



Langley Lane, Middleton

Preliminary Risk Assessment

Job Number
LKC251127

Report Date
2nd April 2025

Client
Mr K Broome

DOCUMENT QUALITY ASSURANCE

Site Address	Langley Lane, Langley Lane Farm, Middleton, M24 5LJ
Report Title	Phase 1 Preliminary Risk Assessment
Job Number	LKC251127
Client	Mr K Broome

Revision	0	Date of Issue	02/04/2025
Document Ref:	LKC251127-A1-PRA-Langley Lane, Middleton R0		
Status	Final		
Written By	Eryka Hayes		
Approved By	Hannah Moss		

DISCLAIMER

This report has been prepared by LK Consult Ltd (LKC) who have exercised such professional skill, care and diligence as may reasonably be expected of a properly qualified and competent consultant, experienced in preparing reports of a similar scope.

However, to the extent that the report is based or relies upon information contained in records, reports or other materials provided to LKC, which have not been independently produced or verified, LKC gives no warranty, representation, or assurance as to the accuracy or completeness of such information.

This report is prepared solely for the benefit of the client named above. It may not be relied upon by or submitted to a third party for their reliance for the purposes of valuation, mortgage, insurance, and regulatory approval until all invoices have been settled in full.

Those using this information in subsequent assessments or evaluations do so at their own risk.

TABLE OF CONTENTS

1.	Introduction.....	1
2.	Historical Review	2
3.	Environmental Setting	3
4.	Preliminary Conceptual Model	6
4.1.	Introduction	6
4.2.	Potential Contaminants	6
4.3.	Potential Receptors	7
4.4.	Potential Pathways.....	7
4.5.	Preliminary Contamination Conceptual Model	7
5.	Preliminary Geotechnical Risk Assessment.....	11
6.	Summary Conclusions and Recommendations	12
6.1.	Summary Conclusions.....	12
6.2.	Recommendations	13

Figures

Figure 1 – Site Location and Boundary Plan

Figure 2 – Proposed Development Plan

Appendices

Appendix A – Historical Maps

Appendix B – Envirocheck Report

Appendix C – Zetica UXO Unexploded Bomb Risk Map

Appendix D – Risk Evaluation

Appendix E – References

1. Introduction

LK Consult Ltd (LKC) has been commissioned to carry out a Phase 1 Preliminary Risk Assessment (PRA) for Langley Lane, Middleton.

In accordance with current guidance (including LCRM¹ and the National Planning Policy Framework (NPPF)²), the PRA will include site history, geology, hydrogeology, hydrology, mineral search, and a landfill search. Information gathered from the desk study will be used to develop a contamination conceptual model for 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	To the north of Langley Lane, Middleton, M24 5LJ. Centred at National Grid Reference 385930E 407700N.
Area	4,200m ² .
Topography	123-126 metres above ordnance datum (AOD). Site is approximately level.
Current Site Use	Yard associated with Langley Lane Farm and fields.
Proposed Development	1no. residential dwelling with garden and soft landscaping.

Table 1-1: Summary of site details.

2. Historical Review

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

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

Site Features	Location on Site	Dates Present		Comments
		From	To	
Culvert / Watercourse	N	1848	2025	Only labelled as a culvert on 1848 mapping. Annotated as flowing towards west/southwest.
Vacant Field	Whole	1848	2025	Possible footpath shown in SE of site, running in an approximately NW-SE direction between 1893-1984 mapping.
Track	Centre	1848	2025	Still present on 2025 mapping.
Possible Pit / Excavation	Centre	1955	1955	Small feature. Only present on 1955 mapping.

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	
Well	10	SE	1848	1923	No longer present after 1923 mapping.
3no. Old Sand Pits	190, 240 & 200	SW & W	1848	1984	Pit 200m W only present on 1848 mapping. 1no. becomes a pond in 1957. Both pits no longer present after 1984 mapping.
Old Sand Pit	80	SE	1893	1938	No longer present after 1938 mapping.
Farm	Adj	SE & SW	1909	2025	Footprint of buildings present from 1893 mapping however not labelled as 'Langley Lane Farm' until 1909 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.

