest - Recreational and Environmental Name: Playground Location: Tommy Lane, BL2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SW (N)	653	9	376202 410223

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
187	Areas of Adopted Green Belt Authority: Bury Metropolitan Borough Council Plan Name: Bury Unitary Development Plan Status: Adopted Plan Date: 29th August 1997	A13NE (W)	0	7	376338 409569

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Salford City 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	November 2023 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 2024	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	
Integrated Pollution Controls Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North West Region	July 2024	Quarterly
Local Authority Integrated Pollution Prevention And Control Salford City Council - Environmental Health Department 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	December 2020 February 2015 February 2015 July 2014 July 2014	Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Salford City Council - Environmental Health Department 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	December 2020 February 2015 February 2015 July 2014 July 2014	Annual Rolling Update Not Applicable Not Applicable Annual Rolling Update Not Applicable
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 Salford City Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 March 2015	Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	June 2024	
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 - Head Office Environment Agency - North West Region	May 2023 May 2023	Quarterly
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	

Agency & Hydrological	Version	Update Cycle
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 2024 April 2024 April 2024	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - North West Region	July 2024	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	July 2024	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	May 2024	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	May 2024 May 2024 May 2024	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	March 2006 March 2006 March 2006	Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	April 2018 April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	June 2015 June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Salford City Council Rochdale Metropolitan Borough Council	February 2016 February 2016 February 2016 June 2016 May 2023	Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Salford City Council	February 2016 February 2016 February 2016 February 2016 June 2016	Variable Variable Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	January 2024	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	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	June 2024	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2024	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	June 2024	Quarterly
Points of Interest - Education and Health PointX	June 2024	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2024	Quarterly
Points of Interest - Public Infrastructure PointX	June 2024	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2024	Quarterly
Underground Electrical Cables National Grid	January 2024	Bi-Annually

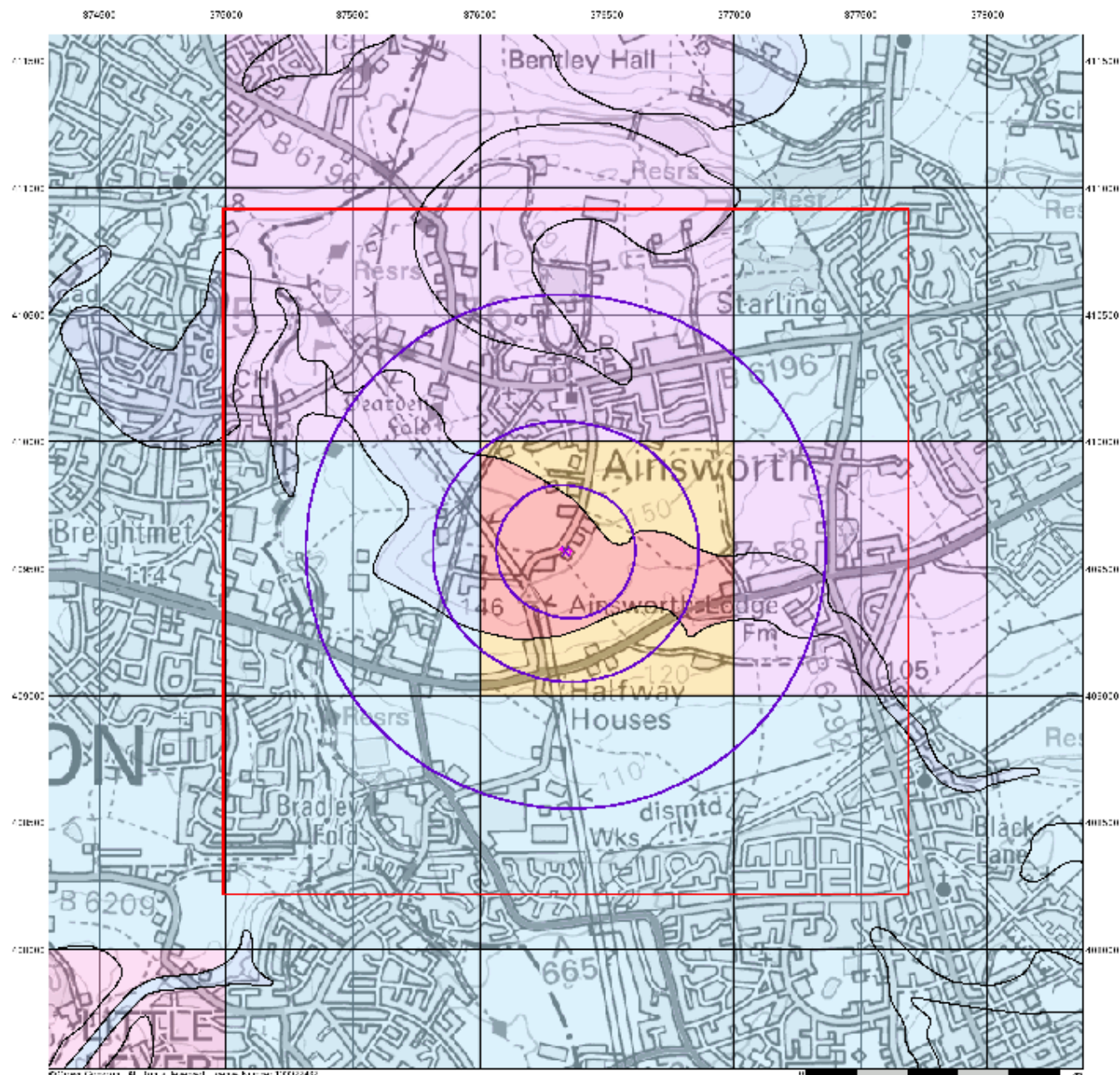
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2024	Bi-Annually
Areas of Adopted Green Belt Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Salford City Council	July 2024 July 2024 July 2024 July 2024 July 2024	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 Salford City Council	July 2024 July 2024 July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	May 2024	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	February 2024	Bi-Annually
Marine Nature Reserves Natural England	February 2024	Bi-Annually
National Nature Reserves Natural England	February 2024	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 April 2024	Bi-Annually
Ramsar Sites Natural England	February 2024	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2024	Bi-Annually
Special Areas of Conservation Natural England	April 2024	Bi-Annually
Special Protection Areas Natural England	April 2024	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	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	Bolton Metropolitan Borough Council - Environmental Health Department Weston House, Weston Street, Bolton, Lancashire, BL3 2AR	Telephone: 01204 336500 Fax: 01204 336599 Website: www.bolton.gov.uk
4	Bury Metropolitan Borough Council - Environmental Health Department 3 Knowsley Place, Duke Street, Bury, Lancashire, BL9 0EJ	Telephone: 0161 253 5000 Fax: 0161 253 5563 Website: www.bury.gov.uk
5	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
6	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
7	Bury Metropolitan Borough Council Craig House, Bank Street, Bury, Lancashire, BL9 0DN	Telephone: 0161 253 5000 Fax: 0161 705 5290 Website: www.bury.gov.uk
8	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
9	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	Bolton Metropolitan Borough Council Town Hall, The Wellsprings, Bolton, Lancashire, BL1 1US	Telephone: 01204 522311 Fax: 01204 392808 Website: www.bolton.gov.uk
11	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.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.



GROUP

Groundwater Vulnerability

General

Search Buffer
 Slice
 Bedrock Buffer Point
 Bedrock Buffer Point

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

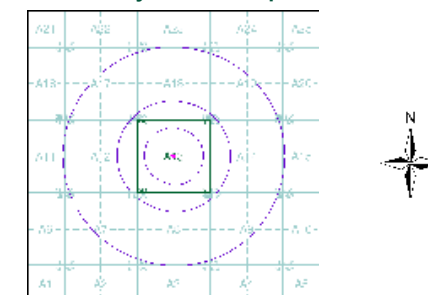
Superficial Aquifers

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

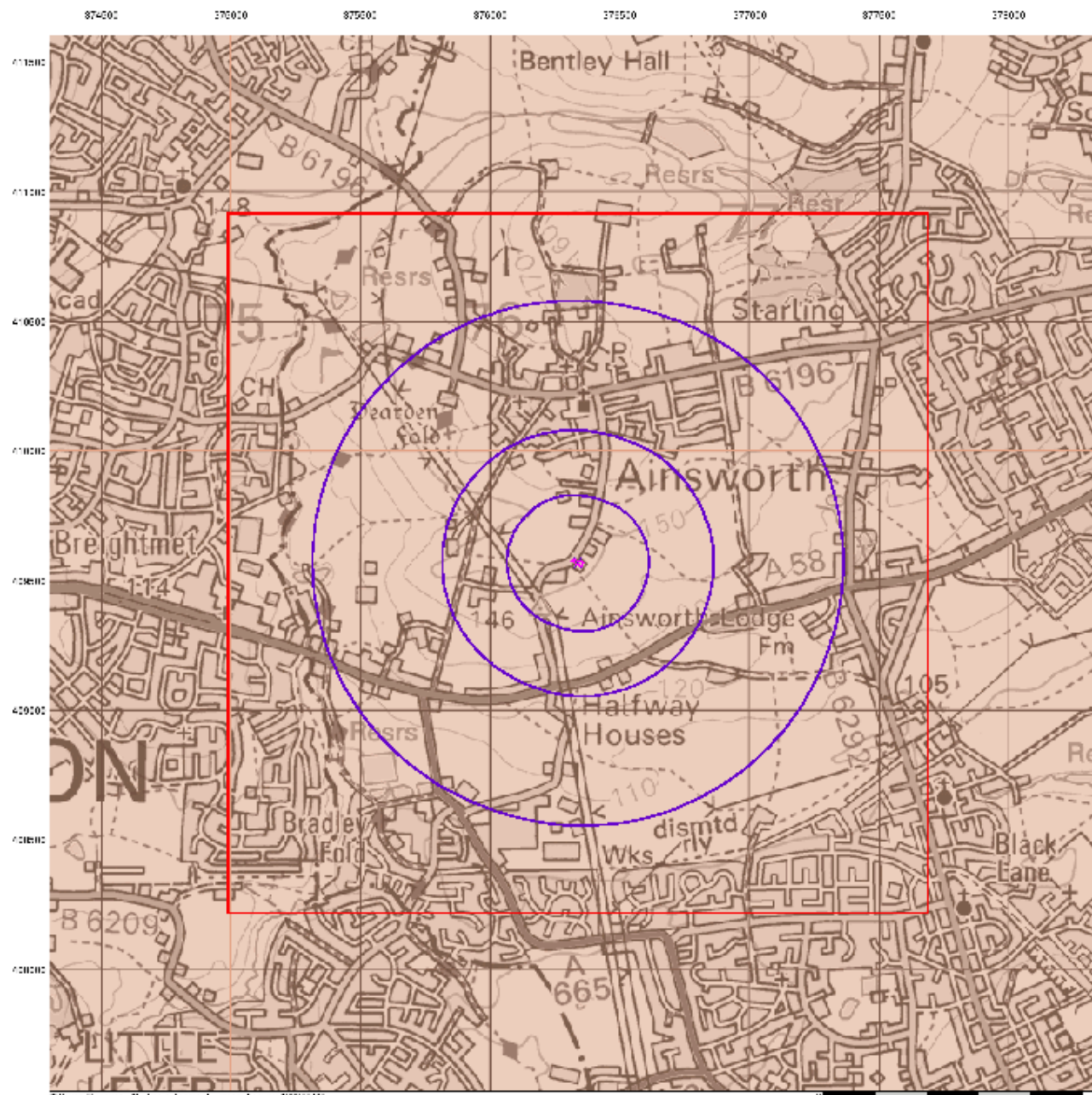
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 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester, BL2 5QD



