

Land Adjacent to Genesis House, Bolton

Phase 1 Preliminary Risk Assessment

Job Number: LKC 24 1154
Date: May 2024
Client: Go Wallpaper Ltd



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DOCUMENT QUALITY ASSURANCE

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Report Title	Phase 1 Preliminary Risk Assessment
Job Number	LKC 24 1154
Client	Go Wallpaper Ltd

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1. Introduction

LK Consult Ltd (LKC) has been commissioned to carry out a Phase 1 Preliminary Risk Assessment (PRA) for Genesis House, Bolton.

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	North-east of Stopes Road (A6053), Little Lever, Bolton. Centred at National Grid Reference 376490E 407530N.
Area	600m ² .
Topography	104 metres above ordnance datum (AOD). Site is approximately level.
Current Site Use	Grassed covered area of vacant land adjacent to existing warehouse units.
Proposed Development	Construction of new warehouse unit.

Table 1-1: Summary of site details.

2. Historical Review

In compiling the site history, LKC consulted Envirocheck historical mapping (Appendix A).

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	
Wellington Works 'pottery'	NW	1958	1970	Offsite works extends onto NW portion of site by 1955 mapping. Annotated as 'Terra Cotta' works.
Earthwork mound	S	1955	1970	No longer present by 1980 mapping.
Builder's Yard	N	1975	Present	Footprint of building extends on NW of site but no longer present by 2024 mapping. Builders yard remains.

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	
Wellington Works	5	W	1895	Present	Annotated as 'pottery works' between 1895-1937 mapping. Annotated as 'Terra Cotta' works on 1955 mapping. Annotated as 'Motor Repair' works on 1975 mapping. Layout noted to have changed. Unspecified works from 1980 mapping with the closest building to site being annotated as 'Rajkot House' on 1992 mapping and 'Genesis House' on 2024 mapping.
Coal Pit	135	SW	1850	1850	Only present on 1850 mapping.
2no. Ponds	170 & 225	E & S	1850	1980	Both ponds are not present after 1980.
5no. Old Shafts	130-225	NW, SW, W, S, SE, W	1895	Present	Shafts no longer present after 1970 mapping, besides the shaft to the NEW which is still labelled on present day mapping.
Chimneys	15	W	1909	1970	Associated with Wellington Works. No longer present after 1970
Refuse Tip	10	S	1968	1970	No longer present after 1970.
Light Engineering Works	40	SW	1968	1971	No longer present after 1971 mapping.

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 1935 mapping showing the location of the hand dug pits and historical features onsite and offsite is shown on Plate 2-1.

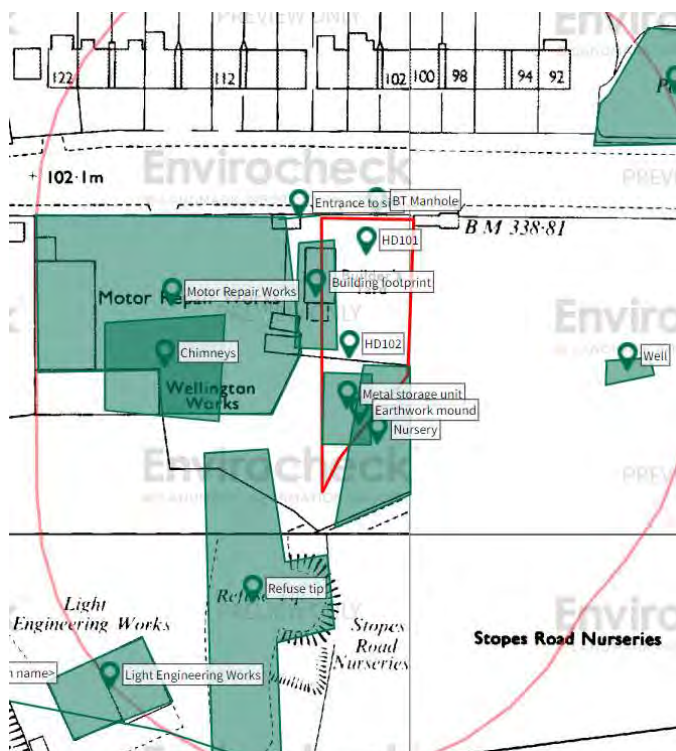


Plate 2-1: Extract from 1960-1980 mapping.

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		Till, Devensian (Diamicton).
	Bedrock		Pennine Middle Coal Measures Formation (mudstone, siltstone and sandstone).
	BGS Logs (100m)		BH Ref: SD70NE57, 31m S: The depth of drift thickness is unknown and it is presumed that logging began from bedrock. The shallowest depth that coal was identified at approximately 25m below rockhead. Coal was further identified at approximately 77m below rockhead.
Hydro-geology ¹	Aquifer Designation	Superficial	Secondary Undifferentiated Aquifer.
		Bedrock	Secondary A Aquifer.
	Source Protection Zone (SPZ)		Site not within an SPZ.
	Groundwater Abstractions (100m)		None.
Hydrology ¹	Surface Watercourses (100m)		Un-named pond, 35m NE.
	Flooding Risk ^{1, 4}		Flood Zone 1.
	Surface Water Abstractions (100m)		None.
	Discharge Consents (onsite)		None
	Pollution Incidents (onsite)		None.
Minerals Mining ^{1,5} &	Coal Mining		Within a Coal Reporting Area. Within a Development High Risk Area.
	Surface Mineral Extractions (250m)		165m W – Stopes Works, Commodity: Common Clay and Shale.
	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		Very low hazard.
	Shrinking / Swelling Clay		No hazard.

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 Sheet85 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>.

6 Zetica UXO Unexploded Bomb Risk Map (Appendix D).

Categories ^(data sources)		Details
Landfill Sites (250m) ¹	Known / Registered	None within 250m.
	Potentially Infilled Land (non-water and water), based on Envirocheck Report	5no. features: 130m S, 136m SE, 156m SW, 168m SW and 168m NW.
	Potentially Infilled Sites, based on LKC historical review	16no. 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 Greenbelt onsite to the E.
Contemporary Trade Directory (50m) ¹		17m W, Wallpapers and Wall Coverings. 38m SW, Caravan Dealers and Manufacturers (Inactive). 39m SW, Road Haulage Services.
Fuel Station Entries (50m) ¹		None.
Unexploded Ordnance Risk (UXO) – Zetica Risk Map	Zetica Risk Map ⁶	Bomb Risk: Low. Strategic Targets: None identified within 100m.

Table 3-2 (continued): Summary of the environmental setting.

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

6 Zetica UXO Unexploded Bomb Risk Map (Appendix D).

4. Site Reconnaissance

A site reconnaissance was carried out on 16th May 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 comprises grass covered land with a metal storage unit in the south.
- The site slopes slightly downwards towards the south and is mostly level with the surrounding area.
- Site access is via a double entrance gate approximately 5 metres wide in the north of site.
- One BT manhole and water manhole are located adjacent to site in the north.
- No visual or olfactory evidence of significant contamination identified.

The surrounding area comprises a commercial building and access road to the west, Stopes Road to the north and south and an area of vegetation to the east.

Hand dug pits were carried out in 2no. Locations and are summarised in Table 4-1.

HD101	HD102
0.00-0.40m MADE GROUND (gravelly silty SAND with abundant rootlets and occasional brick.	0.00-0.55m MADE GROUND (gravelly silty SAND with abundant rootlets and occasional brick.

Table 4-1: Hand dug pit logs.

Site photographs are provided in Table 4-2.

	
Photograph 1: View of site from NW looking SE.	Photograph 2: View of access to site.

	
Photograph 3: View of metal storage containers in the SW of site.	Photograph 4: View of BT manhole adjacent to site in the N.

Table 4-2: Site photographs.

Site features are also shown on Plate 4-1.

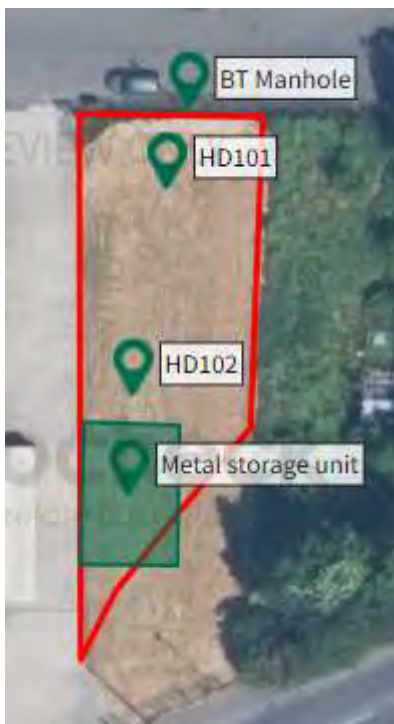


Plate 4-1: Plan showing relevant site features.

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	
Made ground / demolished buildings below some or all of the site (e.g., former building rubble, former mound in S)	Demolition rubble, ash, and clinker: asbestos, heavy metals, sulphates, PAHs ⁴ . Other fill material sources: unknown organic / inorganic compounds. If organic / putrescible material: hazardous gas (principally carbon dioxide and methane).
Mining Activity (shallow coal mining)	Hazardous ground gas risk (shallow coal mining on site) ⁵ .
Wellington Works 'pottery' (partially onsite) / Builders Yard	Metal glazing. If coal fired boiler: heavy metals, sulphates and PAHs; if gas or oil powered boiler: oils and fuel. Asbestos may have been used within the building as insulation and lagging or as roofing and cladding ⁶ .
Formerly Nursery	Assuming the use of ash and clinker for drainage: heavy metals, sulphates, PAHs ⁷ . Significant pesticide use not anticipated given the size of the feature.
Surrounding Area	
Surrounding land uses (mounds, Wellington Works 'pottery', Motor Repair Shop).	Potential source identified: (PAHs, metals, oils, fuel). May have encroached onto site.
Landfills / offsite potentially infilled features within 250m	Given size and age of features, as well as proposed end use, there is not considered to be a source of hazardous gas (principally carbon dioxide and methane).
Underlying Geology	
Pennine Middle Coal Measures.	Ground Gas (principally carbon dioxide and methane) ⁸ . Potentially worked shallow coal seams could be a source of ground gas.

Table 5-1: Potential contamination sources.

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	Till, Devensian (Diamicton). No significant contamination sources identified.

Table 5-2 (continued): Potential contamination sources.

5.3. Potential Receptors

Potential receptors are detailed in Table 5-2.

Receptors	
Human health	Future site users (including visitors, and site workers). As the proposed development is for commercial / industrial use, the most sensitive receptors (children) have not been included in this assessment.
Controlled waters	Pond 35m north-east is not considered to be a significant surface water receptor. Secondary A Aquifer.
Buildings.	
Potable water pipes.	

Table 5-3: Potential receptors.

5.4. Potential Pathways

Potential pathways are detailed in Table 5-3.

Pathways		
Soil	Human health ⁹ (commercial land use with soft landscaping)	Ingestion of soil-derived indoor dust. 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. Omitted: ingestion of contaminated home-grown produce and ingestion of soil attached to home-grown produce.
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. Superficial (Till) likely to be low permeability. Bedrock (mudstone, siltstone, sandstone) likely to be variably permeable. Preferential pathways: services, possible shallow worked coal seams.
Gas		Migration into buildings (e.g., via services) and accumulation of gases in confined spaces (potentially causing explosion if methane is present).

Table 5-4: 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 C552¹⁰.

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 E.

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 guidance¹¹) 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	Heavy metals, Asbestos Containing Material (ACM), PAHs (made ground, Wellington Works, former mound, nursery, Builder Yard, demolished buildings).	Dermal contact. Inhalation of soil, fibres, and dust. Ingestion of soils, dust. Windblown dust.	Future site users. Offsite receptors.	Likely	Medium	Moderate
	Petroleum hydrocarbons, fuels, oils, (offsite vehicle repair).			Low Likelihood	Medium	Moderate / Low
2	PAHs (naphthalene), petroleum hydrocarbons (made ground, offsite vehicle repair).	Inhalation of vapours. Migration via permeable strata and preferential pathways.	Future site users.	Low Likelihood	Medium	Moderate / Low
3	Ground gas: methane, carbon dioxide (shallow coal workings)	Migration via permeable strata and preferential pathways. Inhalation of gas. Explosion in confined spaces.	Future site users. Buildings.	Low Likelihood	Severe	Moderate
	Hazardous gas: methane, carbon dioxide (infilled features, made ground).			Unlikely	Severe	Moderate / Low
4	PAHs, heavy metals, sulphates, petroleum hydrocarbons, glycol (made ground, Wellington Works, former mound, nursery, Builders Yard, offsite vehicle repair).	Migration via permeable strata and preferential pathways. Perched waters migration.	Groundwater	Low Likelihood	Medium	Moderate / Low
5	PAHs (naphthalene), petroleum hydrocarbons (made ground, Wellington Works, former mound, nursery, Builders Yard, offsite vehicle repair).	Permeation of pipes. Ingestion of tainted water supply.	Future site users. Water pipes.	Low Likelihood	Medium	Moderate / Low

Table 5-5 (continued): 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 within a development high risk area. Further assessment is required.
Slope Stability	Flat. No further action required.
Envirocheck Ground Stability Hazards	No to low hazard identified. No further action required.
Made Ground	Made ground: Gravelly, silty SAND with frequent rootlets and occasional brick. Unknown depth and constituent of made ground across the site. Initial information indicates relatively shallow made ground. Possible in-ground structures from previous developments. Unlikely to be a suitable founding stratum unless engineering work is undertaken.
Superficial	Unknown strength of soils for foundation design. Clay anticipated below the site.
Bedrock	Unknown depth to bedrock.
Groundwater	Unknown depth and variability of groundwater. Shallow / fluctuating groundwater can affect the strength of the soil, particularly in granular ground. Shallow groundwater can also affect construction works.
Plasticity	Plasticity of clay deposits should be confirmed, particularly where trees are present or proposed, to identify the shrink / swell risk. Clay recorded on site.
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	Grassed covered area of vacant land adjacent to existing warehouse units.
Proposed Development	Construction of new warehouse unit.
Main Historical Features	Onsite: Wellington Works 'pottery' (partially), former mound, Builder's Yard, vehicle repairs. Surrounding Area: Wellington Works, 2no. ponds, coal pit, 5no. old shafts, 4no. chimneys, Light Engineering Works.
Geology / Hydrogeology	Artificial: No BGS recorded artificial. Superficial: Till, Devensian (Diamicton). Secondary Undifferentiated Aquifer. Bedrock: Pennine Middle Coal Measures Formation (mudstone, siltstone and sandstone). Secondary A Aquifer.
Site Reconnaissance	The site comprises grass covered land with a metal storage unit in the south. The site slopes slightly downwards towards the south and is mostly level with the surrounding area. Site access is via a double entrance gate approximately 5 metres wide in the north of site. One BT manhole and water manhole are located adjacent to site in the north. No visual or olfactory evidence of significant contamination identified.
Landfills / Infilled ground	No recorded landfills. Potentially infilled ground identified within 250m of the site.
Other Relevant Environmental Settings etc.	The site is within a development high risk area. A coal mining risk assessment has been carried out under separate cover. Further assessment is required.

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, inhalation of soil, dust and fibres, windblown dust.	Heavy metals, Asbestos Containing Material (ACM), PAHs (made ground, Wellington Works, former mound, nursery, builder yard, demolished buildings).	Moderate
	Petroleum hydrocarbons, fuels, oils (offsite vehicle repair).	Moderate / Low
PL2: Volatile contaminants posing a risk to receptors via the inhalation of vapours and migration via permeable strata and preferential pathways.	PAHs (naphthalene), petroleum hydrocarbons (made ground, offsite vehicle repair).	Moderate / Low

Table 7-2: Summary risk table.

PL3: Gas posing a risk to buildings and receptors via the migration of gas into building causing explosion and asphyxiation.	Hazardous Gas: methane, carbon dioxide (infilled features, made ground).	Moderate
	Ground Gas: methane, carbon dioxide (shallow coal workings).	Moderate / Low
PL4: Mobile contamination posing a risk to controlled waters via the migration through permeable strata and perched waters migration.	PAHs, heavy metals, sulphates, petroleum hydrocarbons, glycol (made ground, Wellington Works, former mound, nursery, builders yard, offsite vehicle repair).	Moderate / Low
PL5: Organic contaminants posing a risk to receptors via permeation of pipes and ingestion of tainted water supply.	PAHs (naphthalene), petroleum hydrocarbons (made ground, Wellington Works, former mound, nursery, builders yard, offsite vehicle repair).	Moderate / Low

Table 7-3 (continued): Summary risk table.

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

Coal Mining	A coal mining risk assessment has been carried out under separate cover. Intrusive Shallow Mining Investigation required to confirm the instability risk.
Slope Stability	Flat. No further action required.
Made Ground	Made ground: Gravelly silty SAND with frequent rootlets and occasional brick. Unknown depth and constituent of made ground across the site. Initial information indicates relatively shallow made ground. Possible in-ground structures from previous developments. Unlikely to be a suitable stratum unless engineering work is undertaken.
Superficial	Unknown strength of soils for foundation design. Clay anticipated below the site.
Bedrock	Unknown depth to bedrock.
Groundwater	Unknown depth and variability of groundwater.
Plasticity	Plasticity of clay deposits should be confirmed. Clay recorded on site.
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 7-4: 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.

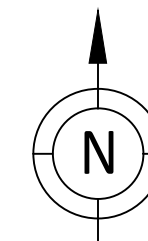
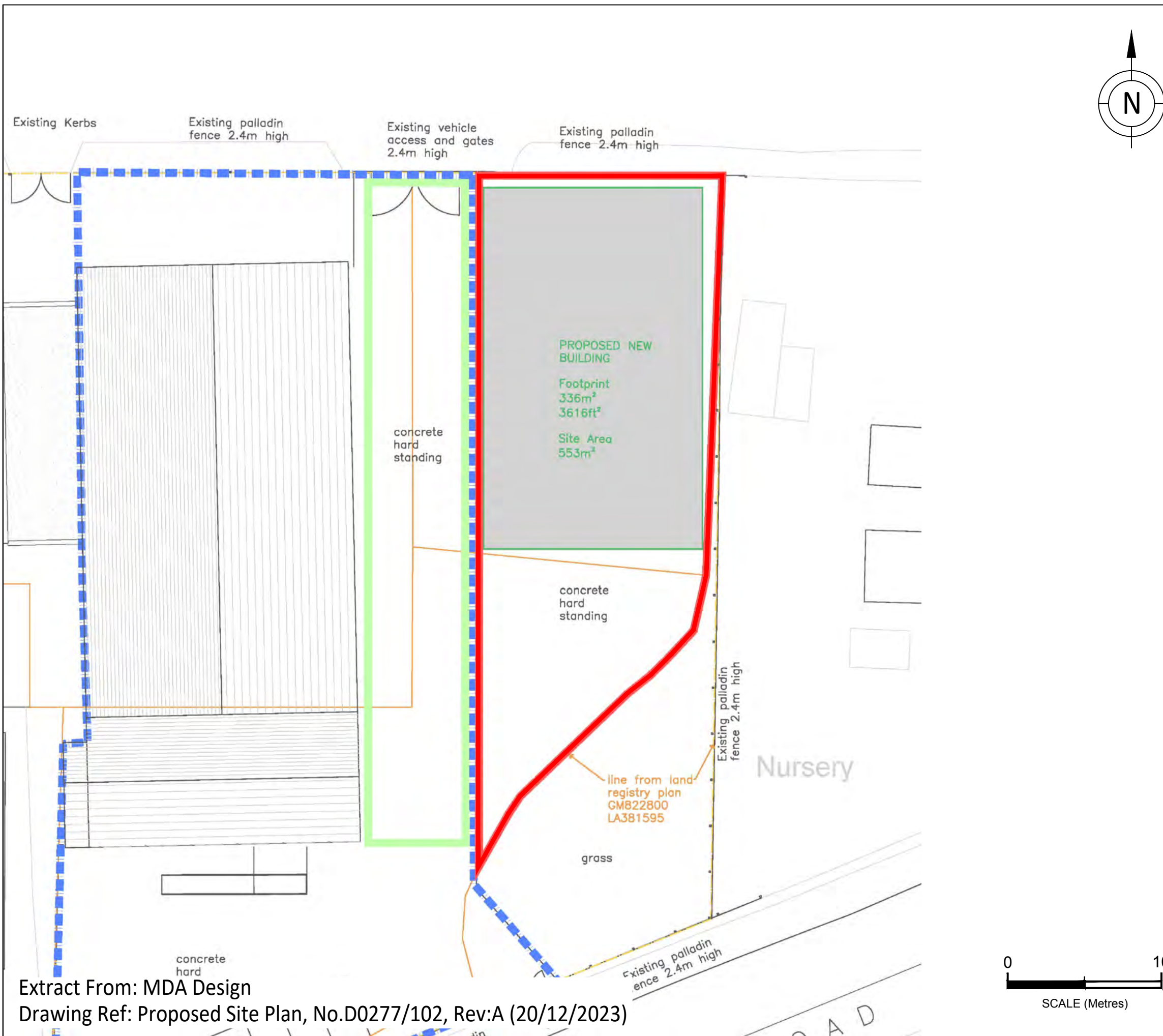
Contamination Status	There is sufficient information on the potential contaminative status of the site to allow conditional approval of a planning application, based on the proposed end use detailed in the PRA.
Further Assessment Recommendations	Phase 2 intrusive investigation required. Phase 2 investigation to be carried out in line with current guidance, including BS10175 ¹² , BS5930 ¹³ CIRIA C665 ¹⁴ , RB17 ¹⁵ and BS8485 ¹⁶ . 'Detailed investigation': 1 sample per 10-25m square centres. Plus, targeted investigation locations in areas of concern (contamination and geotechnical). To be agreed with the local authority.
Local Authority Approval	Conditional planning approval is likely to require an agreed detailed scope of work.
Type of Investigation Work	Boreholes.
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	Intrusive investigation to confirm ground conditions. If significant gas source and pathway identified, gas monitoring required. Gas monitoring: monitoring wells to be installed in boreholes, monitoring frequency and period subject to anticipated risk.
PL 4	Groundwater sampling, subject to ground conditions encountered. Groundwater samples to be collected from monitoring wells and tested for contaminants of concern based on preliminary conceptual model and ground conditions encountered.
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 7-5 (continued): Recommendations.

Figures



Client: Go Wallpaper Ltd				Title: Site Location & Boundary Plan			
Site: Land Adjacent to Genesis Street				Scale (see scale bar): 1:25,000 & 1:500 @ A4			
Job No.: LKC 24 1154		Drawn By: EH	Checked By: RC	Drawn: May 2024	Figure: 1		



KEY

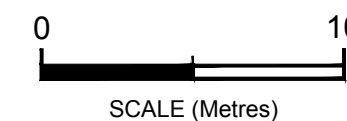
Site Boundary

	APPLICATION SITE
	NEIGHBOURING SITE OWNED BY APPLICANT
	LAND OWNED BY APPLICANT PROVIDING ACCESS TO APPLICATION SITE

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.



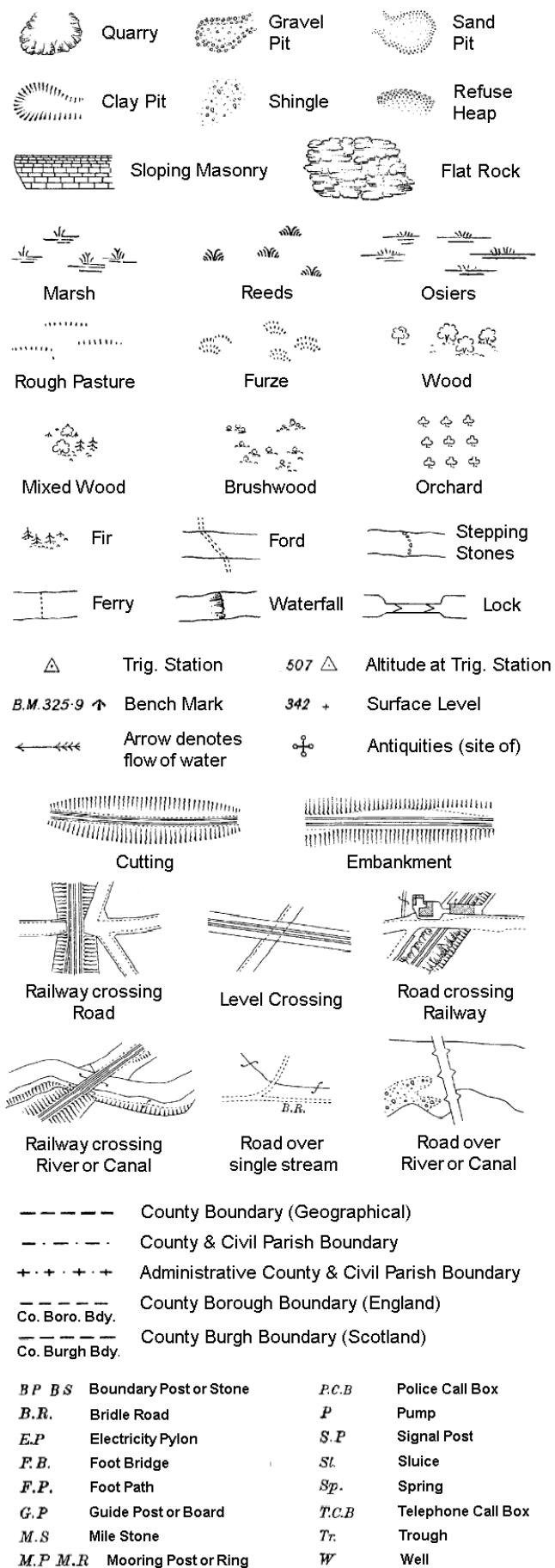
Client: Go Wallpaper Ltd			
Site: Land Adjacent to Genesis Street, Bolton			
Title: Proposed Development Plan			
Job No.: LKC 24 1154	Scale (See Scale Bar): 1:250 @ A3	Figure: 2	Revision:
Drawn By: AC	Checked By: EH	Drawn: May 2024	



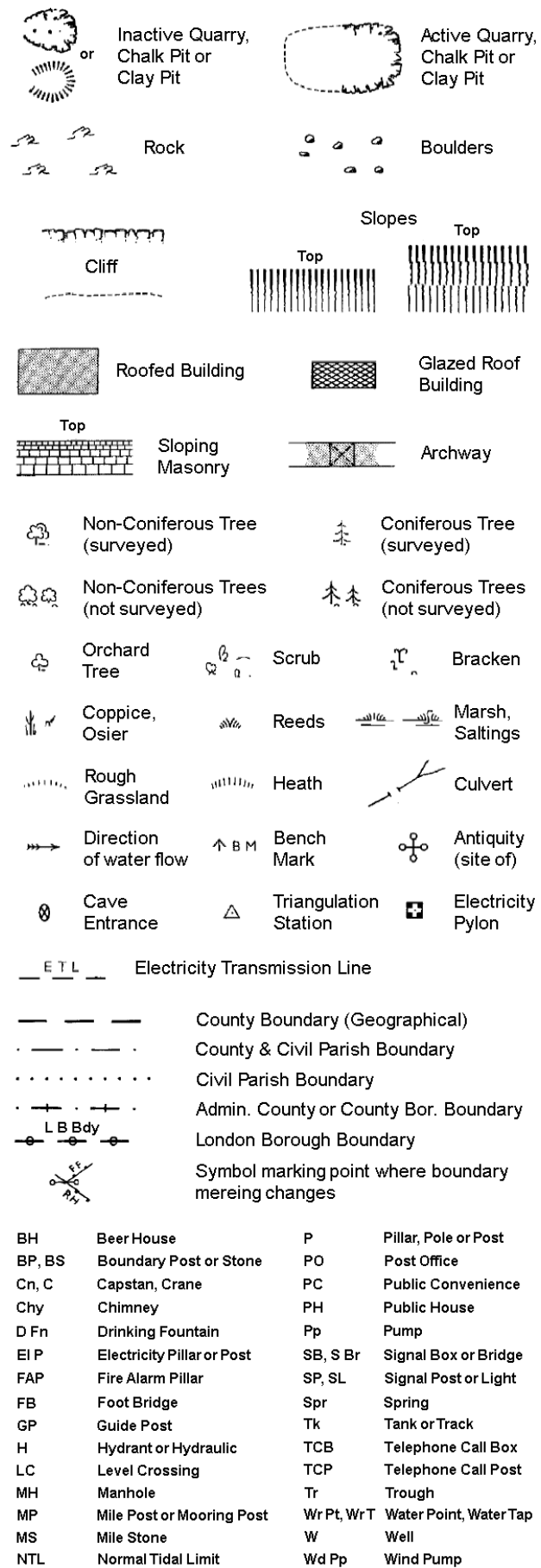
Appendix A – Historical Maps

Historical Mapping Legends

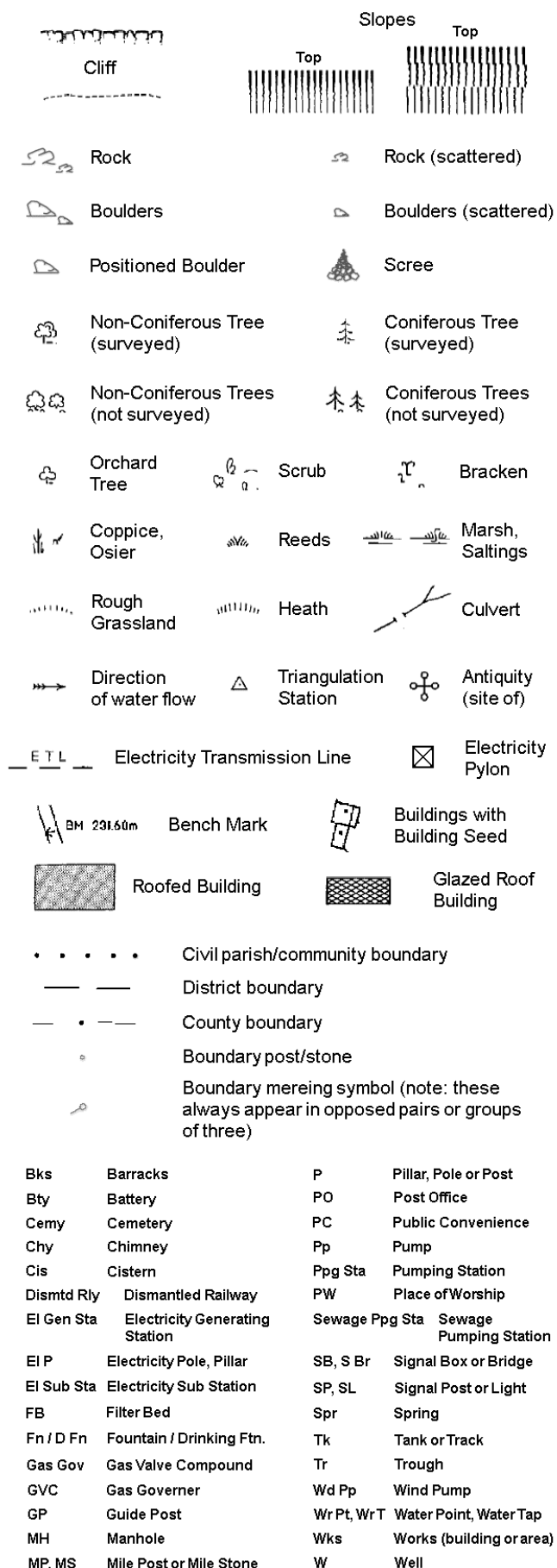
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordinance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information



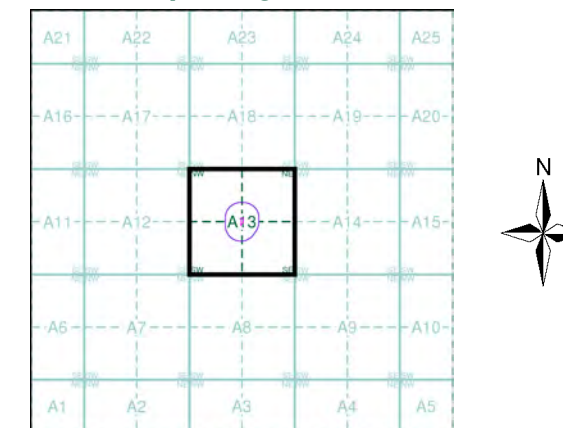
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1909	2
Lancashire And Furness	1:2,500	1929	3
Lancashire And Furness	1:2,500	1937	4
Ordnance Survey Plan	1:1,250	1955	5
Additional SIMs	1:1,250	1955 - 1987	6
Ordnance Survey Plan	1:2,500	1956	7
Ordnance Survey Plan	1:1,250	1960 - 1975	8
Ordnance Survey Plan	1:1,250	1967 - 1975	9
Ordnance Survey Plan	1:2,500	1970	10
Additional SIMs	1:1,250	1980 - 1985	11
Additional SIMs	1:1,250	1987	12
Additional SIMs	1:1,250	1987	13
Large-Scale National Grid Data	1:1,250	1992	14
Historical Aerial Photography	1:2,500	2000	15

Historical Map - Segment A13

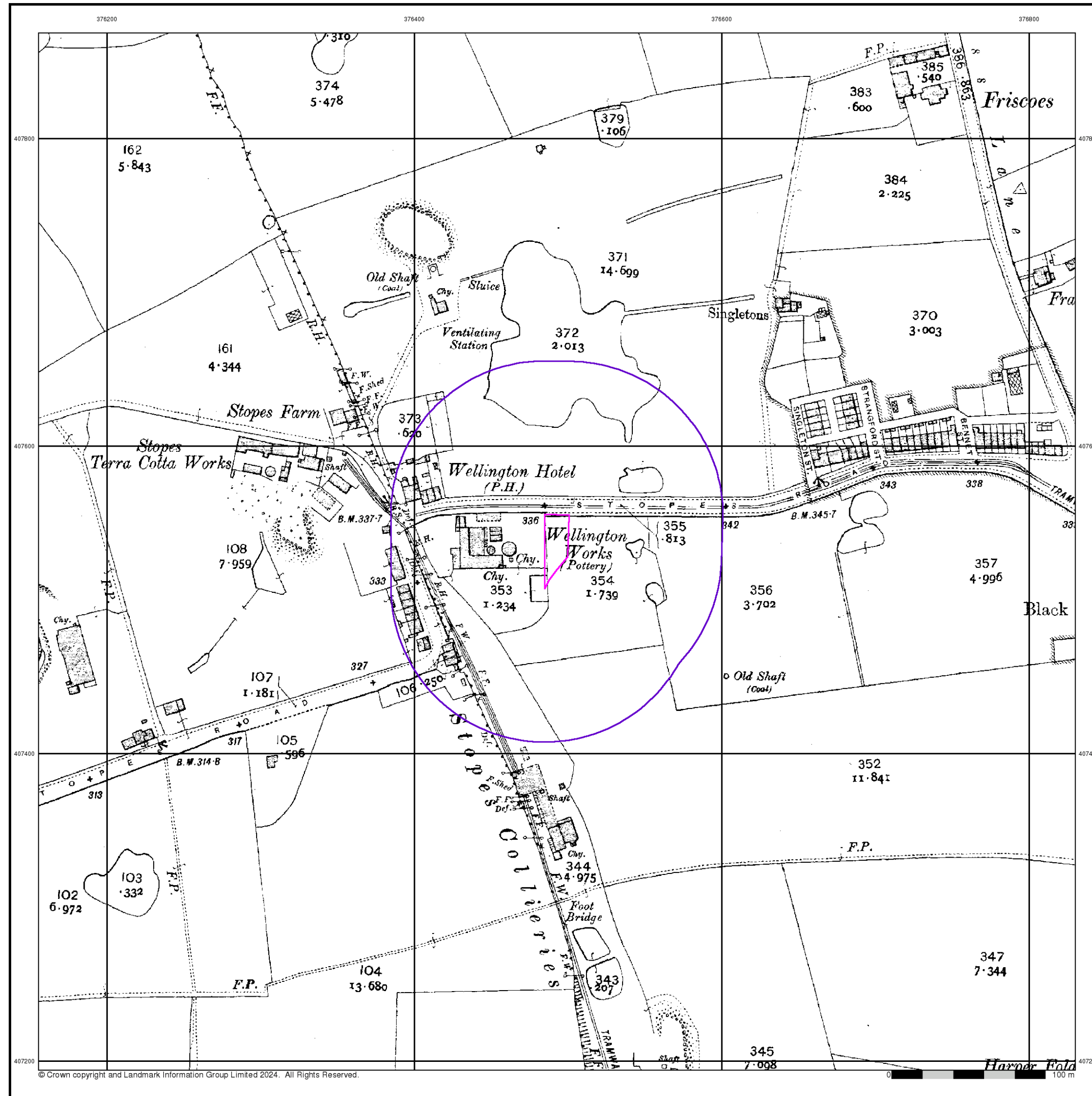


Order Details

Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540



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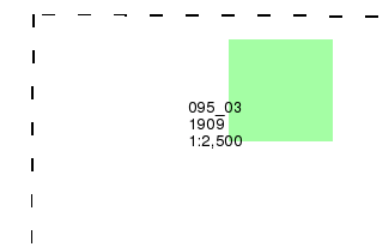
Lancashire And Furness

Published 1909

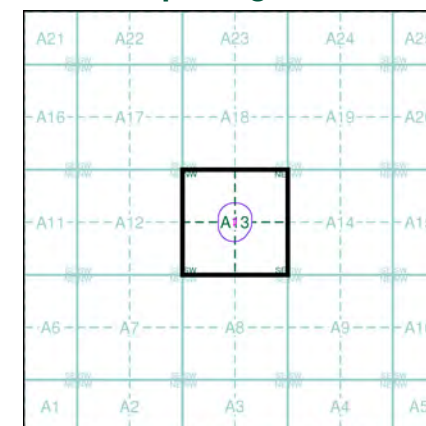
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