3. Environmental Setting

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

Categories ^(data sources)		Details
Geology ^{1, 2}	Artificial Ground	No BGS recorded artificial ground.
	Superficial Deposits	Till, Devensian (Diamicton).
	Bedrock	Pennine Lower Coal Measures Formation (mudstone, siltstone and sandstone). 1 fault in the far north-east of the site, striking north-west to south-east with a downthrow to the north-east.
	BGS Logs (100m)	None.
Hydro-geology ¹	Aquifer Designation	Superficial Bedrock
	Source Protection Zone (SPZ)	Secondary Undifferentiated Aquifer. Secondary A Aquifer.
	Groundwater Abstractions (100m)	Site not within an SPZ.
		None.
Hydrology ¹	Surface Watercourses (100m)	Culverted River 0m N, flowing W.
	Flooding Risk ^{1, 3}	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. Not within a Development High Risk Area.
	Surface Mineral Extractions (250m)	67m SE – Top of Hebens Brick Field, Commodity: Common Clay and Shale, Status: Ceased. 217m W – Langley Hall Sand Pit, Commodity: Sand, Status: Ceased.
	Non-Coal Mining Area	No hazard.
Ground Stability ¹	Collapsible Ground	Very low hazard.
	Compressible Ground	No hazard.
	Ground Dissolution	No hazard.
	Landslide	Very low hazard.
	Running Sand	Very low hazard.
	Shrinking / Swelling Clay	Very low hazard.
Landfill Sites (250m) ¹	Known / Registered	None.
	Potentially Infilled Land (non-water and water), based on Envirocheck Report	3no. features: 98m SE, 203m W and 209m SW.
	Potentially Infilled Sites, based on LKC historical review	6no. features: See Table 2-1 and Table 2-2.

Table 3-1: Summary of the environmental setting.

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

Data Sources:

1 Envirocheck Report (Appendix A & B).

2 BGS Sheet 85 1:50,000

3 <https://flood-map-for-planning.service.gov.uk/location>

Categories ^(data sources)		Details
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		Areas of Adopted Green Belt 0m W.
Contemporary Trade Directory (50m) ¹		None.
Fuel Station Entries (50m) ¹		None.
Unexploded Ordnance Risk (UXO) – Zetica Risk Map	Zetica Risk Map ⁴	Bomb Risk: Low. Strategic Targets: Identified within 100m (see below): Details: Industry

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).

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

4. Current Site Use Review

LKC has reviewed satellite imagery and street view to gain information about the current site use, and the client has also provided LKC with current photographs for review.

Relevant features identified on site are summarised below:

- Concrete track leading from Langley Lane through agricultural buildings (along site perimeters along southwest and southeast).
- Field in the west of site with trees in the northwest.
- North of site appears to have stockpiles of soil and aggregates stored on top of a concrete slab. Excavators noted on site.
- Street view shows a gated entrance.
- Site appears relatively level with surrounding area.

The surrounding area comprises residential properties to the east and south, and fields to the north and west.

Site photographs are provided in Table 4-1.

	
Photograph 1: View of site from N.	Photograph 2: View of site from N.
	
Photograph 3: View of site facing SW.	

Table 4-1: Site photographs.