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GROUP

Bedrock Aquifer Designation

General

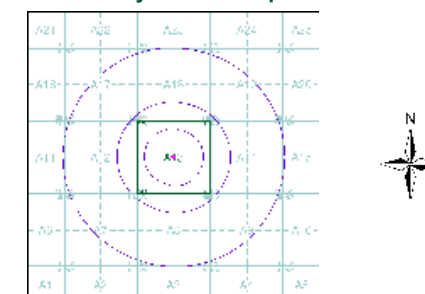
- ✱ Boundary Line
- Search Buffer
- ✱ Bedrock Point
- Site
- Road

Agency and Hydrological

Geological Classes

- Fractured Aquifer
- Permeable A. Unit
- Permeable B. Unit
- Secondary Unconsolidated
- Unproductive Strata
- Unknown
- Unknown (area and land use)

Site Sensitivity Context Map - Slice A



Order Details

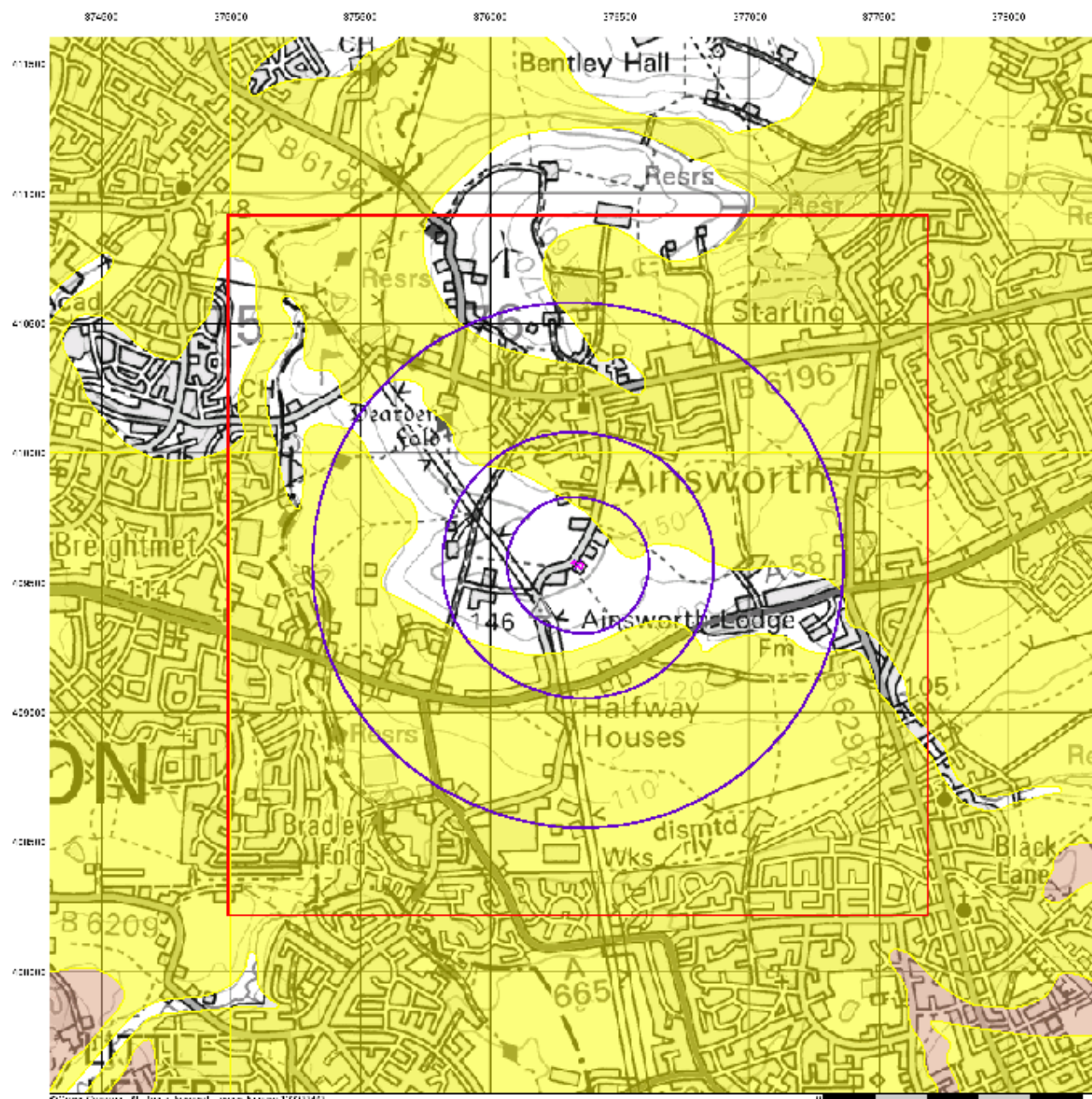
Order Number: 354981146_1_1
 Customer Ref: LKC 24 1306
 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

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GROUP

Superficial Aquifer Designation

General

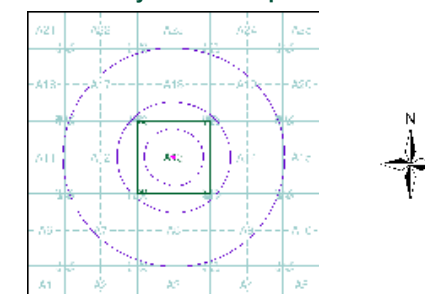
- ✱ Boundary Line
- Search Buffer (m)
- ✕ Existing Reference Point
- Slice
- Road

Agency and Hydrological

Geological Classes

- Productive Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (moor and landslip)

Site Sensitivity Context Map - Slice A



Order Details

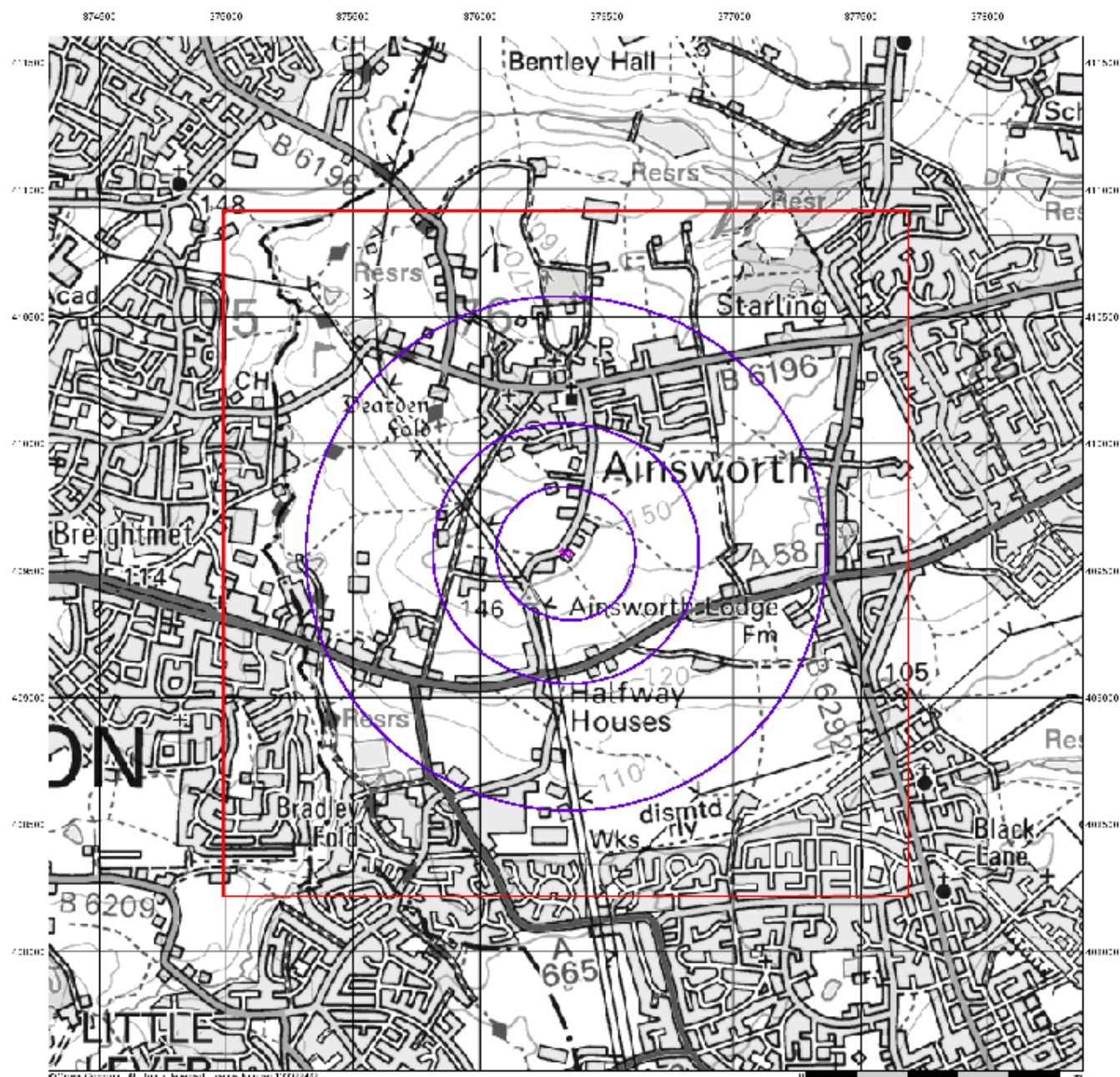
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 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