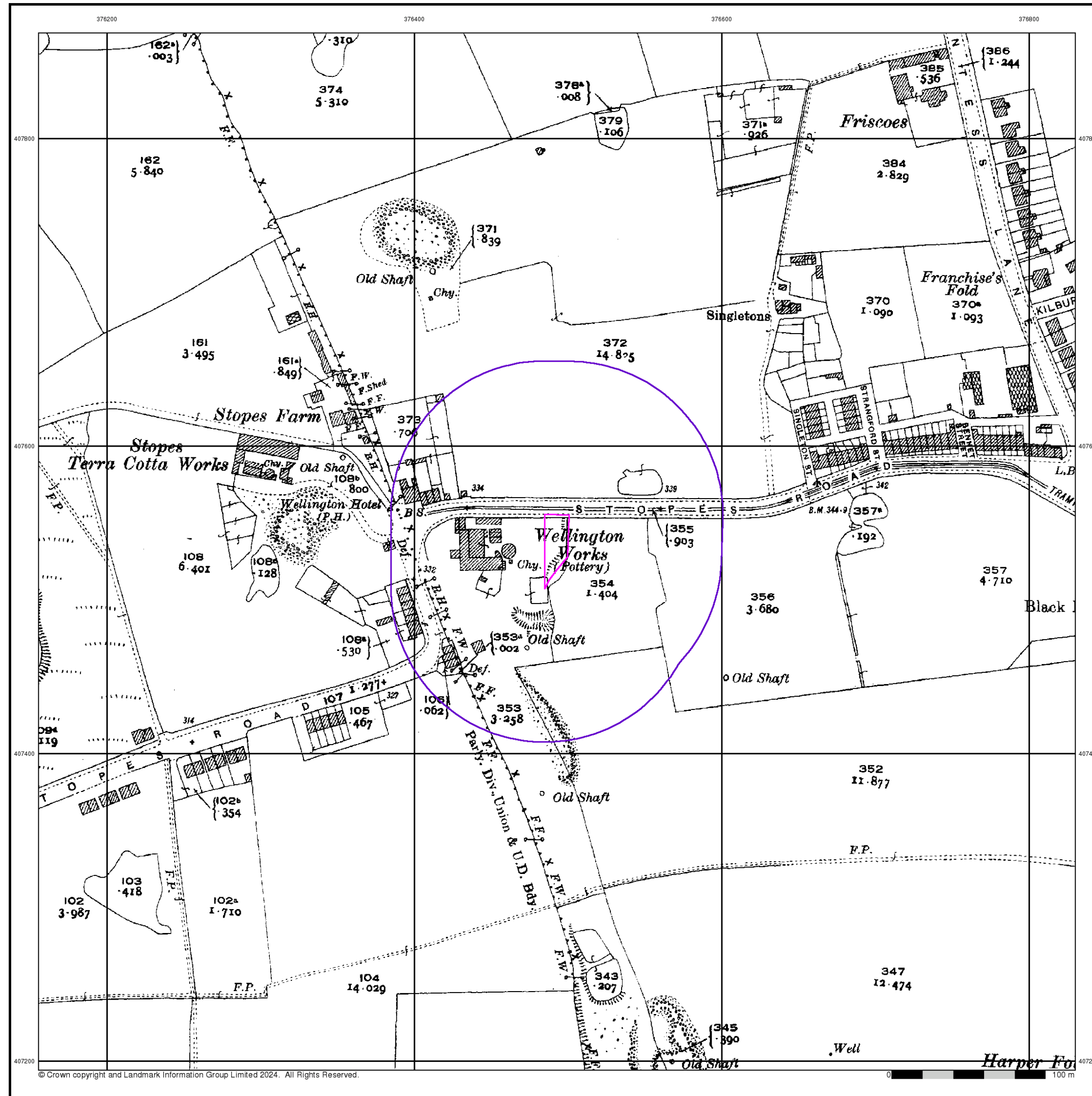
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540

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LK GROUP

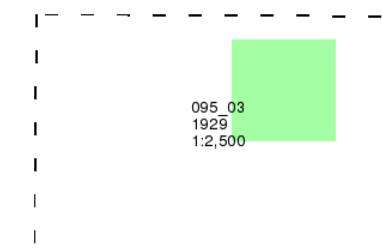
Lancashire And Furness

Published 1929

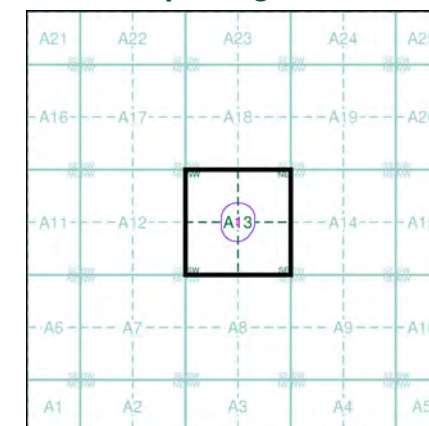
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

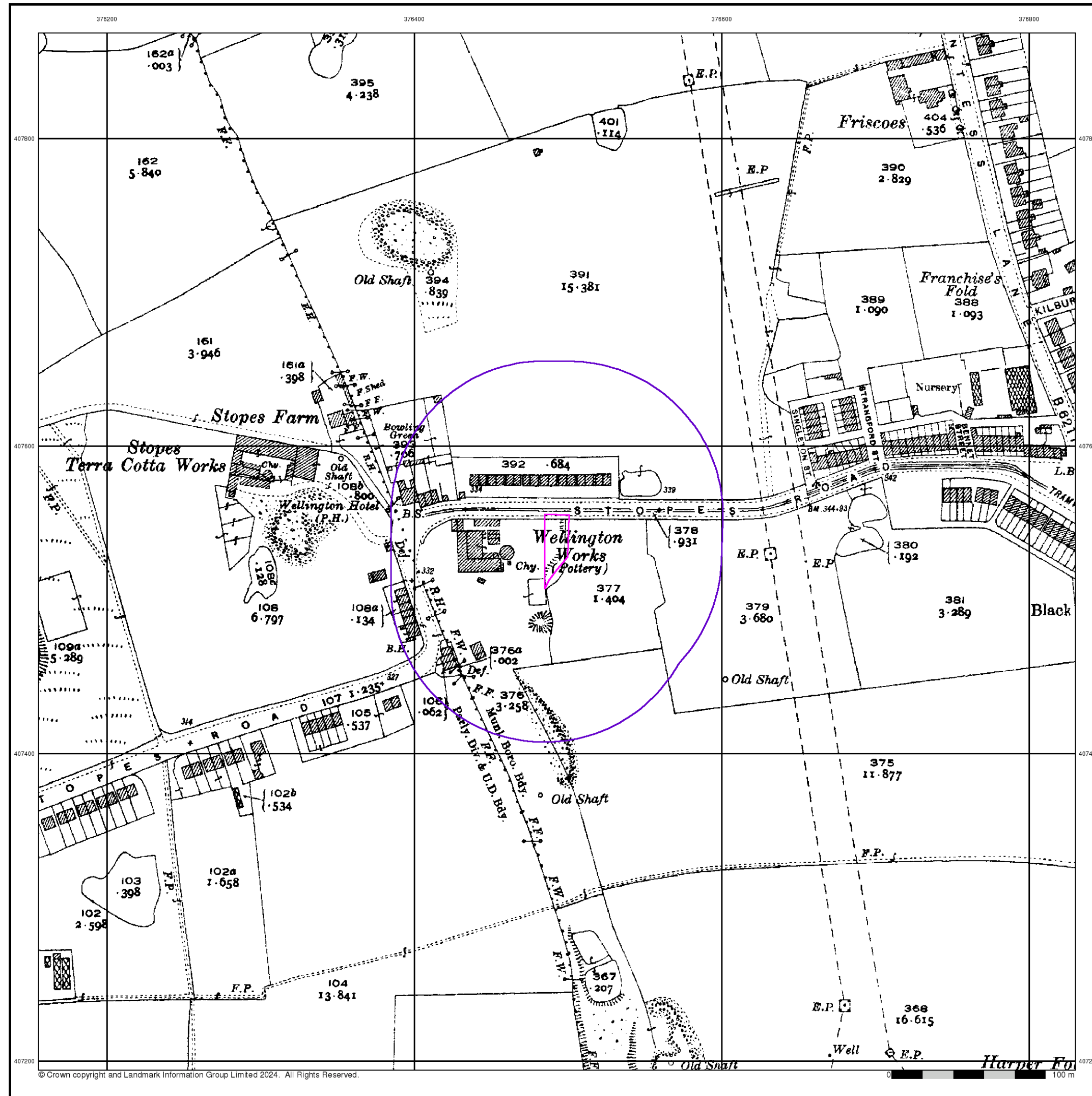
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540

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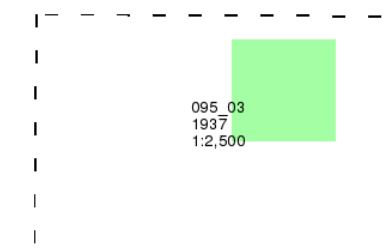


Published 1937

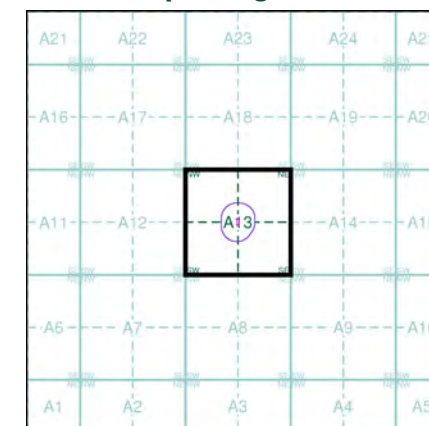
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

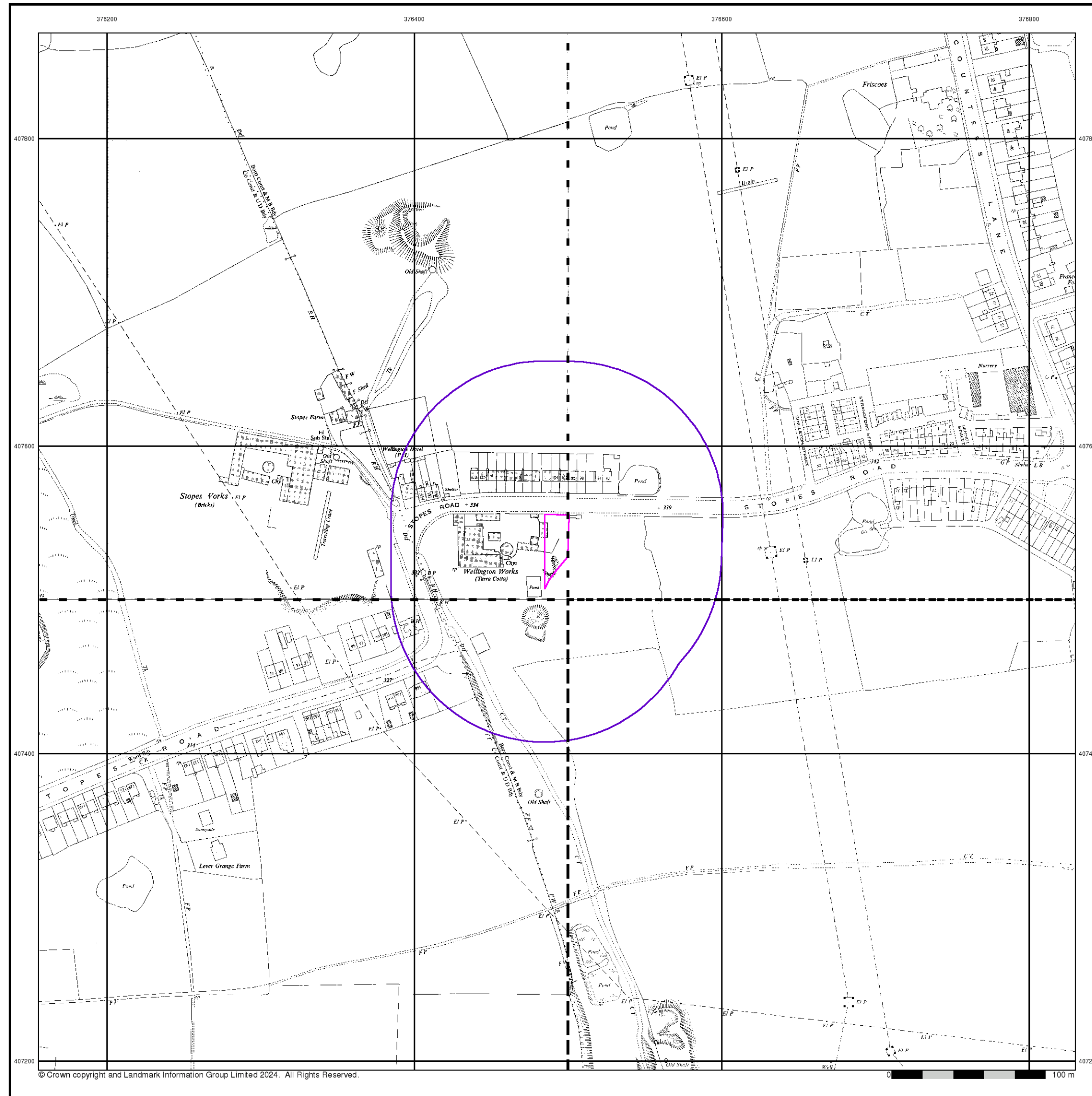


Order Details

Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540



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GROUP

Ordnance Survey Plan

Published 1955

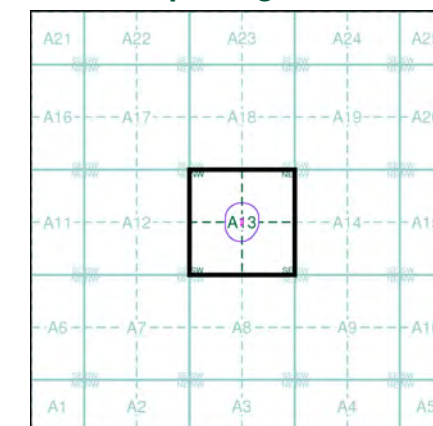
Source map scale - 1:1,250

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)

SD7607NW	SD7607NE
1955	1955
1:1,250	1:1,250
SD7607SW	SD7607SE
1955	1955
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

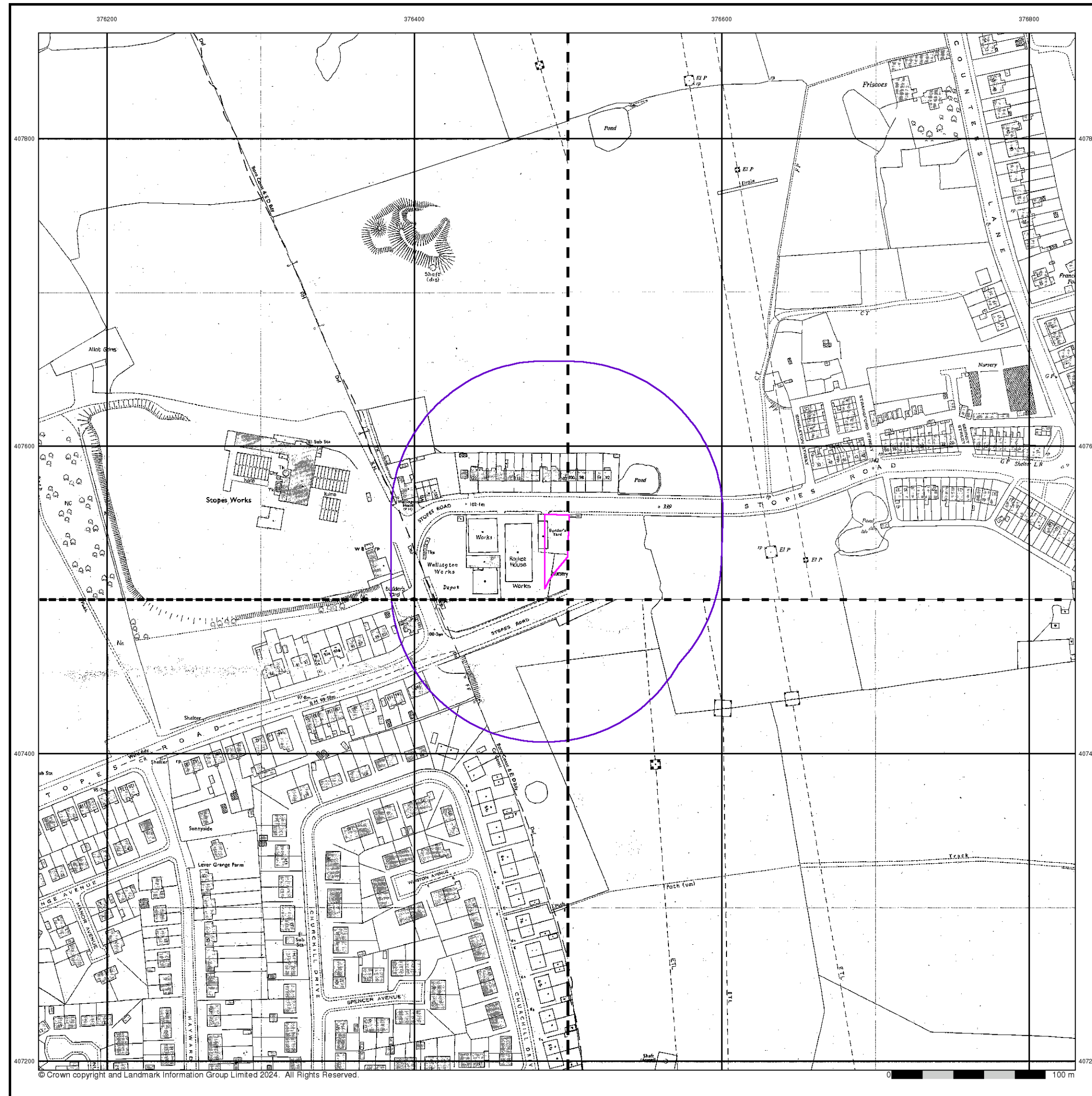
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540



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Published 1955 - 1987

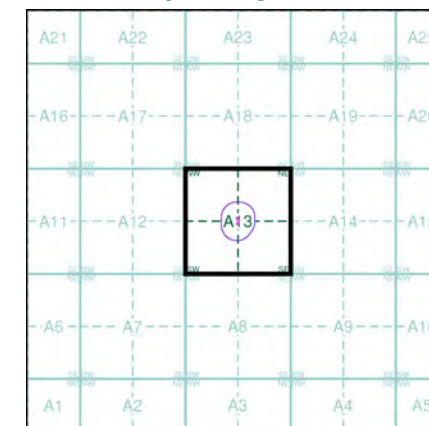
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD7607NW 1987 1:1,250	SD7607NE 1955 1:1,250
SD7607SW 1978 1:1,250	SD7607SE 1987 1:1,250

Historical Map - Segment A13



Order Details

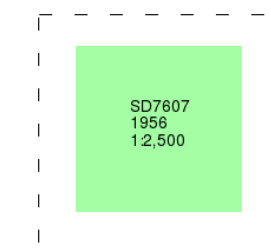
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

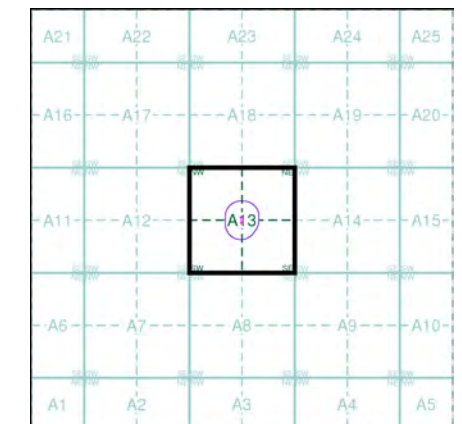
Site at 376490, 407540



Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

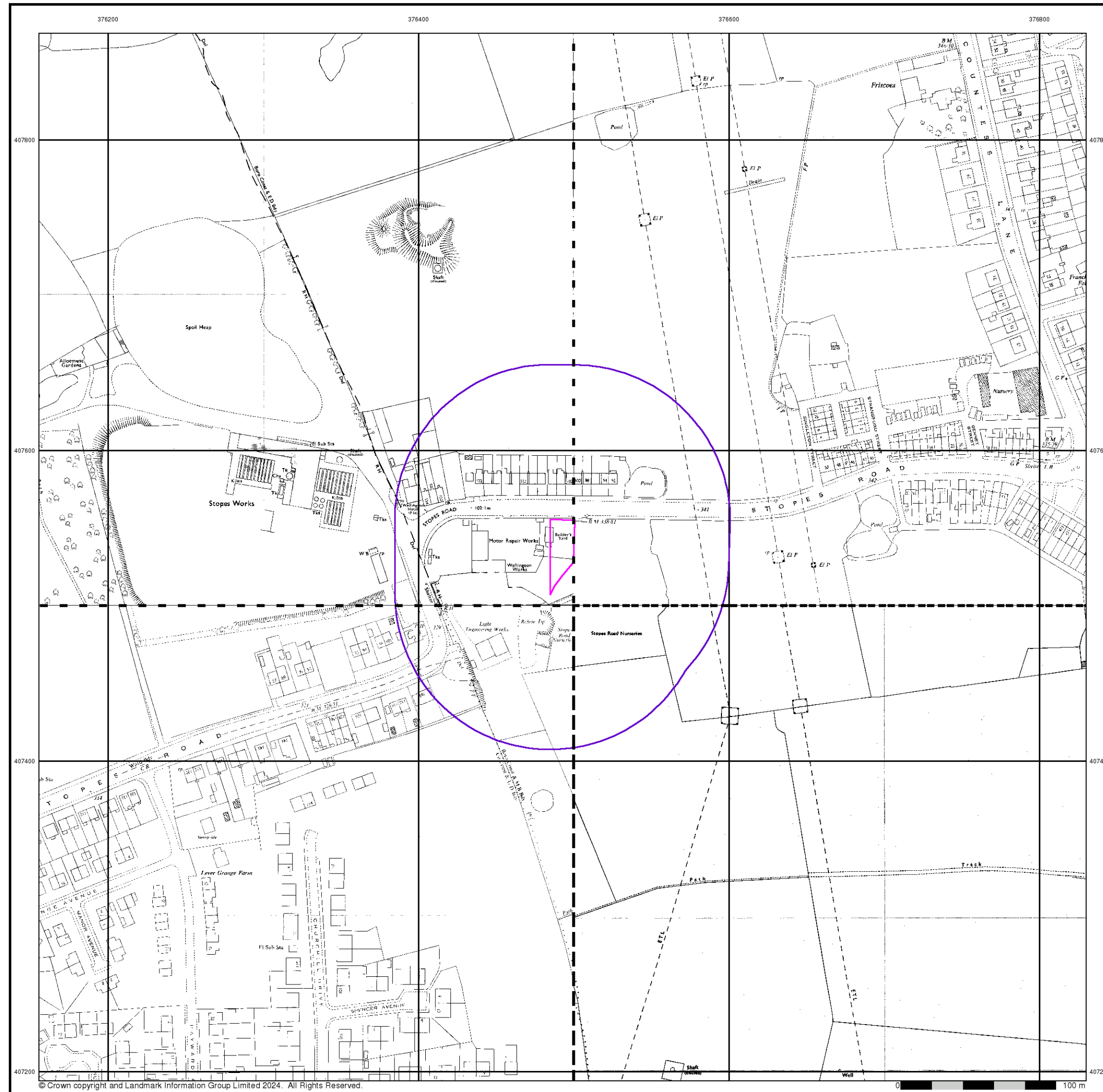
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540

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Ordnance Survey Plan

Published 1960 - 1975

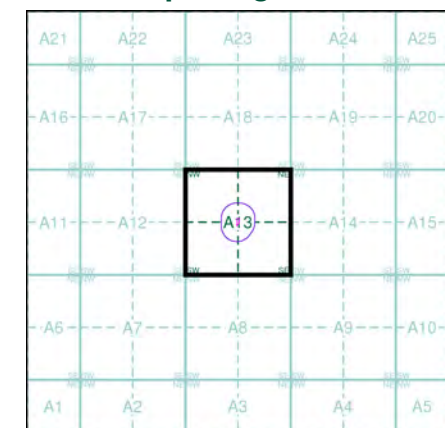
Source map scale - 1:1,250

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)

SD7607NW 1975 1:1,250	SD7607NE 1960 1:1,250
SD7607SW 1968 1:1,250	SD7607SE 1971 1:1,250

Historical Map - Segment A13



Order Details

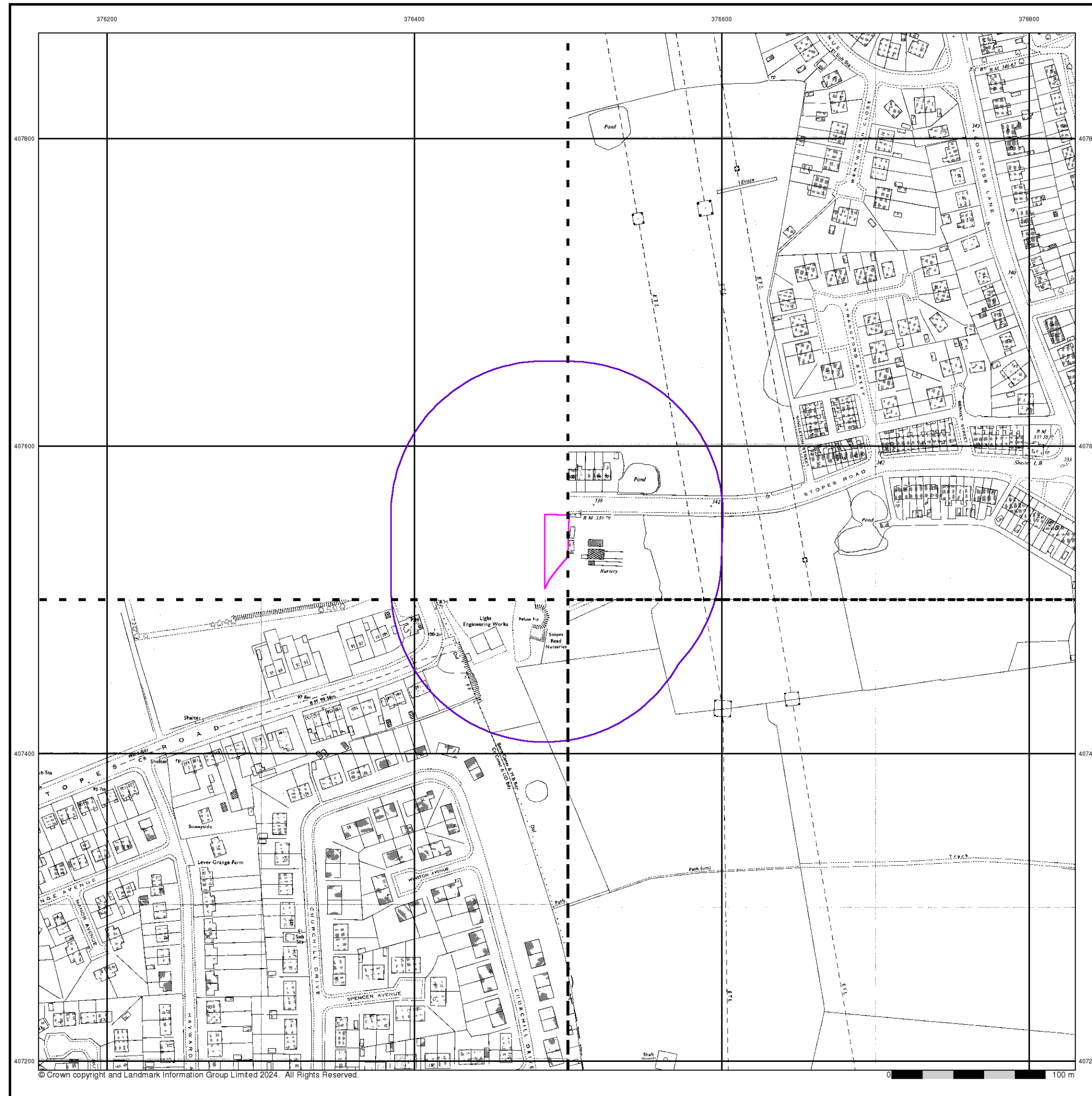
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540



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Ordnance Survey Plan

Published 1967 - 1975

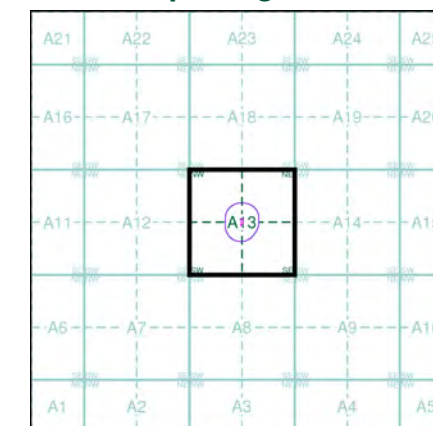
Source map scale - 1:1,250

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)

SD7607NE	1967	1:1,250
SD7607SW	1971	1:1,250
SD7607SE	1975	1:1,250

Historical Map - Segment A13



Order Details

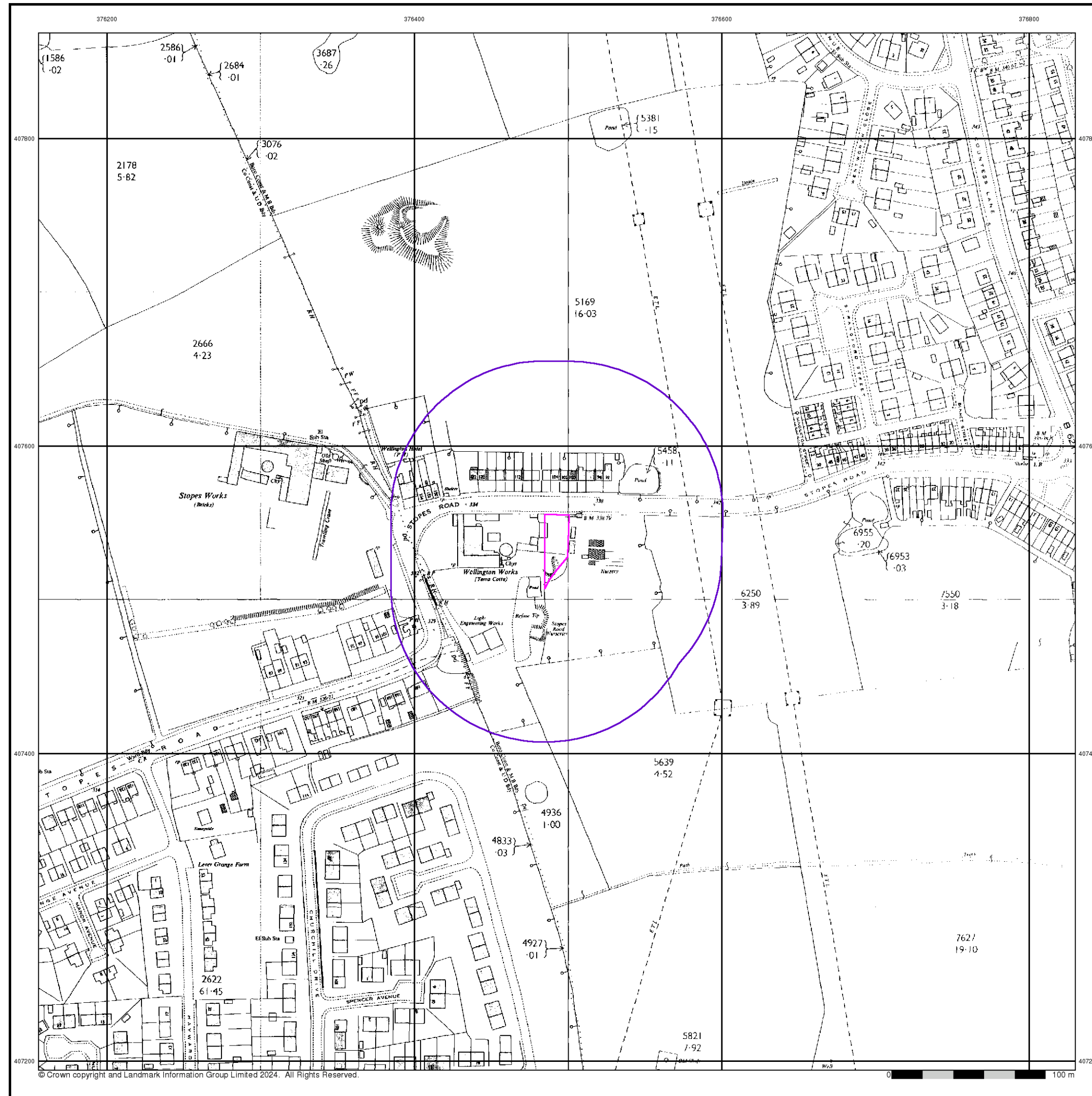
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540



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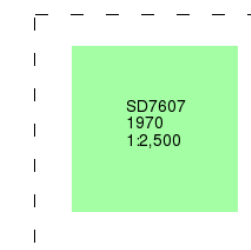
Ordnance Survey Plan

Published 1970

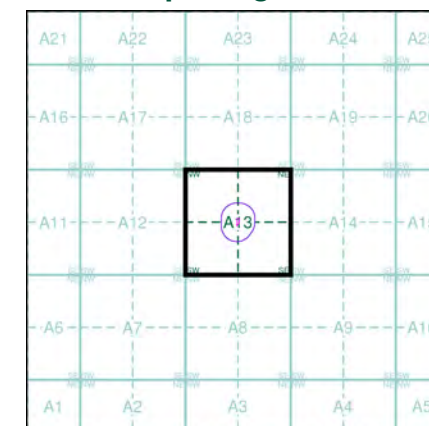
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

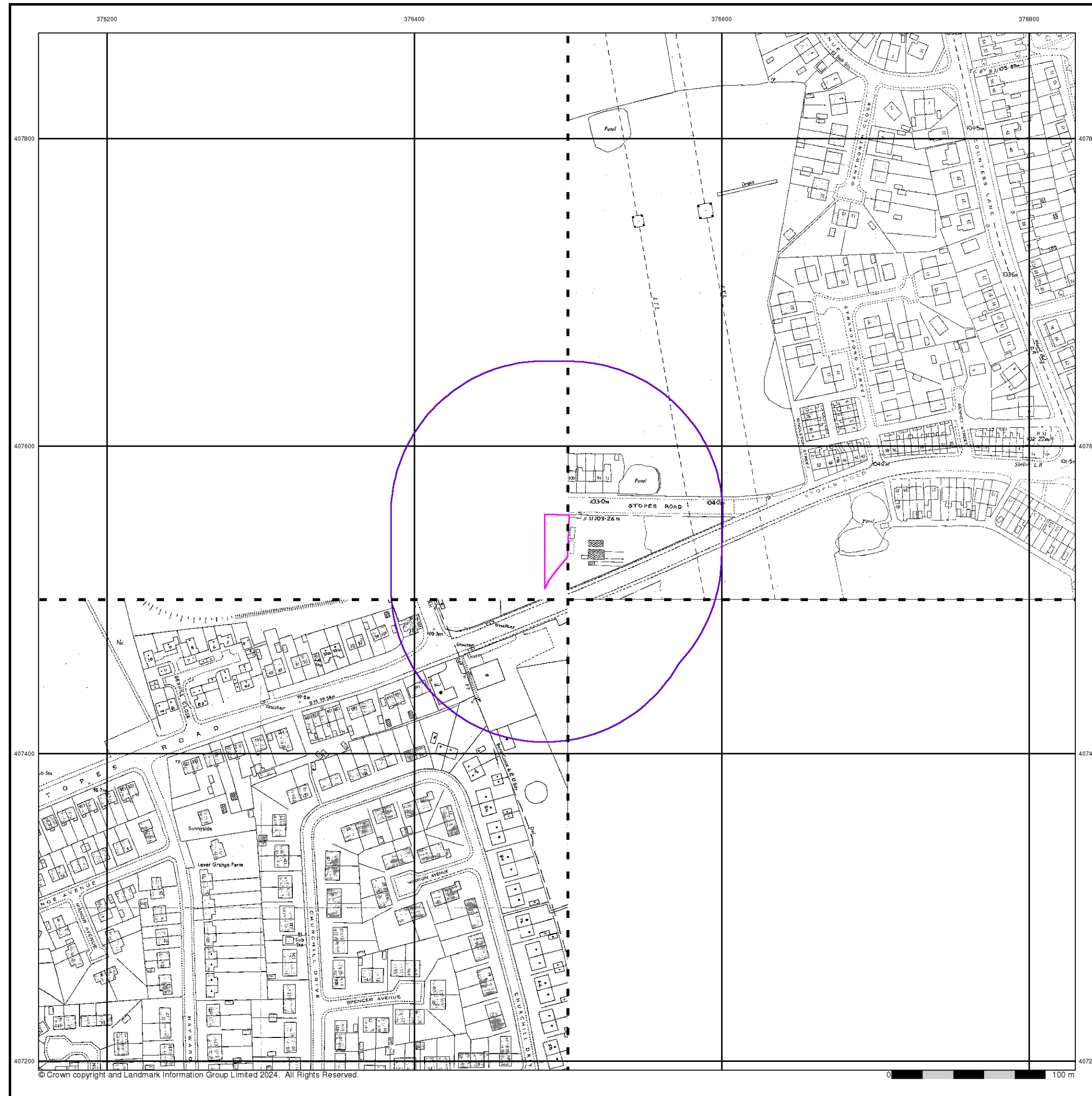
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540