5. Preliminary Conceptual Model

5.1. Introduction

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

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

5.2. Potential Contaminants

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

Potential Source	Contaminants
On site	
Shallow made ground below some or all of site (general made ground, site levelling, track, footpath)	Assuming predominantly reworked natural soils with possible demolition rubble, ash and clinker: asbestos, heavy metals, sulphates, PAHs ⁴ . Not expected to be a significant source of gas given anticipated depth and nature of made ground.
Possible localised deeper made ground in central eastern portion of site (former possible pit / excavation)	Demolition rubble, ash, and clinker: asbestos, heavy metals, sulphates, PAHs ⁵ . Other fill material sources: unknown organic / inorganic compounds. If organic / putrescible material: hazardous gas (principally carbon dioxide and methane). Given relatively limited size of feature and age (1950s), significant infilling or gas risk not expected.
Farmyard	Use and maintenance of machinery: fuels, oils. Spillages and leakages expected to be minimal and significant downward migration to be limited by the hardstanding site surface. Storage / use of chemicals including pesticides and herbicides. Not expected given no buildings recorded on site, track only on site. Old buildings on site perimeter associated with farmyard: localised asbestos containing material (ACM) to south-west and south-eastern site boundaries.
Surrounding Area	
Surrounding area (former well)	Not considered to be a significant source of contamination or potentially source of gas given nature, size and age of feature.
Offsite potentially infilled features and landfills within 250m	Given size, distance and age of features, there is not considered to be a source of hazardous gas (principally carbon dioxide and methane).
Underlying Geology	
Pennine Lower Coal Measures	Ground Gas (principally carbon dioxide and methane) ⁶ . Deep coal workings anticipated below the site (greater than 100m depth). 1no. fault in the north-east of site is a potential pathway for ground gas. Given depth to possible workings and overlying superficial clay deposits, no significant risk anticipated.
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. No significant contamination sources identified.

Table 5-1: Potential contamination sources.

5.3. Potential Receptors

Potential receptors are detailed in Table 5-2.

Receptors	
Human health	Future site users (including residents, visitors, and site workers).
Controlled waters	Culverted River Om north. Secondary A Aquifer. Secondary Undifferentiated Aquifer.
Buildings.	
Potable water pipes.	

Table 5-2: Potential receptors.

5.4. Potential Pathways

Potential pathways are detailed in Table 5-3.

Pathways		
Soil	Human health ⁷ (residential land use: house with private garden)	Ingestion of soil. Ingestion of soil-derived indoor dust. Ingestion of contaminated home-grown produce. Ingestion of soil attached to home-grown produce. Dermal contact with soil. Dermal contact with soil-derived indoor dust. Inhalation of soil-derived outdoor dust. Inhalation of soil-derived indoor dust. Inhalation of vapours outside. Inhalation of vapours inside.
Soil	Windblown dust and fibres to adjacent receptors.	
Soil	Direct contact with receptors (services).	
Surface water	Surface run-off over impermeable surface.	
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 (sandstone, siltstone and mudstone) likely to be variably permeable. Preferential pathways: fault on site, culvert, services.	
Gas	Migration into buildings (e.g., via services) and accumulation of gases in confined spaces (potentially causing explosion if methane is present).	

Table 5-3: Potential pathways.

5.5. Preliminary Contamination Conceptual Model

The Preliminary Contamination Conceptual Model is illustrated in Table 5-4.

Generic potential pollutant linkages are described along with an assessment of the risk based upon guidance on probabilities and consequences outlined in CIRIA C552⁸.

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 guidance⁹) 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	Assessment and Recommendations
1	Asbestos, PAHs, heavy metals, sulphates (made ground – possibly localised deeper made ground in east, shallow across remainder of site)	Dermal contact. Inhalation of soil, fibres, and dust. Ingestion of soils, dust, home-grown produce, soil attached to home-grown produce. Windblown dust.	Future site users.	Likely	Medium	Likely (localised)	Possible deeper made ground in former small pit / excavation in eastern part of site. Potential pathway to receptors in gardens / soft landscaping. Recommendation: Intrusive investigation required to include confirmatory soil sampling.
				Low Likelihood		Moderate / Low	Limited development across most of the site historically. Some contamination considered possible. Potential pathway to receptors in gardens / soft landscaping. Recommendation: Intrusive investigation required to include confirmatory soil sampling.
	Petroleum hydrocarbons, fuel, oil (farmyard)			Low Likelihood		Moderate / Low (localised)	Limited contamination considered possible in the centre of the site where the farmyard has been historically. No evidence of tanks on mapping. Recommendations: Investigation required, testing subject to ground conditions.
2	PAHs (made ground)	Inhalation of vapours. Migration via permeable strata and preferential pathways.	Future site users.	Unlikely	Medium	Low	Significant PAH contamination not expected. Coal / ash derived naphthalene is unlikely to generate significant vapours. Recommendation: Intrusive investigation required to include PID testing and confirmatory soil sampling as part of PL1.
	Petroleum hydrocarbons, fuel, oil (farmyard)			Low Likelihood		Moderate / Low (localised)	Limited contamination considered possible in the centre of the site where the farmyard has been historically. No evidence of tanks on mapping. Recommendations: Investigation required, testing subject to ground conditions and PID testing.
3	Hazardous / ground gas: methane, carbon dioxide (Pennine Lower Coal Measures, made ground)	Migration via permeable strata and preferential pathways. Inhalation of gas. Explosion in confined spaces.	Future site users. Buildings.	Unlikely	Severe	Moderate / Low	Unlikely as no significant source of ground or hazardous gas anticipated. Recommendations: Gas monitoring required if significant thickness of putrescible material encountered. / Precautionary gas protection measures.