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GROUP

Source Protection Zones

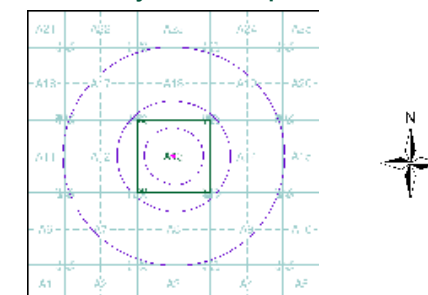
General

- | | | | | | |
|---|--------------|---|--------------------|---|----------------------|
|  | Location ID: |  | Size (for Buffer): |  | End of Buffer Point: |
|  | Size: |  | Tag: | | |

Agency and Hydrological

-  Inset: $\alpha = \tilde{\alpha} = 0$
-  Increasing substrate reactivity (more α)
-  Decreasing α (more $\tilde{\alpha}$)
-  Side zone: substrate effects only (no α)
-  Inset: $\alpha = \text{Inset } \tilde{\alpha} = 0$
-  Inset: $\alpha = \text{Inset } \alpha = \text{Inset } \alpha$ (no $\tilde{\alpha}$)
-  Special interest (no α)

Site Sensitivity Context Map - Slice A



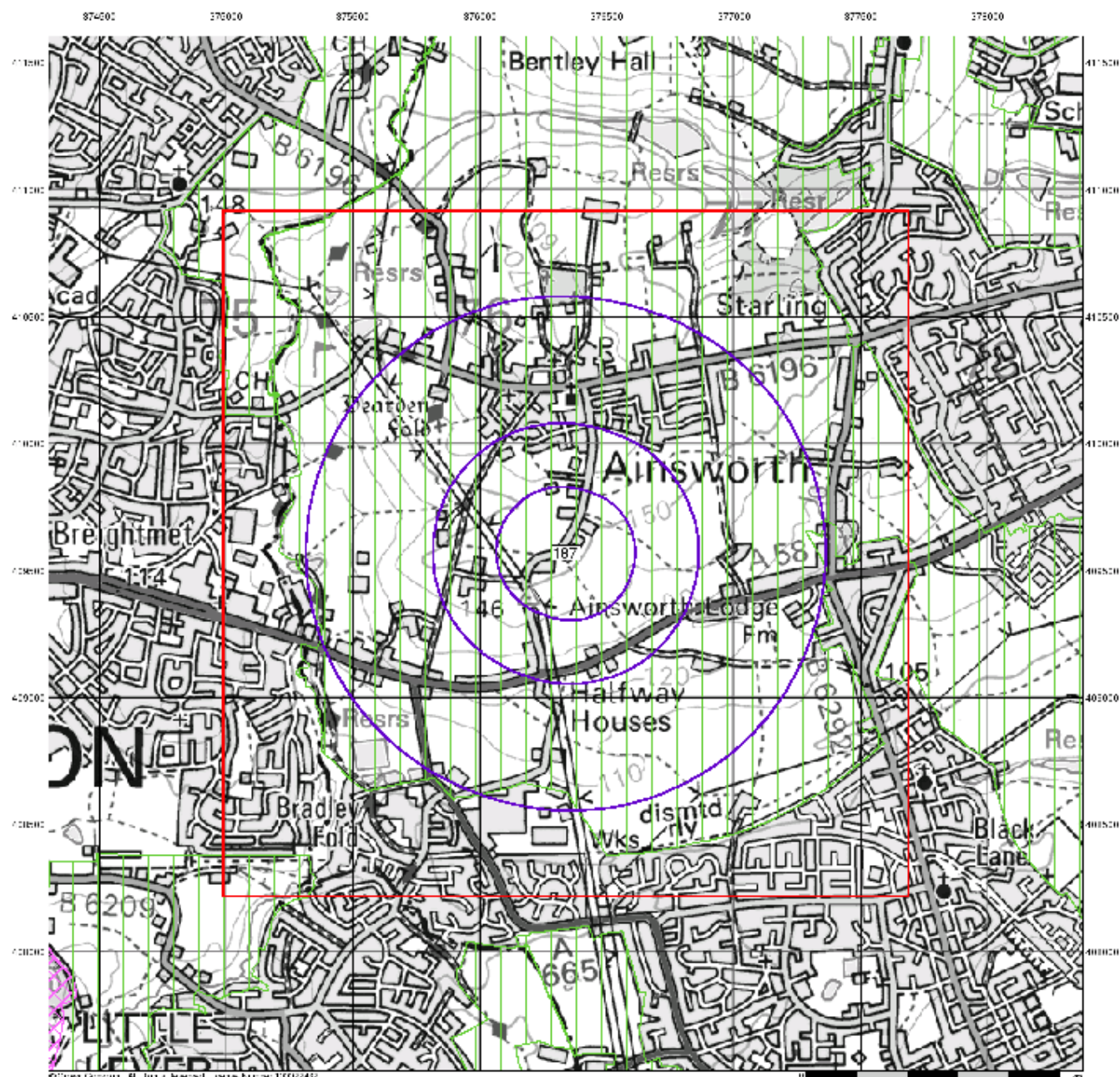
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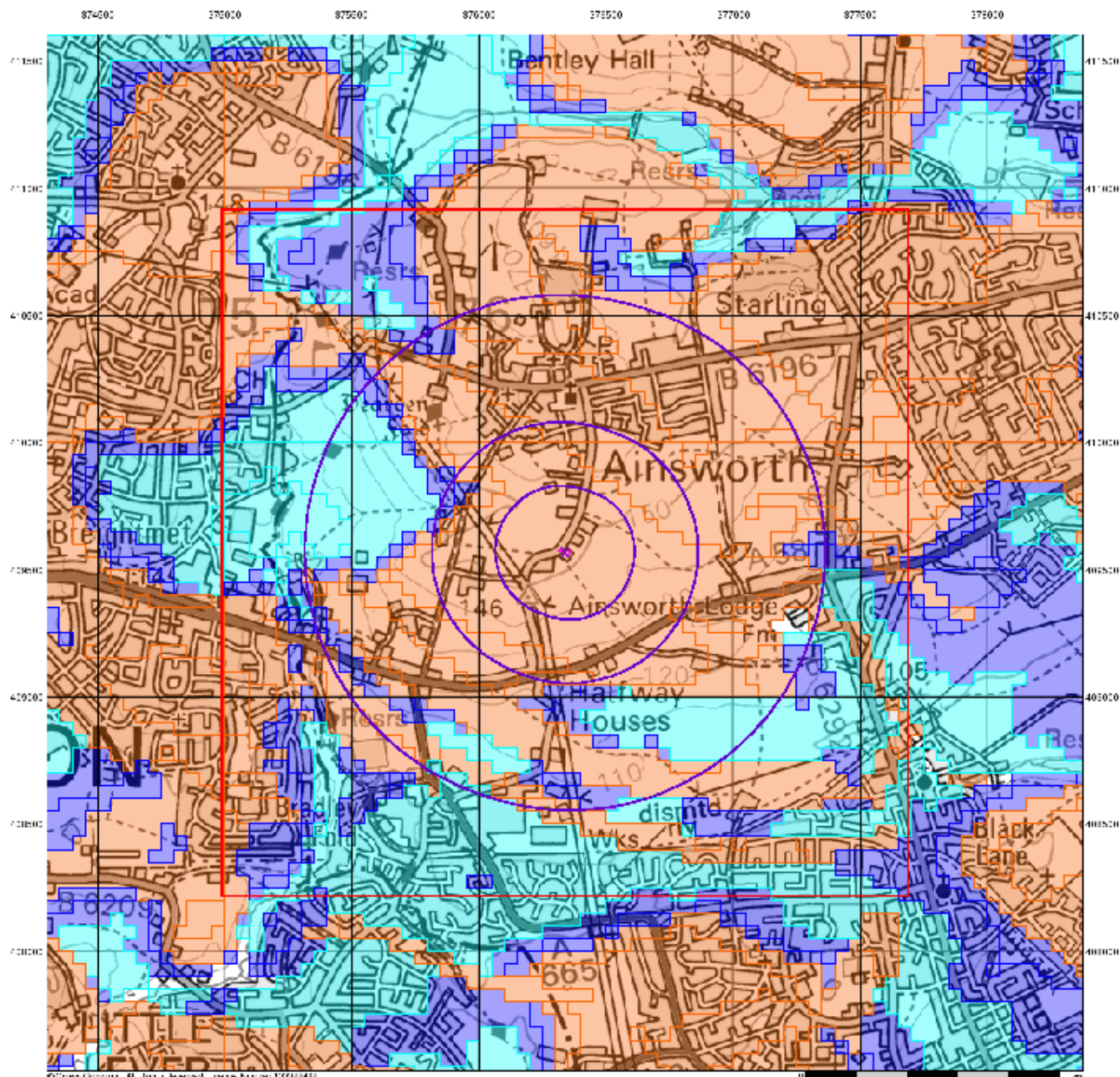
Site Details

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BL2 5QD

Landmark
INFORMATION GROUP



Landmark
INFORMATION GROUP



BGS Flood GFS Data

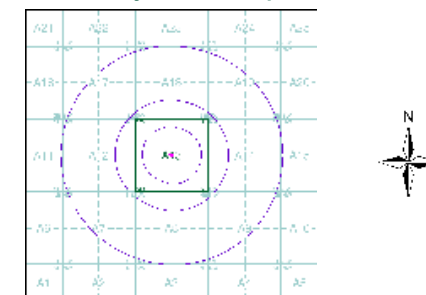
General

- Location ID
- Search Buffer (m)
- Ending Reference Point
- Site

Agency and Hydrological (Flood)

- Unmet Potential for Groundwater Flooding - Core
- Potential for Groundwater Flooding of Trenches Situated Below Ground Level
- Potential for Groundwater Flooding - Ground Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 354981146_1_1
 Customer Ref: LKC 24 1306
 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

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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
	WGR	Worked Ground (Undivided)	Void	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
	GLDDD	Glaciolacustrine Deltaic Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GLLDD	Glaciolacustrine Deposits, Devensian	Clay and Silt	Not Supplied - Devensian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	PMCM	Pennine Middle Coal Measures Formation	Sandstone	Not Supplied - Westphalian
	PR	Peel Hall Rock	Sandstone	Not Supplied - Westphalian
	CAR	Cannel Rock (South Lancashire)	Sandstone	Not Supplied - Westphalian
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	OL	Old Lawrence Rock	Sandstone	Not Supplied - Westphalian
	PLCM	Pennine Lower Coal Measures Formation	Sandstone	Not Supplied - Westphalian
	TRBR	Trencherbone Rock	Sandstone	Not Supplied - Westphalian

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



Geology 1:50,000 Maps

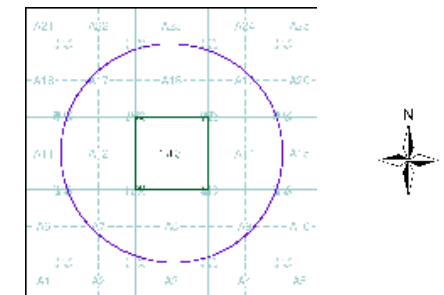
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