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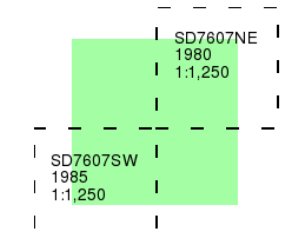
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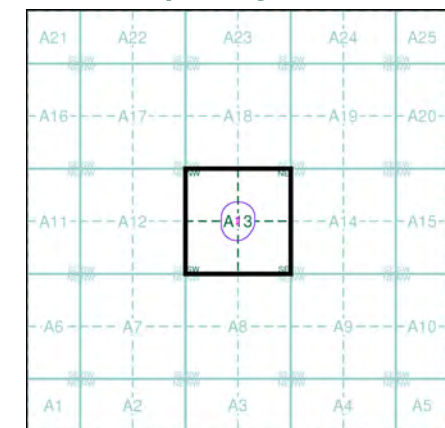
Published 1980 - 1985
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

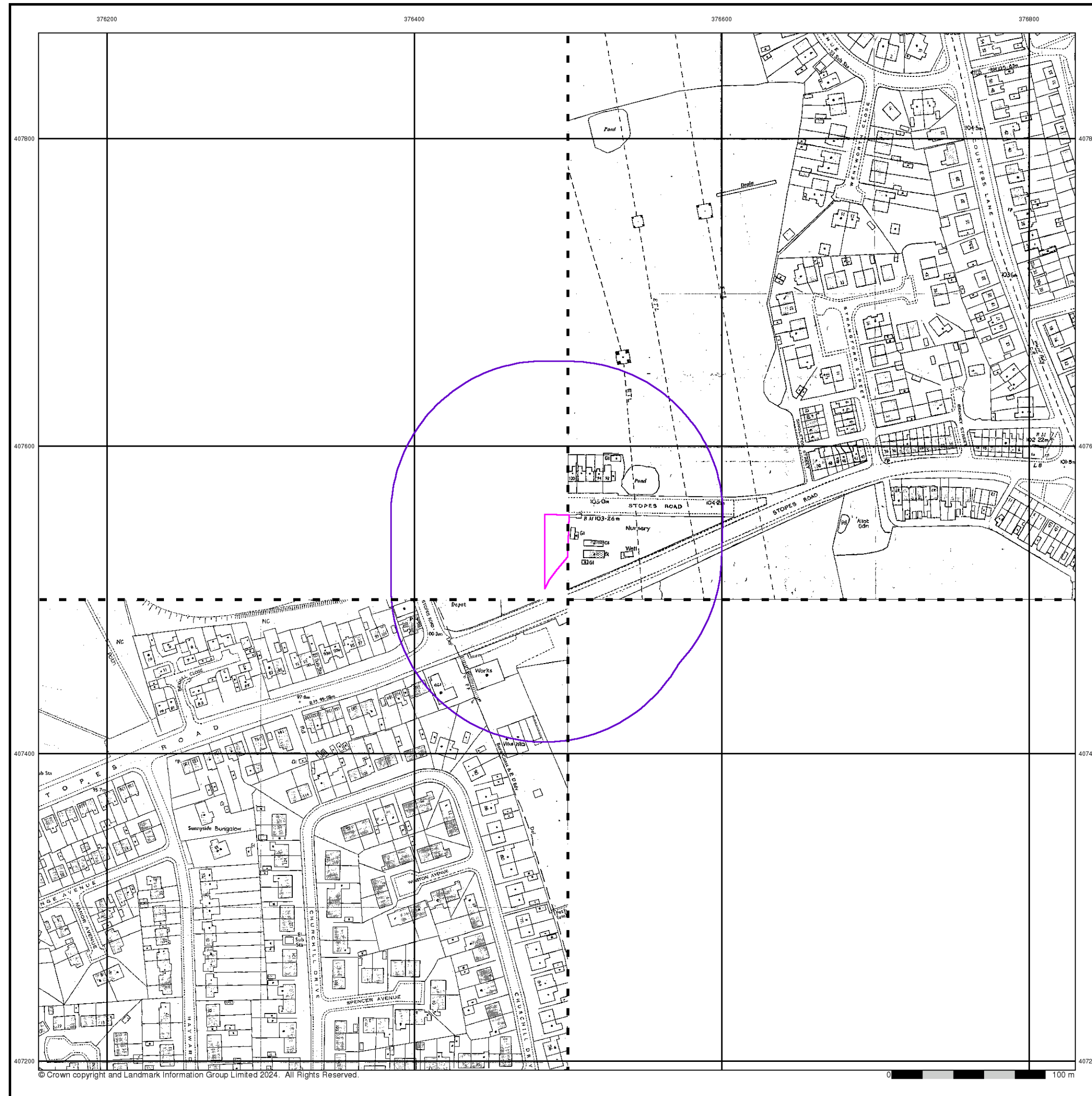
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540



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0 100 m

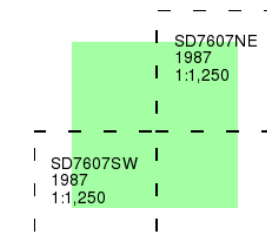
LK
GROUP
Additional SIMs

Published 1987

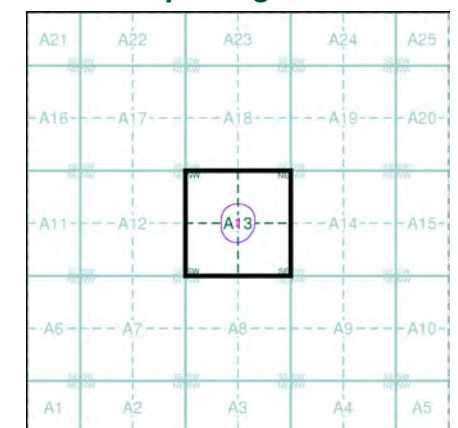
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

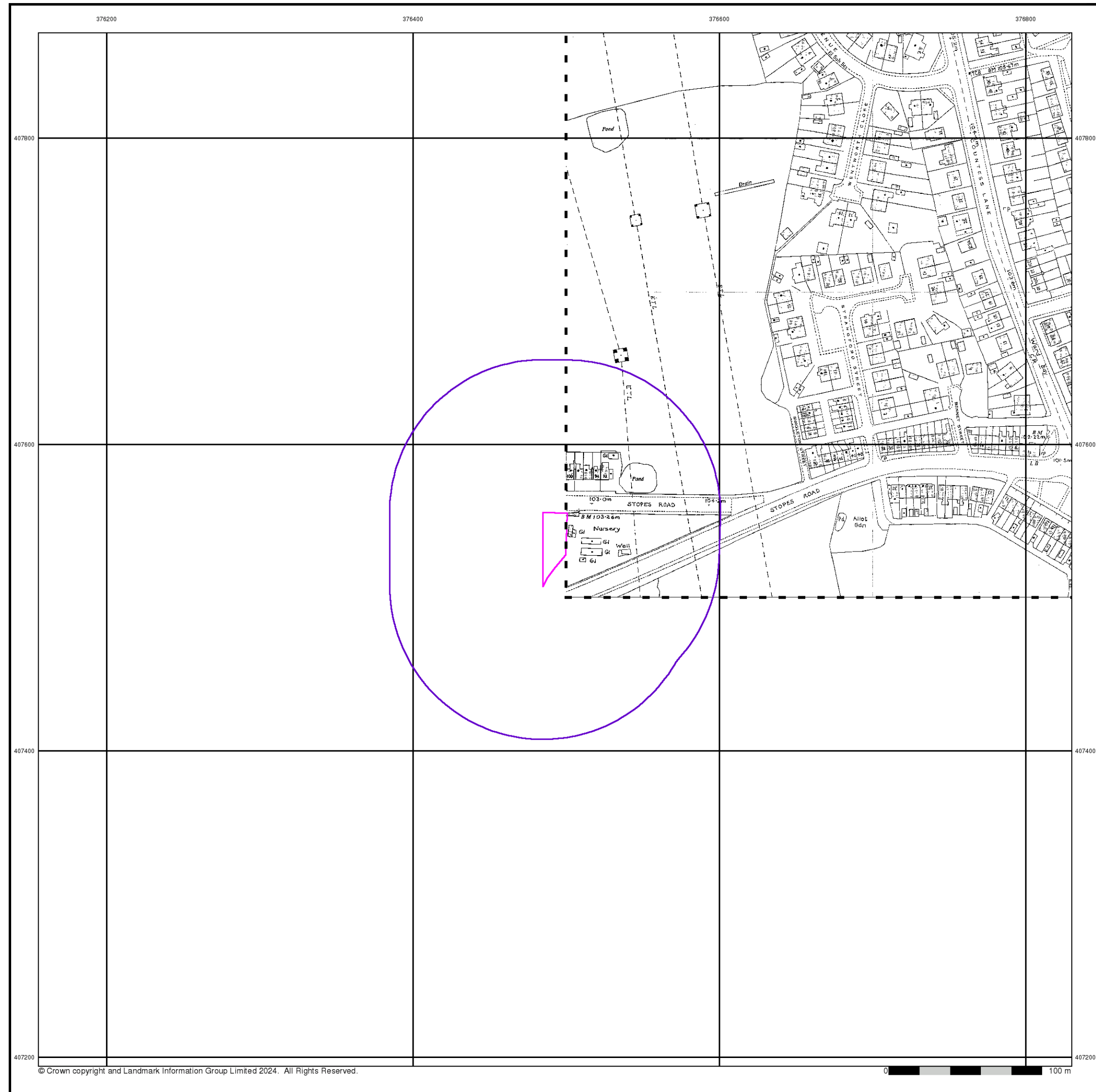
Order Number: 345341568_1_1
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Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540

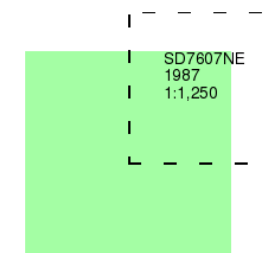
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Web: www.envirocheck.co.uk

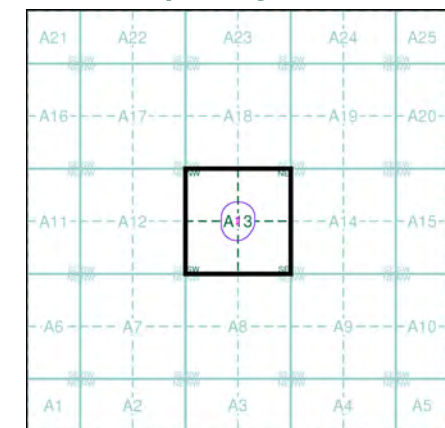


The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps 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: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540



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Large-Scale National Grid Data

Published 1992

Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD7607NW	SD7607NE
1992	1992
1:1,250	1:1,250
SD7607SW	SD7607SE
1992	1992
1:1,250	1:1,250

Historical Map - Segment A13

Order Details

Order Number: 345341568_1_1

Customer Ref: LKC 24 1154

National Grid Reference: 376490, 407530

Slice: A

Site Area (Ha): 0.06

Search Buffer (m): 100

Site Details

Site at 376490, 407540

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A Landmark Information Group Service v50.0 02-May-2024 Page 14 of 15



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0 100 m

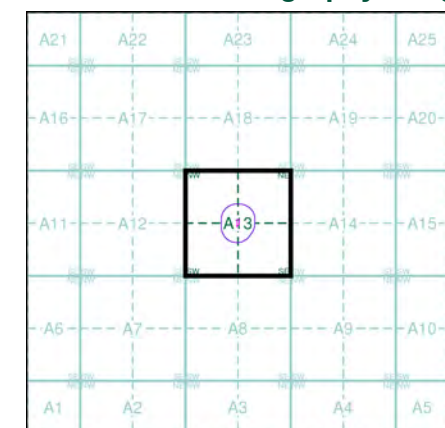


Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Site at 376490, 407540



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

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS		Ch
	CH		F E Sta
	FB		Fn
	GP		MP
	MS		Pol Sta
	PO		PC
	PH		SB
	Spr		TCB
	TCP		W

1:10,000 Raster Mapping

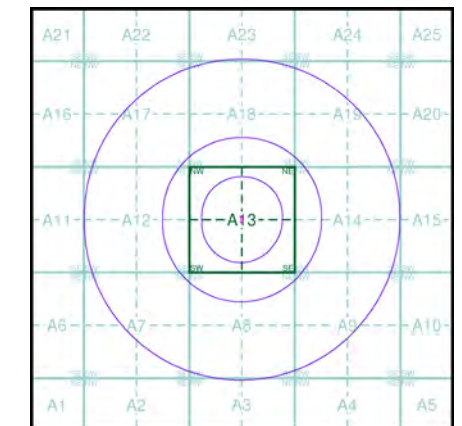
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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 - 1895	4
Lancashire And Furness	1:10,560	1910 - 1911	5
Lancashire And Furness	1:10,560	1930 - 1931	6
Lancashire And Furness	1:10,560	1938	7
Ordnance Survey Plan	1:10,000	1955	8
Ordnance Survey Plan	1:10,000	1965	9
Manchester	1:25,000	1975	10
Ordnance Survey Plan	1:10,000	1980	11
Ordnance Survey Plan	1:10,000	1989	12
Ordnance Survey Plan	1:10,000	1992	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2024	16

Historical Map - Slice A



Order Details

Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Site at 376490, 407540

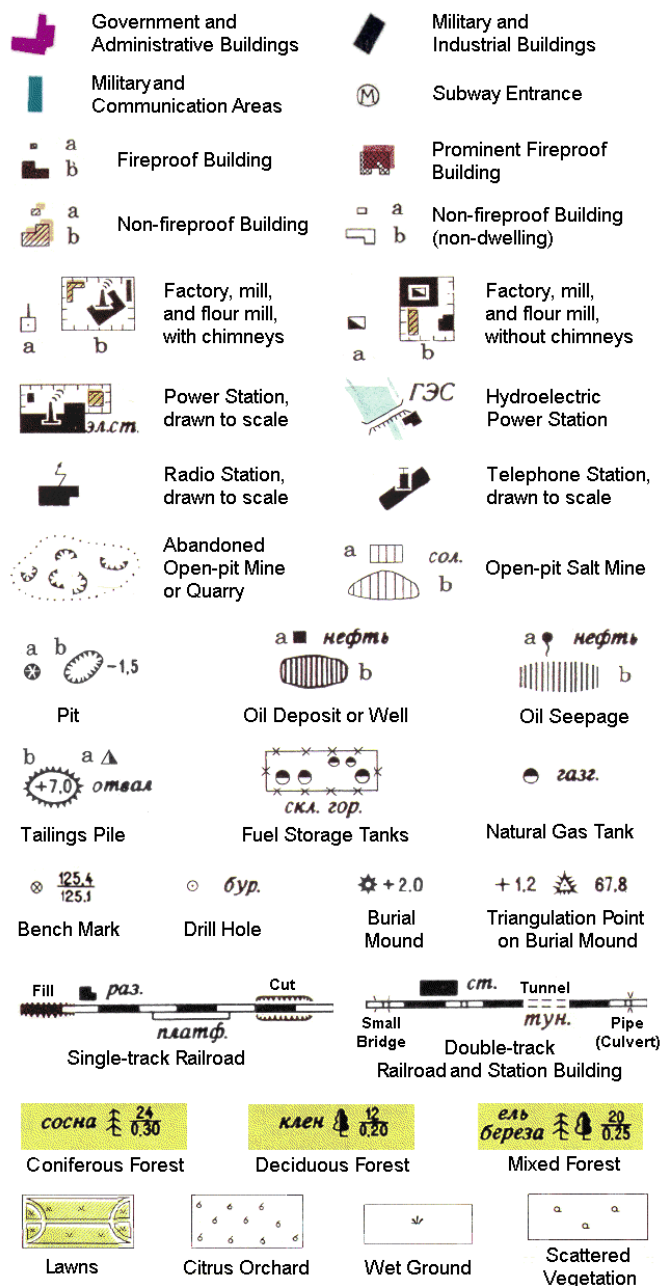


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Russian Military Mapping Legends

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

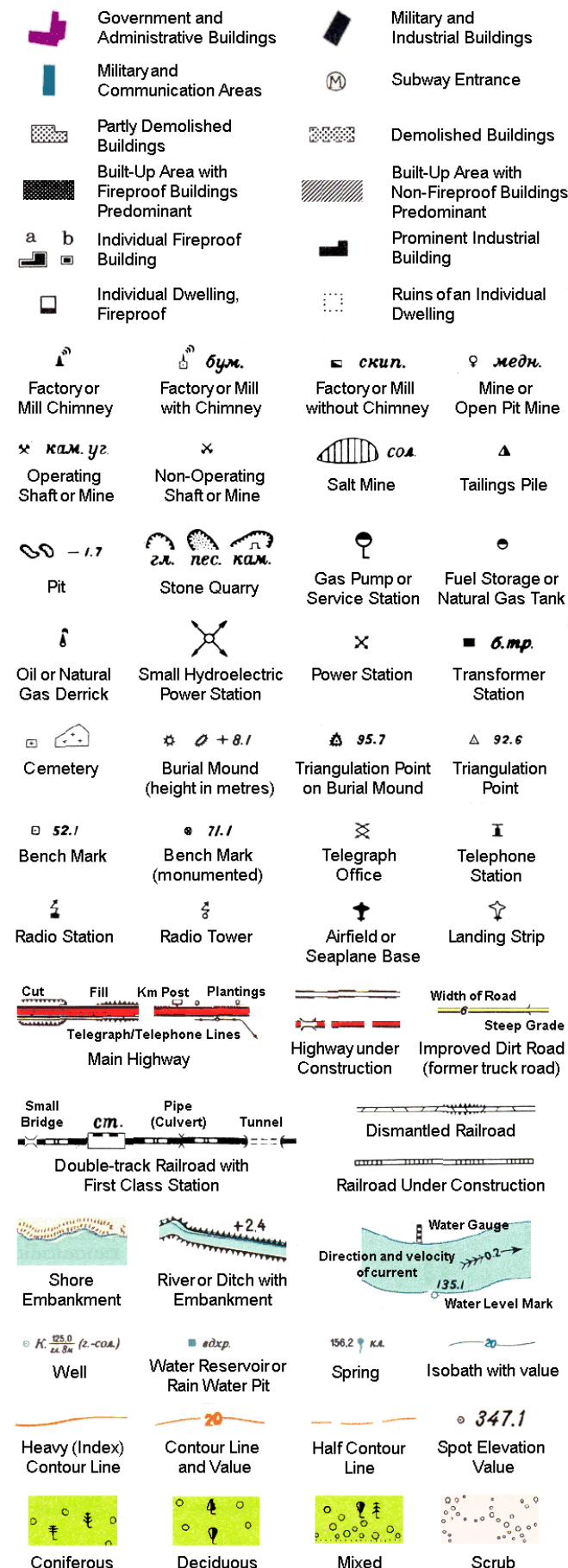
180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale



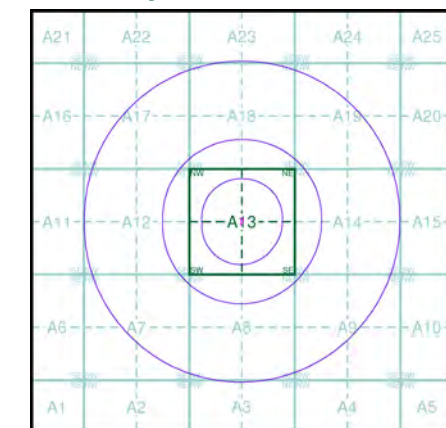
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1850	3
Lancashire And Furness	1:10,560	1894 - 1895	4
Lancashire And Furness	1:10,560	1910 - 1911	5
Lancashire And Furness	1:10,560	1930 - 1931	6
Lancashire And Furness	1:10,560	1938	7
Ordnance Survey Plan	1:10,000	1955	8
Ordnance Survey Plan	1:10,000	1965	9
Manchester	1:25,000	1975	10
Ordnance Survey Plan	1:10,000	1980	11
Ordnance Survey Plan	1:10,000	1989	12
Ordnance Survey Plan	1:10,000	1992	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2024	16

Russian Map - Slice A



Order Details

Order Number: 345341568_1_1
 Customer Ref: LKC 24 1154
 National Grid Reference: 376490, 407530
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

Site at 376490, 407540



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Lancashire And Furness

Published 1850

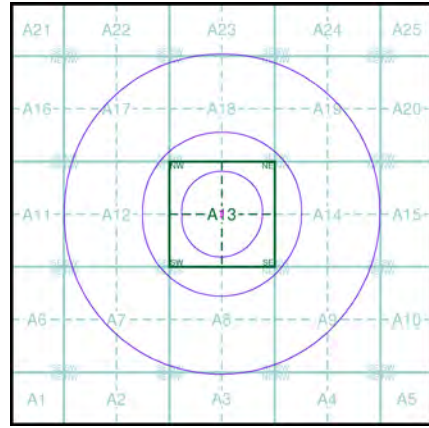
Source map scale - 1:10,560

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)

08700	1850	1:10,560
09500	1850	1:10,560

Historical Map - Slice A



Order Details

Order Number:	345341568_1_1
Customer Ref:	LKC 24 1154
National Grid Reference:	376490, 407530
Slice:	A
Site Area (Ha):	0.06
Search Buffer (m):	1000

Site Details

Site at 376490, 407540



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Lancashire And Furness

Published 1894 - 1895

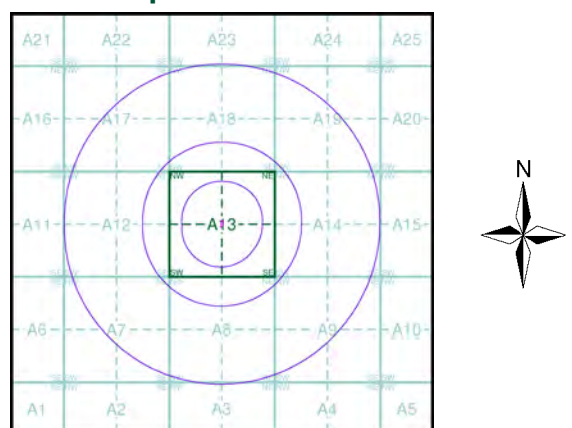
Source map scale - 1:10,560

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)

087SE	1894	1:10,560
095NE	1895	1:10,560

Historical Map - Slice A



Order Details

Order Number:	345341568_1_1
Customer Ref:	LKC 24 1154
National Grid Reference:	376490, 407530
Slice:	A
Site Area (Ha):	0.06
Search Buffer (m):	1000

Site Details

Site at 376490, 407540



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Lancashire And Furness

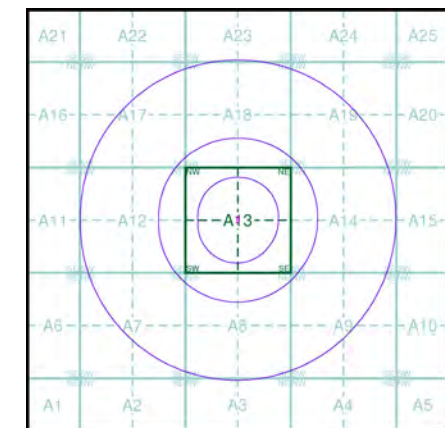
Published 1910 - 1911
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

087SE
1911
1:10,560
095NE
1910
1:10,560

Historical Map - Slice A



Order Details

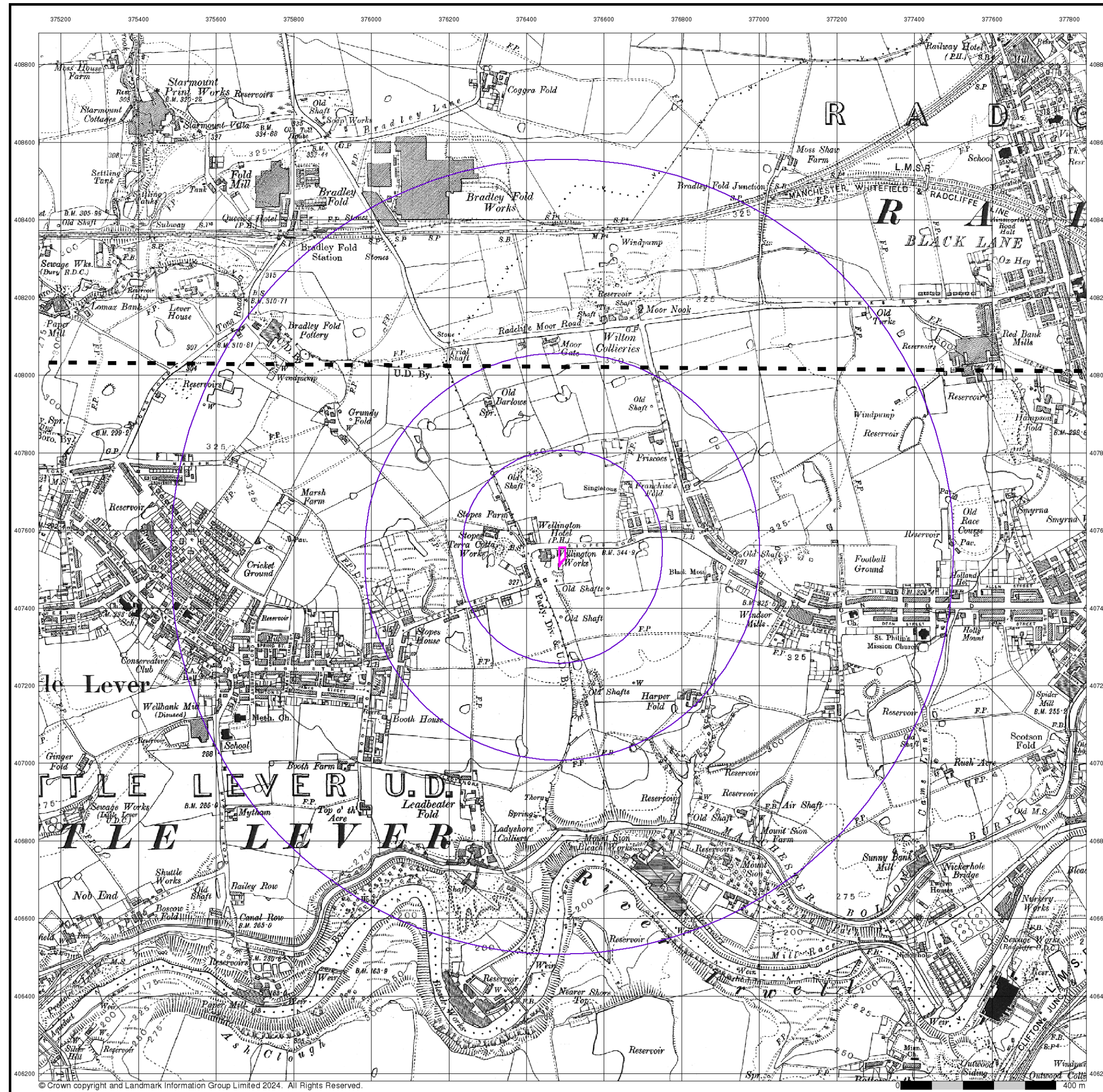
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Site at 376490, 407540

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Lancashire And Furness

Published 1930 - 1931

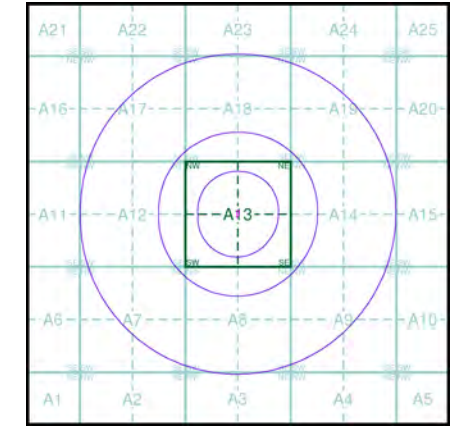
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

087SE
1931
1:10,560
095NE
1930
1:10,560

Historical Map - Slice A



Order Details

Order Number:	345341568_1_1
Customer Ref:	LKC 24 1154
National Grid Reference:	376490, 407530
Slice:	A
Site Area (Ha):	0.06
Search Buffer (m):	1000

Site Details

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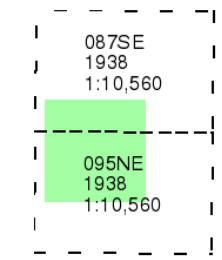
Lancashire And Furness

Published 1938

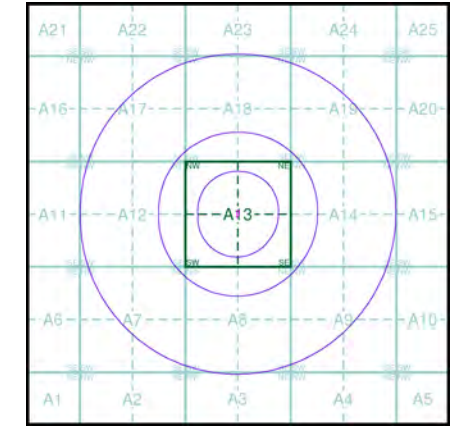
Source map scale - 1:10,560

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: 345341568_1_1
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Site Details

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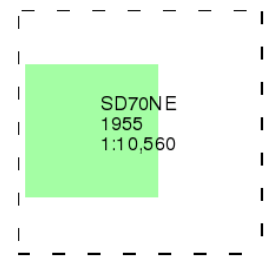
LK GROUP

Ordnance Survey Plan

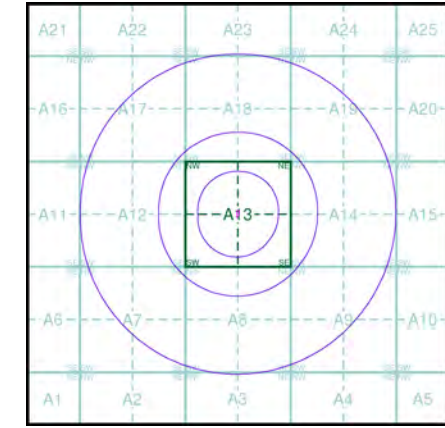
Published 1955
Source map scale - 1:10,000

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

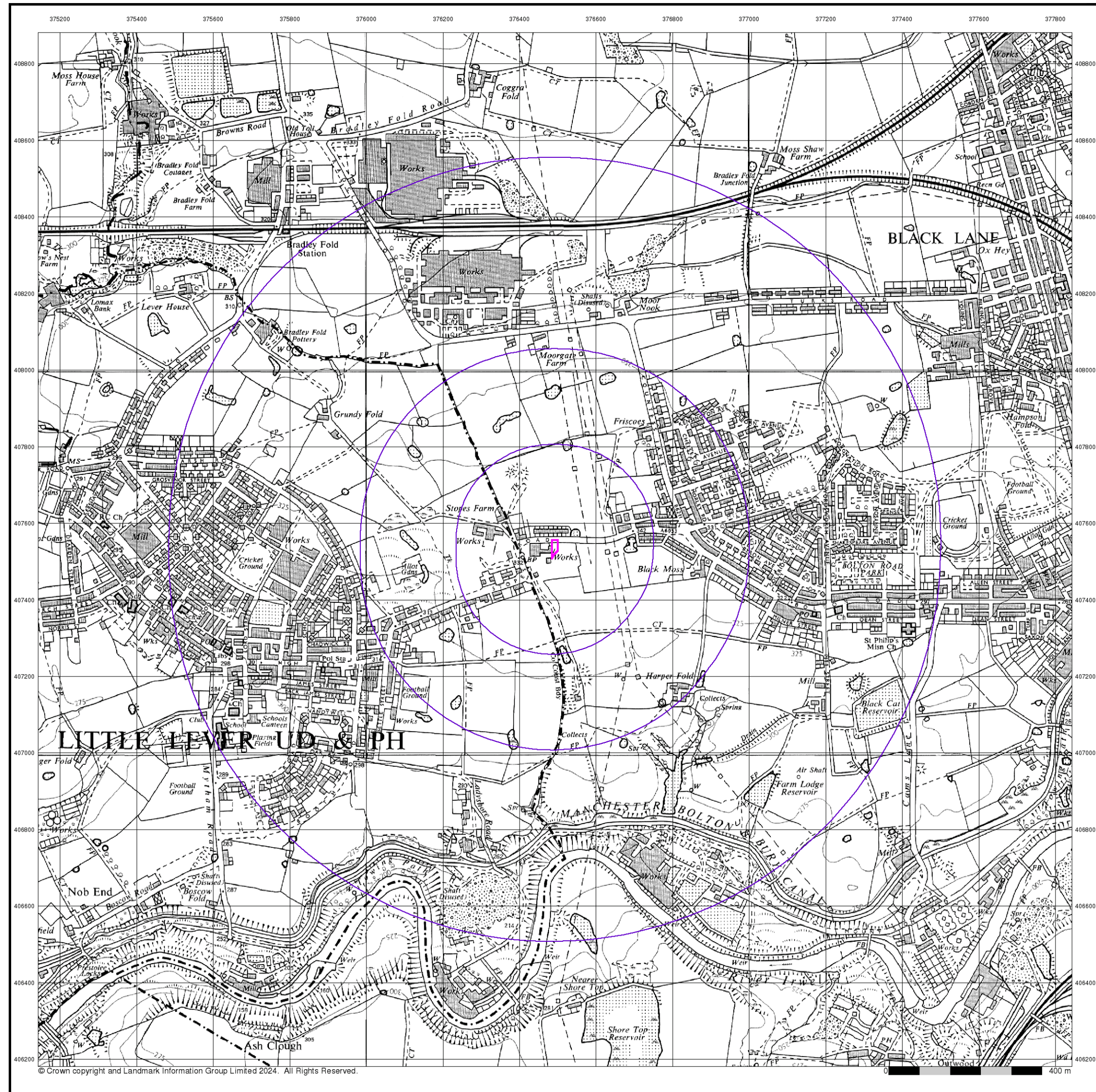
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Site at 376490, 407540



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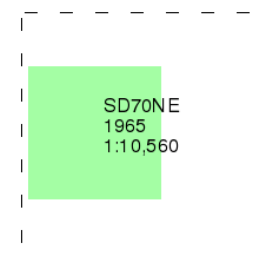
Ordnance Survey Plan

Published 1965

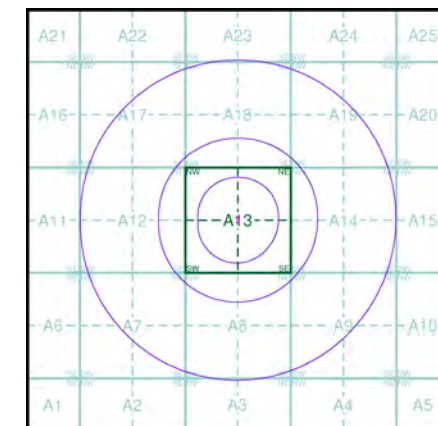
Source map scale - 1:10,000

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: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Site at 376490, 407540

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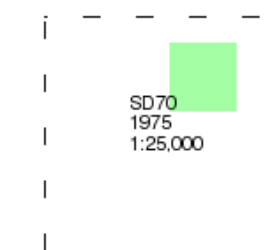
Published 1975

Source map scale - 1:25,000

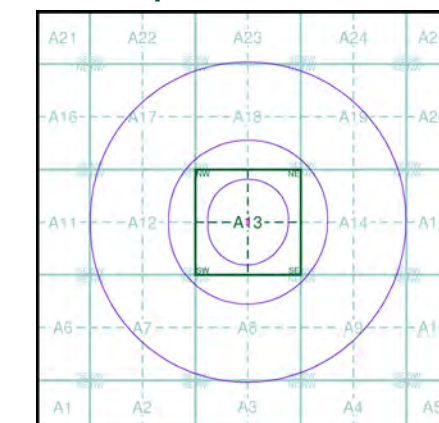
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed 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)



Russian Map - Slice A

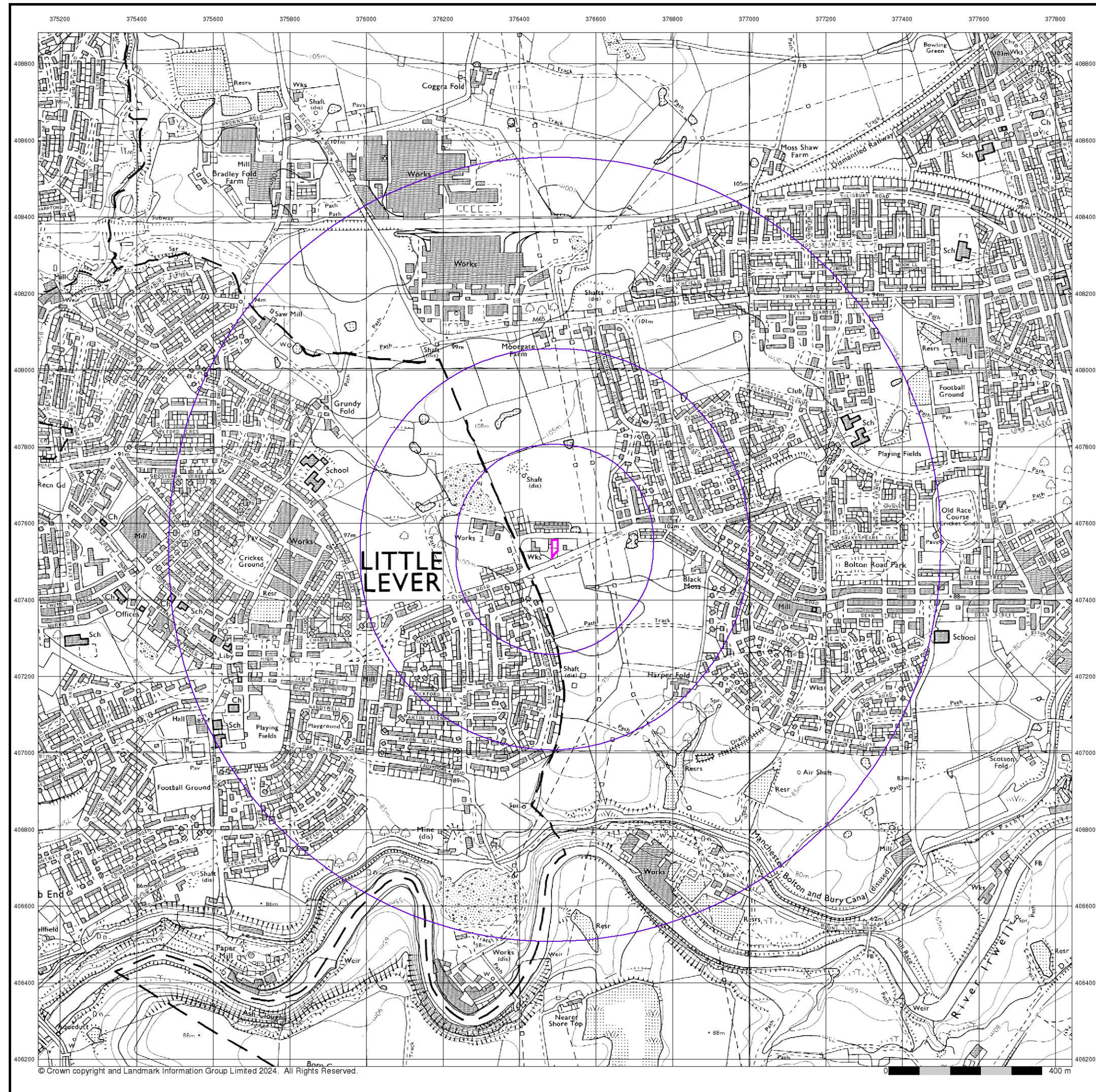


Order Details

Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
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Site Details