Table 5-4: Preliminary Contamination Conceptual Model.

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

PL	Contaminants of Concern (source)	Pathway	Receptor	Probability	Consequence	Risk	Assessment and Recommendations
4	PAHs, metals, petroleum hydrocarbons, fuel, oil (made ground, farmyard)	Surface run-off. Migration via permeable strata and preferential pathways. Perched waters migration.	Surface water / Culvert	Low Likelihood	Medium	Moderate / Low	No significant sources of mobile contamination expected. Anticipated underlying cohesive superficial deposits will limit migration of any mobile contaminants. No significantly sensitive receptor. Recommendations: No water sampling or leaching tests required unless evidence of significant potentially mobile contamination is identified in the soil.
5	PAHs such as naphthalene (made ground)	Permeation of pipes. Ingestion of tainted water supply.	Future site users. Water pipes.	Likely	Medium	Moderate (localised)	Localised deeper made ground considered possible in east of site (former pit / excavation). Recommendations: Sampling and analysis of soils at anticipated pipeline depths (c. 0.75-1.35mbgl). Water pipe assessment required.
	PAHs, Fuel, oil (made ground, farmyard)			Low Likelihood		Moderate / Low	Low likelihood considering limited made ground expected across most of site. Hardstanding track in farmyard likely to limit downward migration of contaminants. No tanks anticipated. Recommendations: Sampling and analysis of soils if made ground / impacted natural ground at anticipate pipeline depth (c. 0.75-1.35mbgl). Water pipe assessment required.

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 not within a Development High Risk Area. No further assessment required.
Slope Stability	Site is relatively flat. No further assessment required.
Envirocheck Ground Stability Hazards	No to very low hazard identified. No further action required.
Made Ground	Unknown depth and constituent of made ground across the site. Initial information indicates relatively shallow made ground with possible very localised area of deeper made ground in the east.
Superficial	Unknown strength of soils for foundation design. None recorded.
Bedrock	Unknown depth to bedrock.
Groundwater	Unknown depth and variability of groundwater.
Plasticity	Plasticity of clay deposits should be confirmed, particularly where trees are present or proposed, to identify the shrink / swell risk.
Sulphate	Unknown sulphate content of the made ground and natural.
Road / Pavement Design	Unknown CBR values for footpath and road design.

Table 6-1: Summary of geotechnical constraints.

7. Summary Conclusions and Recommendations

7.1. Summary Conclusions

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

Current Site Use & Pertinent Features	Langley Farm in the south of site and soft landscaping in the north and west.
Proposed Development	Residential houses with front and rear gardens. Associated infrastructure.
Main Historical Features	Onsite: vacant field, track, farmyard, track, footpath, culverted river, possible former pit / excavation. Surrounding Area: well, 3no. old sand pits, farm.
Geology / Hydrogeology	Artificial: No BGS recorded artificial. Superficial: Till, Devensian (Diamicton). Secondary Undifferentiated Aquifer. Bedrock: Pennine Lower Coal Measures Formation. Secondary A Aquifer.
Landfills / Infilled ground	No recorded landfills. Potentially infilled ground identified.