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

Geology 1:50,000 Maps - Slice A



Order Details:

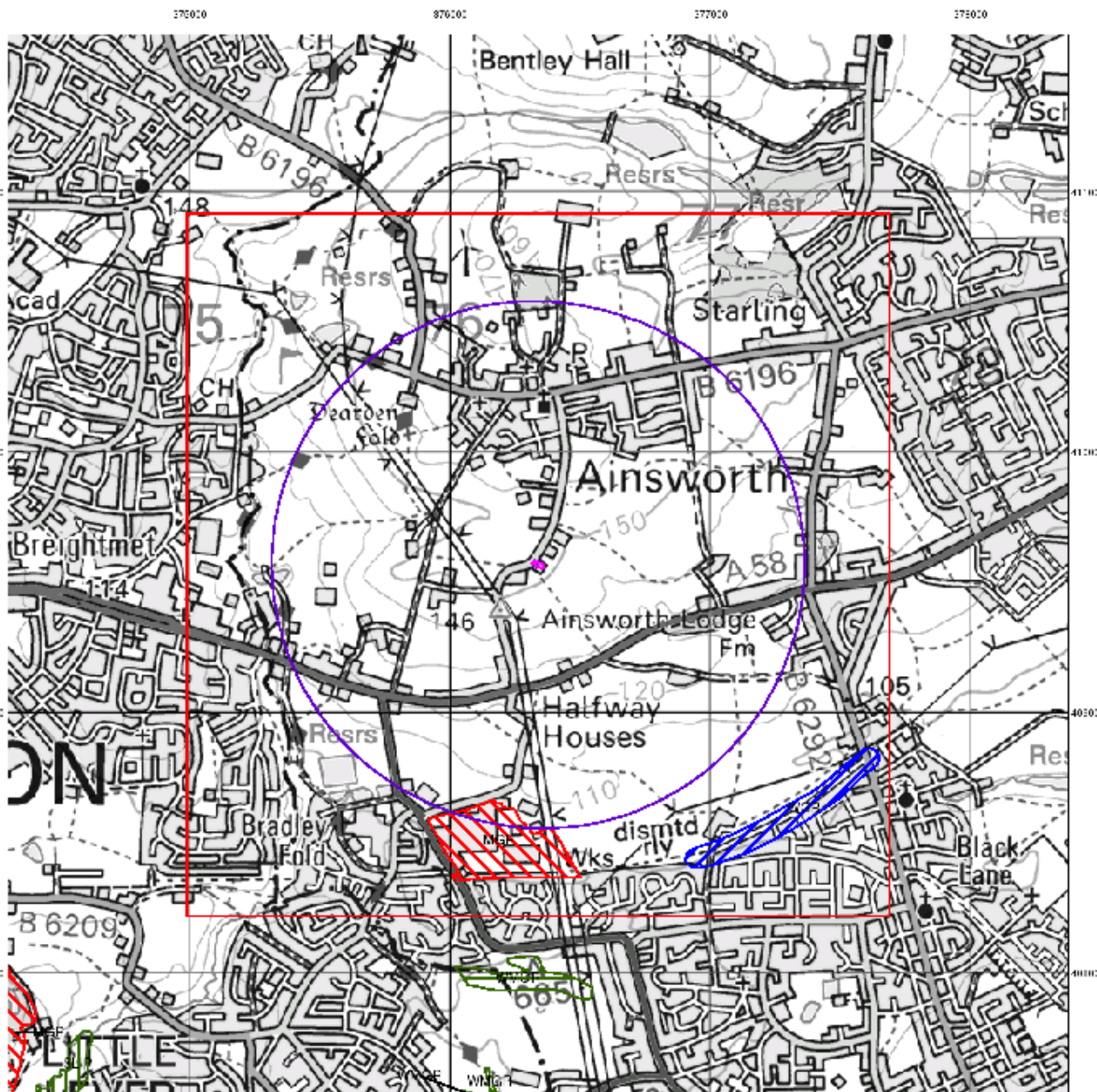
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Customer Reference:	LKC 24 1306
National Grid Reference:	376340, 409570
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

Site Details:

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Artificial Ground and Landslip

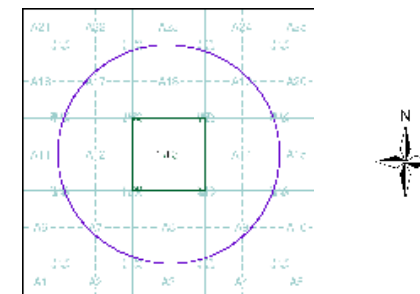
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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



Order Details:

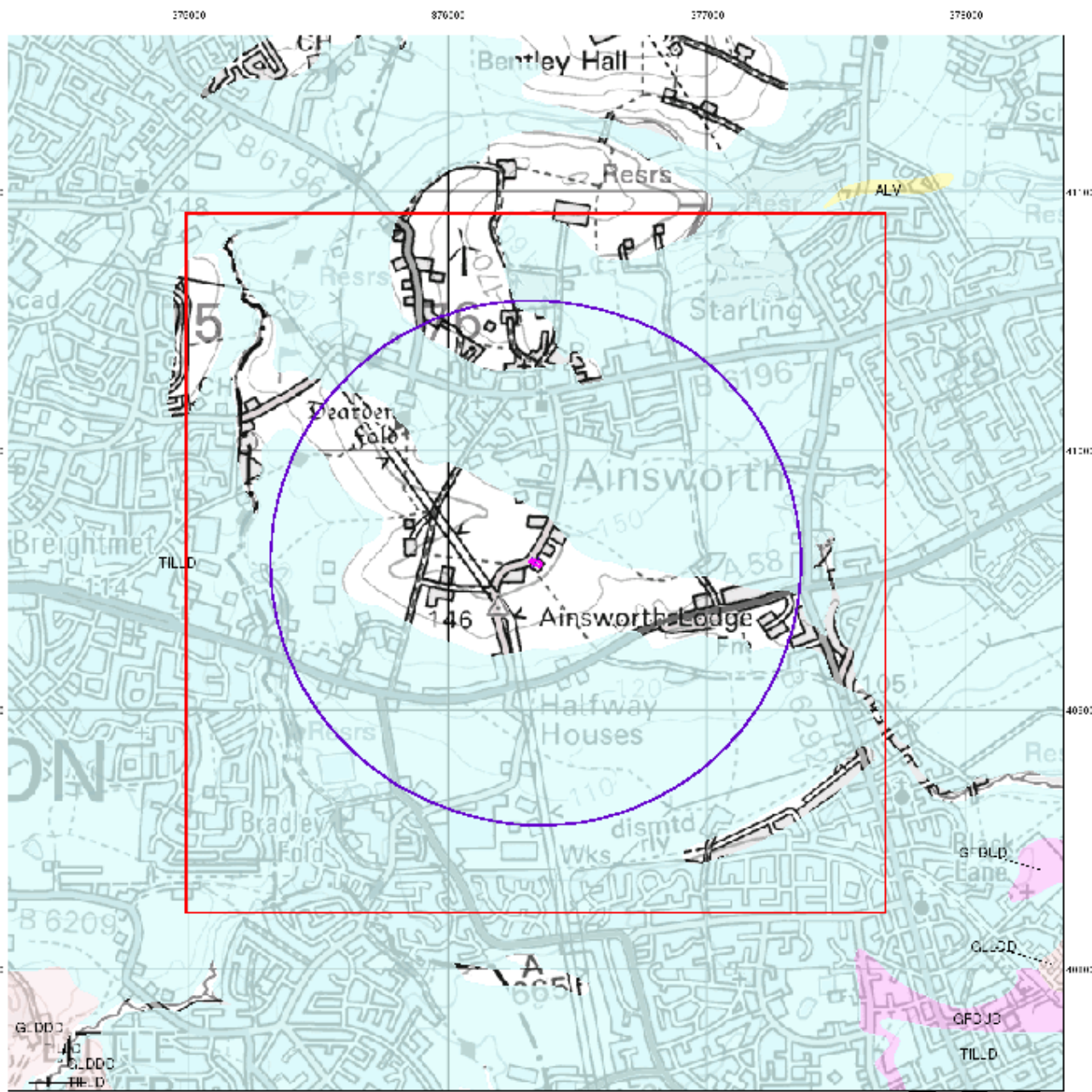
Order Number: 354981146_1_1
 Customer Reference: LKC 24 1306
 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details:

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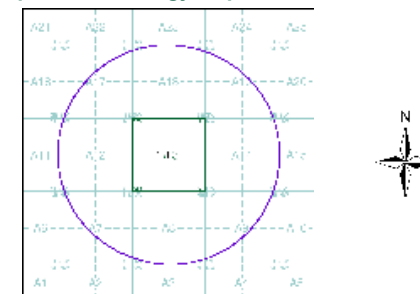
Superficial Geology

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



Order Details:

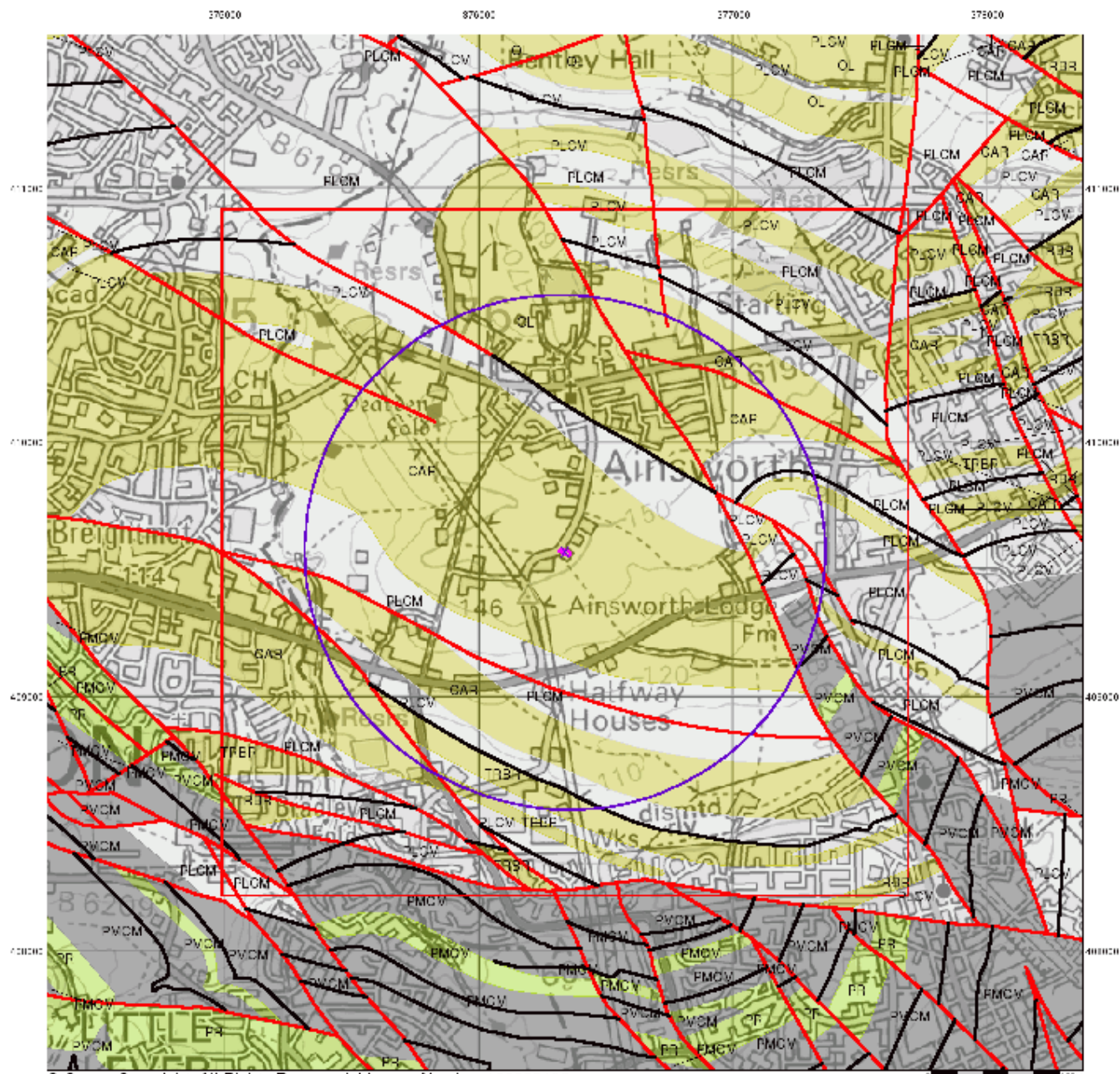
Order Number: 354981146_1_1
 Customer Reference: LKC 24 1306
 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details:

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Bedrock and Faults

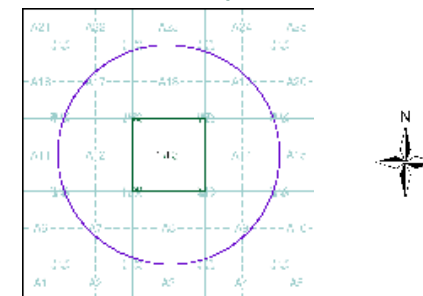
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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



Order Details:

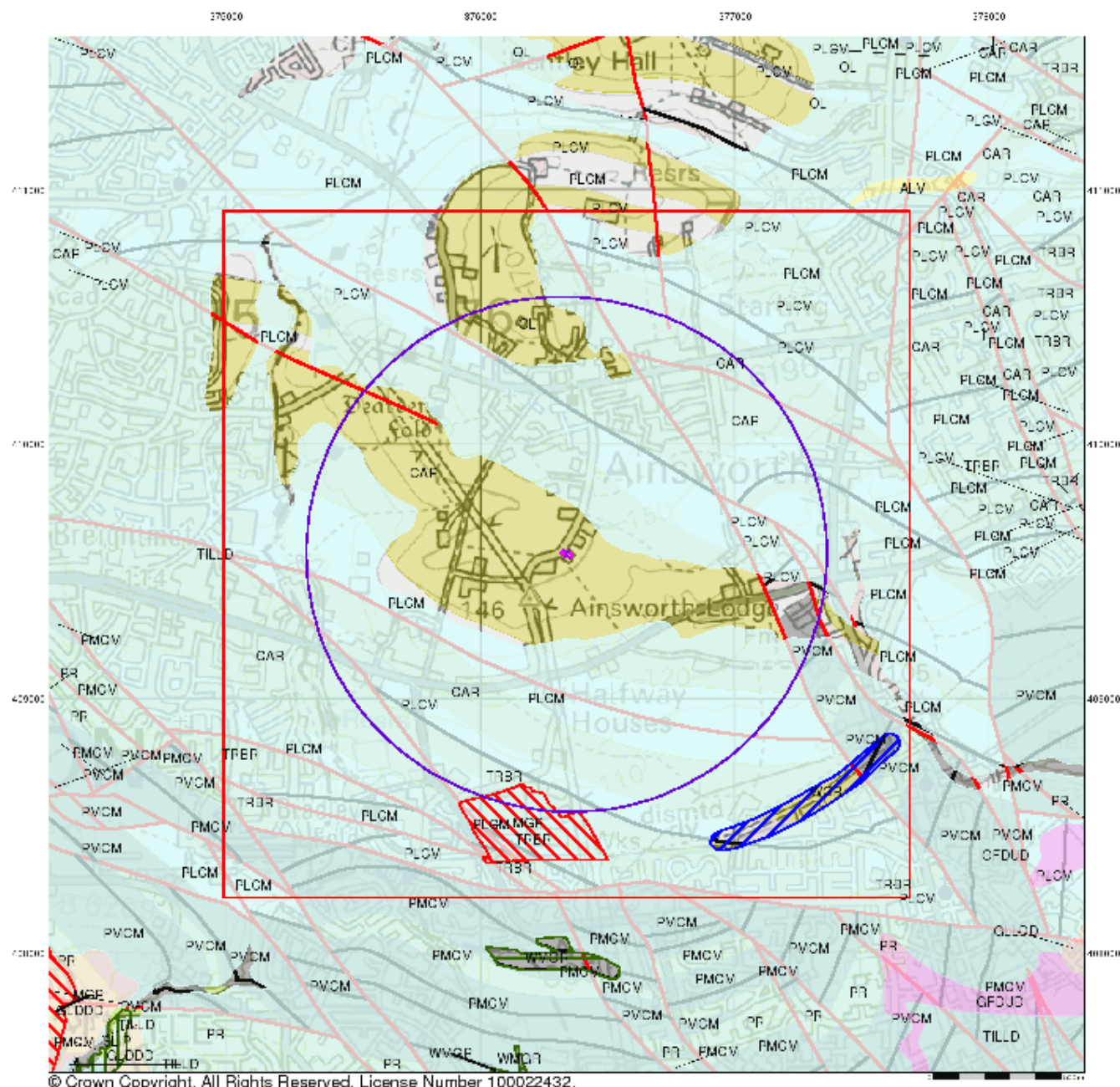
Order Number: 354981146_1_1
 Customer Reference: LKC 24 1306
 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

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.

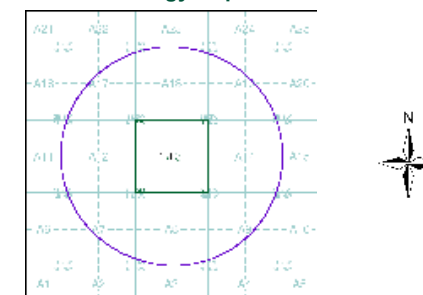
Additional Information

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



Order Details:

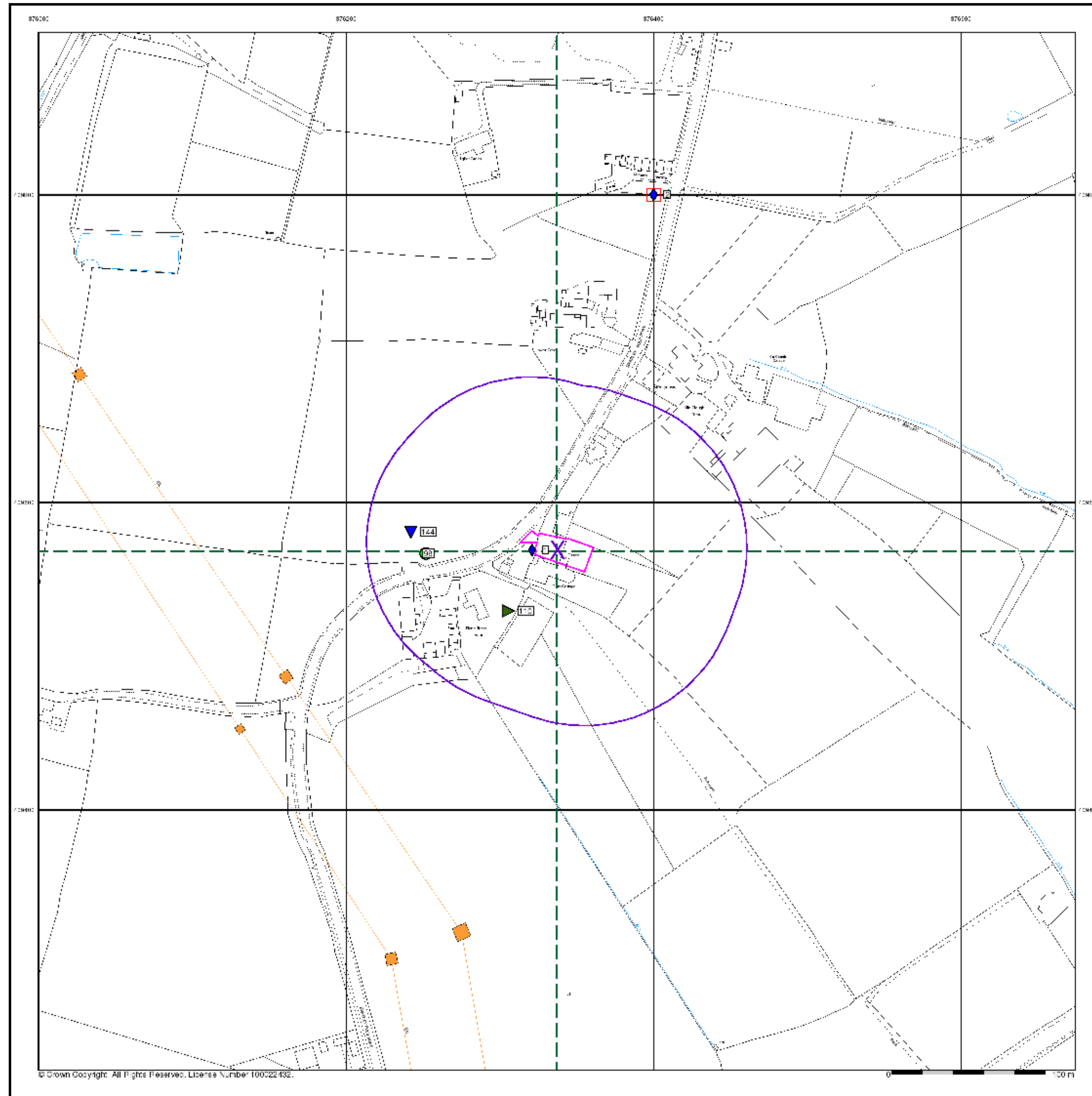
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Customer Reference: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details:

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General

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

Agency and Hydrological

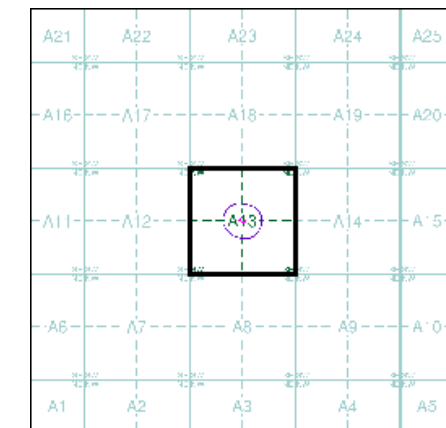
- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- 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
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

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

Geological

Site Sensitivity Map - Segment A13



Order Details

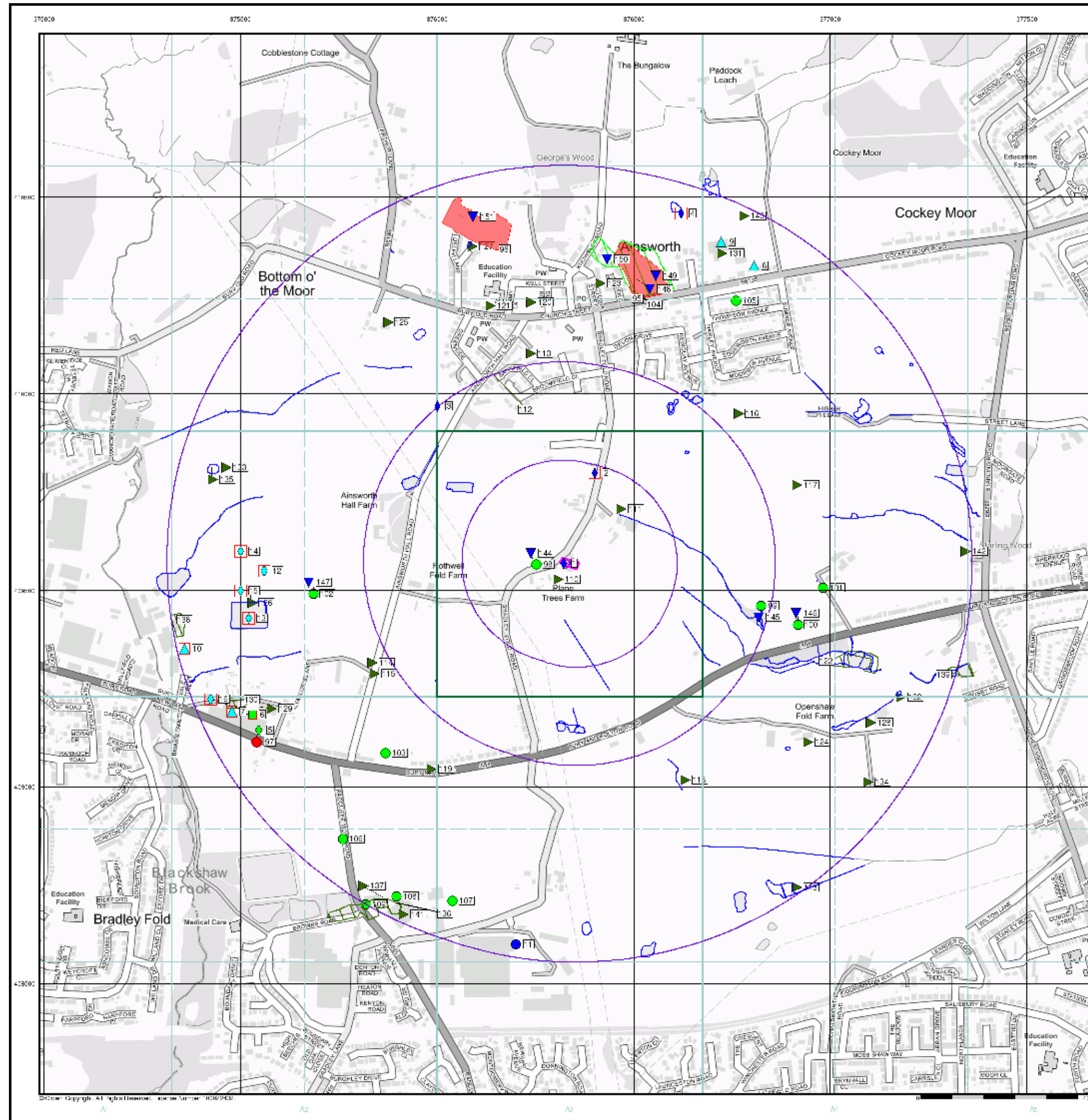
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Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Plot Buffer (m): 100

Site Details

Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester, BL2 5QD

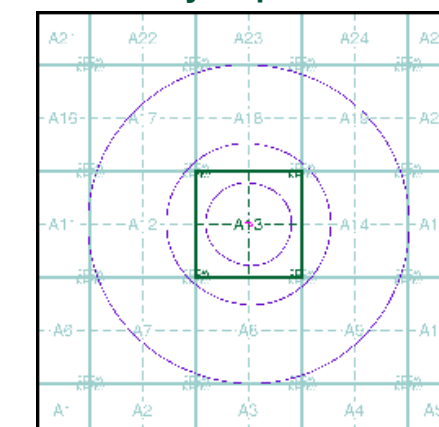


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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention and 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
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- 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

Site Sensitivity Map - Slice A



Order Details

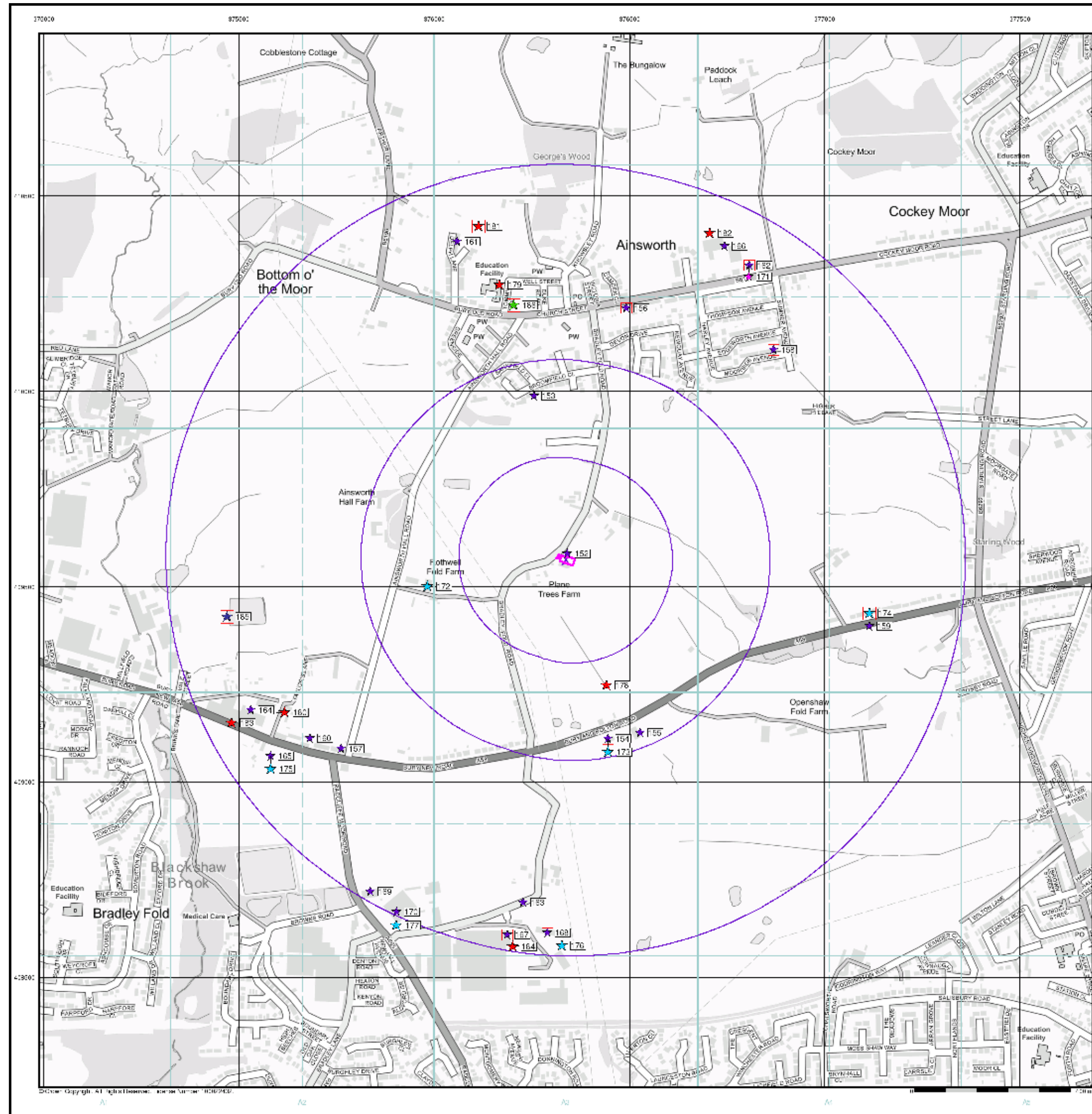
Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

Titus Cottage, Bradley Fold Road, Ainsworth, Bury, Greater Manchester, BL2 5QD



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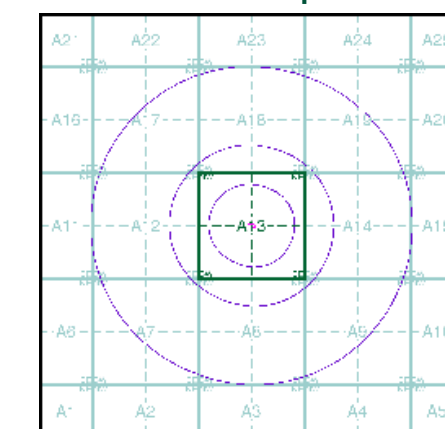
General