Site at 376490, 407540



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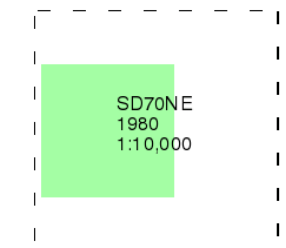
Ordnance Survey Plan

Published 1980

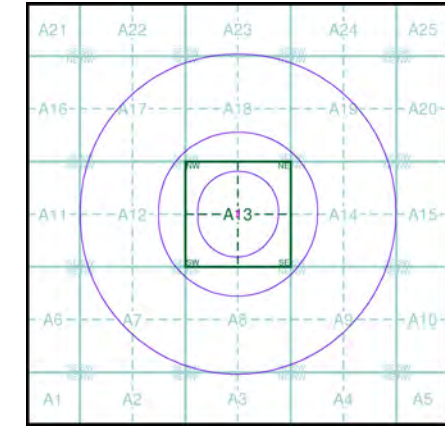
Source map scale - 1:10,000

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

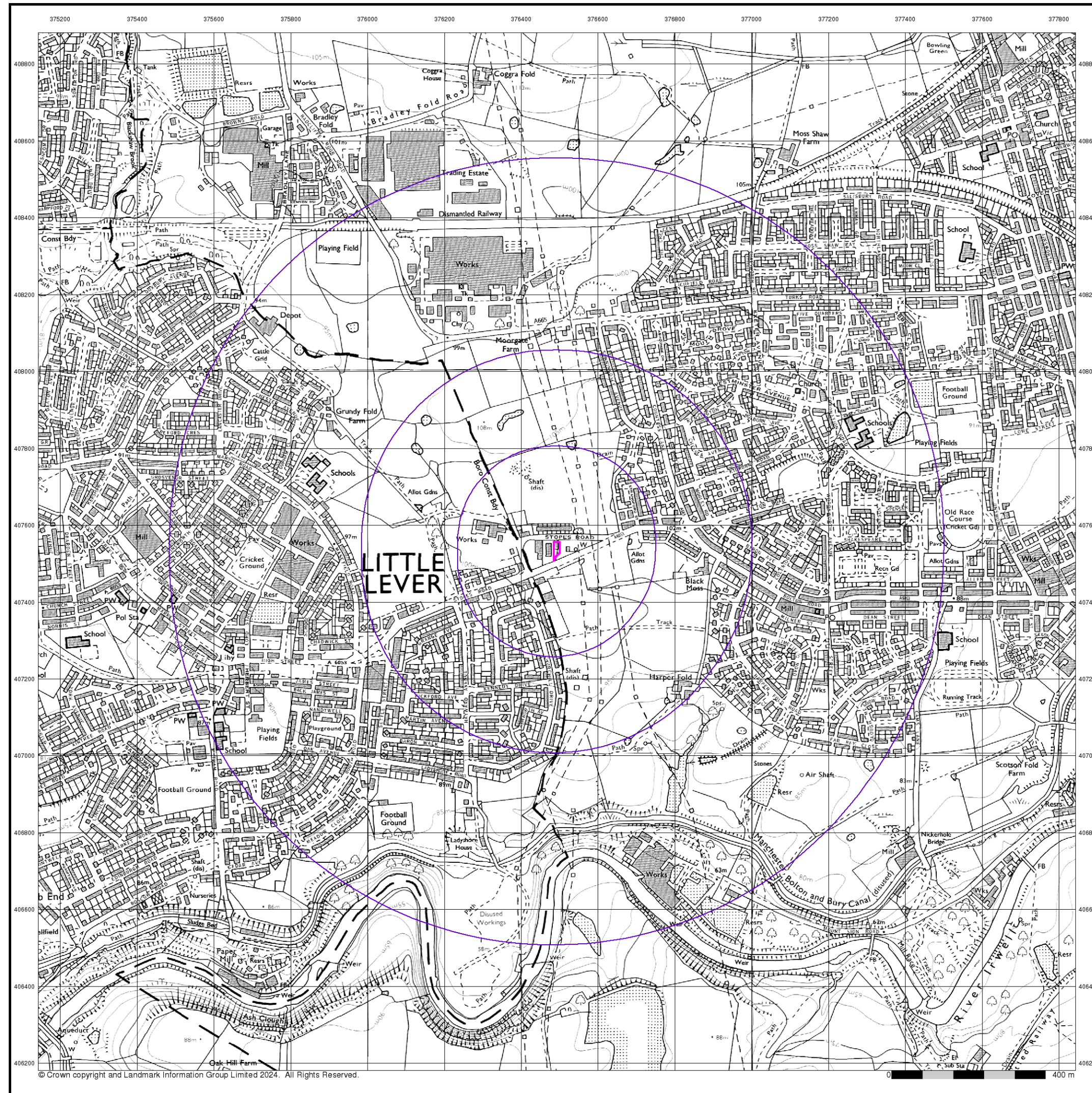


Order Details

Order Number:	345341568_1_1
Customer Ref:	LKC 24 1154
National Grid Reference:	376490, 407530
Slice:	A
Site Area (Ha):	0.06
Search Buffer (m):	1000

Site Details

Site at 376490, 407540



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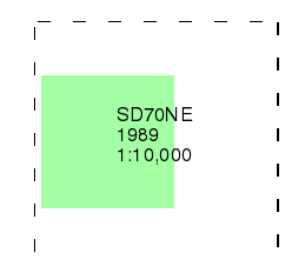
Ordinance Survey Plan

Published 1989

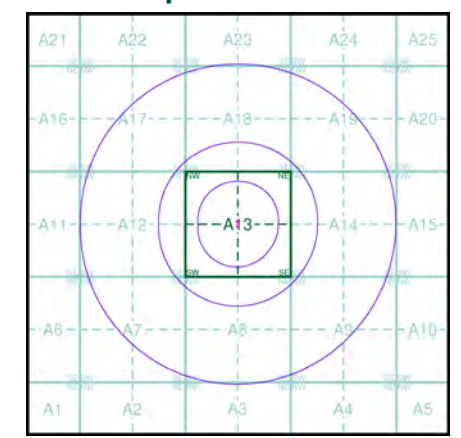
Source map scale - 1:10,000

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

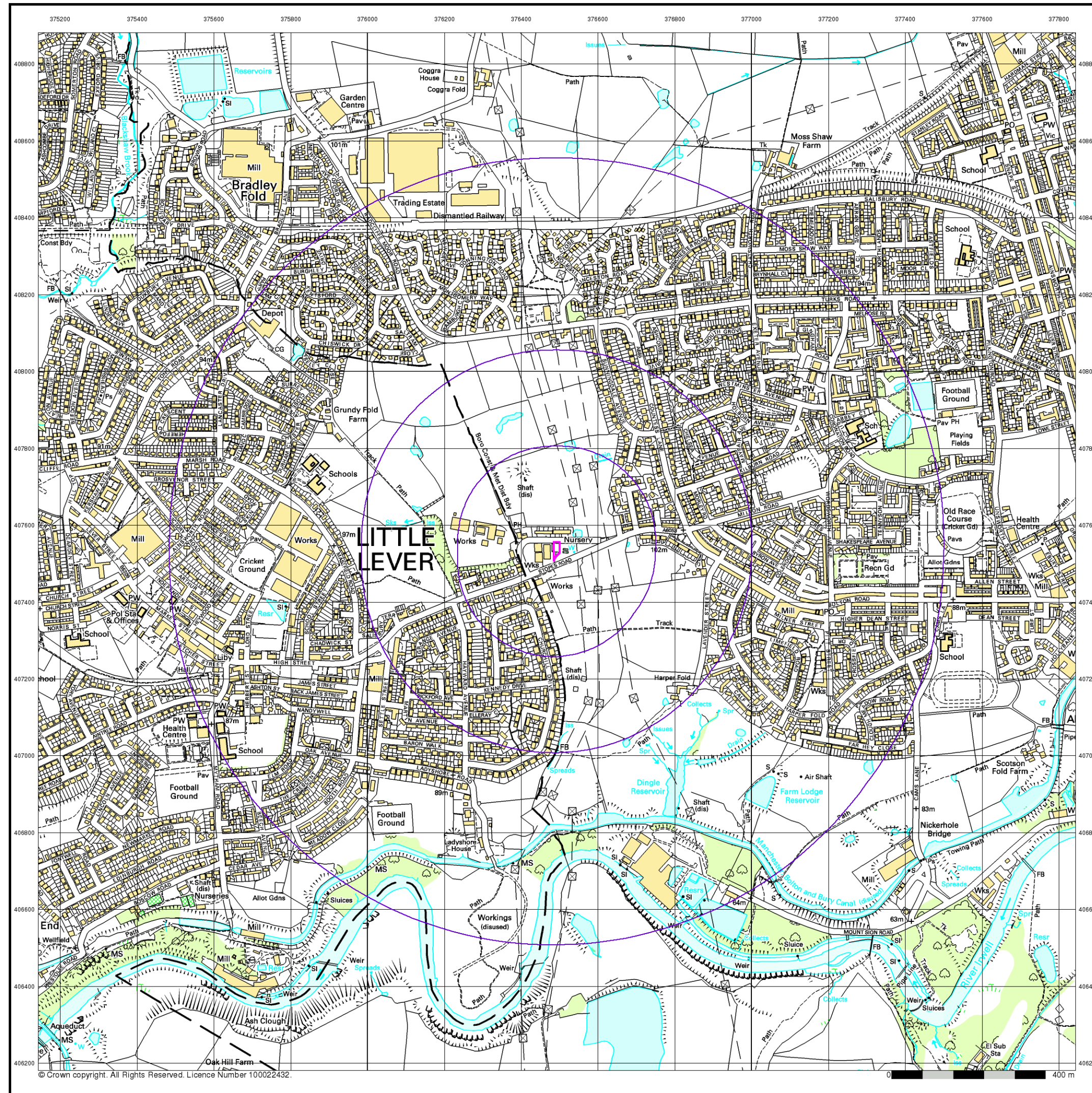
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

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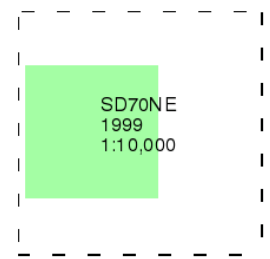
10k Raster Mapping

Published 1999

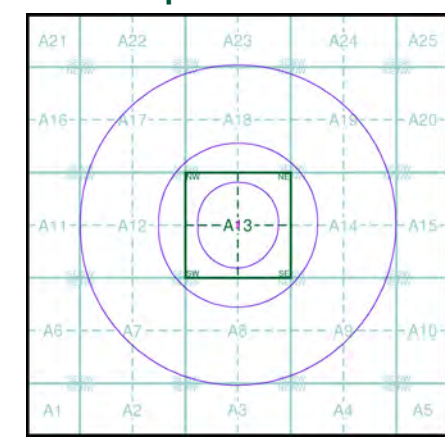
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

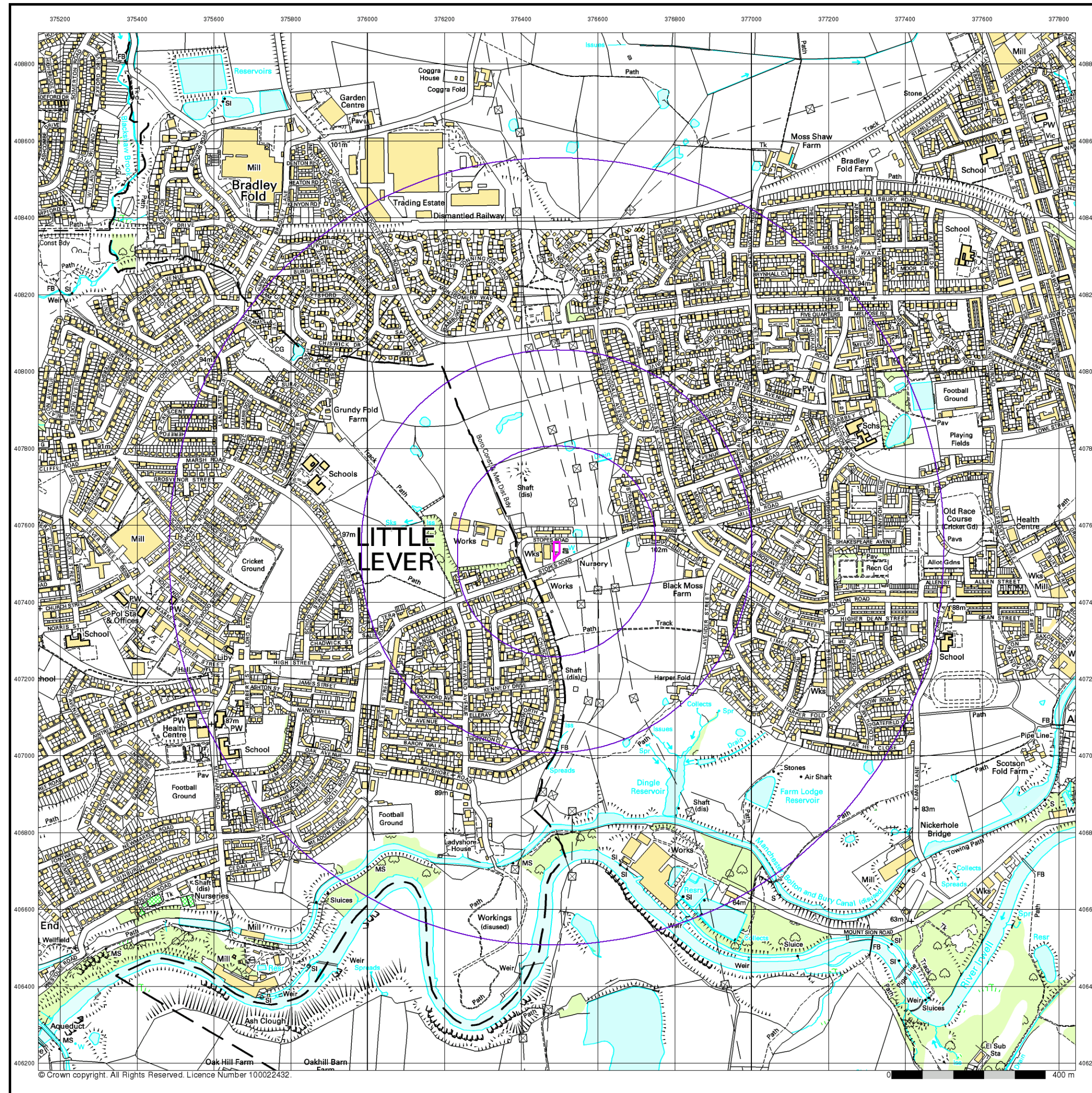
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Search Buffer (m):	1000

Site Details

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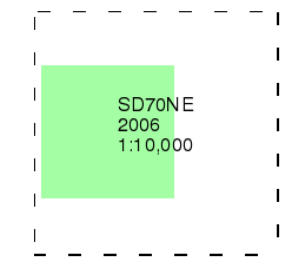
10k Raster Mapping

Published 2006

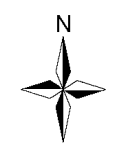
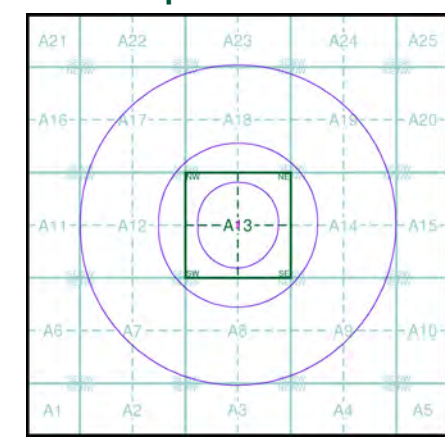
Source map scale - 1:10,000

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)



Historical Map - Slice A



Order Details

Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Site at 376490, 407540



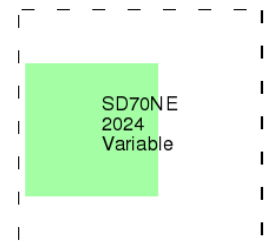
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



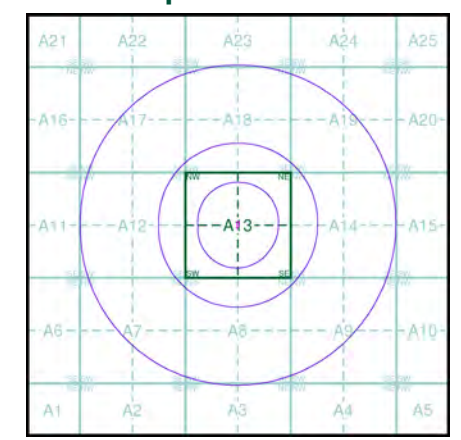
LK
GROUP
VectorMap Local
Published 2024
Source map scale - 1:10,000

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)



Historical Map - Slice A



Order Details

Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Site at 376490, 407540

Appendix B – Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

345341568_1_1

Customer Reference:

LKC 24 1154

National Grid Reference:

376490, 407530

Slice:

A

Site Area (Ha):

0.06

Search Buffer (m):

1000

Site Details:

Site at 376490, 407540

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	21
Hazardous Substances	-
Geological	28
Industrial Land Use	37
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Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 1				6
Integrated Pollution Prevention And Control	pg 2				2
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 3		1		5
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 4			1	3
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 4				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 4				4
Water Abstractions	pg 5		10		5 (*18)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 13	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 13	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 14		1	2	53

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 21				3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 21		5	9	15
Potentially Infilled Land (Water)	pg 23		5	16	43
Registered Landfill Sites	pg 27				1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 28	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 28	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 34		1	1	5
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	pg 35		Yes	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 37		10	7	43
Fuel Station Entries	pg 42				2
Points of Interest - Commercial Services	pg 42		5	4	18
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 44		22	2	15
Points of Interest - Public Infrastructure	pg 47			1	17
Points of Interest - Recreational and Environmental	pg 49			2	8
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 51	1	1		2
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	0	1	376490 407534
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	86	1	376400 407500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	138	1	376600 407650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	156	1	376650 407600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	185	1	376300 407534
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	235	1	376250 407534
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	247	1	376450 407800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	285	1	376200 407534
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	387	1	376250 407200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	395	1	376490 407950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	403	1	376300 407150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	417	1	376250 407900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	423	1	376150 407250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	446	1	376450 408000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	447	1	376200 407900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	463	1	376100 407250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	495	1	376500 408050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	495	1	376490 408050
1	Integrated Pollution Controls Name: Bettix Ltd Location: Fluro-Seal Department, William Street, Little Lever, BOLTON, Lancashire, BL3 1AR Authority: Environment Agency, North West Region Permit Reference: AL7847 Dated: 20th June 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.4 A (B) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location	A12SW (W)	698	2	375805 407350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Integrated Pollution Controls Name: Bettix Ltd Location: C/o Lorival Plastics, William Street, BOLTON, Lancashire, BL3 1AR Authority: Environment Agency, North West Region Permit Reference: BC1746 Dated: 15th February 1999 Process Type: IPC major (substantial) variation Description: 4.4 A (B) processes involving Halogens within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the address or location	A12SW (W)	699	2	375805 407345
1	Integrated Pollution Controls Name: Bettix Ltd Location: C/o Lorival Plastics, William Street, BOLTON, Lancashire, BL3 1AR Authority: Environment Agency, North West Region Permit Reference: BE6722 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (B) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location	A12SW (W)	699	2	375804 407350
2	Integrated Pollution Controls Name: Dexter Speciality Materials Ltd Location: Mount Sion Works, Sion Street, Radcliffe, MANCHESTER, M26 3SN Authority: Environment Agency, North West Region Permit Reference: Bj2946 Dated: 18th September 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Revoked - Now IPPC Positional Accuracy: Located by supplier to within 100m	A8SE (S)	867	2	376800 406700
2	Integrated Pollution Controls Name: Dexter Speciality Materials Ltd Location: Mount Sion Works, Sion Street, Radcliffe, MANCHESTER, M26 3SN Authority: Environment Agency, North West Region Permit Reference: BD3477 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m	A8SE (S)	867	2	376800 406700
2	Integrated Pollution Controls Name: Dexter Speciality Materials Ltd Location: Mount Sion Works, Sion Street, Radcliffe, MANCHESTER, M26 3SN Authority: Environment Agency, North West Region Permit Reference: AU0139 Dated: 18th April 1997 Process Type: IPC new application Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Located by supplier to within 100m	A8SE (S)	867	2	376800 406700
3	Integrated Pollution Prevention And Control Name: Ahlstrom-Munksjö Chirside Limited Location: Radcliffe Pulp Mill - Epr/Bj5970iu, Mount Sion Works, Sion Street, Radcliffe,, MANCHESTER, M26 3SN Authority: Environment Agency, North West Region Permit Reference: FP3830FH Original Permit Ref: Bj5970iu Effective Date: 20th December 2011 Status: Effective Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 6.1 A(1) (A) Activity Description: Paper, Pulp And Board; Producing Pulp From Timber Etc Primary Activity: Y	A8SE (S)	875	2	376784 406686

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Integrated Pollution Prevention And Control Name: Ahlstrom-Munksjö Chirnside Limited Location: Radcliffe Pulp Mill - Epr/Bj5970iu, Mount Sion Works, Radcliffe Pulp Mill - Epr/Bj5970iu, Sion Street, Radcliffe,, MANCHESTER, M26 3SN Authority: Environment Agency, North West Region Permit Reference: Bj5970iu Original Permit Ref: Bj5970iu Effective Date: 20th December 2011 Status: Effective Application Type: Variation (Administrative) App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.1 A(1) (A) Activity Description: Paper, Pulp And Board; Producing Pulp From Timber Etc Primary Activity: Y	A8SE (S)	875	2	376784 406686
4	Local Authority Pollution Prevention and Controls Name: Tarmac Limited Location: Stopes Road, Little Lever, BOLTON, Lancashire, BL3 1NR Authority: Bolton Metropolitan Borough Council, Environmental Health Department Permit Reference: MP/15 Dated: 26th March 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Authorisation has varied Positional Accuracy: Manually positioned to the address or location	A13NW (W)	97	3	376388 407551
5	Local Authority Pollution Prevention and Controls Name: Radcliffe Tyre Centre Location: Radcliffe Moor Road, Radcliffe, M26 3WL Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC11-03 Dated: 1st February 2012 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Manually positioned to the address or location	A18SE (N)	536	4	376508 408091
6	Local Authority Pollution Prevention and Controls Name: M B E Motor Services Location: High Street, Little Lever, BOLTON, Lancashire, BL3 1NB Authority: Bolton Metropolitan Borough Council, Environmental Health Department Permit Reference: PP/31 Dated: 7th June 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	596	3	375940 407266
7	Local Authority Pollution Prevention and Controls Name: Turks Service Station Location: Turks Road, Radcliffe, BURY, Lancashire, M26 0NW Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC05-12 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A18SE (N)	626	4	376667 408158
8	Local Authority Pollution Prevention and Controls Name: Classic Cleaners Location: 7 Market Street, Little Lever, Bolton, BL3 1hh Authority: Bolton Metropolitan Borough Council, Environmental Health Department Permit Reference: DC/7 Dated: 1st April 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Site Closed Positional Accuracy: Manually positioned to the address or location	A12SW (W)	930	3	375588 407262
8	Local Authority Pollution Prevention and Controls Name: Classic Cleaners Location: 7 Market Street, Little Lever Authority: Bolton Metropolitan Borough Council, Environmental Health Department Permit Reference: DC/7 Dated: 1st April 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Located by supplier to within 10m	A12SW (W)	934	3	375585 407260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	A13NE (NE)	40	-	376537 407569
9	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; No Pollution Found Incident Date: 6th November 1995 Incident Reference: 95622720 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	461	2	376900 407300
10	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Irwell; No Pollution Found Incident Date: 10th June 1995 Incident Reference: 95621384 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	810	2	377100 408100
11	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Haywood Road , LITTLE LEVER Authority: Environment Agency, North West Region Pollutant: Low Dissolved Oxygen Note: Dead Fish On Bolton Canal At Incident Date: 28th July 1998 Incident Reference: SO981351 Catchment Area: Manchester; Bolton; Bury Canal Receiving Water: Canal Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	858	2	376000 406800
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Fire water / Foam Note: Not Supplied Incident Date: 12th July 1993 Incident Reference: 93611427 Catchment Area: Croal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	985	2	375500 407500
	River Quality Name: Irwell GQA Grade: River Quality E Reach: Roch To Salford University Estimated Distance (km): 22.9 Flow Rate: Flow less than 20 cumecs Flow Type: River Year: 2000	A8SE (S)	892	2	376600 406623
13	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 11th December 2003 Incident Reference: 206132 Water Impact: Category 3 - Minor Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Other	A8NE (SE)	529	2	376816 407095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 18th January 2004 Incident Reference: 211457 Water Impact: Category 3 - Minor Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Specific Waste Materials: Commercial Waste	A9NW (SE)	560	2	376842 407077
14	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 25th June 2001 Incident Reference: 11415 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Other Contaminated Water	A14NE (E)	918	2	377370 407849
15	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 4th July 2009 Incident Reference: 694682 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Pollutant Not Identified: Not Identified	A19SE (NE)	961	2	377389 407920
16	Water Abstractions Operator: Tarmac Building Products Limited Licence Number: 2569004051 Permit Version: 104 Location: Borehole At Stopes Rd, Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Stopes Road, Little Lever Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st November 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	155	2	376330 407550
16	Water Abstractions Operator: Tarmac Building Products Limited Licence Number: 2569004051 Permit Version: 104 Location: Borehole At Stopes Rd, Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Stopes Road, Little Lever Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st November 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	155	2	376330 407550
16	Water Abstractions Operator: Tarmac Building Products Limited Licence Number: 2569004051 Permit Version: 103 Location: Borehole At Stopes Rd, Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Stopes Road, Little Lever Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th December 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	155	2	376330 407550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Water Abstractions Operator: Tarmac Building Products Limited Licence Number: 2569004051 Permit Version: 103 Location: Borehole At Stopes Rd, Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Stopes Road, Little Lever Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th December 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	155	2	376330 407550
16	Water Abstractions Operator: Tarmac Building Products Limited Licence Number: 2569004051 Permit Version: 102 Location: Borehole At Stopes Rd, Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Stopes Road, Little Lever Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th October 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	155	2	376330 407550
16	Water Abstractions Operator: Tarmac Building Products Limited Licence Number: 2569004051 Permit Version: 102 Location: Borehole At Stopes Rd, Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Stopes Road, Little Lever Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th October 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	155	2	376330 407550
16	Water Abstractions Operator: Tarmac Limited Licence Number: 2569004051 Permit Version: 101 Location: Borehole At Stopes Rd, Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Stopes Road, Little Lever Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th July 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	155	2	376330 407550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Water Abstractions Operator: Tarmac Limited Licence Number: 2569004051 Permit Version: 101 Location: Borehole At Stopes Rd, Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Stopes Road, Little Lever Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th July 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	155	2	376330 407550
16	Water Abstractions Operator: Tarmac Topblock Ltd Licence Number: 2569004051 Permit Version: 100 Location: Borehole At Stopes Rd, Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Stopes Road, Little Lever Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th April 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	155	2	376330 407550
16	Water Abstractions Operator: Tarmac Topblock Ltd Licence Number: 2569004051 Permit Version: 100 Location: Borehole At Stopes Rd, Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 168 Yearly Rate (m3): 30000 Details: Land At Stopes Road, Little Lever Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th April 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	155	2	376330 407550
17	Water Abstractions Operator: Lorival Plastics Ltd Licence Number: 2569003027 Permit Version: 100 Location: Reservoir Fed By Surface Drainage At premises, Little Lever, Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1455 Yearly Rate (m3): 295490 Details: Premises At Little Lever, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th February 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SW (W)	793	2	375700 407400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Water Abstractions Operator: Ahlstrom-Munksjö Chirnside Ltd Licence Number: 2569004024 Permit Version: 103 Location: River Irwell At Mount Sion Works Radcliffe Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Mount Sion Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th June 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	961	2	376800 406600
18	Water Abstractions Operator: Ahlstrom Chirnside Ltd Licence Number: 2569004024 Permit Version: 102 Location: River Irwell At Mount Sion Works Radcliffe Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Mount Sion Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st November 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	961	2	376800 406600
18	Water Abstractions Operator: Ahlstrom Dexter Ltd Licence Number: 2569004024 Permit Version: 101 Location: R Irwell At Mount Sion Works, Radcliffe Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Mount Sion Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st September 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	961	2	376800 406600
18	Water Abstractions Operator: Dexter Non Wovens Licence Number: 2569004024 Permit Version: 100 Location: R Irwell At Mount Sion Works, Radcliffe 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): 8183 Yearly Rate (m3): 2127528 Details: Premises At Mount Sion Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th November 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	961	2	376800 406600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Ahlstrom-Munksjö Chirnside Ltd Licence Number: 2569004043 Permit Version: 102 Location: Shore Top Reservoir At Radcliffe Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Mount Sion Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th June 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NE (S)	1114	2	376600 406400
	Water Abstractions Operator: Ahlstrom Chirnside Ltd Licence Number: 2569004043 Permit Version: 101 Location: Shore Top Reservoir At Radcliffe Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Mount Sion Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st September 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3NE (S)	1114	2	376600 406400
	Water Abstractions Operator: Dexter Non Wovens Licence Number: 2569004043 Permit Version: 100 Location: Shore Top Reservoir At Radcliffe 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): 2273 Yearly Rate (m3): 454600 Details: Premises At Mount Sion Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NE (S)	1114	2	376600 406400
	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569004049 Permit Version: 101 Location: Borehole At Creams Mill, Mytham Road, Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Paper And Printing: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Creams Mill, Little Lever Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NW (SW)	1278	2	375700 406500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Danisco Paper Ltd Licence Number: 2569004049 Permit Version: 100 Location: Borehole At Creams Mill, Mytham Road, Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Paper And Printing: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 436 Yearly Rate (m3): 159295 Details: Land At Creams Mill, Little Lever Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st September 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NW (SW)	1278	2	375700 406500
	Water Abstractions Operator: Mondi Packaging Holcombe Limited Licence Number: 2569004003 Permit Version: 102 Location: R Inwell At Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Little Lever, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th October 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NW (SW)	1303	2	375800 406400
	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569004003 Permit Version: 101 Location: R Inwell At Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Little Lever, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NW (SW)	1303	2	375800 406400
	Water Abstractions Operator: Danisco Paper Ltd Licence Number: 2569004003 Permit Version: 100 Location: R Inwell At Little Lever, Bolton Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1571 Yearly Rate (m3): 409140 Details: Premises At Little Lever, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st September 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NW (SW)	1303	2	375800 406400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: British Waterways Board Licence Number: 2569004037 Permit Version: Not Supplied Location: Bolton & Bury Canal Authority: Environment Agency, North West Region Abstraction: Not Supplied Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Bolton & Bury Canal Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1801	2	378300 407500
	Water Abstractions Operator: British Waterways Board Licence Number: 2569004994 Permit Version: Not Supplied Location: Bolton & Bury Canal Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 0 Yearly Rate (m3): 1136 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1801	2	378300 407495
	Water Abstractions Operator: British Waterways Board Licence Number: 2569004037 Permit Version: Not Supplied Location: Bolton & Bury Canal , MANCHESTER Authority: Environment Agency, North West Region Abstraction: Not Supplied Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Bolton & Bury Canal Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1872	2	376000 405700
	Water Abstractions Operator: British Waterways Board Licence Number: 2569004996 Permit Version: Not Supplied Location: Bolton & Bury Canal Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 0 Yearly Rate (m3): 1591100 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1875	2	376005 405695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Robert Fletcher Stoneclough Ltd Licence Number: 2569004027 Permit Version: 100 Location: The River Inwell At Kearsley Paper Works, Stoneclough Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 15684 Yearly Rate (m3): 4182408 Details: Land & Premises At Kearsley Paper Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th May 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1900	2	375900 405700
	Water Abstractions Operator: C.V. Home Furnishings Ltd Licence Number: 2569003012 Permit Version: 101 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): 27 Yearly Rate (m3): 8183 Details: At Ainsworth Mill, Brightmet 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	A22NW (NW)	1917	2	375500 409200
	Water Abstractions Operator: Pcn Properties Llp Licence Number: 2569003012/R1 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: 6th August 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21NE (NW)	1930	2	375460 409190
	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	A21NE (NW)	1930	2	375460 409190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Ainsworth Finishing Company Ltd Licence Number: 2569003012 Permit Version: 103 Location: Borehole At Premises, Ainsworth Millbroughtmet, 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	A21NE (NW)	1930	2	375460 409190
	Water Abstractions Operator: Ainsworth Finishing Company Ltd Licence Number: 2569003012 Permit Version: 102 Location: Borehole At Premises, Ainsworth Millbroughtmet, 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, Broughtmet 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	A21NE (NW)	1930	2	375460 409190
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: Low	A13NW (N)	0	5	376490 407534
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (N)	0	5	376490 407534
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NW (N)	0	5	376490 407534
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	231	6	376597 407764
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	344	6	376145 407610
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	447	6	376522 407062
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	518	6	376742 407058
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	538	6	376736 407032
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	539	6	376728 407027
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	539	6	376859 407120
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (S)	542	6	376470 406966
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	543	6	376734 407026

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	554	6	376774 407035
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	556	6	376770 407031
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	582	6	376872 407073
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	582	6	376915 407115
32	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 25.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dingle Reservoir Catchment Name: Mersey Primacy: 1	A8NE (SE)	594	6	376800 407004
33	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 45.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dingle Reservoir Catchment Name: Mersey Primacy: 1	A9NW (SE)	604	6	376844 407022
34	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 41.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dingle Reservoir Catchment Name: Mersey Primacy: 1	A8NE (SE)	615	6	376779 406968
35	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 17.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dingle Reservoir Catchment Name: Mersey Primacy: 1	A8NE (SE)	619	6	376819 406987
36	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dingle Reservoir Catchment Name: Mersey Primacy: 1	A8NE (SE)	632	6	376815 406969

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 24.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dingle Reservoir Catchment Name: Mersey Primacy: 1	A8NE (SE)	632	6	376815 406969
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	634	6	376826 406974
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	644	6	376851 406979
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	646	6	376857 406980
41	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 46.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	648	6	376861 406980
42	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 110.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dingle Reservoir Catchment Name: Mersey Primacy: 1	A8NE (SE)	651	6	376812 406945
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	656	6	376577 406858
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	668	6	376906 406990
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 137.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	674	6	376917 406991

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	691	6	376579 406823
47	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 269.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Manchester, Bolton and Bury Canal Catchment Name: Mersey Primacy: 1	A8SE (S)	697	6	376502 406812
48	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 219.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Manchester, Bolton and Bury Canal Catchment Name: Mersey Primacy: 1	A8SE (S)	698	6	376624 406824
49	OS Water Network Lines Watercourse Form: Marsh Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	738	6	376802 406842
50	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 1902.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Manchester, Bolton and Bury Canal Catchment Name: Mersey Primacy: 2	A8SE (SE)	752	6	376801 406826
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	756	6	376504 406752
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	764	6	376509 406745
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 193.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8SE (S)	770	6	376559 406742
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 963.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8SE (S)	779	6	376519 406730

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	791	6	376338 406730
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	802	6	376248 406741
57	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 100.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Manchester, Bolton and Bury Canal Catchment Name: Mersey Primacy: 1	A8SW (S)	804	6	376345 406717
58	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 643.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Manchester, Bolton and Bury Canal Catchment Name: Mersey Primacy: 1	A8SW (S)	818	6	376247 406725
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8SE (S)	857	6	376707 406680
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8SE (S)	860	6	376686 406671
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8SE (S)	861	6	376715 406678
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	898	6	376132 406682
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	907	6	376129 406674

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A7SE (SW)	921	6	376109 406668
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 230.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	942	6	376818 406627
66	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	A9SW (SE)	942	6	376864 406645
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8SE (S)	949	6	376807 406616
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: Underground Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8SE (S)	949	6	376807 406616
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A8SE (S)	950	6	376808 406615
70	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	A9SW (S)	972	6	376865 406614
71	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 20.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (S)	972	6	376865 406614
72	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 113.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	977	6	376885 406617

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A9SW (S)	995	6	376836 406577
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 2	A9SW (S)	995	6	376836 406577