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

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

Pollutant Linkage	Contaminants	Risk
PL1: Contaminants posing a risk to receptors via dermal contact, ingestion and inhalation (of soil, dust, fibres and home-grown produce).	Asbestos, PAHs, heavy metals, sulphates (made ground)	Moderate (Localised)
	Fuel, oil (farmyard machinery)	Moderate / Low (Localised)
PL2: Volatile contaminants posing a risk to receptors via the inhalation of vapours and migration via permeable strata and preferential pathways.	PAHs (made ground)	Low
	Fuel, oil, pesticides (farmyard machinery)	Moderate / Low (Localised)
PL3: Gas posing a risk to buildings and receptors via the migration of gas into building causing explosion and asphyxiation.	Hazardous / ground gas: methane, carbon dioxide (Pennine Lower Coal Measures)	Moderate / Low
PL4: Mobile contamination posing a risk to controlled waters via the migration through permeable strata and preferential pathways.	PAHs, metals, petroleum hydrocarbons, fuel, oil (made ground, farmyard machinery)	Moderate / Low
PL5: Organic contaminants posing a risk to receptors via permeation of pipes and ingestion of tainted water supply.	PAHs (made ground)	Moderate (Localised)
	PAHs, metals, petroleum hydrocarbons, fuel, oil (made ground, farmyard machinery)	Moderate / Low

Table 7-2: Summary risk table.

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

Coal Mining	No further assessment required.
Slope Stability	No further assessment required.
Made Ground	Unknown depth and constituent of made ground across the site.
Superficial	Unknown strength of soils for foundation design.
Bedrock	Unknown depth to bedrock.
Groundwater	Unknown depth and variability of groundwater.
Plasticity	Plasticity of clay deposits should be confirmed.
Sulphate	Unknown sulphate content of the made ground and natural.
Road / Pavement Design	Unknown CBR values for footpath and road design should be calculated.

Table 7-3: Summary of geotechnical constraints.