- 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

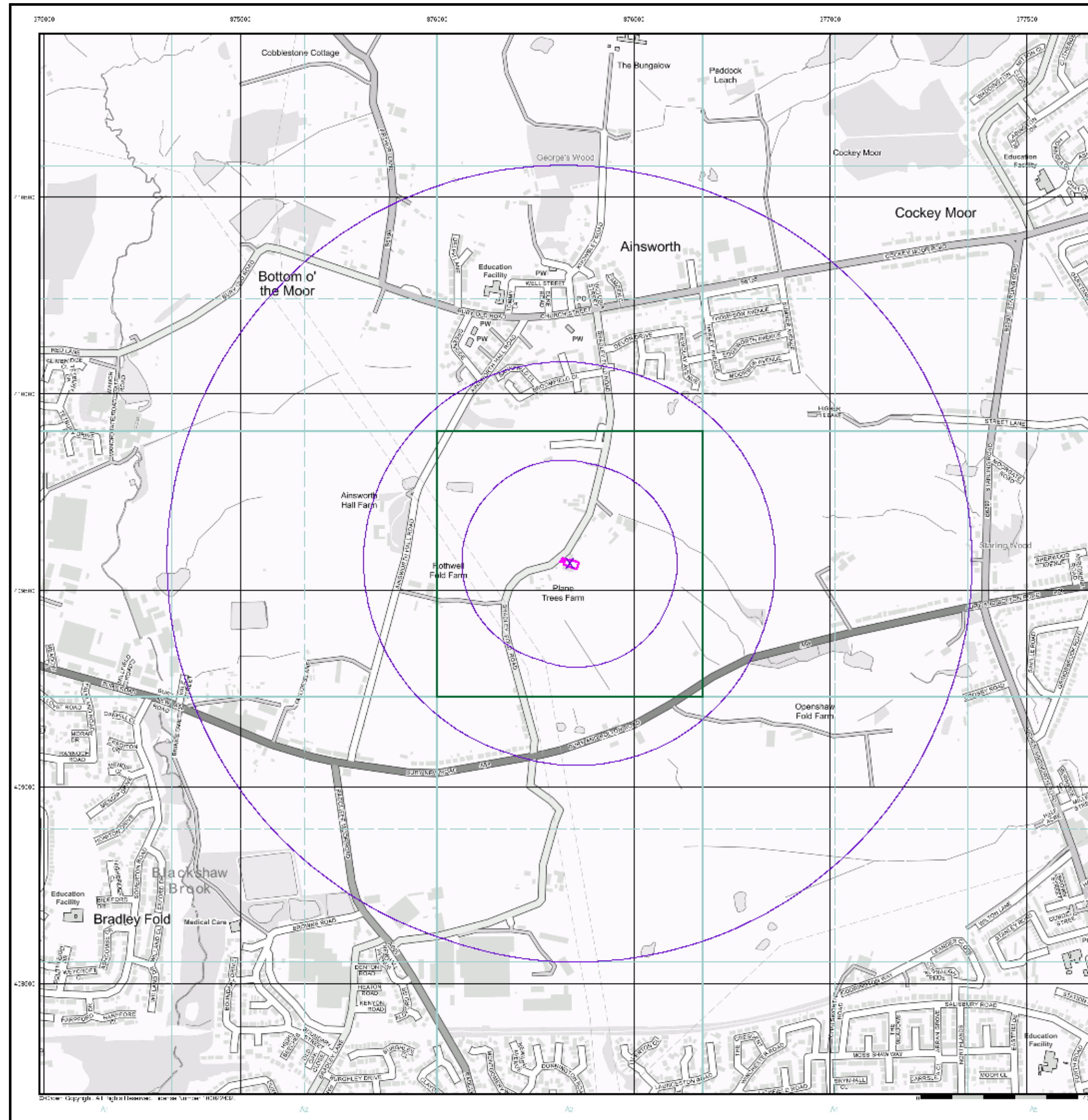


Order Details

Order Number: 354981146_1_1
Customer Ref: LKC 24 1306
National Grid Reference: 376340, 409570
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

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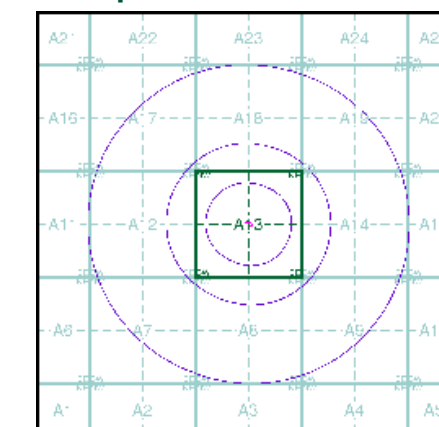
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

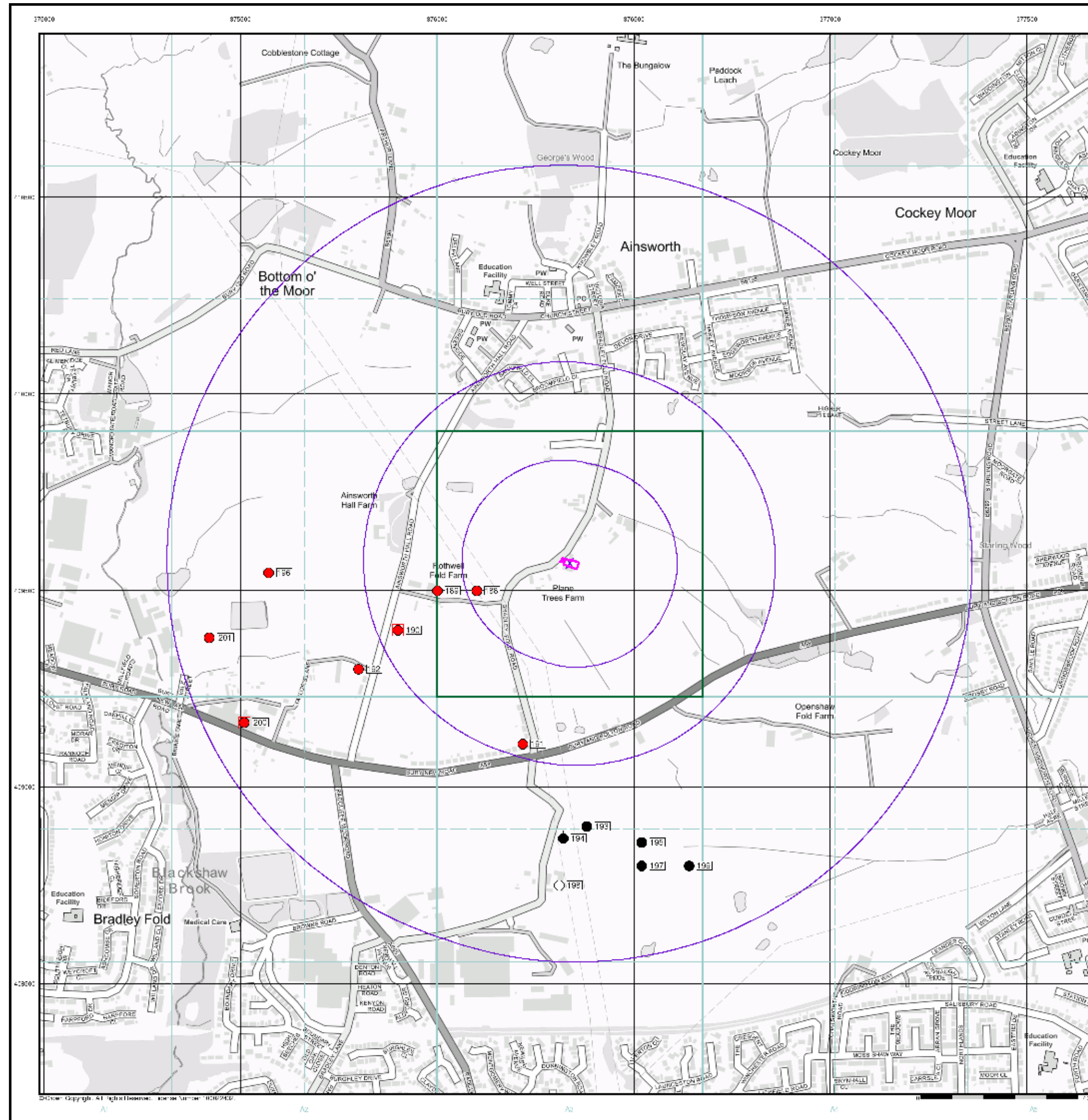
Order Number: 354981146_1_1
 Customer Ref: LKC 24 1306
 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

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General

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

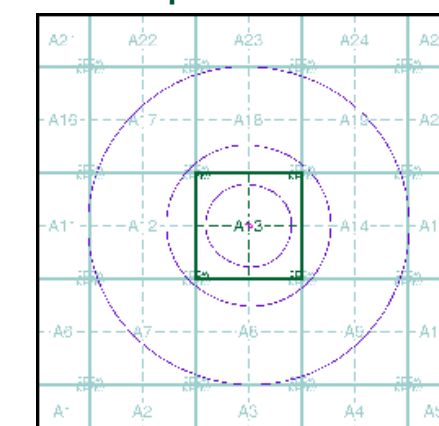
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