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	Historical Landfill Sites Licence Holder: Not Supplied Location: Lavender Street, Radcliffe, Bury, Greater Manchester Name: Land at Harper Fold Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15987 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: C107	A8NE (SE)	512	2	376825 407124
76	Historical Landfill Sites Licence Holder: Chloride Lorival Limited Location: Spring Street, Little Lever, Bolton, Lancashire Name: Land Off Lord Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15966 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: B011a,RD/LIC/437/86	A12SW (W)	706	2	375789 407395
77	Historical Landfill Sites Licence Holder: Chloride Lorival Limited Location: Spring Street, Little Lever, Bolton, Lancashire Name: Land Off Lord Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD18070 First Input Date: 25th February 1987 Last Input Date: 31st December 1990 Specified Waste: Deposited Waste included Inert, Industrial, Commercial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9058 BGS Ref: Not Supplied Other Ref: RD/LIC/437/86, B011b	A12SW (W)	743	2	375764 407329
	Local Authority Landfill Coverage Name: Bury Metropolitan Borough Council - Has not been able to supply Landfill data		0	7	376490 407534
	Local Authority Landfill Coverage Name: Bolton Metropolitan Borough Council - Has supplied landfill data		72	8	376430 407461
78	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (S)	130	-	376481 407378
79	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SE (SE)	136	-	376605 407442
80	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (SW)	156	-	376335 407465
81	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (SW)	168	-	376334 407434
82	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (NW)	168	-	376417 407709

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (NW)	306	-	376223 407712
84	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8NE (S)	329	-	376572 407191
85	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14NW (E)	374	-	376868 407623
86	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NE (W)	389	-	376096 407551
87	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SE (NE)	422	-	376722 407914
88	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SE (NE)	438	-	376718 407935
89	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14NW (E)	446	-	376945 407537
90	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SE (NW)	483	-	376119 407870
91	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SE (NE)	492	-	376742 407983
92	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14NW (E)	553	-	377034 407698
93	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NE (W)	560	-	375950 407720
94	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SE (N)	567	-	376512 408122
95	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SW (NW)	577	-	376184 408047
96	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14SW (E)	688	-	377138 407272
97	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SW (S)	704	-	376457 406804
98	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19NW (NE)	763	-	376881 408216

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18NE (N)	808	-	376635 408352
100	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NW (NW)	821	-	375724 407863
101	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18NE (N)	831	-	376706 408360
102	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A9NW (SE)	864	-	377133 406937
103	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NW (W)	876	-	375652 407825
104	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SW (NW)	909	-	375765 408110
105	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SW (NW)	939	-	375760 408152
106	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SW (NW)	990	-	375690 408145
107	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13NE (NE)	18	-	376518 407546
108	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13SE (E)	46	-	376546 407526
109	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13SW (W)	185	-	376300 407516
110	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NE (E)	191	-	376691 407547
111	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13SE (S)	237	-	376513 407272
112	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13SE (S)	263	-	376523 407248
113	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13SW (SW)	312	-	376227 407332
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13NW (W)	313	-	376179 407618
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13SW (SW)	342	-	376175 407364
116	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NE (W)	346	-	376139 407532
117	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A14SW (E)	348	-	376847 407511

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A18SW (N)	388	-	376490 407943
119	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A14SW (E)	429	-	376918 407435
120	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A18SE (N)	442	-	376628 407978
121	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A8NE (S)	448	-	376529 407062
122	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A8NW (SW)	449	-	376235 407134
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SW (E)	454	-	376953 407508
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14NW (NE)	462	-	376874 407827
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NE (NW)	462	-	376113 407830
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A8NW (S)	484	-	376377 407036
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A9NW (SE)	500	-	376872 407193
128	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A18SE (NE)	528	-	376729 408031
129	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A14NW (E)	544	-	377044 407544
130	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NE (W)	552	-	375947 407682
131	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14NW (NE)	566	-	377009 407803
132	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A19SW (NE)	580	-	376835 408029
133	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1930	A9NW (SE)	587	-	376961 407166
134	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A18SE (N)	590	-	376577 408140
135	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A7NE (SW)	603	-	375992 407161
136	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A19SW (NE)	603	-	376869 408033
137	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14NW (E)	636	-	377110 407735
138	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14NW (NE)	657	-	377107 407806

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
139	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14NW (E)	690	-	377165 407742
140	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A19SW (NE)	703	-	376970 408079
141	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A14SE (E)	712	-	377210 407481
142	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A17SE (NW)	723	-	376030 408117
143	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	A18NE (N)	753	-	376624 408297
144	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A17SE (NW)	768	-	375959 408115
145	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A9NW (SE)	773	-	377155 407119
146	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A8SE (S)	776	-	376693 406760
147	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A19SW (NE)	777	-	377087 408066
148	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A19SW (NE)	777	-	376927 408205
149	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A18NE (N)	782	-	376612 408329
150	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A8SE (S)	782	-	376775 406782
151	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A8SE (S)	792	-	376802 406782
152	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A19SW (NE)	798	-	377101 408080
153	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SE (E)	815	-	377289 407325
154	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A12SW (W)	817	-	375673 407417
155	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A12SW (W)	827	-	375659 407498
156	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A8SE (SE)	829	-	376818 406749
157	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A17SW (NW)	837	-	375742 407941
158	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A9NE (SE)	856	-	377283 407185
159	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14SE (E)	857	-	377303 407233

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A9NE (SE)	877	-	377278 407123
161	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14NE (E)	891	-	377354 407809
162	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A17SW (NW)	907	-	375650 407910
163	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1930	A7NW (SW)	908	-	375735 406997
164	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14NE (E)	944	-	377444 407556
165	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14SE (E)	947	-	377417 407294
166	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A19SE (NE)	971	-	377386 407954
167	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1930	A7NW (SW)	972	-	375704 406930
168	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A12NW (W)	979	-	375506 407539
169	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14NE (E)	986	-	377479 407675
170	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7SW (SW)	995	-	375807 406779

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	Registered Landfill Sites Licence Holder: Chloride Lorival Ltd Licence Reference: 00437/86/M1 Site Location: Spring Street, Little Lever, Bolton, Lancashire Licence Easting: 375720 Licence Northing: 407350 Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st February 1987 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Ceramic Materials Construction Ind. Wastes Glass Metals Similar Non Leachate Forming Materials Soil,Clay,Sand, Stone,Brick,Concrete,Slate Prohibited Waste: Animal Flesh Chemical Waste Of Any Nature Fibreglass Foodstuffs Liquid Wastes Paper/Cardboard Waste Plasterboard Plastics Sawdust Sludge Wastes Textiles Vegetable Matter Waste Forming Polluting Leachate Wood	A12SW (W)	781	2	375720 407350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)	A13NW (N)	0	1	376490 407534
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (E)	0	1	376500 407534
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	0	1	376490 407534
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (S)	8	1	376490 407500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	155	1	376617 407657
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	235	1	376460 407788
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (W)	485	1	376000 407534

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: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SE (W)	485	1	376000 407500
	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:	A14NW (E)	500	1	377000 407572
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NW (E)	500	1	377000 407534
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8NE (S)	508	1	376500 407000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8NW (S)	508	1	376490 407000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NW (NE)	556	1	377000 407799

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 - 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 (S)	600	1	376472 406908
	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:	A8NE (S)	601	1	376500 406907
	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 40 - 60 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	606	1	376454 406903
	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 40 - 60 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	623	1	376500 406885
	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:	A8NE (SE)	678	1	376783 406899
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	724	1	377000 407000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and 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:	A7NE (SW)	726	1	375966 407000
	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:	A18NE (N)	726	1	376516 408281
	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 30 - 45 mg/kg Concentration:	A8SE (S)	742	1	376642 406783
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	826	1	377000 408213
	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 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	854	1	377000 406827
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	856	1	375975 406821

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:	A18NE (N)	861	1	376656 408402
	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:	A18NE (N)	888	1	376500 408443
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	938	1	377000 408349
	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 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	942	1	376008 408367
	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 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	944	1	377095 406787
	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:	A18NE (N)	945	1	376500 408500

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 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	950	1	376199 406602
	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:	A18NE (N)	951	1	376607 408500
	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:	A18NE (N)	951	1	376615 408499
	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:	A18NE (N)	979	1	376500 408533
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	983	1	376776 406569
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 600 - 1200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	985	1	375500 407534

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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	993	1	377277 408174
172	BGS Recorded Mineral Sites Site Name: Stopes Works Location: Little Lever, Bolton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 12355 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Till Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13NW (W)	165	1	376320 407540
173	BGS Recorded Mineral Sites Site Name: Atlas Brick Works Location: Little Lever, Bolton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 12356 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Till Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12SE (W)	363	1	376125 407460
174	BGS Recorded Mineral Sites Site Name: Black Moss Brick Works Location: Radcliffe, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96847 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14SW (E)	594	1	377059 407330
175	BGS Recorded Mineral Sites Site Name: Marsden Croft Brick Works Location: Radcliffe, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96852 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14NW (E)	603	1	377081 407717
176	BGS Recorded Mineral Sites Site Name: Leadbetter Fold Location: Little Lever, Bolton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96830 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Peel Hall Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	785	1	376231 406765

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	BGS Recorded Mineral Sites Site Name: Leadbetter Fold Location: Little Lever, Bolton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96829 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Peel Hall Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	834	1	376396 406679
178	BGS Recorded Mineral Sites Site Name: Ladyshore Colliery Location: Little Lever, Bolton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 12354 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Middle Coal Measures Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SW (S)	859	1	376255 406680
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NW (N)	0	9	376490 407534
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (N)	0	-	376490 407534
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	376490 407534
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	376490 407534
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	55	1	376477 407454
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	145	1	376466 407364
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	376490 407534
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	376490 407534
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	376490 407534
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	376490 407534
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	55	1	376477 407454

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	145	1	376466 407364
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	376490 407534
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	376490 407534

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
179	Contemporary Trade Directory Entries Name: Go Wallpaper Ltd Location: Genesis House, Stopes Road, Little Lever, Bolton, BL3 1NP Classification: Wallpapers & Wall Coverings Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	17	-	376468 407535
179	Contemporary Trade Directory Entries Name: Cash 4 Caravans Location: Stopes Garages, Stopes Road, Little Lever, Bolton, Lancashire, BL3 1NP Classification: Caravan Dealers & Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	38	-	376447 407510
179	Contemporary Trade Directory Entries Name: J O Transport Location: Stopes Road, Little Lever, Bolton, BL3 1NP Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	39	-	376447 407510
180	Contemporary Trade Directory Entries Name: S B Motor Services Location: Stopes Road, Little Lever, BOLTON, BL3 1NP Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	54	-	376432 407562
181	Contemporary Trade Directory Entries Name: S B Motors Location: Stopes Road, Little Lever, Bolton, BL3 1NP Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	67	-	376445 407453
181	Contemporary Trade Directory Entries Name: J K Commercials Location: STOPES GARAGE, STOPES ROAD, RADCLIFFE, BL3 1NP Classification: Spraying - Paint & Coatings Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	67	-	376445 407453
181	Contemporary Trade Directory Entries Name: Nu Line Vehicle Repairs Location: Stopes Road, Little Lever, Bolton, BL3 1NP Classification: Car Painters & Sprayers Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (S)	98	-	376461 407413
182	Contemporary Trade Directory Entries Name: Tarmac Location: Stopes Works, Stopes Road, Little Lever, Bolton, BL3 1NR Classification: Quarries Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (W)	112	-	376374 407527
183	Contemporary Trade Directory Entries Name: O & E S Interiors Location: 48, Stopes Road, Radcliffe, Manchester, M26 3WP Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	172	-	376668 407593
184	Contemporary Trade Directory Entries Name: Industrial Cleaning & Maintenance Location: 67, Churchill Drive, Little Lever, Bolton, BL3 1PE Classification: Industrial Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	222	-	376440 407290
185	Contemporary Trade Directory Entries Name: Anycleaning4u.Com Location: 120, Stopes Road, Little Lever, Bolton, BL3 1NN Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	328	-	376190 407364
186	Contemporary Trade Directory Entries Name: Pressed To Impress Location: 24, Grange Avenue, Little Lever, Bolton, BL3 1NT Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	395	-	376141 407314

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	Contemporary Trade Directory Entries Name: Sprayteck Location: Unit 3 Stopes Garage, Stopes Rd, Little Lever, Bolton, Lancashire, BL3 1NW Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SE (SW)	409	-	376108 407350
187	Contemporary Trade Directory Entries Name: B P Marine Engineering Services Ltd Location: 15, Ellera Close, Little Lever, Bolton, BL3 1PA Classification: Marine Engineering Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	409	-	376362 407118
188	Contemporary Trade Directory Entries Name: County Plastics Ltd Location: 74, Countess Lane, Radcliffe, Manchester, M26 3NH Classification: Recycling Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	463	-	376758 407940
189	Contemporary Trade Directory Entries Name: Harper Fold Fencing Location: Harper Fold Farm, Harper Fold, Radcliffe, Manchester, M26 3TJ Classification: Gate Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	471	-	376811 407168
190	Contemporary Trade Directory Entries Name: V F M Promotions Location: 124, Harper Fold Road, Radcliffe, Manchester, M26 3RG Classification: Hot Foil Stamping Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	494	-	376975 407394
191	Contemporary Trade Directory Entries Name: Discount Car Centre Ltd Location: MOORGATE GARAGE, RADCLIFFE MOOR ROAD, RADCLIFFE, M26 3WL Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	536	-	376508 408091
191	Contemporary Trade Directory Entries Name: Radcliffe Tyre Centre Location: Radcliffe Moor Road, Radcliffe, Manchester, M26 3WL Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	536	-	376508 408091
191	Contemporary Trade Directory Entries Name: Radcliffe Tyre & Exhaust Centre Location: Radcliffe Moor Road, Radcliffe, MANCHESTER, M26 3WL Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	536	-	376508 408091
191	Contemporary Trade Directory Entries Name: Radcliffe Joinery Location: Radcliffe Moor Road, Radcliffe, Manchester, Lancashire, M26 3WY Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	536	-	376489 408091
192	Contemporary Trade Directory Entries Name: Maclaran Motors Ltd Location: High Street, Little Lever, Bolton, BL3 1NB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	543	-	376020 407229
192	Contemporary Trade Directory Entries Name: M B E Motor Services Location: Mbe Motor Services, High Street, Bolton, BL3 1LX Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	543	-	376018 407230
193	Contemporary Trade Directory Entries Name: Discount Car Centre Ltd Location: Moorgate Garage, Radcliffe Moor Road, Radcliffe, Manchester, M26 3WL Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A18SE (N)	551	-	376585 408099

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
194	Contemporary Trade Directory Entries Name: Bolton Industrial Saw Sharpeners Location: 3, Radcliffe Moor Road, Radcliffe, Manchester, Lancashire, M26 3WL Classification: Tool Sharpening, Repairing & Servicing Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (N)	564	-	376643 408100
195	Contemporary Trade Directory Entries Name: Bolton Powder Coating Ltd Location: Unit 5 The Phoenix Centre, Booth Rd, Little Lever, Bolton, Lancashire, BL3 1LJ Classification: Powder Coatings Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	596	-	375982 407188
195	Contemporary Trade Directory Entries Name: Pollitts Location: 28a, High Street, Little Lever, Bolton, BL3 1NB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	602	-	375955 407223
195	Contemporary Trade Directory Entries Name: Little Lever Cleaning Services Location: High St, Little Lever, Bolton, Lancashire, BL3 1NB Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12SE (SW)	606	-	375950 407223
196	Contemporary Trade Directory Entries Name: D & M Motorcare Ltd Location: 20, Radcliffe Moor Road, Radcliffe, Manchester, M26 3WY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	602	-	376607 408147
196	Contemporary Trade Directory Entries Name: D & M Motors Location: 20, Radcliffe Moor Road, Radcliffe, Manchester, M26 3WY Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	602	-	376607 408147
196	Contemporary Trade Directory Entries Name: D & M Motor Car Location: 20, Radcliffe Moor Road, Radcliffe, Manchester, M26 3WY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	602	-	376607 408147
197	Contemporary Trade Directory Entries Name: Turks Service Station Location: Turks Road, Radcliffe, Manchester, M26 3NW Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	624	-	376666 408157
197	Contemporary Trade Directory Entries Name: Total Location: Turks Road, Radcliffe, Manchester, M26 3NW Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	624	-	376666 408157
197	Contemporary Trade Directory Entries Name: B P Service Station Location: Turks Road, Radcliffe, Manchester, Greater Manchester, M26 3NW Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A18SE (N)	625	-	376666 408157
198	Contemporary Trade Directory Entries Name: Jackson Services Location: 27, Saltram Close, Radcliffe, Manchester, M26 3XD Classification: Cookers - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	628	-	376075 408031
199	Contemporary Trade Directory Entries Name: Auto-Tune Location: 13, Booth Road, Little Lever, Bolton, BL3 1JY Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	669	-	375985 407063

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
199	Contemporary Trade Directory Entries Name: Auto-Tune Location: 13, Booth Road, Little Lever, Bolton, BL3 1JY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	669	-	375985 407063
200	Contemporary Trade Directory Entries Name: Lorival Plastics Ltd Location: William Street, Little Lever, Bolton, BL3 1AR Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	695	-	375808 407353
201	Contemporary Trade Directory Entries Name: Juto Print Management Location: 3, Saltram Close, Radcliffe, Manchester, Lancashire, M26 3XD Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	702	-	376068 408120
202	Contemporary Trade Directory Entries Name: Nirvana Intelligent Systems Ltd Location: Nirvana House, 89-99, High Street, Little Lever, Bolton, BL3 1NA Classification: Cash Registers & Check-Out Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	708	-	375822 407259
202	Contemporary Trade Directory Entries Name: Little Lever Motors Location: High St, Little Lever, Bolton, Lancashire, BL3 1NB Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SW (SW)	741	-	375794 407242
203	Contemporary Trade Directory Entries Name: E & H Hardware Location: 135, Coronation Road, Radcliffe, Manchester, M26 3LP Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	790	-	377158 407992
204	Contemporary Trade Directory Entries Name: M A Anderton Location: 81, Marsh Road, Little Lever, Bolton, BL3 1RF Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	792	-	375709 407712
205	Contemporary Trade Directory Entries Name: Chipsaway Location: 19, Tiverton Close, Radcliffe, Manchester, M26 3UJ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	797	-	376458 408351
206	Contemporary Trade Directory Entries Name: J & M Scrap Cars Location: 312, Bolton Road, Radcliffe, Manchester, M26 3GP Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	835	-	377327 407420
207	Contemporary Trade Directory Entries Name: Laurance Higginson Location: 22, Coronation Gardens, Radcliffe, Manchester, M26 3XS Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	841	-	377242 407950
208	Contemporary Trade Directory Entries Name: Senior Roofing Location: 12, Claydon Drive, Radcliffe, Manchester, M26 3XA Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	841	-	376005 408245
209	Contemporary Trade Directory Entries Name: Jendahart Garage Services Location: 2, Albert Street, Little Lever, Bolton, BL3 1JH Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	851	-	375666 407277

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
209	Contemporary Trade Directory Entries Name: D & M Motors Ltd Location: Albert Street, Little Lever, Bolton, BL3 1JH Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	863	-	375647 407304
210	Contemporary Trade Directory Entries Name: Boving Engineering Uk Ltd Location: 55, Montgomery Way, Radcliffe, MANCHESTER, M26 3TG Classification: Valve Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	862	-	376078 408315
211	Contemporary Trade Directory Entries Name: Ahlstrom Location: Sion Street, Radcliffe, Manchester, M26 3SB Classification: Paper & Pulp Mills Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	875	-	376784 406686
212	Contemporary Trade Directory Entries Name: Iron Angel Location: 13, Cambridge Drive, Little Lever, Bolton, BL3 1XG Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	896	-	375661 407905
213	Contemporary Trade Directory Entries Name: Balmoral Carpets Location: 255, Bolton Road, Radcliffe, Manchester, M26 3QP Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	898	-	377386 407390
214	Contemporary Trade Directory Entries Name: Dean'S Blinds & Shutters Ltd Location: 53, Ainsworth Road, Little Lever, Bolton, BL3 1RB Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	910	-	375583 407675
214	Contemporary Trade Directory Entries Name: Mobile Mechanic Service Location: 51, Ainsworth Road, Little Lever, Bolton, BL3 1RB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	912	-	375580 407669
215	Contemporary Trade Directory Entries Name: Bury Council Transport Maintenance Location: UNIT 34, BRADLEY FOLD ROAD, BRADLEY FOLD, BOLTON, BL2 6RS Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	926	-	376237 408447
216	Contemporary Trade Directory Entries Name: Broadway Wrought Iron Ltd Location: Unit 5, The Phoenix Centre, Booth Road, Little Lever, BOLTON, BL3 1LJ Classification: Wrought Ironwork Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SW)	926	-	375844 406840
217	Contemporary Trade Directory Entries Name: Classic Location: 7, Market Street, Little Lever, Bolton, BL3 1HH Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	931	-	375588 407262
218	Contemporary Trade Directory Entries Name: The Priory Shutter & Door Co Location: 28, Lancaster Drive, Little Lever, Bolton, BL3 1XF Classification: Roller Shutter Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	958	-	375643 408013

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
219	Contemporary Trade Directory Entries Name: Raikes Clough Pallets Location: Unit 26, Bradley Fold Trading Estate, Radcliffe Moor Road, Bradley Fold, Bolton, BL2 6RT Classification: Pallets, Crates & Packing Cases Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	983	-	376023 408423
220	Fuel Station Entries Name: Mbe Motor Services Location: High Street Booth Road, Little Lever, Bolton, Greater Manchester, BL3 1NB Brand: Unbranded Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A12SE (SW)	533	-	376030 407231
221	Fuel Station Entries Name: Mfg Turks Location: 178-236, Radcliffe Moor Road, Radcliffe, Manchester, Greater Manchester, M26 3NW Brand: Esso Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A18SE (N)	625	-	376666 408157
222	Points of Interest - Commercial Services Name: J O Transport Ltd Location: Stopes Road, Little Lever, Bolton, BL3 1NP Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SW (SW)	39	10	376447 407510
222	Points of Interest - Commercial Services Name: J O Transport Location: Wellington Works, Stopes Road, Radcliffe, BL3 1NP Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SW (SW)	39	10	376446 407515
222	Points of Interest - Commercial Services Name: J K Commercials Location: Stopes Road, Little Lever, Bolton, BL3 1NP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	66	10	376454 407449
222	Points of Interest - Commercial Services Name: Nu Line Vehicle Repairs Location: Stopes Garage, Stopes Road, Little Lever, Bolton, BL3 1NP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	67	10	376448 407452
222	Points of Interest - Commercial Services Name: Perfect Shine Location: Perfect Shine Stopes Garage, Stopes Road, Radcliffe, BL3 1NP Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SW (SW)	68	10	376445 407453
223	Points of Interest - Commercial Services Name: D C Location: 10 Bexhill Close, Little Lever, Bolton, BL3 1PL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (W)	261	10	376227 407464
223	Points of Interest - Commercial Services Name: D C Auto Electrics Location: 10 Bexhill Close, Little Lever, Bolton, BL3 1PL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (W)	261	10	376227 407464
224	Points of Interest - Commercial Services Name: Auto Keys North Manchester Location: 39 Countess Lane, Radcliffe, M26 3NH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	395	10	376724 407881

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
224	Points of Interest - Commercial Services Name: County Plastics Ltd Location: 74 Countess Lane, Radcliffe, Manchester, M26 3NH Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A18SE (NE)	462	10	376754 407941
225	Points of Interest - Commercial Services Name: Radcliffe Tyre & M O T Centre Location: Radcliffe Moor Road, Radcliffe, Manchester, M26 3WL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	535	10	376508 408090
225	Points of Interest - Commercial Services Name: Radcliffe Tyre Centre Location: Radcliffe Moor Road, Radcliffe, Manchester, M26 3WL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	535	10	376508 408090
225	Points of Interest - Commercial Services Name: Radcliffe Tyre Exhaust & M O T Centre Location: Radcliffe Moor Road, Radcliffe, Manchester, M26 3WL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	536	10	376508 408091
225	Points of Interest - Commercial Services Name: D & M Motors Location: Moorgate Garage, Radcliffe Moor Road, Radcliffe, Manchester, M26 3WL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	536	10	376508 408091
226	Points of Interest - Commercial Services Name: Diamond Hand Car Wash Location: High Street, Little Lever, Bolton, BL3 1NB Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SE (SW)	543	10	376020 407229
226	Points of Interest - Commercial Services Name: M B E Motor Services Location: The Texaco Petrol Station, High Street, Little Lever, Bolton, BL3 1NB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	543	10	376019 407229
227	Points of Interest - Commercial Services Name: D & M Motorcare Ltd Location: 20 Radcliffe Moor Road, Radcliffe, Manchester, M26 3WY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	602	10	376607 408147
227	Points of Interest - Commercial Services Name: D & M Motor Car Location: 20 Radcliffe Moor Road, Radcliffe, M26 3WY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	602	10	376607 408147
227	Points of Interest - Commercial Services Name: Car Wash Location: Turks Road, Radcliffe, Manchester, M26 3NW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SE (N)	625	10	376666 408157
227	Points of Interest - Commercial Services Name: Turks Service Station Location: Turks Road, Radcliffe, Manchester, M26 3NW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SE (N)	636	10	376660 408170
227	Points of Interest - Commercial Services Name: B P Car Wash Location: Turks Road, Radcliffe, Manchester, M26 3NW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SE (N)	636	10	376660 408170

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
228	Points of Interest - Commercial Services Name: Copak Services Ltd Location: 8 St. Mawes Court, Radcliffe, Manchester, M26 3TS Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A18NW (N)	722	10	376305 408254
229	Points of Interest - Commercial Services Name: Chipsaway Location: 19 Tiverton Close, Radcliffe, Manchester, M26 3UJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	797	10	376458 408351
230	Points of Interest - Commercial Services Name: D & M Motors Location: Albert Street, Little Lever, Bolton, BL3 1JH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	857	10	375659 407281
230	Points of Interest - Commercial Services Name: Jendahart Location: 2 Albert Street, Little Lever, Bolton, BL3 1JH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	864	10	375646 407304
230	Points of Interest - Commercial Services Name: Jendahart Garage Services Location: Unit 2 Jubilee Garage, Albert Street, Little Lever, Bolton, BL3 1JH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	864	10	375646 407304
230	Points of Interest - Commercial Services Name: D & M Motors Ltd Location: Jubilee Garage, Albert Street, Little Lever, Bolton, BL3 1JH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	864	10	375646 407304
231	Points of Interest - Commercial Services Name: Bury Council Transport Maintenance Location: Unit 34 Bradley Fold Trading Estate, Bradley Fold Road, Radcliffe, BL2 6RS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	909	10	376271 408438
232	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	15	10	376470 407508
232	Points of Interest - Manufacturing and Production Name: Works Location: BL3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	15	10	376470 407509
232	Points of Interest - Manufacturing and Production Name: Wellington Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	65	10	376420 407521
232	Points of Interest - Manufacturing and Production Name: Works Location: BL3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	65	10	376420 407519
232	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	69	10	376447 407450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
232	Points of Interest - Manufacturing and Production Name: Tank Location: BL3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13SW (W)	78	10	376407 407528
232	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	99	10	376468 407410
232	Points of Interest - Manufacturing and Production Name: Works Location: BL3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	99	10	376468 407410
232	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	103	10	376461 407408
232	Points of Interest - Manufacturing and Production Name: Works Location: BL3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	103	10	376461 407408
233	Points of Interest - Manufacturing and Production Name: Works Location: BL3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A13NW (W)	39	10	376446 407544
233	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	41	10	376444 407541
233	Points of Interest - Manufacturing and Production Name: Tanks Location: BL3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	72	10	376413 407532
233	Points of Interest - Manufacturing and Production Name: Tank Location: BL3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NW (W)	77	10	376408 407538
233	Points of Interest - Manufacturing and Production Name: Tank Location: BL3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NW (W)	78	10	376407 407533
234	Points of Interest - Manufacturing and Production Name: Tarmac Location: Tarmac Building Materials Ltd, Stopes Road, Little Lever, Bolton, BL3 1NR Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A13SW (W)	112	10	376373 407527
234	Points of Interest - Manufacturing and Production Name: Tank Location: BL3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	177	10	376310 407583

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
234	Points of Interest - Manufacturing and Production Name: Tank Location: BL3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	180	10	376306 407572
234	Points of Interest - Manufacturing and Production Name: Stopes Works Location: BL3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	189	10	376296 407565
234	Points of Interest - Manufacturing and Production Name: Stopes Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	202	10	376283 407565
235	Points of Interest - Manufacturing and Production Name: Shaft (Disused) Location: M26 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	173	10	376412 407712
235	Points of Interest - Manufacturing and Production Name: Shaft (Disused) Location: M26 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A13NW (NW)	178	10	376412 407717
236	Points of Interest - Manufacturing and Production Name: Shaft (Disused) Location: BL3 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	311	10	376552 407204
236	Points of Interest - Manufacturing and Production Name: Shaft (Disused) Location: BL3 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A13SE (S)	316	10	376564 407202
237	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	565	10	377052 407410
238	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	575	10	376069 407111
239	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	597	10	376582 408146
240	Points of Interest - Manufacturing and Production Name: Tank Location: BL3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	615	10	375871 407583
241	Points of Interest - Manufacturing and Production Name: L Cox Location: Tong Road, Little Lever, Bolton, BL3 1AQ Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A17SE (NW)	680	10	375896 407895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
242	Points of Interest - Manufacturing and Production Name: Springside Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	703	10	375787 407429
243	Points of Interest - Manufacturing and Production Name: Old Shaft Location: M26 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	723	10	376815 406865
243	Points of Interest - Manufacturing and Production Name: Old Shaft Location: M26 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A8NE (SE)	723	10	376811 406863
244	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	750	10	377235 407384
244	Points of Interest - Manufacturing and Production Name: Works Location: M26 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	750	10	377235 407384
245	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (SE)	758	10	377180 407195
246	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	854	10	376741 406693
246	Points of Interest - Manufacturing and Production Name: Works Location: M26 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	854	10	376741 406693
247	Points of Interest - Manufacturing and Production Name: Air Shaft Location: M26 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	862	10	377137 406945
248	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	954	10	375572 407233
249	Points of Interest - Public Infrastructure Name: County Plastics Ltd Location: 74 Countess Lane, Radcliffe, Manchester, M26 3NH Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A18SE (NE)	463	10	376758 407940
250	Points of Interest - Public Infrastructure Name: Mbe Motor Services Location: High Street, Little Lever, Bolton, BL3 1NB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12SE (SW)	533	10	376030 407231

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
250	Points of Interest - Public Infrastructure Name: Mbe Motor Services Sstn Location: High Street, Little Lever, Bolton, BL3 1NB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12SE (SW)	543	10	376020 407228
251	Points of Interest - Public Infrastructure Name: Turks Service Station Location: Turks Road, Radcliffe, Manchester, M26 3NW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SE (N)	624	10	376666 408157
251	Points of Interest - Public Infrastructure Name: Turks Service Station Location: Turks Road, Radcliffe, Manchester, M26 3NW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SE (N)	625	10	376666 408157
251	Points of Interest - Public Infrastructure Name: TCS Turks Location: Turks Road, Radcliffe, Manchester, M26 3NW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SE (N)	625	10	376666 408157
252	Points of Interest - Public Infrastructure Name: Sluice Location: BL3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	701	10	375794 407389
253	Points of Interest - Public Infrastructure Name: Sluice Location: M26 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	813	10	376653 406713
253	Points of Interest - Public Infrastructure Name: Sluice Location: M26 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	827	10	376669 406702
253	Points of Interest - Public Infrastructure Name: Sluice Location: M26 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	830	10	376671 406699
254	Points of Interest - Public Infrastructure Name: Graveyard Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	929	10	375659 407082
254	Points of Interest - Public Infrastructure Name: Graveyard Location: BL3 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	936	10	375652 407081
255	Points of Interest - Public Infrastructure Name: Sluices Location: M26 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	938	10	376824 406633
255	Points of Interest - Public Infrastructure Name: Sluices Location: M26 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	940	10	376829 406633

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
255	Points of Interest - Public Infrastructure Name: Sluice Location: M26 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	972	10	376878 406619
255	Points of Interest - Public Infrastructure Name: Sluice Location: M26 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	972	10	376878 406619
255	Points of Interest - Public Infrastructure Name: Weir Location: M26 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	999	10	376819 406567
255	Points of Interest - Public Infrastructure Name: Weir Location: M26 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	1000	10	376822 406567
256	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	447	10	376042 407447
256	Points of Interest - Recreational and Environmental Name: Play Area Location: Masefield Road, BL3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	447	10	376042 407447
257	Points of Interest - Recreational and Environmental Name: Play Area Location: BL3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	732	10	376050 406919
258	Points of Interest - Recreational and Environmental Name: Playground Location: Nandywell, BL3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	735	10	375899 407064
258	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	742	10	375891 407064
259	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	A17SW (NW)	882	10	375741 408028
259	Points of Interest - Recreational and Environmental Name: Playground Location: Nr Suffolk Close, BL3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A17SW (NW)	894	10	375726 408028
260	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	A14SE (E)	913	10	377412 407511

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
260	Points of Interest - Recreational and Environmental Name: Playground Location: Nr Allen Street, M26 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SE (E)	920	10	377419 407495
260	Points of Interest - Recreational and Environmental Name: Playground Location: Nr Allen Street, M26 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SE (E)	922	10	377421 407496

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
261	Areas of Adopted Green Belt Authority: Bury Metropolitan Borough Council Plan Name: Bury Unitary Development Plan Status: Adopted Plan Date: 29th August 1997	A13NE (E)	0	7	376500 407533
262	Areas of Adopted Green Belt Authority: Bolton Metropolitan Borough Council Plan Name: Allocations Status: Adopted Plan Date: 3rd December 2014	A13NW (NW)	134	8	376365 407615
263	Areas of Adopted Green Belt Authority: Bolton Metropolitan Borough Council Plan Name: Allocations Status: Adopted Plan Date: 3rd December 2014	A8NW (S)	513	8	376483 406995
264	Areas of Adopted Green Belt Authority: Bury Metropolitan Borough Council Plan Name: Bury Unitary Development Plan Status: Adopted Plan Date: 29th August 1997	A18NE (N)	824	7	376497 408379

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Salford City Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department	November 2023 October 2017 September 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North West Region	January 2024	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	
Integrated Pollution Controls Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North West Region	October 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control Salford City Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department	December 2020 February 2015 July 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls Salford City Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department	December 2020 February 2015 July 2014	Annual Rolling Update Not Applicable Not Applicable
Local Authority Pollution Prevention and Control Enforcements Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department	February 2015 July 2014 March 2015	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	March 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 - North West Region Environment Agency - Head Office	June 2016 May 2023	As notified 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	
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	January 2024	Quarterly
Water Abstractions Environment Agency - North West Region	April 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

Agency & Hydrological	Version	Update Cycle
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	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	April 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	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area	January 2024	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area	January 2023	Quarterly
Local Authority Landfill Coverage Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Salford City Council - Environmental Health Department	February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Salford City Council - Environmental Health Department	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 - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - South Area	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 Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Salford City Council	February 2016 February 2016 June 2016	Variable Variable Variable
Planning Hazardous Substance Consents Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Salford City Council	February 2016 February 2016 June 2016	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	October 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2024	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	March 2024	Quarterly
Points of Interest - Education and Health PointX	March 2024	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2024	Quarterly
Points of Interest - Public Infrastructure PointX	March 2024	Quarterly
Points of Interest - Recreational and Environmental PointX	March 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 Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Salford City Council	February 2024 February 2024 February 2024	Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Salford City Council	February 2024 February 2024 February 2024	Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	November 2023	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	Bolton Metropolitan Borough Council Town Hall, The Wellsprings, Bolton, Lancashire, BL1 1US	Telephone: 01204 522311 Fax: 01204 392808 Website: www.bolton.gov.uk
9	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
10	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.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.