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

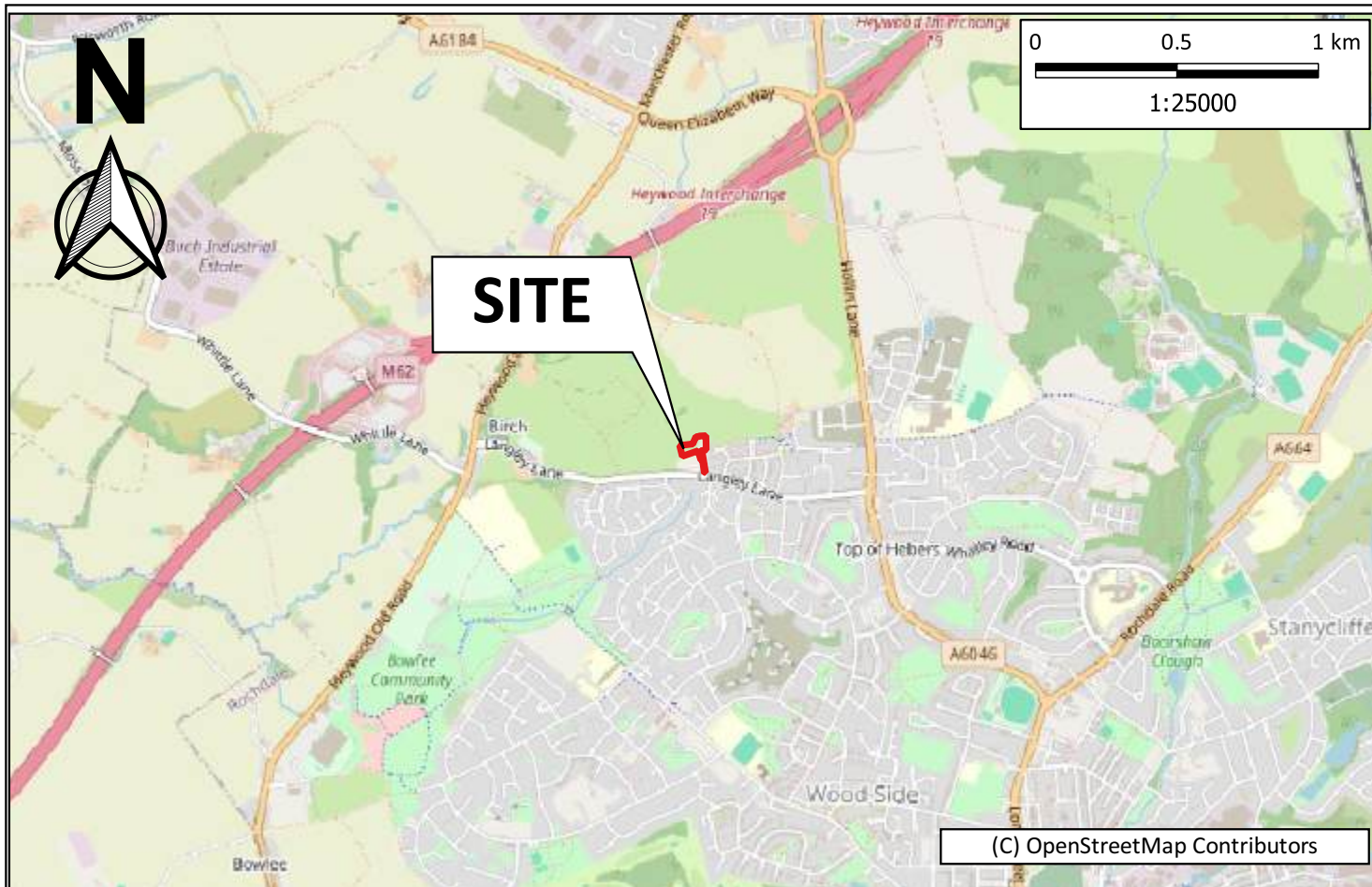
7.2. Recommendations

Recommendations are provided in Table 7-4.

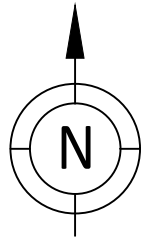
Contamination Status	There is sufficient information on the potential contaminative status of the site to allow conditional approval of a planning application, based on the proposed end use detailed in the PRA.
Further Assessment Recommendations	Phase 2 intrusive investigation required. Phase 2 investigation to be carried out in line with current guidance, including BS10175 ¹⁰ , BS5930 ¹¹ CIRIA C665 ¹² , RB17 ¹³ and BS8485 ¹⁴ . 'Exploratory investigation': 1 sample per 25-50m square centres. Or 'detailed investigation': 1 sample per 10-25m square centres. Plus, targeted investigation locations in areas of concern (contamination and geotechnical). To be agreed with the local authority.
Local Authority Approval	Conditional planning approval is likely to require an agreed detailed scope of work.
Type of Investigation Work	Boreholes and / or trial pits.
PL 1, 2, 5	Intrusive investigation work recommended to confirm ground conditions across the site. Testing of contaminants of concern based on preliminary conceptual model and field observations (PID tests and visual / olfactory evidence).
PL 3	Intrusive investigation to confirm ground conditions. If significant gas source and pathway identified, gas monitoring required.
PL 4	Groundwater and surface water sampling, subject to 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 7-4: Recommendations.

Figures



Client: Mr K Broome				Title: Site Location & Boundary Plan		 LK CONSULT		
Site: Langley Lane, Middleton								
Job No.: LKC251127		Drawn By: EH	Checked By: HM	Drawn: Mar 2025	Scale (see scale bar): 1:25,000 & 1:1500 @ A4			Figure: 1



KEY

 Site Boundary

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



LK CONSULT

Client:		Mr K Broome	
Site:		Langley Lane, Middleton	
Title:		Proposed Development Plan	
Job No.:	LKC251127	Scale (See Scale Bar):	See Scale Bar
Drawn By:	AC	Checked By:	HM
		Drawn:	Mar 2025
		Figure:	2
		Revision:	