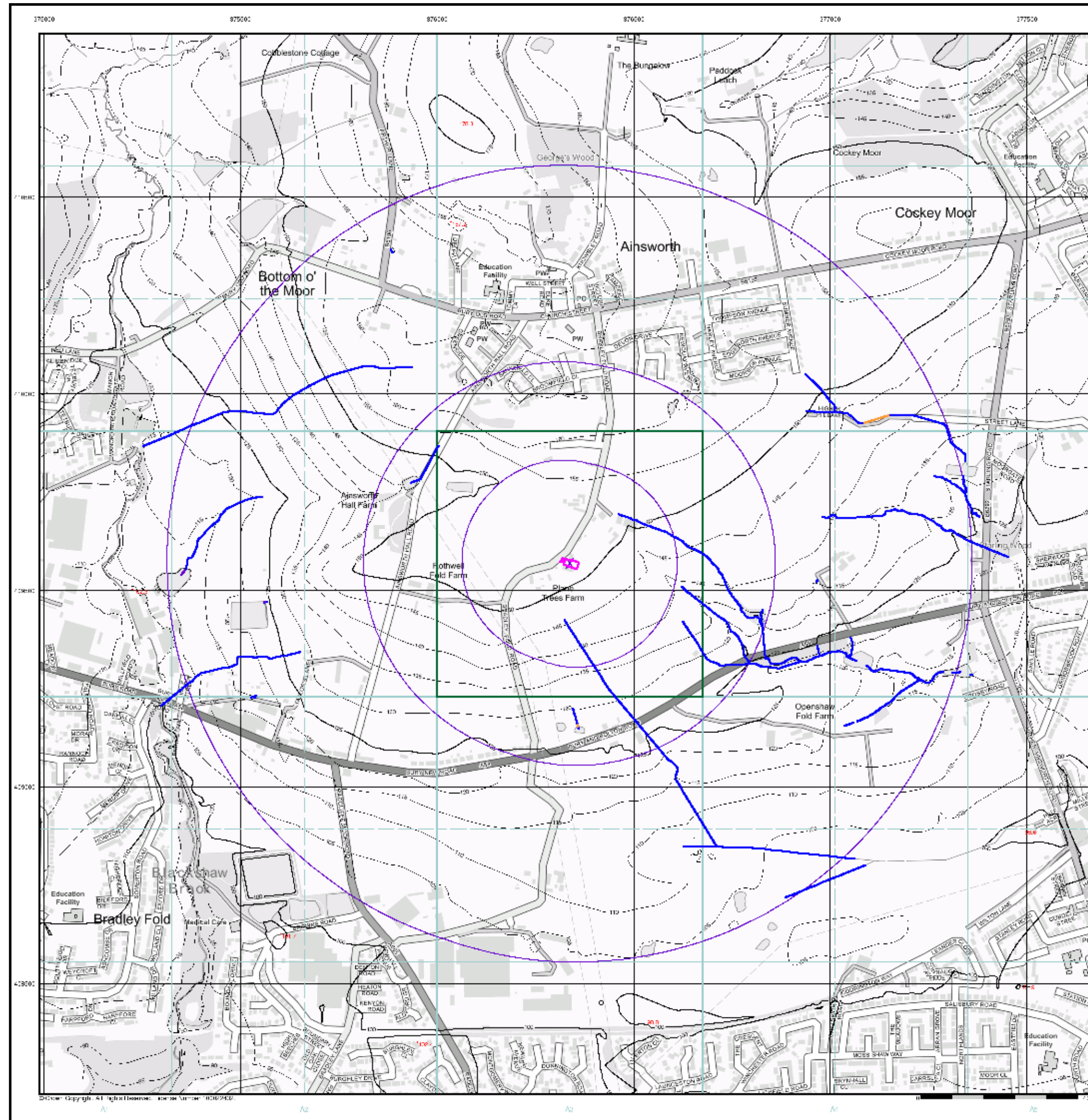
Order Number: 354981146_1_1
 Customer Ref: LKC 24 1306
 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

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General

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

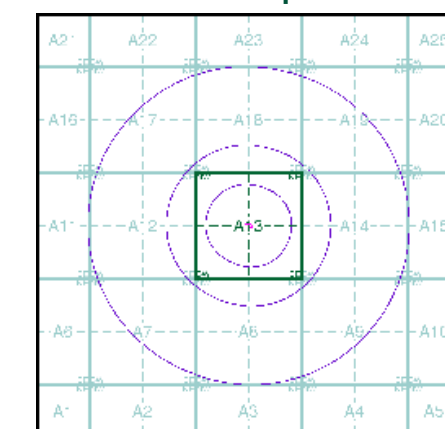
OS Water Network Data

- | | |
|--------------|-------------------------|
| 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
- Mean Low Water
- Mean High Water

OS Water Network Map - Slice A



Order Details

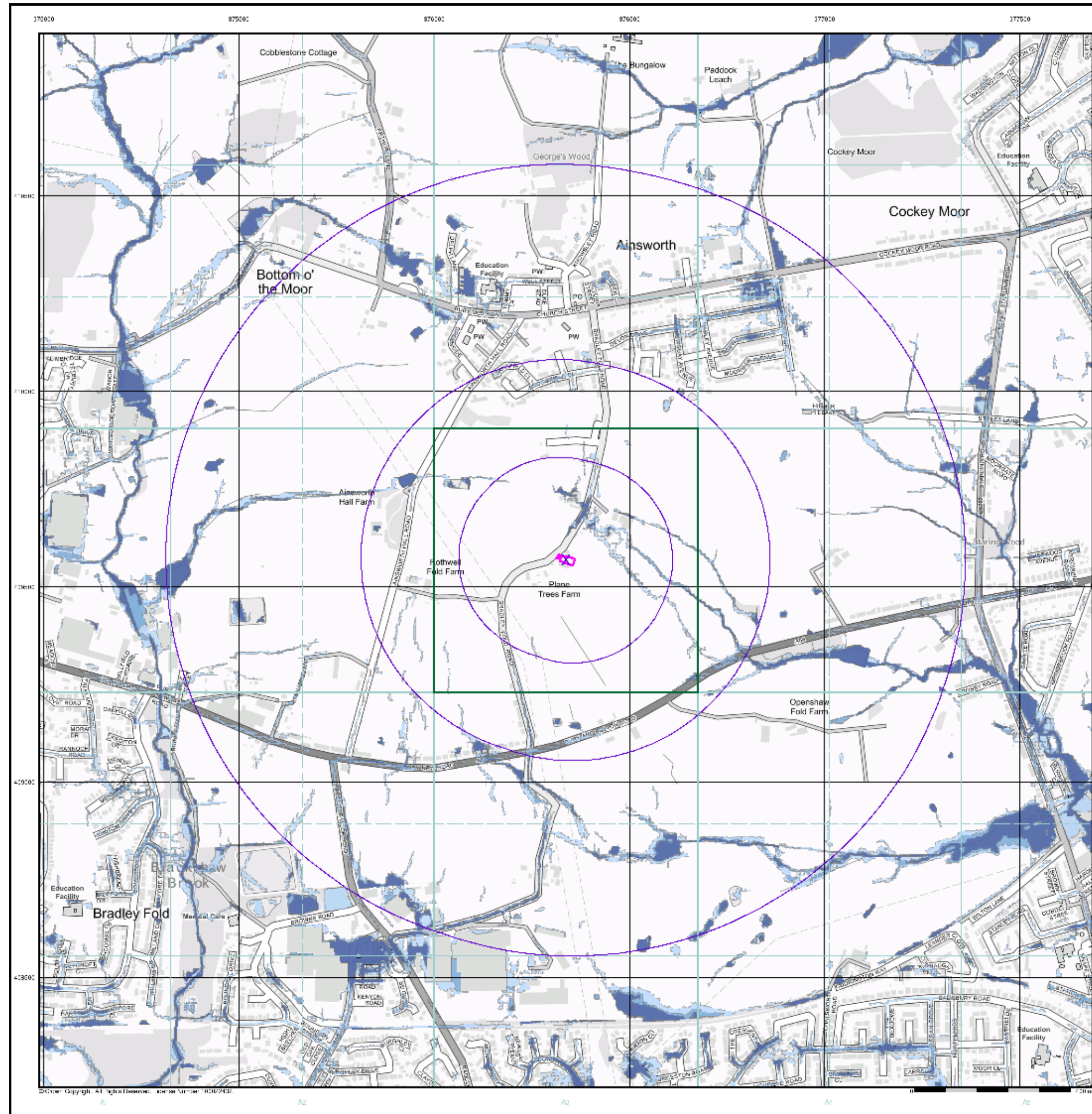
Order Number: 354981146_1_1
 Customer Ref: LKC 24 1306
 National Grid Reference: 376340, 409570
 Slice: A
 Site Area (Ha): 0.07
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General

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

Risk of Flooding from Surface Water

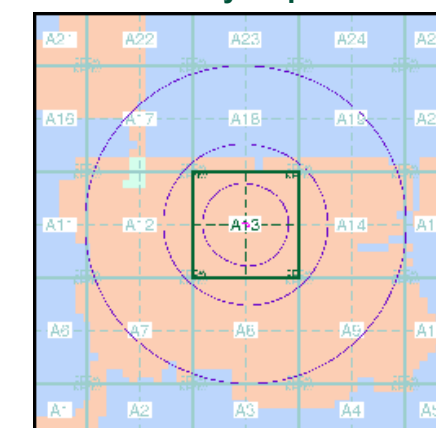
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EANRW Suitability Map - Slice A



Order Details

Order Number: 354981146_1_1
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Appendix C – Zetica UXO Unexploded Bomb Risk Map

UNEXPLODED BOMB RISK MAP



SITE LOCATION

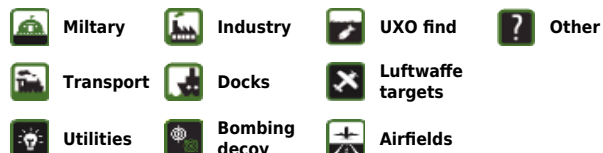
Map Centre: 376329,409568



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

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?

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density. Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then [additional detailed research](#) is recommended.

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

If both the map and other research confirm 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.

If you are unsure whether other sources of UXO may be present, you can request one of our [pre-desk study assessments \(PDSA\)](#) by emailing a site boundary and location to pdsa@zetica.com.

You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.

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 range of sources and should be used with the [accompanying notes on our website](#).

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 acknowledgement. The copyright remains with Zetica Ltd.

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 552¹³. 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.

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 a very low risk is identified no specific remediation is required.

Where a low risk is identified, some form of remediation may be required depending on the pollutant linkage, the type and concentration of contaminants present and the proposed development.

Where there is a moderate/low risk is identified, an assessment will be undertaken to establish what category the pollutant linkage will fall into.

Where LKC identifies a moderate or higher risk, remediation or further investigation work is recommended.

Appendix E - References

¹ Environment Agency, October 2020, "Land contamination risk management (LCRM). How to assess and manage the risks from land contamination".

² Ministry of Housing, Communities and Local Government, July 2021, "National Planning Policy Framework".

³ Environment Agency, October 2020, "Land contamination risk management (LCRM). How to assess and manage the risks from land contamination".

⁴ DEFRA & Environment Agency, March 2002, "Potential Contaminants for the Assessment of Land", R&D Publication CLR 8.

⁵ Environment Agency, January 2009, "Updated technical background to the CLEA model", Science Report SC050021/SR3.

⁶ CIRIA, January 2001, "Contaminated land risk assessment. A guide to good practice", C552.

⁷ Health & Safety Executive, 1991, "Protection of Workers and the General Public during the Development of Contaminated Land", HSG66.

⁸ The British Standards Institution (BSI), December 2017, "Investigation of potentially contaminated sites. Code of practice - Code of practice", BS 10175:2011+A2:2017.

⁹ The British Standards Institution (BSI), May 2020, "Code of practice for ground investigations", BS 5930:2015+A1:2020.

¹⁰ CIRIA, December 2007, "Assessing risks posed by hazardous ground gases to buildings", C665.

¹¹ CL:AIRE, November 2012, "A Pragmatic Approach to Ground Gas Risk Assessment", RB 17.

¹² The British Standards Institution (BSI), January 2019, "Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings", BS 8485:2015+A1:2019.

¹³ CIRIA, January 2001, "Contaminated land risk assessment. A guide to good practice", C552.

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- » Japanese Knotweed
- » Air Tightness Testing