Geology 1:10,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene
	WMGR	Infilled Ground	Artificial Deposit	Holocene - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene
	LSGR	Landscaped Ground (Undivided)	Artificial Deposit	Holocene - Holocene
	DDGR	Disturbed Ground (Undivided)	Unknown/Unclassified Entry	Holocene - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Quaternary - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Pleistocene
	TILLD	Till, Devensian	Diamicton	Devensian - Ipswichian
	GFSDD	GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN	Sand and Gravel	Devensian - Ipswichian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Devensian - Ipswichian
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Quaternary - Ryazanian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	NR	Nob End Rock	Sandstone	Bolsovia - Bolsovia
	NHSS	Newton Heath Sandstone	Sandstone	Bolsovia - Bolsovia
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Bolsovia - Duckmantian
	PR	Peel Hall Rock	Sandstone	Duckmantian - Duckmantian
	PMCM	Pennine Middle Coal Measures Formation	Sandstone	Bolsovia - Duckmantian
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Langsettian - Langsettian
	PLCM	Pennine Lower Coal Measures Formation	Sandstone	Langsettian - Langsettian
	TRBR	Trencherbone Rock	Sandstone	Langsettian - Langsettian
	CAR	Cannel Rock (South Lancashire)	Sandstone	Langsettian - Langsettian
	Rock			
	Fault			



Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

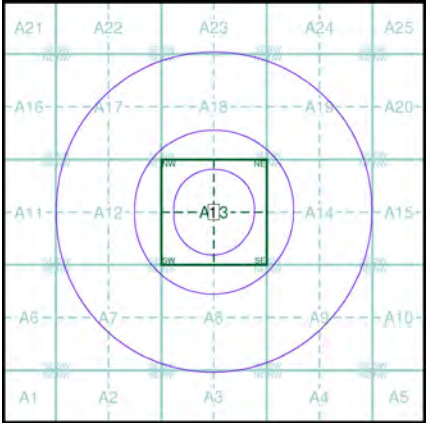
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:10,000 Maps Coverage

Map ID:	1
Map Name:	SD70NE
Map Date:	2008
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Available
Landslip:	Available
Rock Segments:	Available

Geology 1:10,000 Maps - Slice A



Order Details

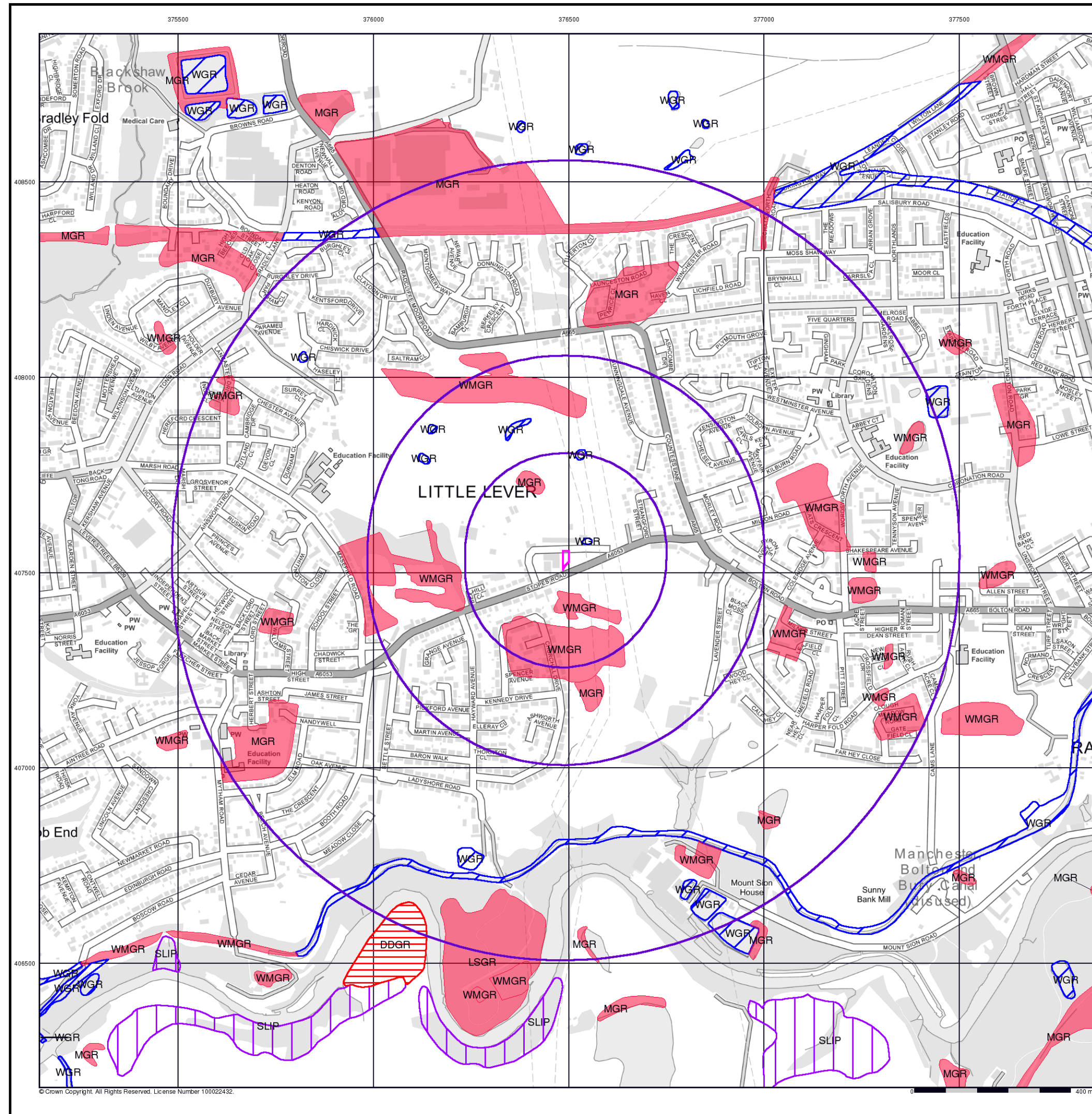
Order Number:	345341568_1_1
Customer Ref:	LKC 24 1154
National Grid Reference:	376490, 407530
Slice:	A
Site Area (Ha):	0.06
Search Buffer (m):	1000

Site Details

Site at 376490, 407540



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Artificial Ground and Landslip

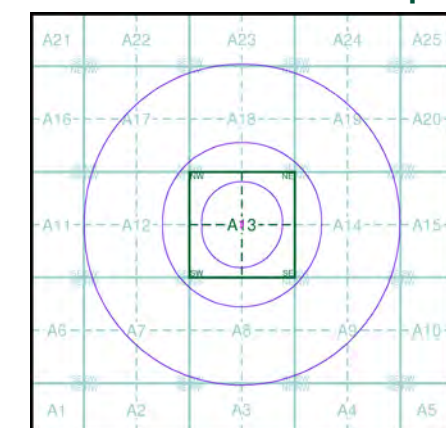
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial Ground and Landslip Map - Slice A



Order Details

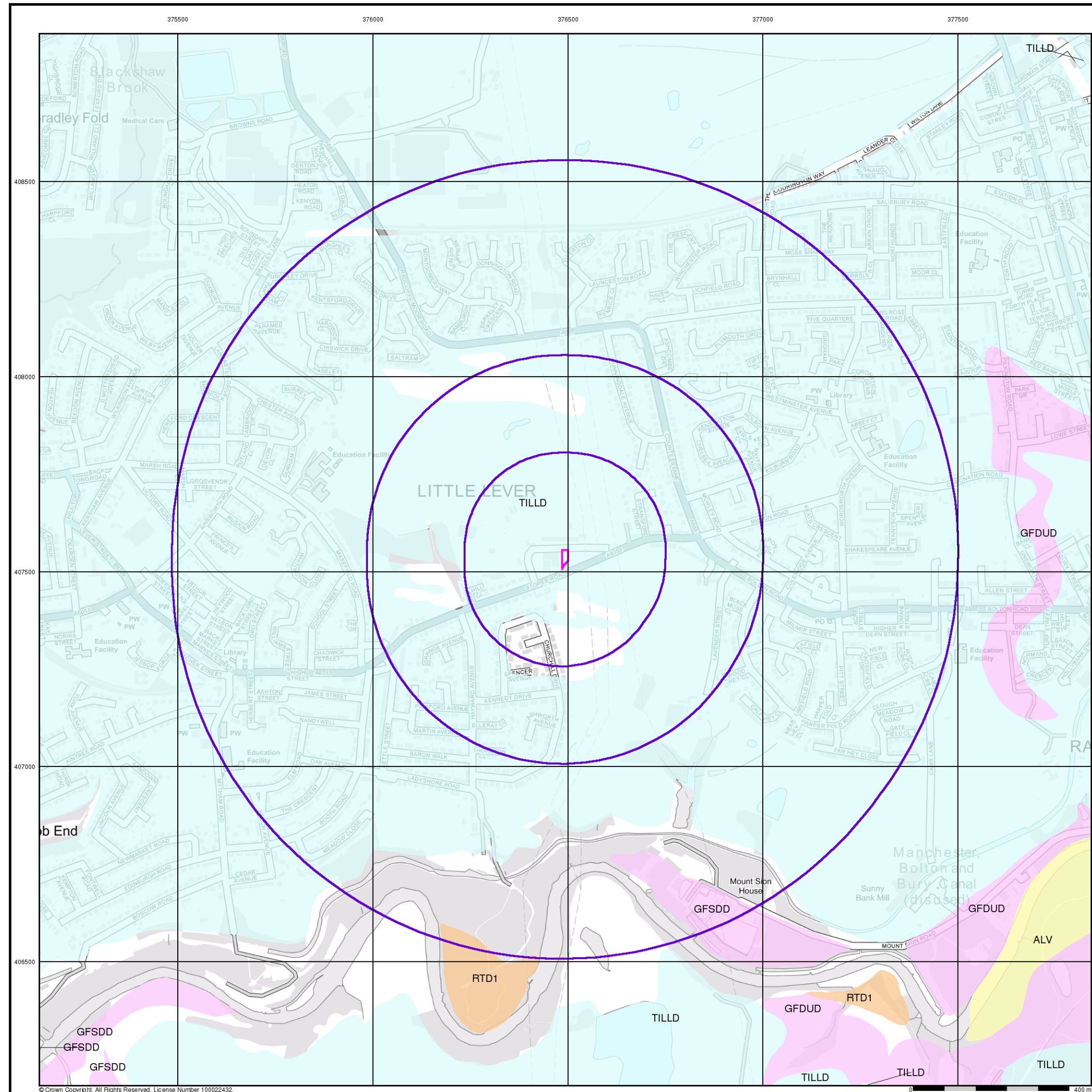
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
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LK GROUP

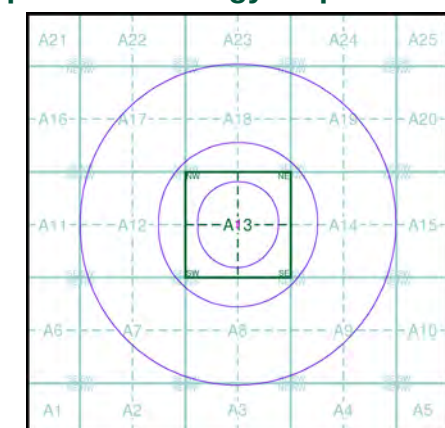
Superficial Geology

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, 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.

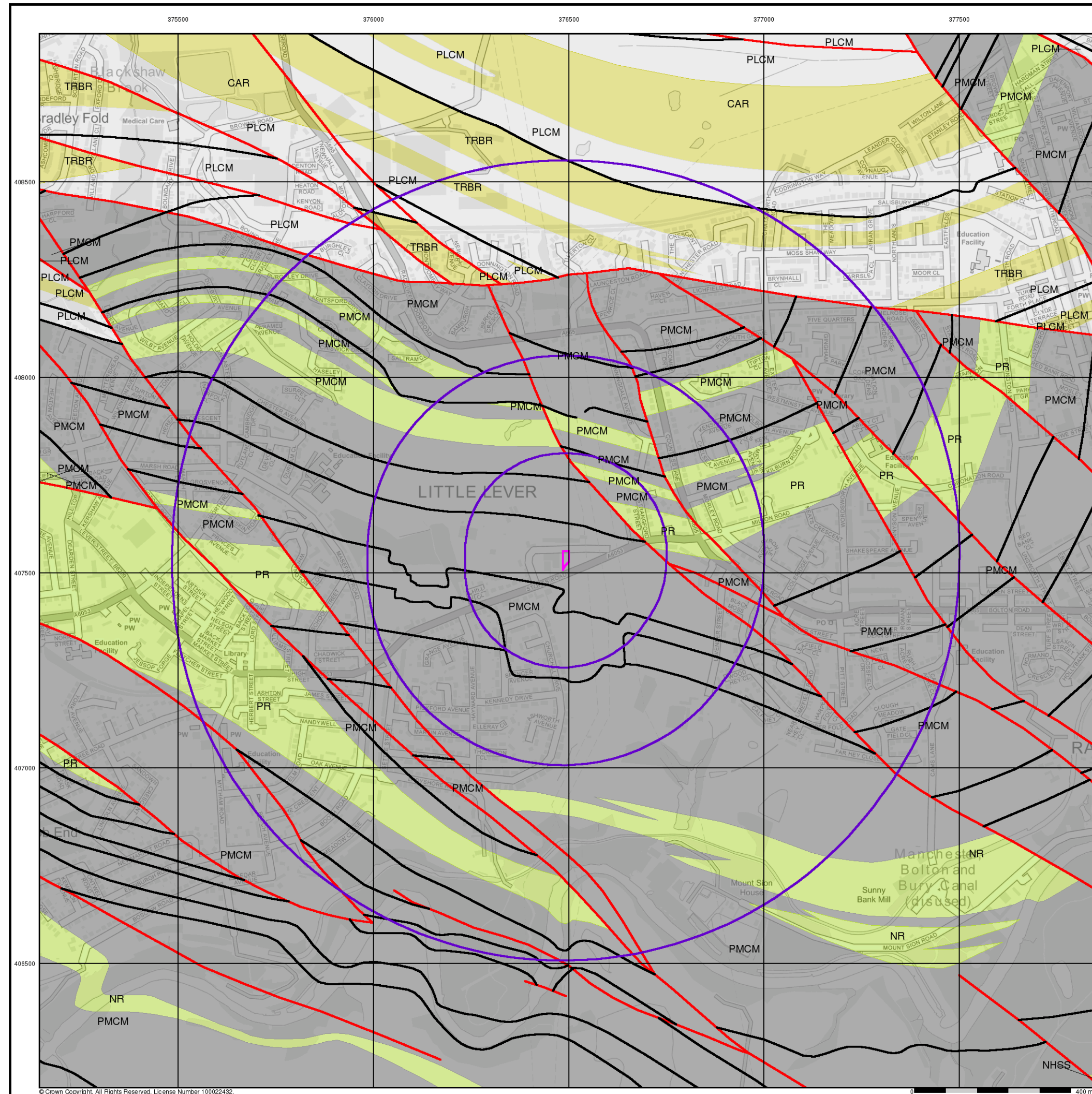
Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



Order Details	
Order Number:	345341568_1_1
Customer Ref:	LKC 24 1154
National Grid Reference:	376490, 407530
Slice:	A
Site Area (Ha):	0.06
Search Buffer (m):	1000

Site Details
Site at 376490, 407540



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Bedrock and Faults

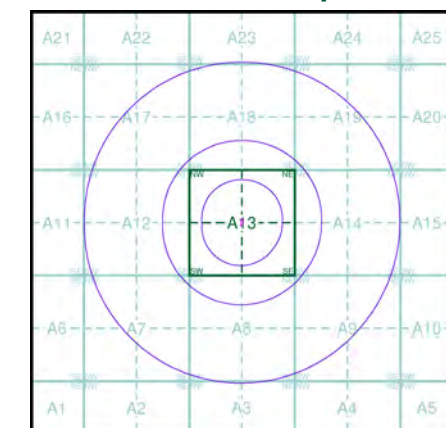
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

Bedrock and Faults Map - Slice A



Order Details

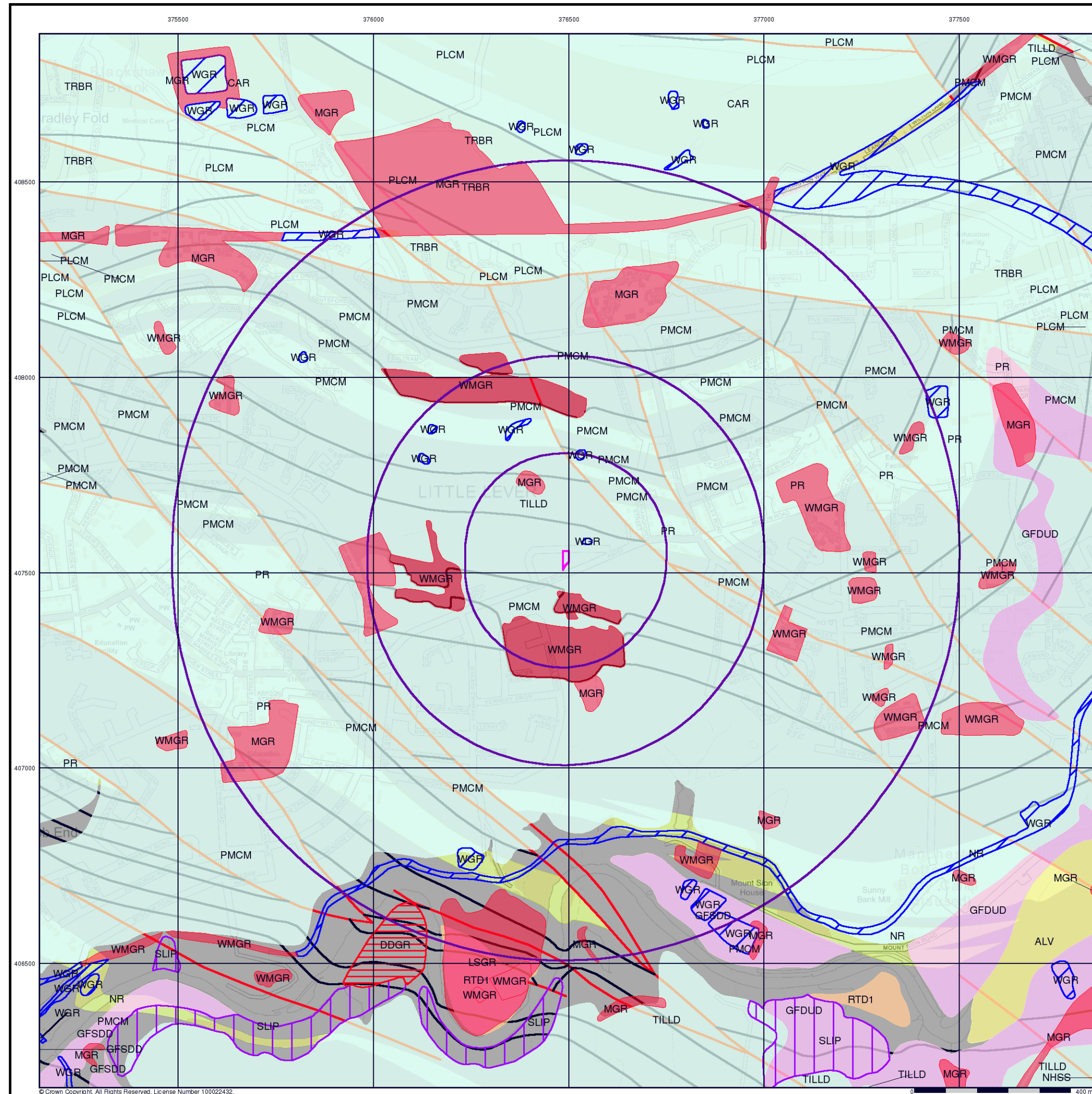
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Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

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.

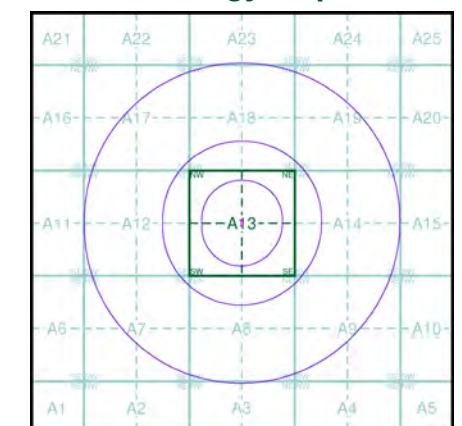
Additional Information

More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

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

Combined Geology Map - Slice A



Order Details

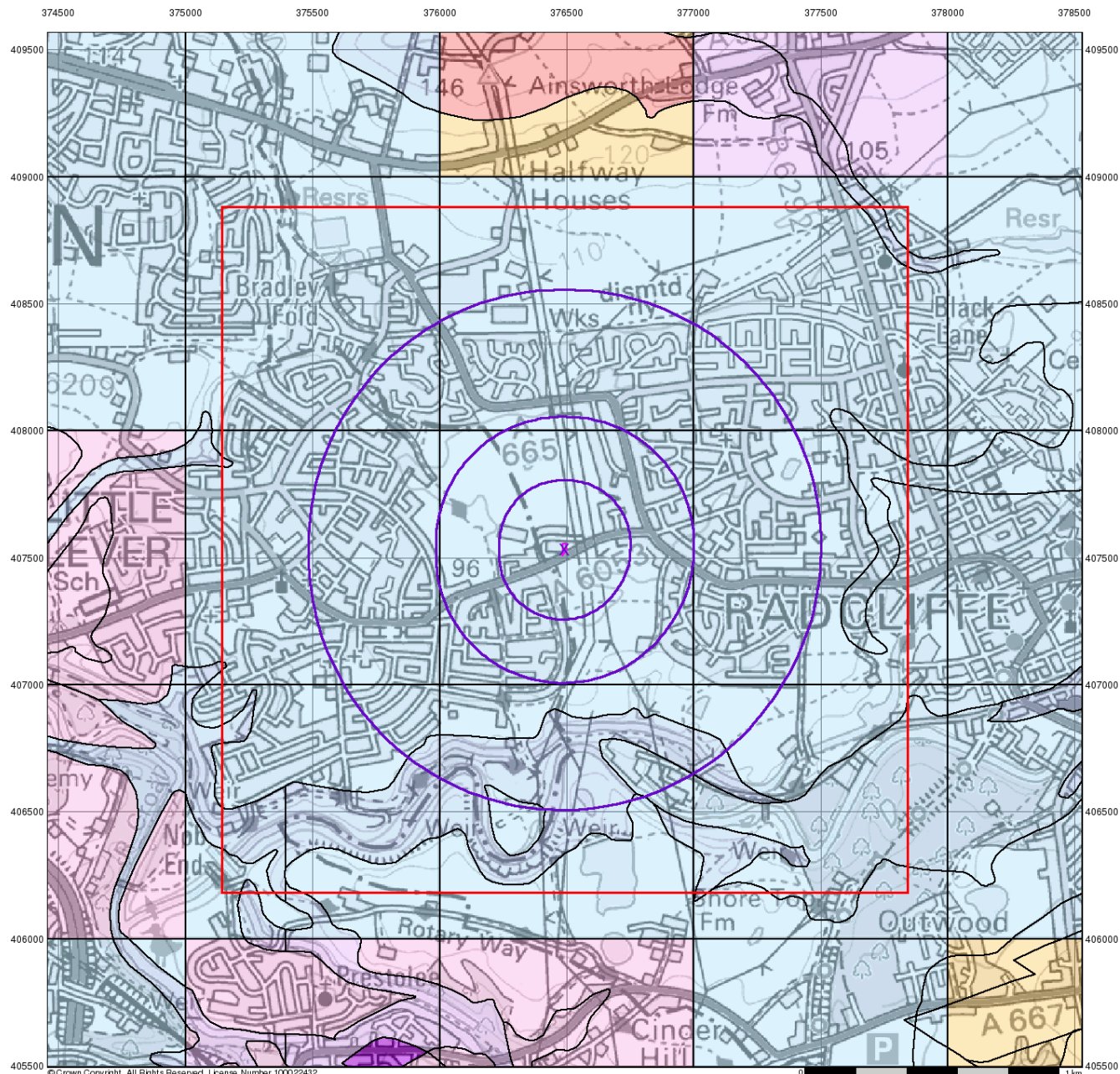
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Site at 376490, 407540



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0 1 km



GROUP

Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

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

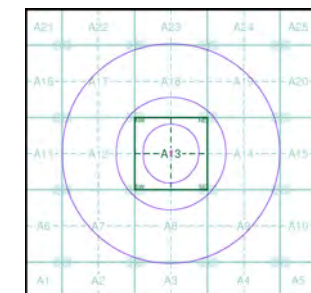
Superficial Aquifers

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

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

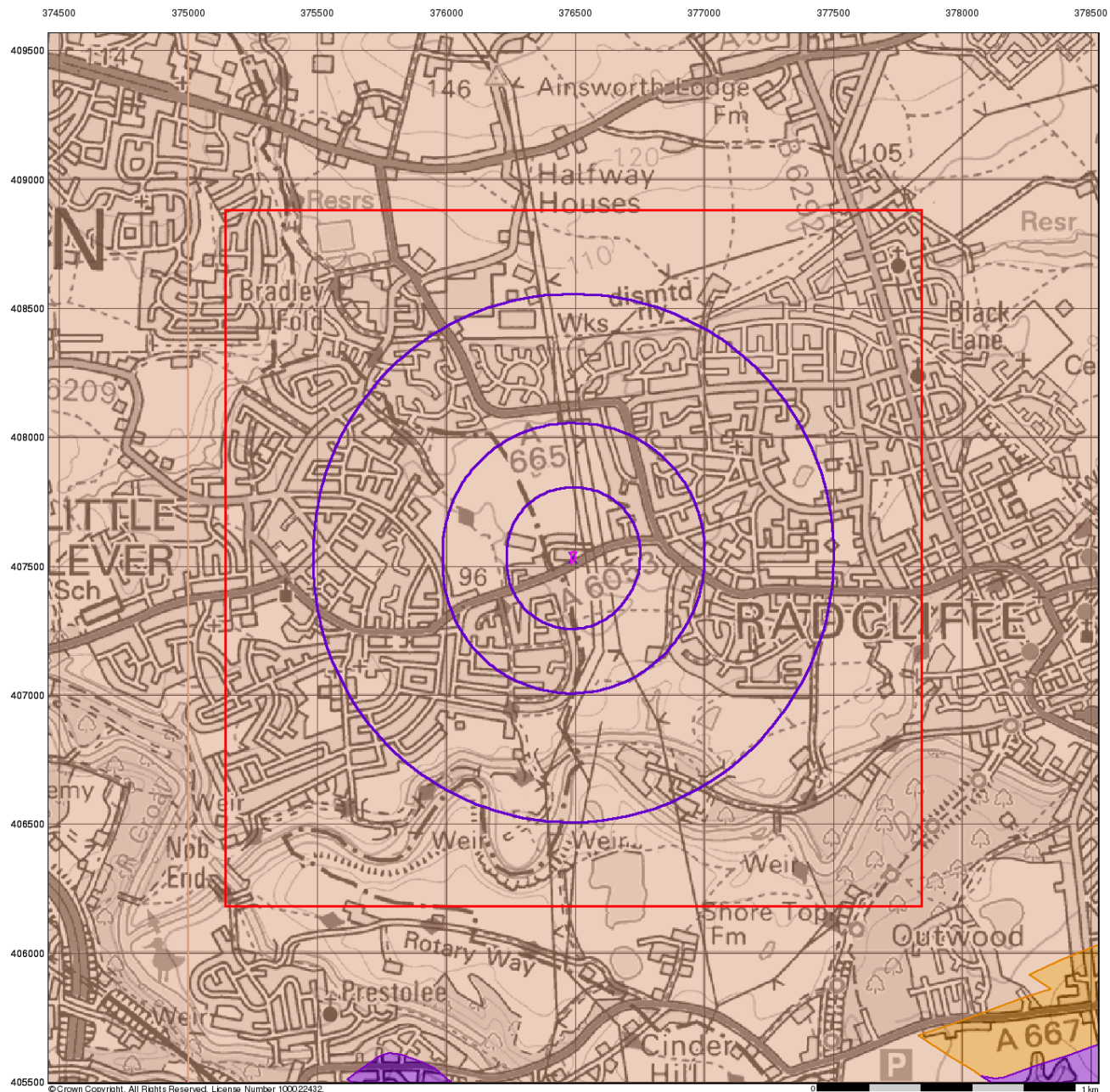
Order Number: 345341568_1_1
 Customer Ref: LKC 24 1154
 National Grid Reference: 376490, 407530
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

Site at 376490, 407540

Landmark
 INFORMATION GROUP

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GROUP

Bedrock Aquifer Designation

General

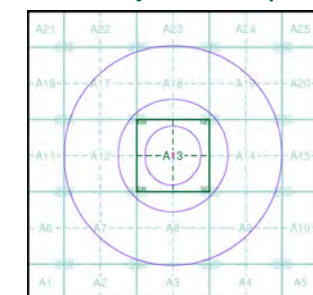
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

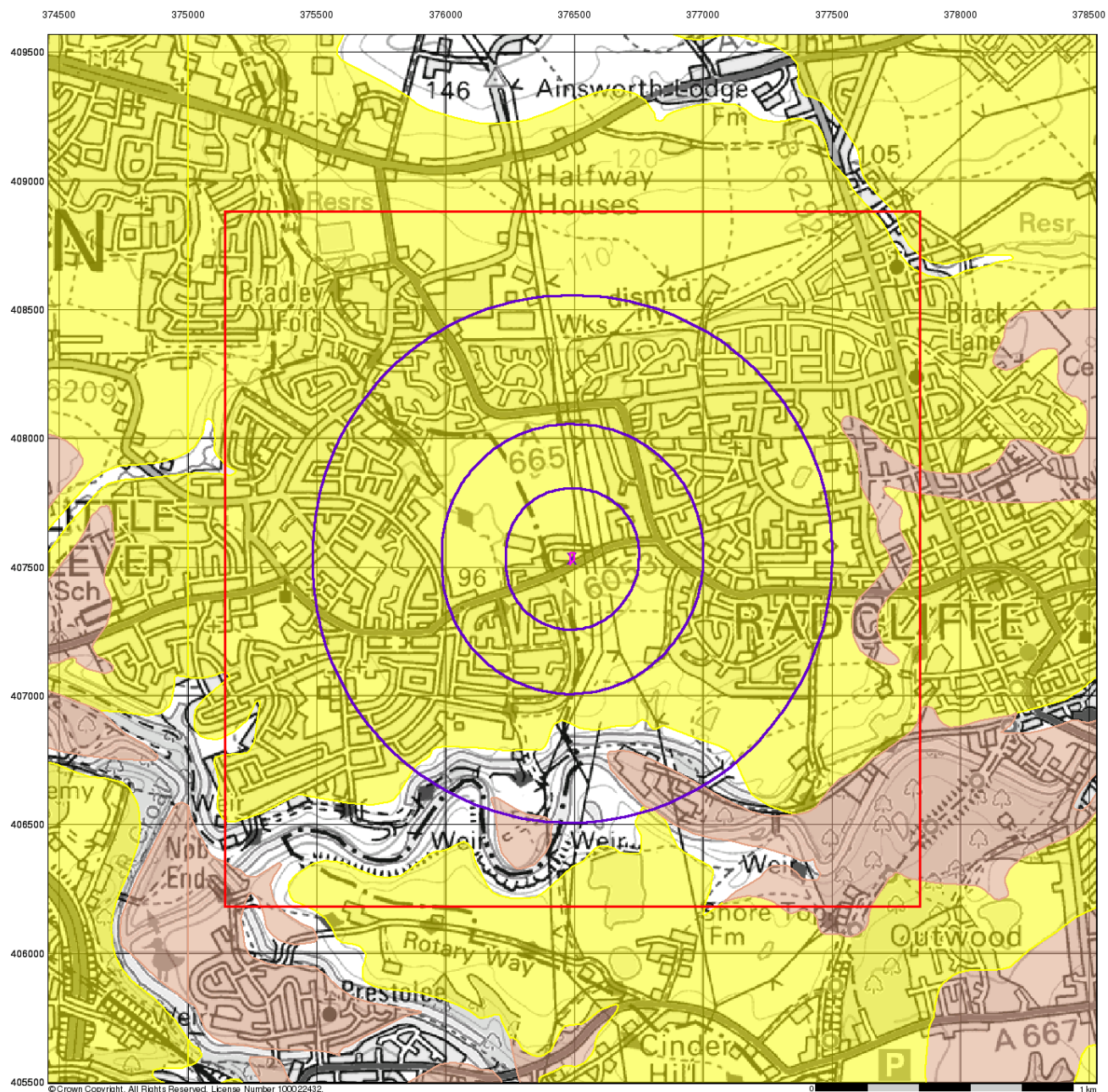
Order Number: 345341568_1_1
 Customer Ref: LKC 24 1154
 National Grid Reference: 376490, 407530
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

Site at 376490, 407540



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GROUP

Superficial Aquifer Designation

General

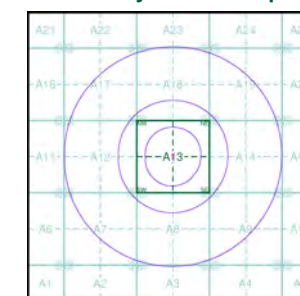
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

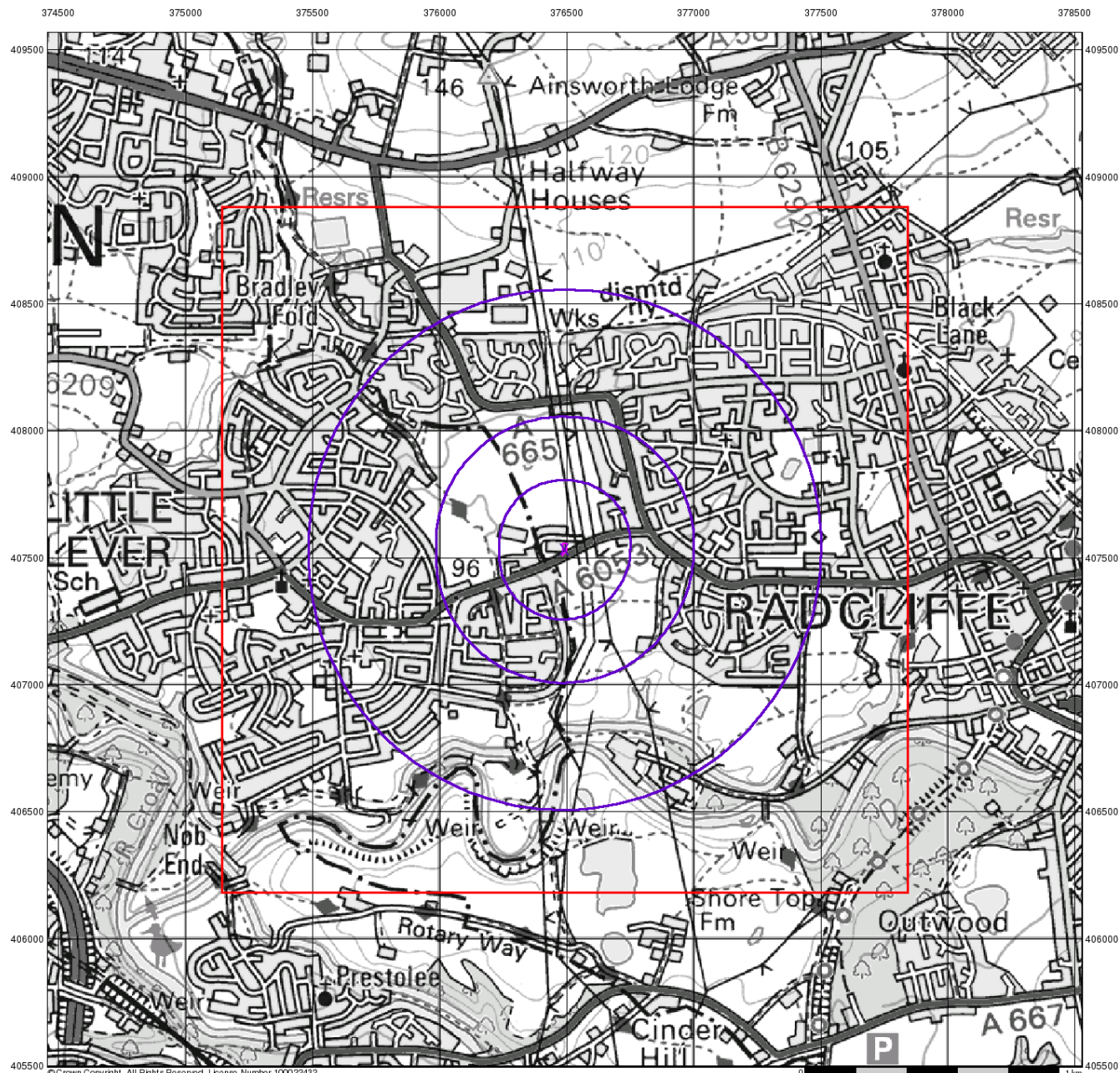
Order Number: 345341568_1_1
 Customer Ref: LKC 24 1154
 National Grid Reference: 376490, 407530
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

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GROUP

Source Protection Zones

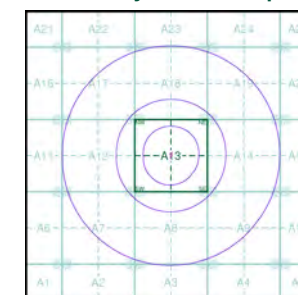
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

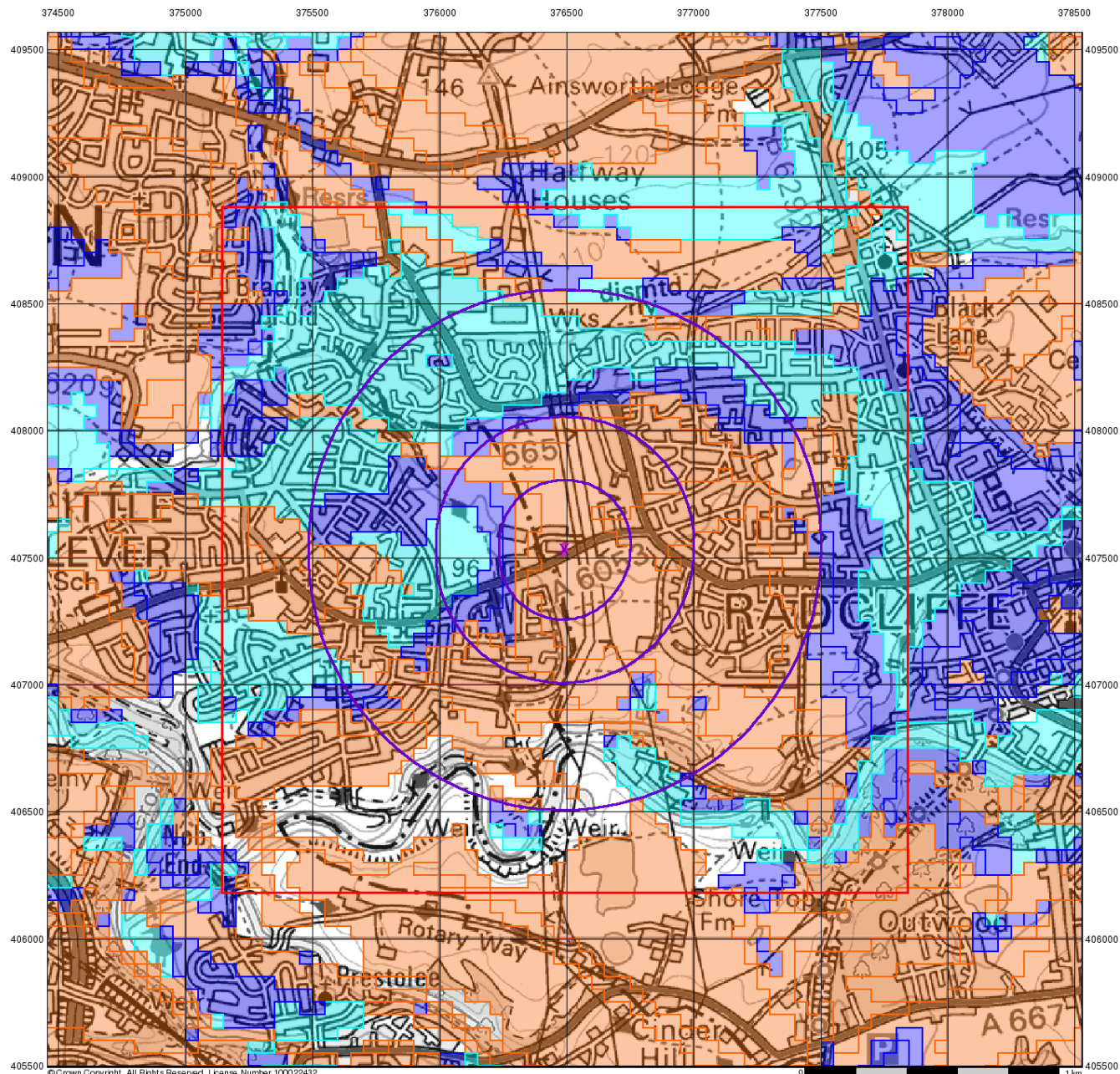
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 Customer Ref: LKC 24 1154
 National Grid Reference: 376490, 407530
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

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Landmark
 INFORMATION GROUP

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GROUP

BGS Flood GFS Data

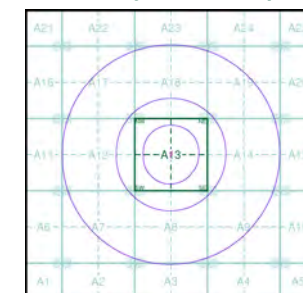
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 345341568_1_1
 Customer Ref: LKC 24 1154
 National Grid Reference: 376490, 407530
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

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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
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WGR	Worked Ground (Undivided)	Void	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
	GFSD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	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
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CHES	Chester Formation	Sandstone	Not Supplied - Olenekian
	MM	Manchester Marls Formation	Mudstone	Not Supplied - GUADALUPIAN
	NR	Nob End Rock	Sandstone	Not Supplied - Westphalian
	NHSS	Newton Heath Sandstone	Sandstone	Not Supplied - Westphalian
	PUCM	Pennine Upper Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	WDR	Worsley Delf Rock	Sandstone	Not Supplied - Westphalian
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and	Not Supplied - Westphalian

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



Geology 1:50,000 Maps

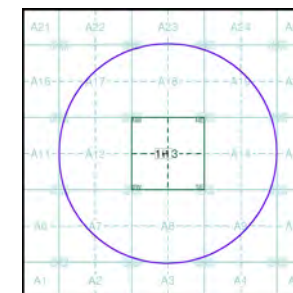
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

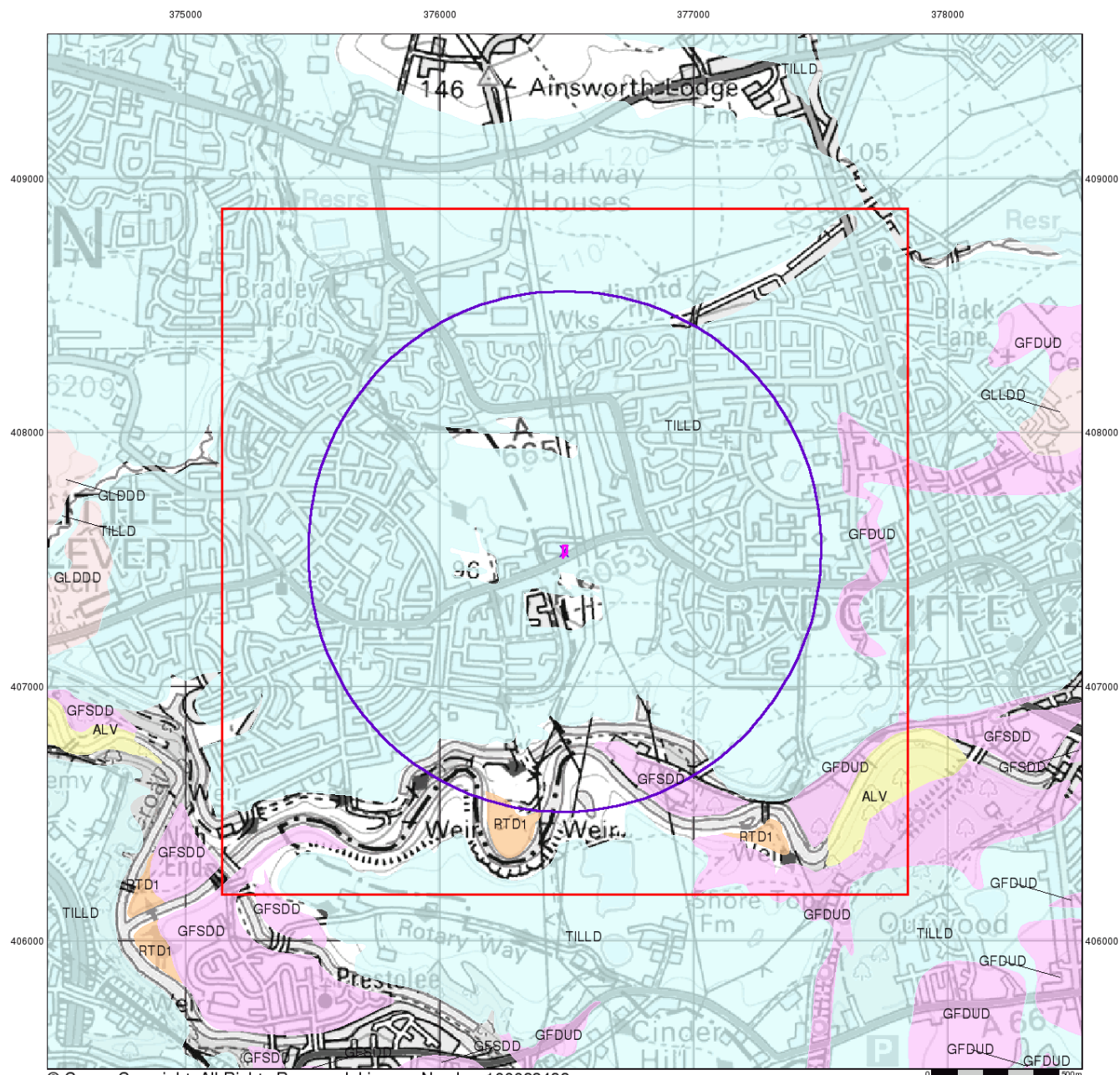


Order Details:

Order Number: 345341568_1_1
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Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details:

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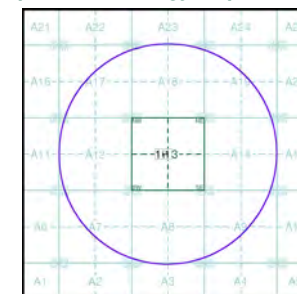
Superficial Geology

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:

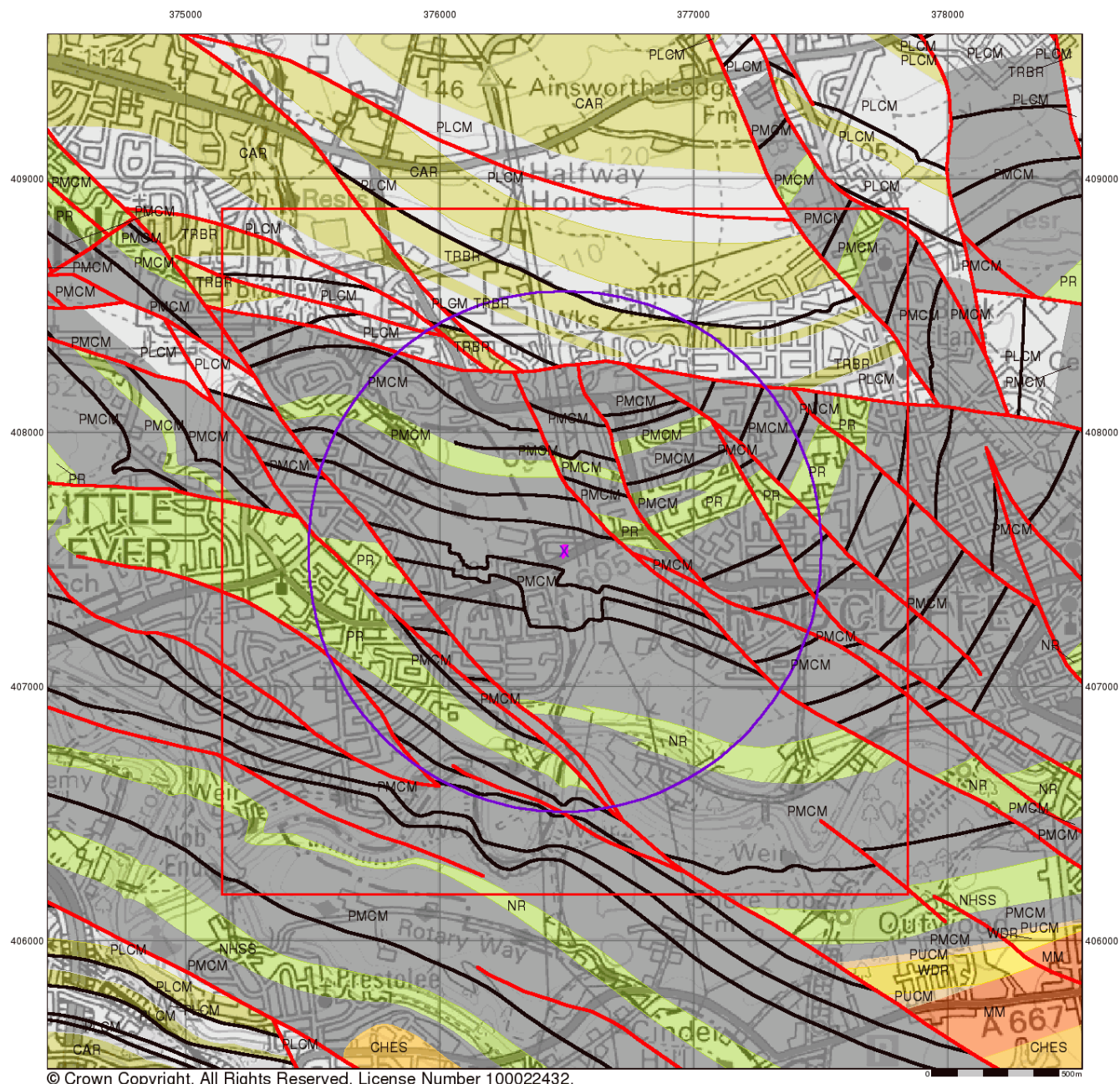
Order Number: 345341568_1_1
 Customer Reference: LKC 24 1154
 National Grid Reference: 376490, 407530
 Slice: A
 Site Area (Ha): 0.06
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Site Details:

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Bedrock and Faults

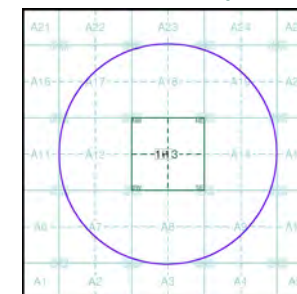
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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:

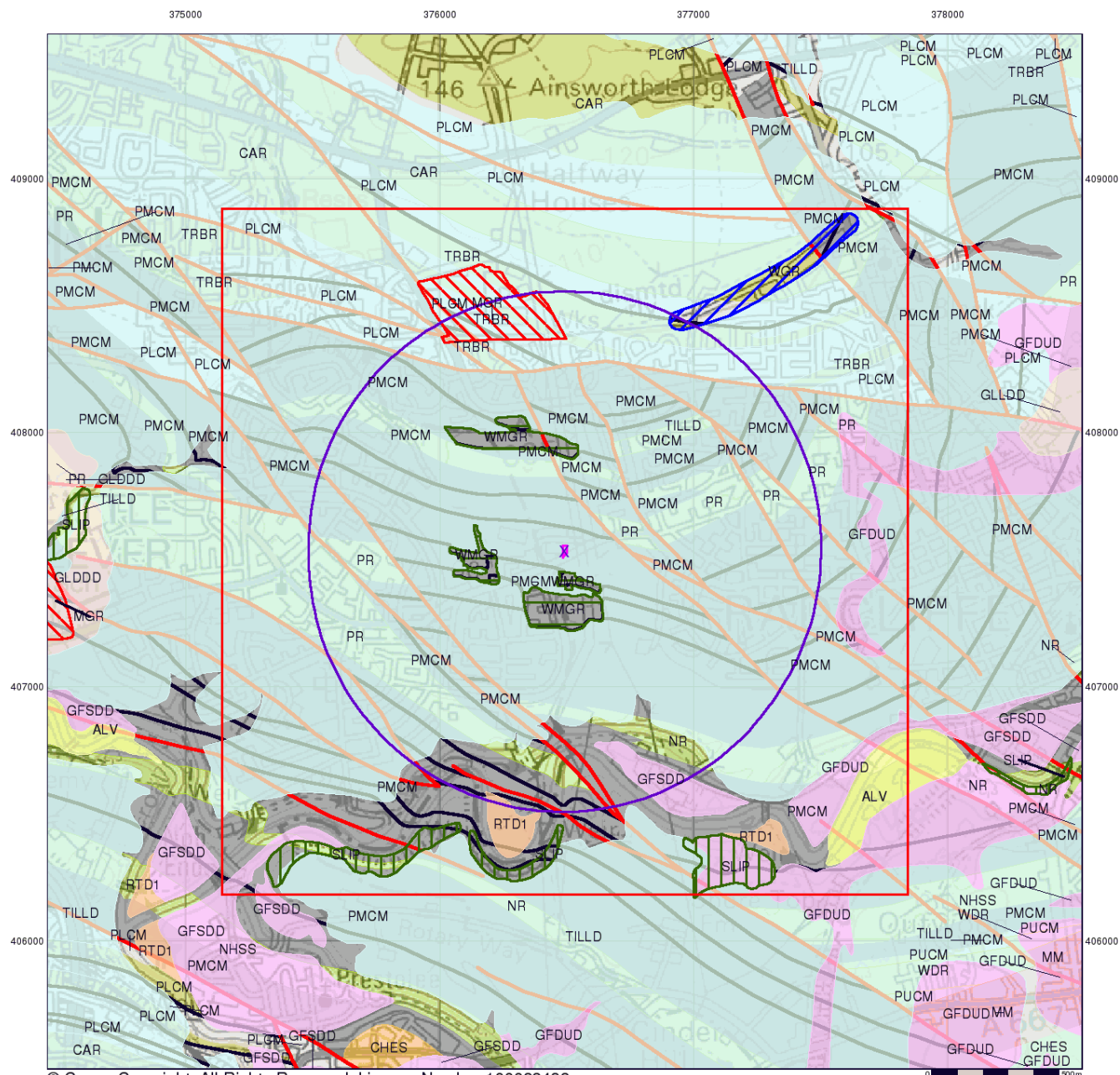
Order Number: 345341568_1_1
 Customer Reference: LKC 24 1154
 National Grid Reference: 376490, 407530
 Slice: A
 Site Area (Ha): 0.06
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Site Details:

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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.

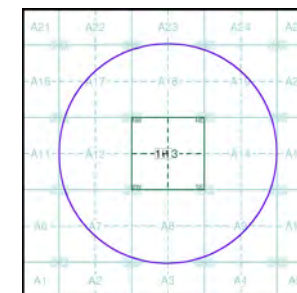
Additional Information

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:

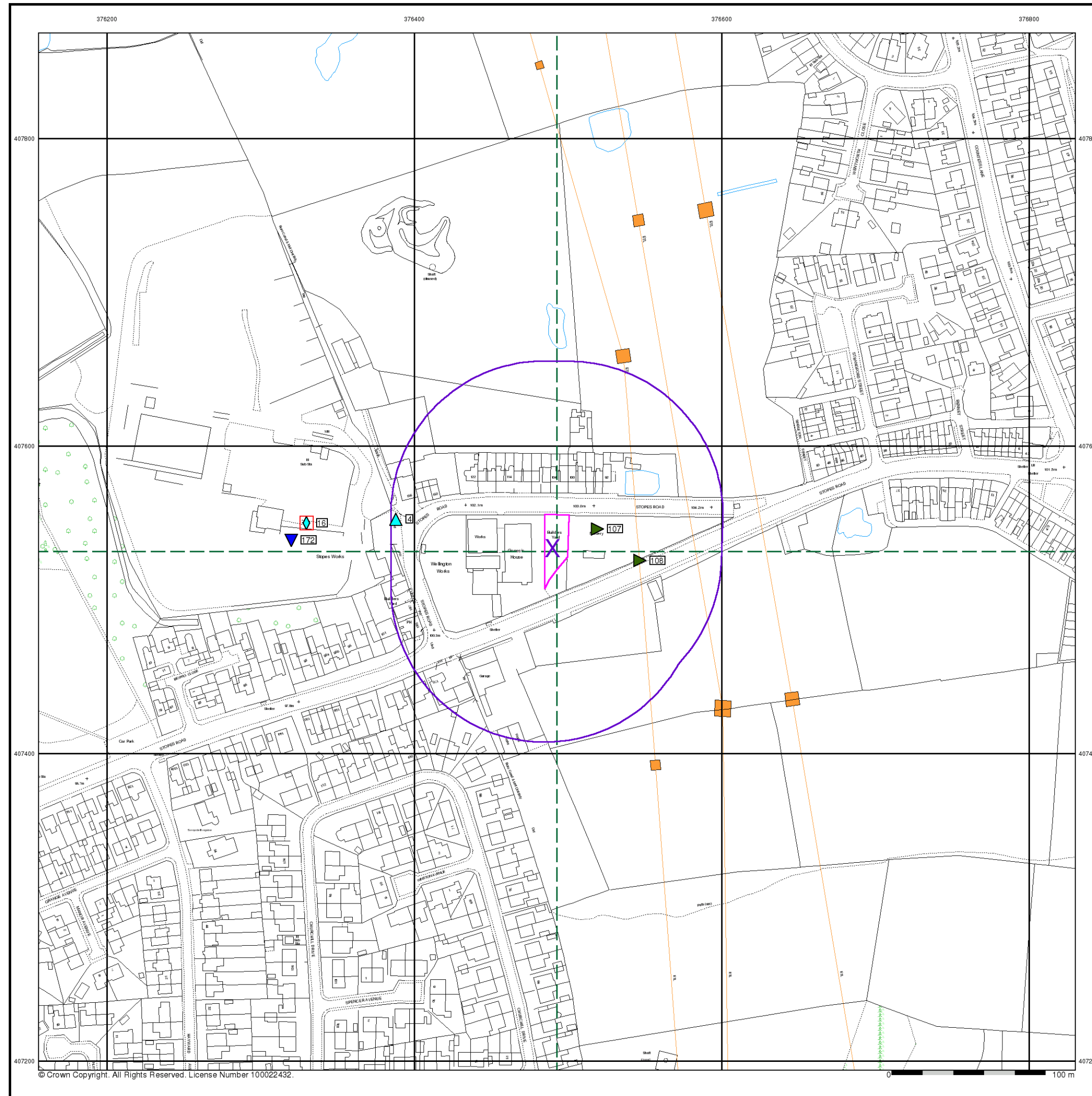
Order Number: 345341568_1_1
Customer Reference: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details:

Site at 376490, 407540



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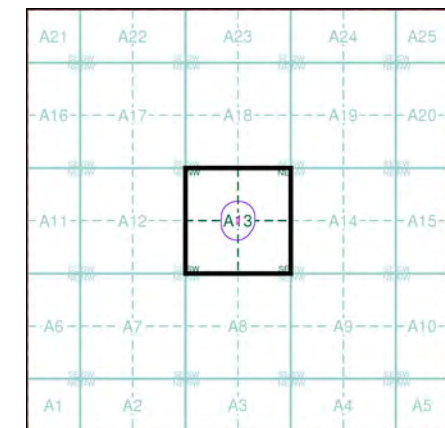


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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated 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
 - 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 (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

Site Sensitivity Map - Segment A13

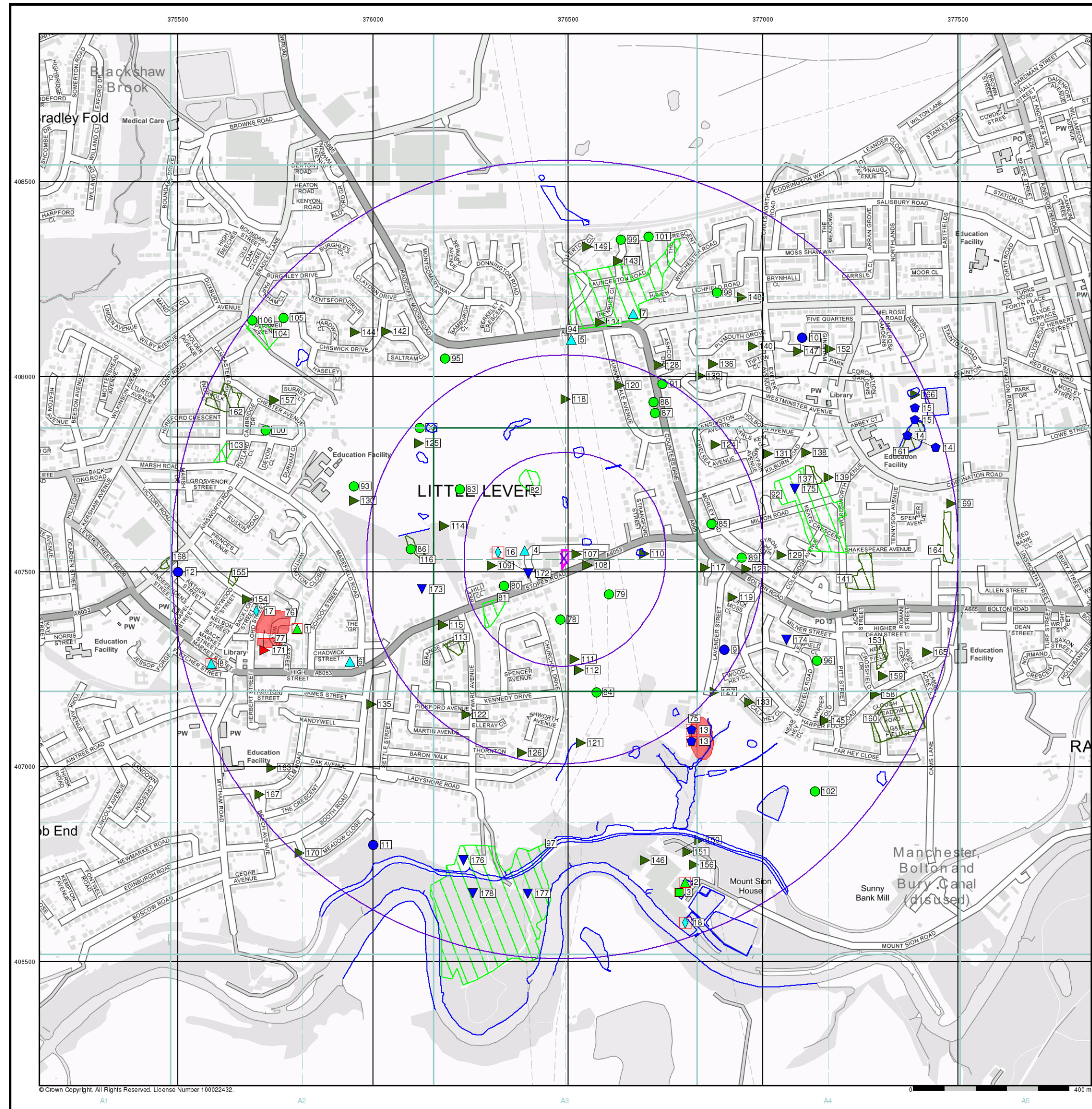


Order Details

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Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Plot Buffer (m): 100

Site Details

Site at 376490, 407540

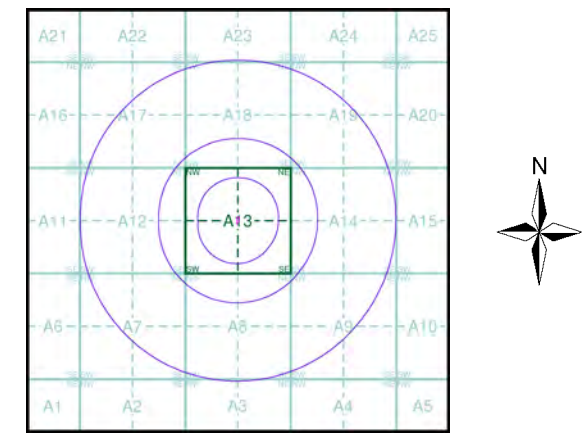


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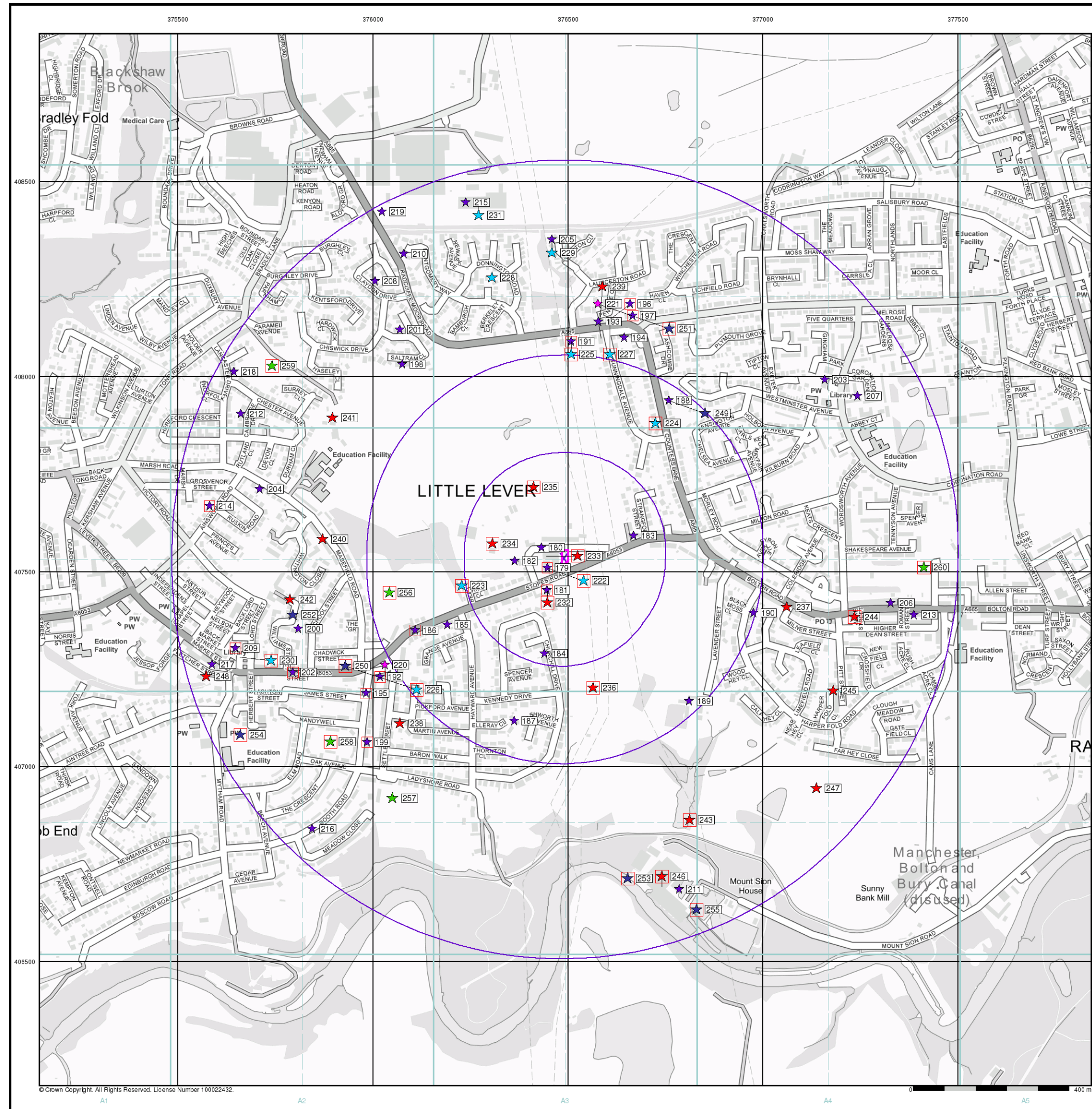
- General**
 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention 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
- Waste**
 - BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
 - COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Geological**
 -

Site Sensitivity Map - Slice A



Order Details
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details
Site at 376490, 407540



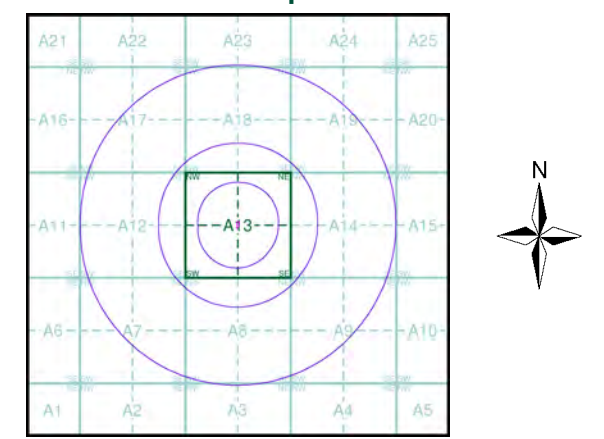
LK GROUP

Industrial Land Use Map

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

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

Industrial Land Use Map - Slice A

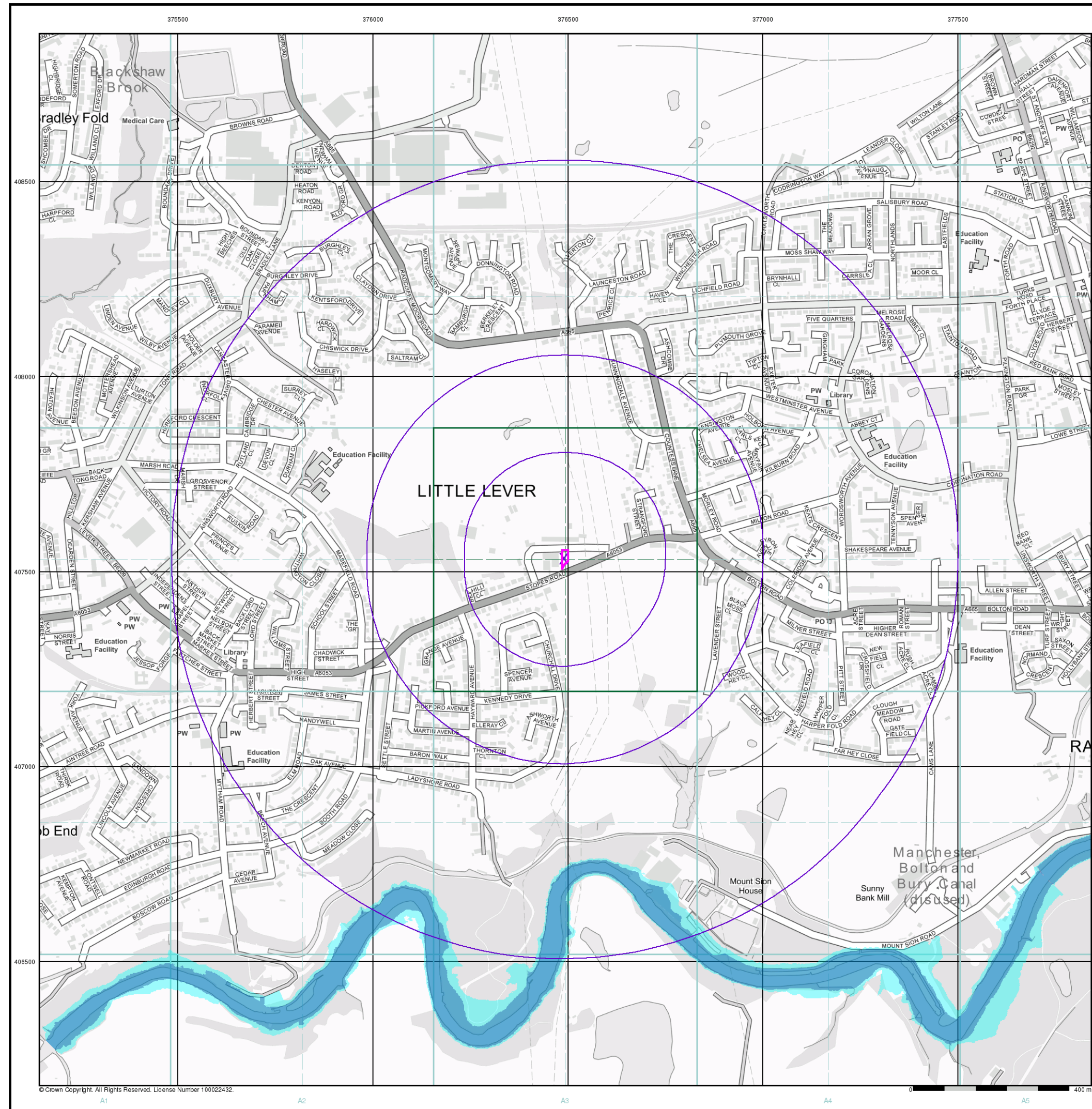


Order Details

Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Site at 376490, 407540



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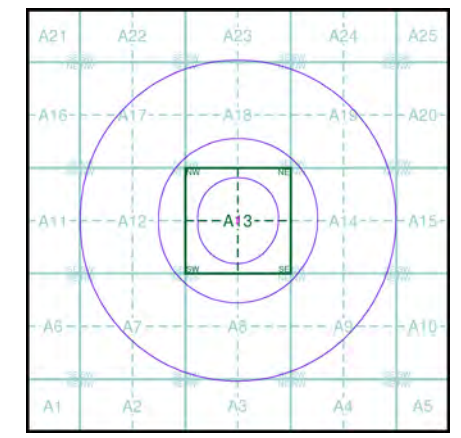
General

- 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

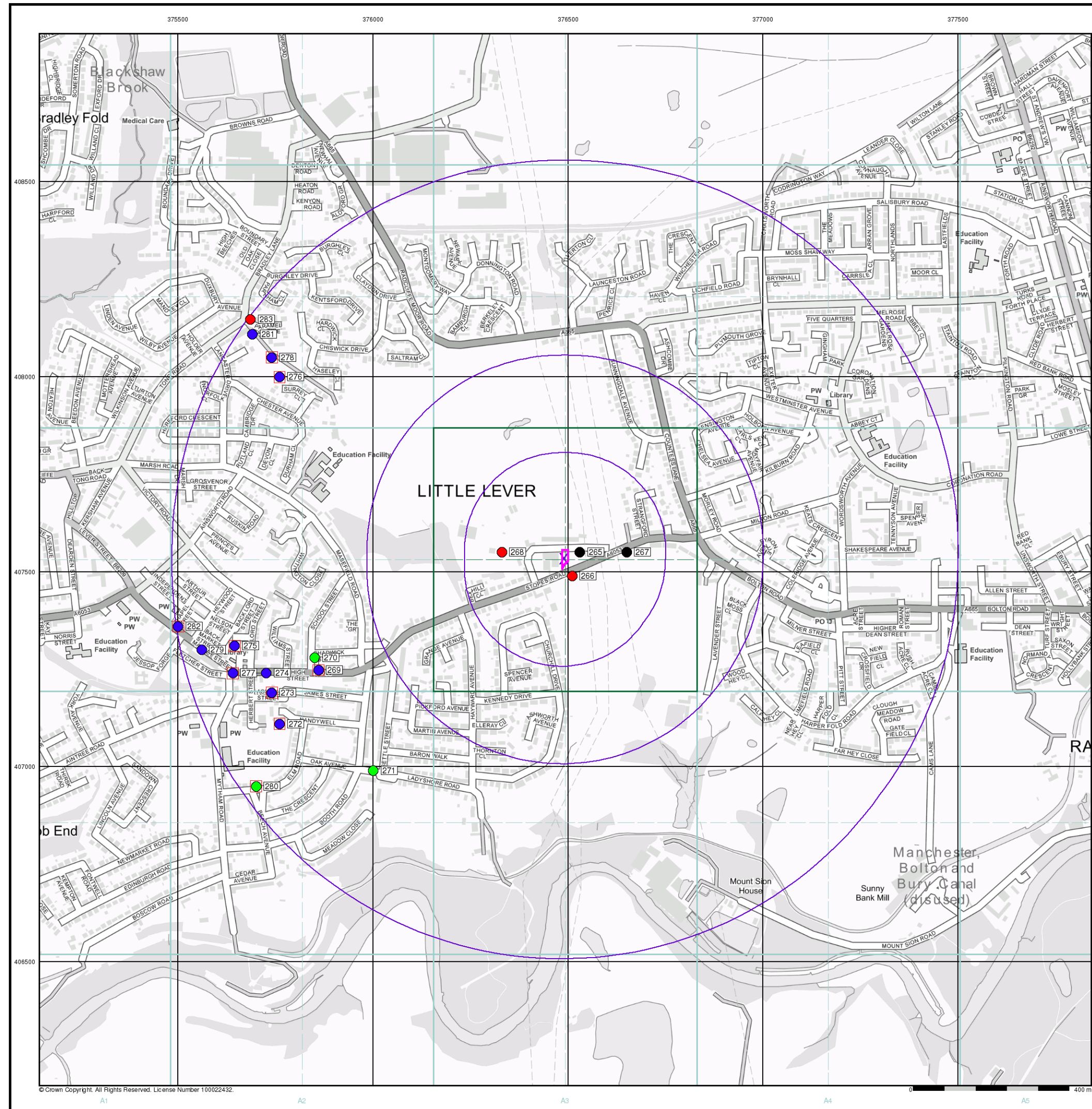
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

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General

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

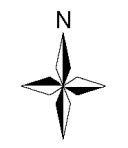
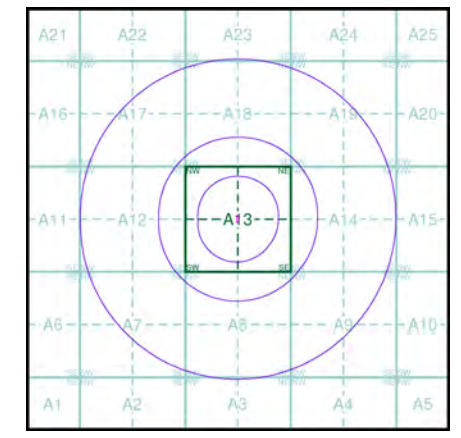
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

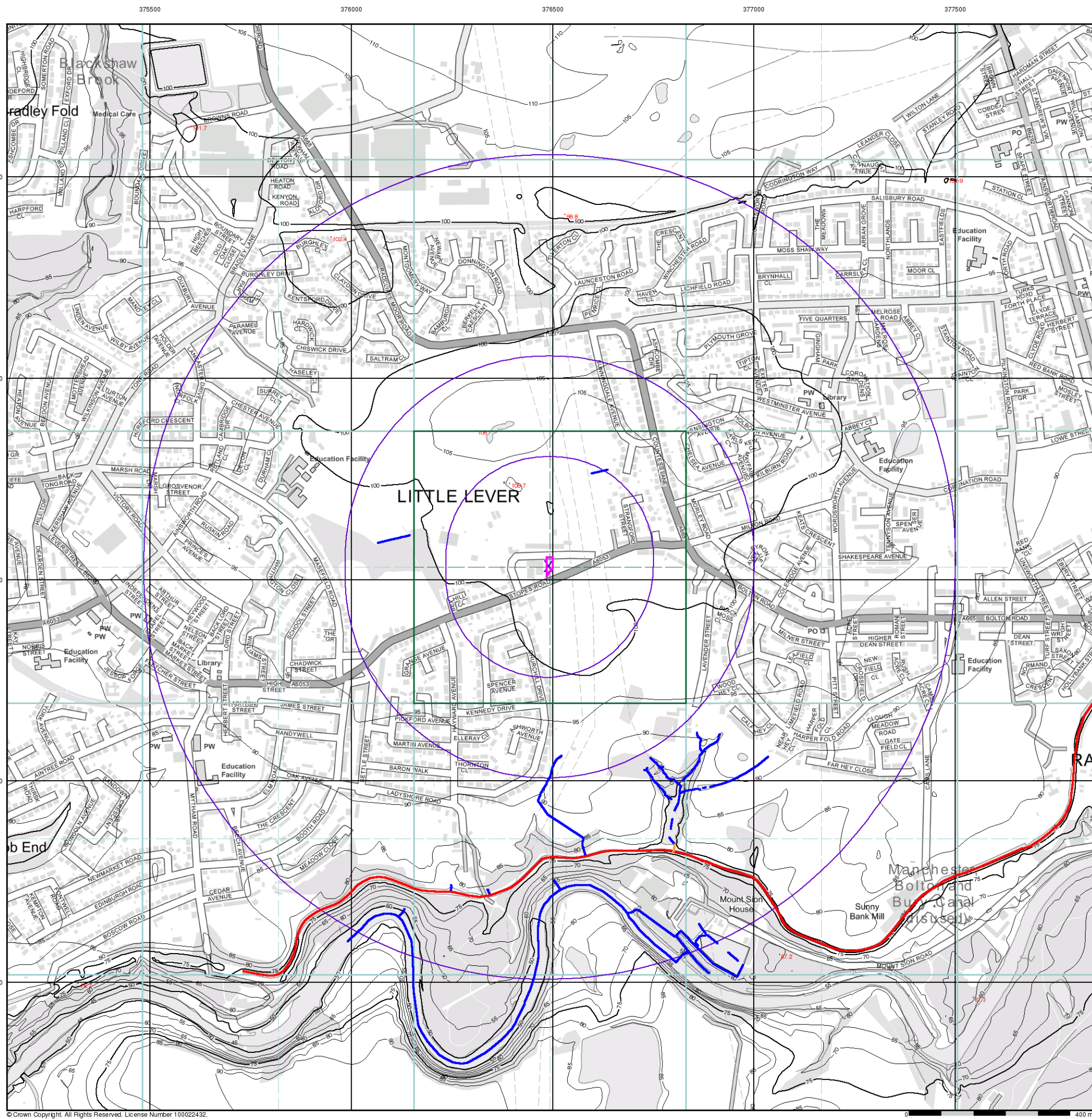
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

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General

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

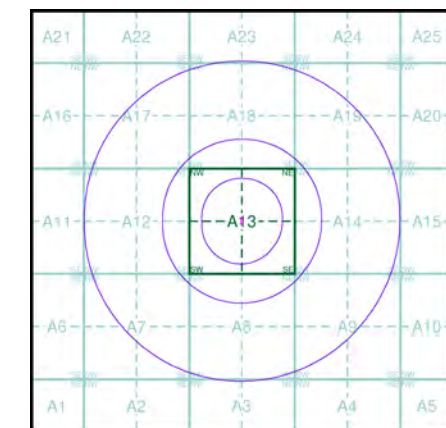
OS Water Network Data

- | | |
|--------------|-------------------------|
| 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
- MLW: Mean Low Water
- MHW: Mean High Water

OS Water Network Map - Slice A



Order Details

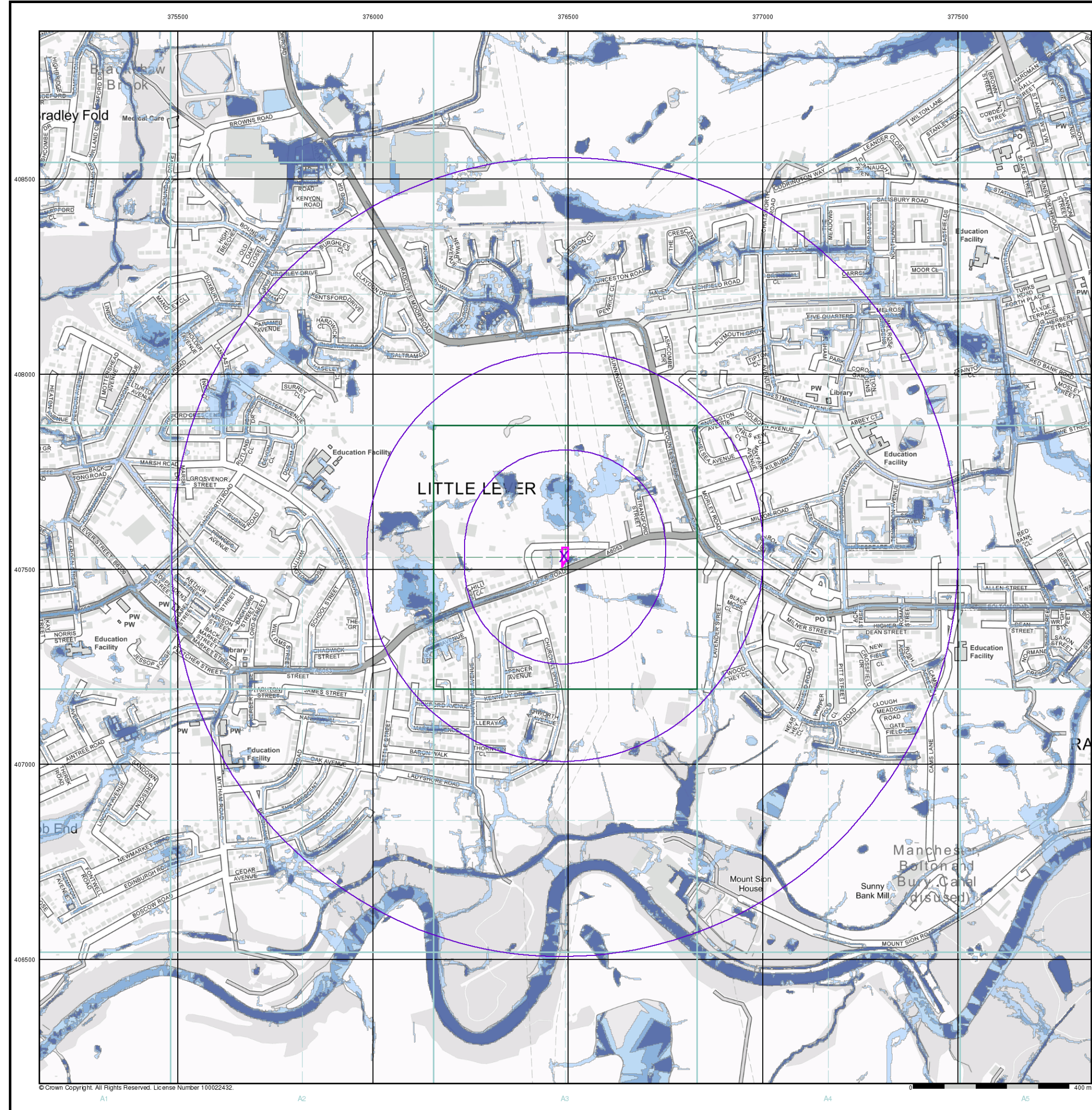
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 Customer Ref: LKC 24 1154
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 Slice: A
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 Search Buffer (m): 1000

Site Details

Site at 376490, 407540



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General

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

Risk of Flooding from Surface Water

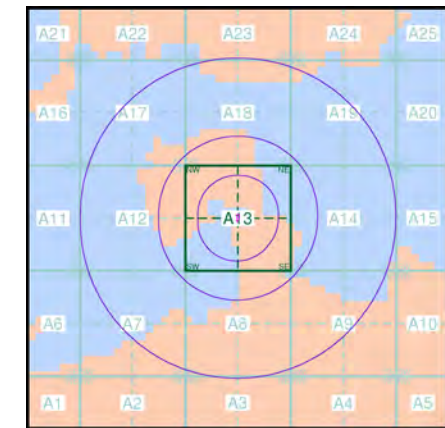
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

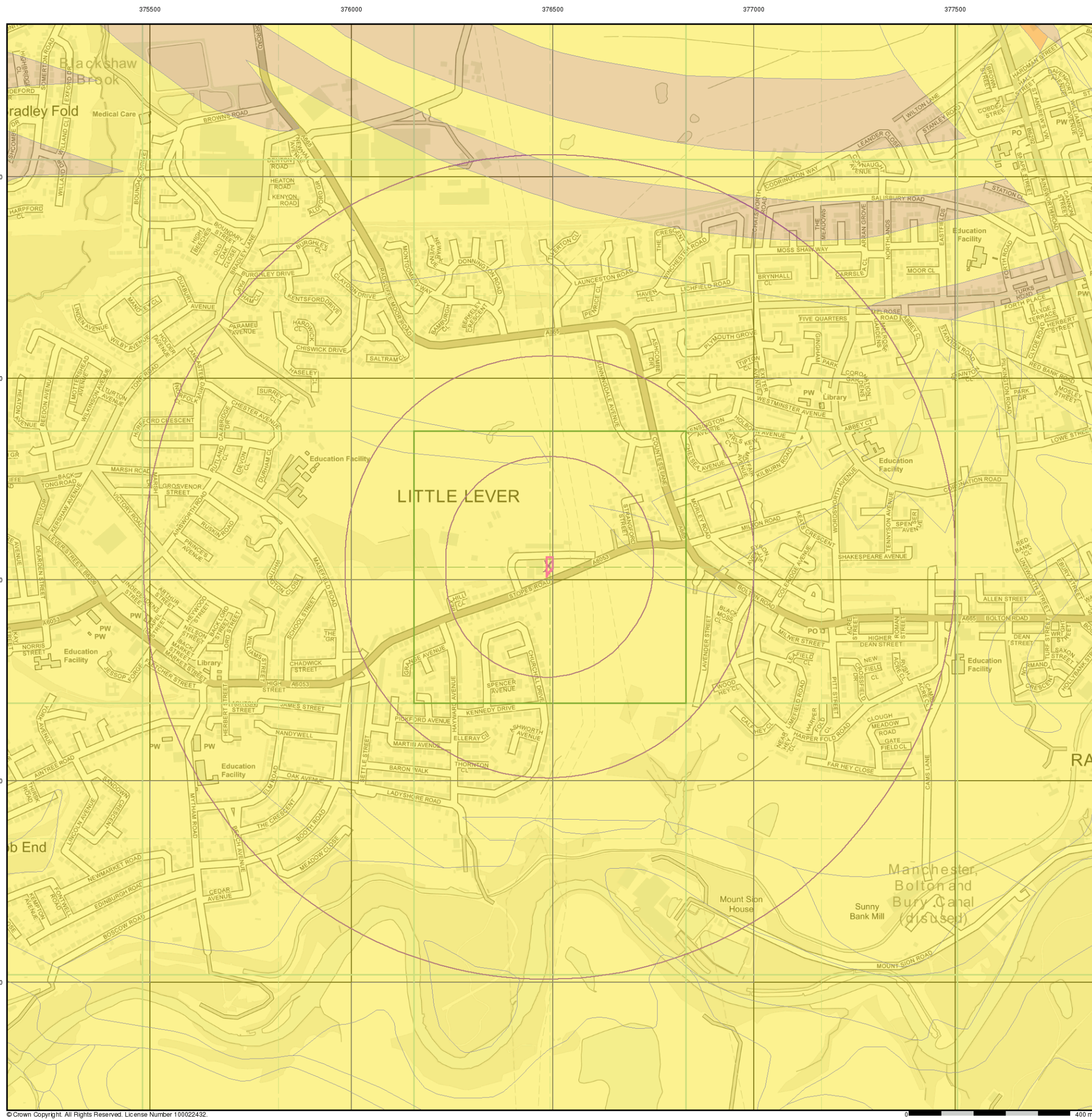
Order Number: 345341568_1_1
Customer Ref: LKC 24 1154
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Slice: A
Site Area (Ha): 0.06
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Site Details

Site at 376490, 407540



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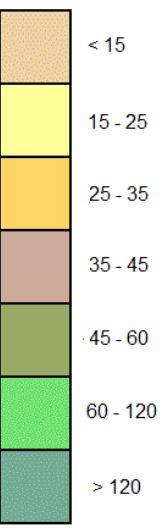


General

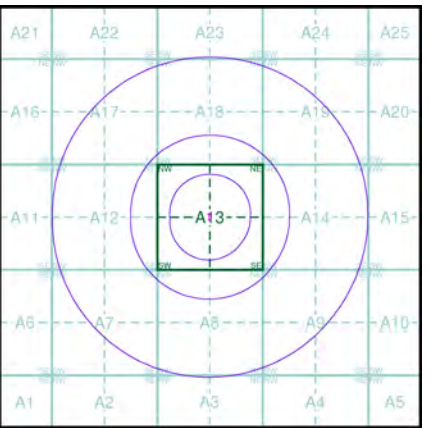
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

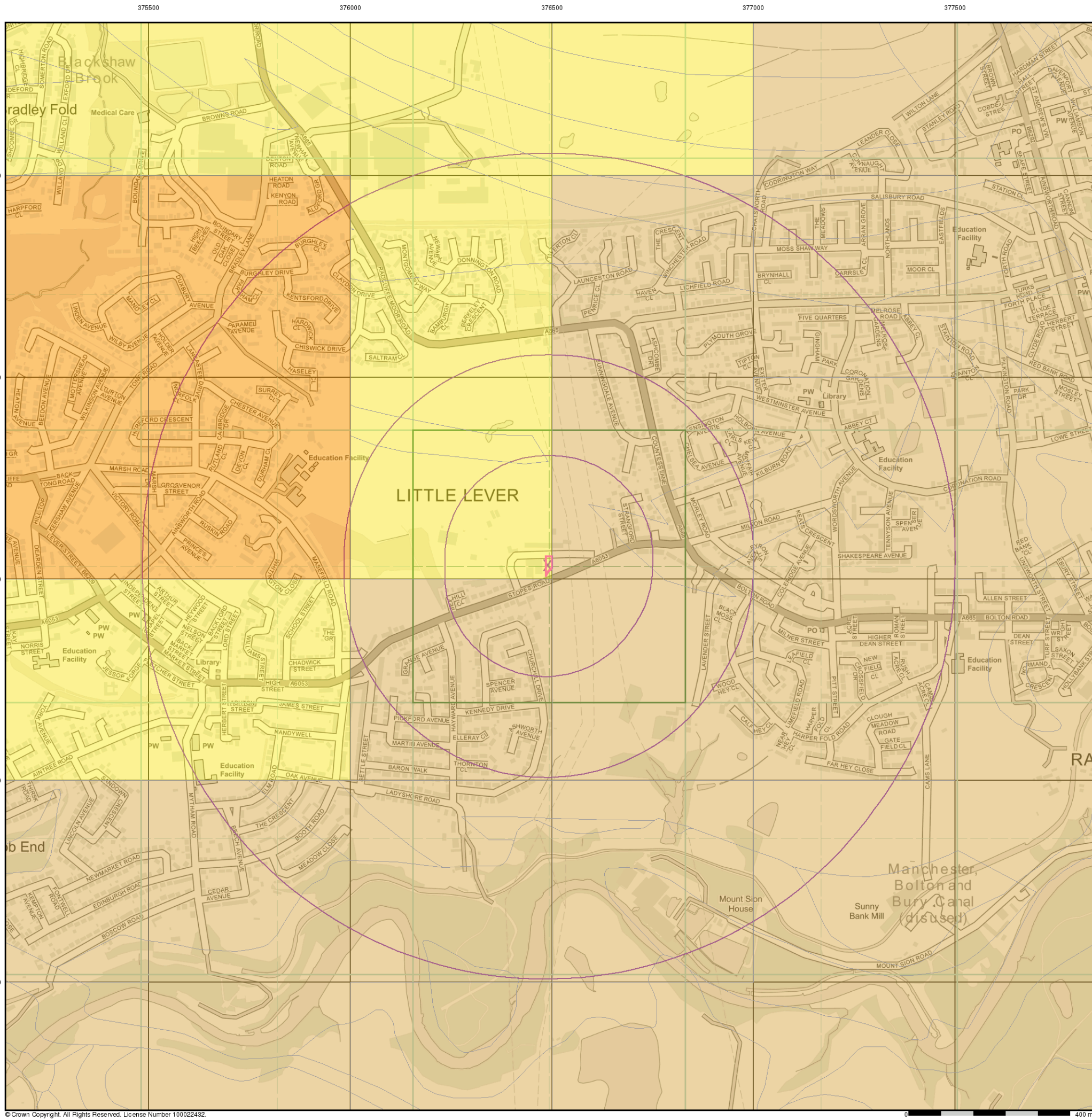
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Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Site at 376490, 407540



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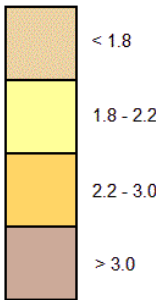


General

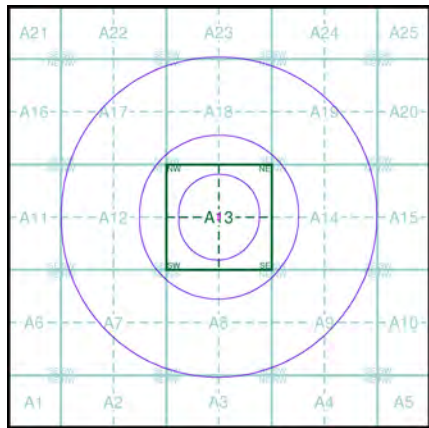
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

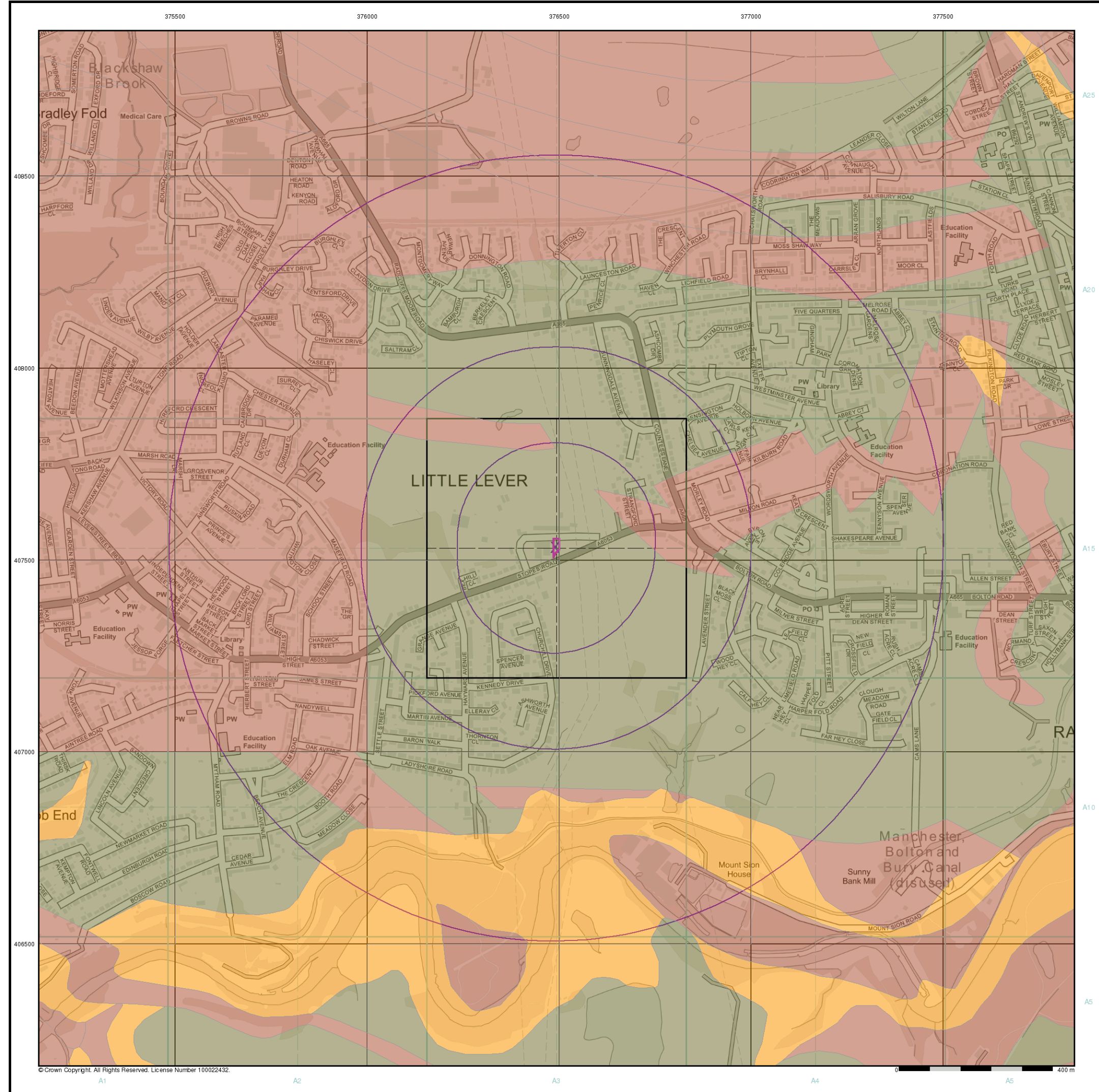
Order Details: 345341568_1_1
Customer Ref: LKC 24 1154
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Slice: A
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Search Buffer (m): 1000

Site Details

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General

Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

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

Estimated Soil Chemistry Chromium - Slice A

Order Details

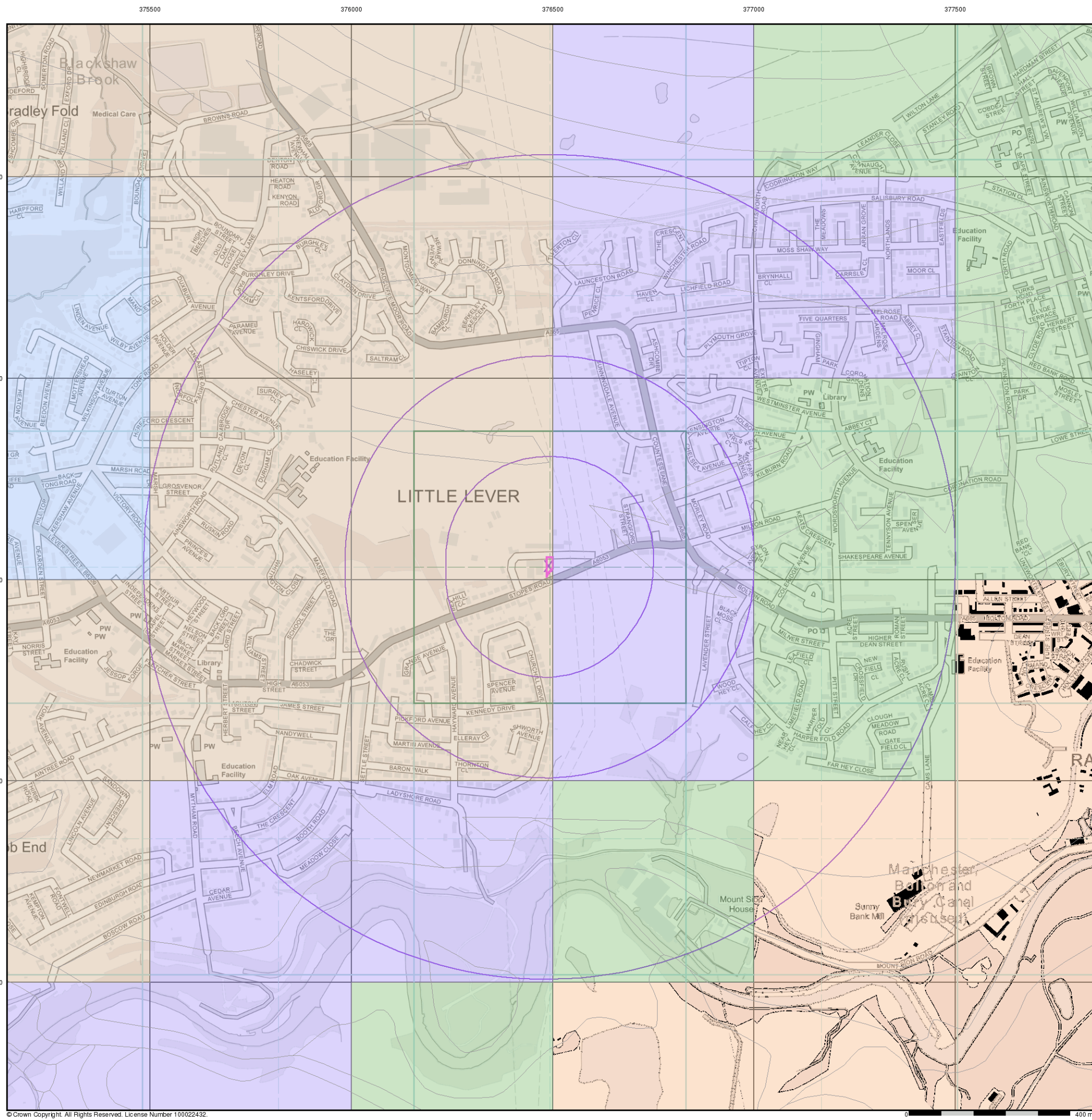
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Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Site at 376490, 407540

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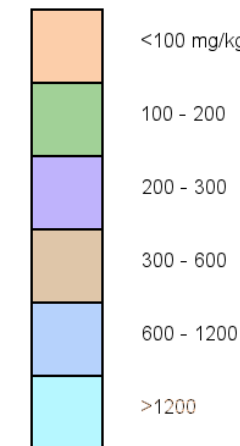


General

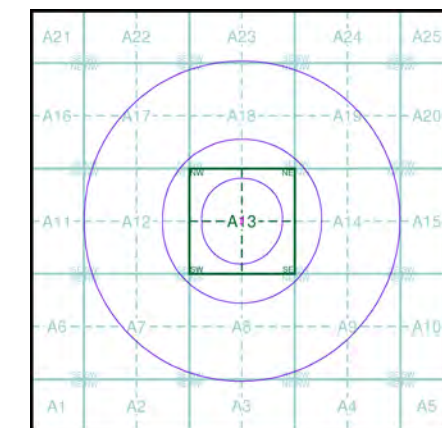
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

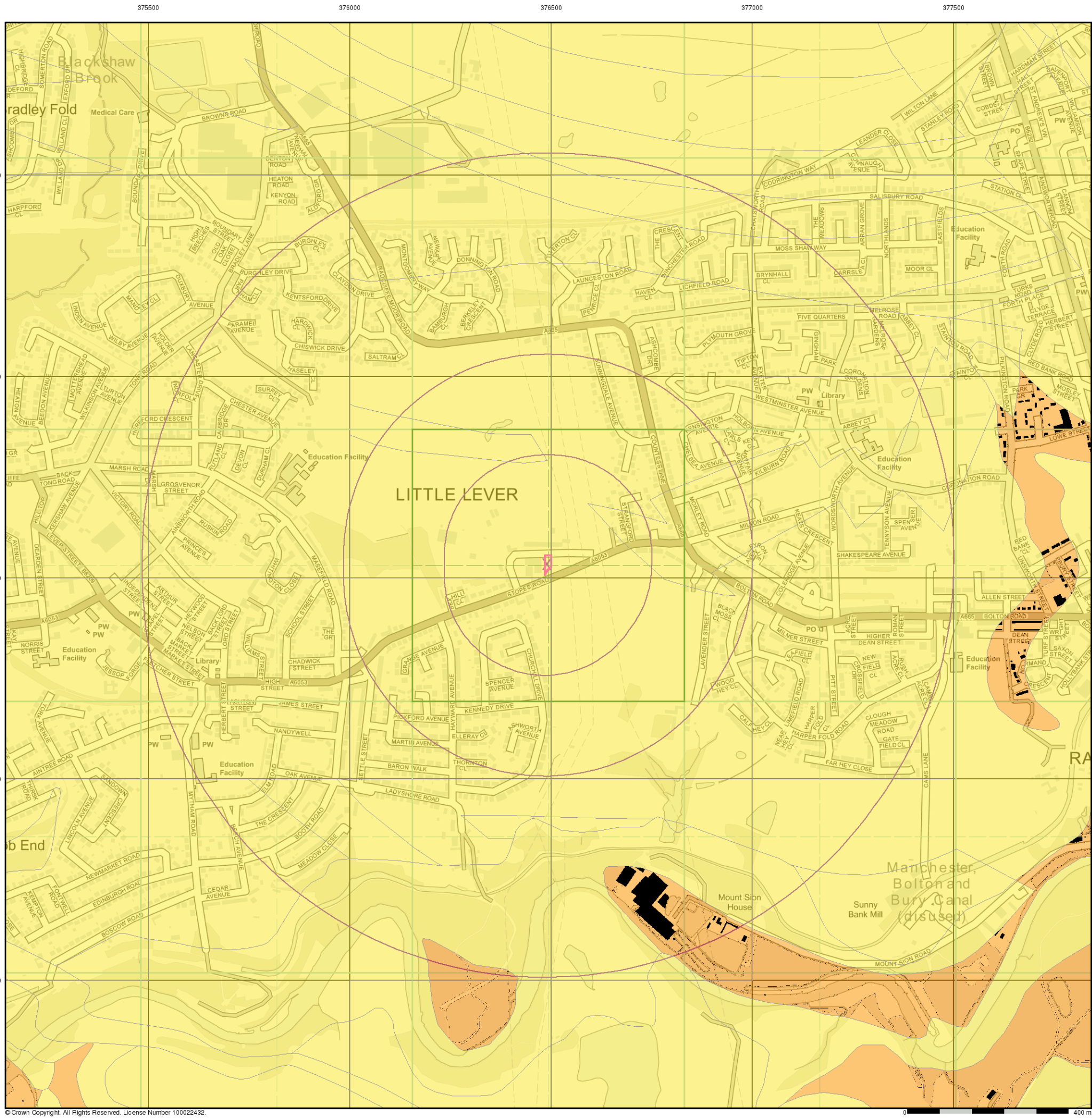
Order Details: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Site at 376490, 407540



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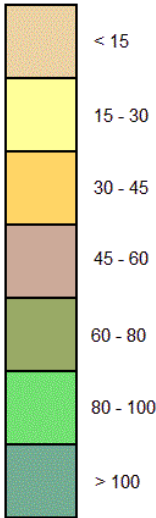


General

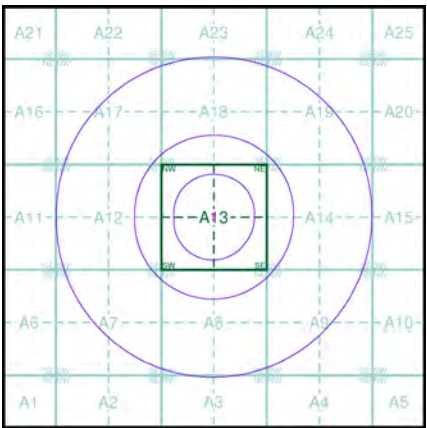
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 345341568_1_1
Customer Ref: LKC 24 1154
National Grid Reference: 376490, 407530
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Site at 376490, 407540



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Appendix C – Historical BGS Boreholes



British
Geological
Survey

Version 2.0.6.7

BGS ID: 18434 : BGS Reference: SD70NE57

British National Grid (27700) : 376510,407490

[Report an issue with this borehole](#)

<<

< Prev

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>>

1" 85SD 194 70 NE 25 57E
Section of Strata in the Township of Pilkington made by J. Grundy

& Sons, Mining Engineers, Radcliffe.

Map. Six-inch. 95 N.E. Lancs.

	Thickness.	Depth below Drift.
Drift deposit Thickness unknown		
Blue Metal.	7 - -	7 - -
Blue Shale.	16 1 6	23 1 6
Black Shale.	4 - -	27 1 6
Coal.	4	27 1 10
Fireclay.	2 - -	29 1 10
Blue Metal.	1 2 -	31 - 10
Grey Rock Band (The artesian well at works is supposed to be sunk in this) i.e. Nursery Mills B.H.	7 1 -	38 1 10

↑ From sinking at
 Whitefield Colliery.

Blue Metal.	1	-	-	39	1	10
Grey or Red Rock.	1	-	8	40	2	6
Red Rock.	26	-	-	66	2	6
Red Metal.	2	-	-	68	2	6
Grey Metal.	12	-	-	80	2	6
Rock.	2	-	-	82	2	6
Blue Metal.	2	-	-	84	2	6
Coal.			2	84	2	8
Rocky Warrant.	2	2	9	87	2	5
Grey Floors		2	3	88	1	8
Black Metal.		2	6	89	1	2
White Metal.	2	-	1	91	1	3
Grey Floors.		1	6	91	2	9
Black Metal.	2	2	-	94	1	9
Warrant.	1	-	-	95	1	9
Rocky Warrant.	1	-	-	96	1	9
Grey Metal.	4	-	-	100	1	9
Coal.		1	6	101	-	3
Warrant.	1	2	-	102	2	3

From sinking at Stand Lane Colliery
to end of Journal.

Appendix D – Zetica UXO Unexploded Bomb Risk Map

UNEXPLODED BOMB RISK MAP



SITE LOCATION

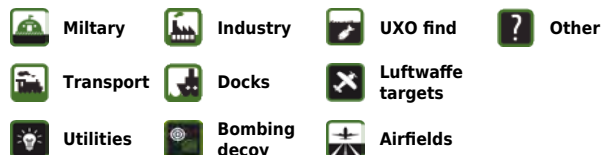
Location: BL3 1NP,
Map Centre: 376447,407515



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 uxo@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](tel:+44(0)1993886682) 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 E – 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 552¹⁷. 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 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 F - 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 CL:AIRE, October 2021, "Good Practice for Risk Assessment for Coal Mine Gas Emissions".

⁶ Department of the Environment, 1996, "Textile works and dye works", Industry Profile, ISBN 1 85112 307 5.

⁷ DEFRA & Environment Agency, March 2002, "Potential Contaminants for the Assessment of Land", R&D Publication CLR 8.

⁸ CL:AIRE, October 2021, "Good Practice for Risk Assessment for Coal Mine Gas Emissions".

⁹ Environment Agency, January 2009, "Updated technical background to the CLEA model", Science Report SC050021/SR3.

¹⁰ CIRIA, January 2001, "Contaminated land risk assessment. A guide to good practice", C552.

¹¹ Health & Safety Executive, 1991, "Protection of Workers and the General Public during the Development of Contaminated Land", HSG66.

¹² The British Standards Institution (BSI), December 2017, "Investigation of potentially contaminated sites. Code of practice - Code of practice", BS 10175:2011+A2:2017.

¹³ The British Standards Institution (BSI), May 2020, "Code of practice for ground investigations", BS 5930:2015+A1:2020.

¹⁴ CIRIA, December 2007, "Assessing risks posed by hazardous ground gases to buildings", C665.

¹⁵ CL:AIRE, November 2012, "A Pragmatic Approach to Ground Gas Risk Assessment", RB 17.

¹⁶ 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.

¹⁷ CIRIA, January 2001, "Contaminated land risk assessment. A guide to good practice", C552.

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