Appendix A – Historical Maps

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

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

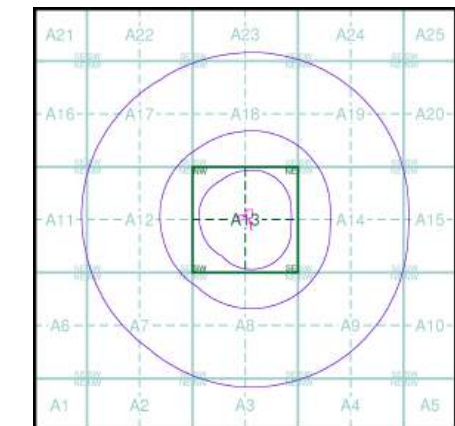


LK CONSULT

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848 - 1851	3
Lancashire And Furness	1:10,560	1894	4
Lancashire And Furness	1:10,560	1910	5
Lancashire And Furness	1:10,560	1923 - 1932	6
Lancashire And Furness	1:10,560	1932	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1955 - 1956	9
Ordnance Survey Plan	1:10,000	1965	10
Ordnance Survey Plan	1:10,000	1974 - 1977	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1983 - 1984	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: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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

Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Fireproof Building

Prominent Fireproof Building

Non-fireproof Building

Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys

Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale

Hydroelectric Power Station

Radio Station, drawn to scale

Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry

Open-pit Salt Mine

Pit

Oil Deposit or Well

Oil Seepage

Tailings Pile

Fuel Storage Tanks

Natural Gas Tank

Bench Mark

Drill Hole

Burial Mound

Triangulation Point on Burial Mound

Single-track Railroad

Double-track Railroad and Station Building

Coniferous Forest

Deciduous Forest

Mixed Forest

Lawns

Citrus Orchard

Wet Ground

Scattered Vegetation

243.8 Values for prominent elevations
186.0 Numbers for spot elevations, depth soundings, contour lines, etc.
0.2 Velocity of the current, width of river bed, depth of river
180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Partly Demolished Buildings

Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant

Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building

Prominent Industrial Building

Individual Dwelling, Fireproof

Ruins of an Individual Dwelling

Factory or Mill Chimney

Factory or Mill with Chimney

Factory or Mill without Chimney

Mine or Open Pit Mine

Operating Shaft or Mine

Non-Operating Shaft or Mine

Salt Mine

Tailings Pile

Pit

Stone Quarry

Gas Pump or Service Station

Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick

Small Hydroelectric Power Station

Power Station

Transformer Station

Cemetery

Burial Mound (height in metres)

Triangulation Point on Burial Mound

Triangulation Point

Bench Mark

Bench Mark (monumented)

Telegraph Office

Telephone Station

Radio Station

Radio Tower

Airfield or Seaplane Base

Landing Strip

Cut, Fill, Km Post, Plantings

Telegraph/Telephone Lines

Main Highway

Highway under Construction

Improved Dirt Road (former truck road)

Small Bridge, Pipe (Culvert), Tunnel

Double-track Railroad with First Class Station

Dismantled Railroad

Railroad Under Construction

Shore Embankment

River or Ditch with Embankment

Water Gauge

Water Level Mark

Well

Water Reservoir or Rain Water Pit

Spring

Isobath with value

Heavy (Index) Contour Line

Contour Line and Value

Half Contour Line

Spot Elevation Value

Coniferous

Deciduous

Mixed

Scrub

Key to Numbers on Mapping

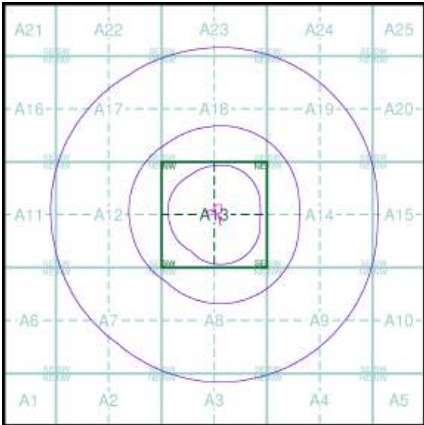


LK CONSULT

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848 - 1851	3
Lancashire And Furness	1:10,560	1894	4
Lancashire And Furness	1:10,560	1910	5
Lancashire And Furness	1:10,560	1923 - 1932	6
Lancashire And Furness	1:10,560	1932	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1955 - 1956	9
Ordnance Survey Plan	1:10,000	1965	10
Ordnance Survey Plan	1:10,000	1974 - 1977	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1983 - 1984	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

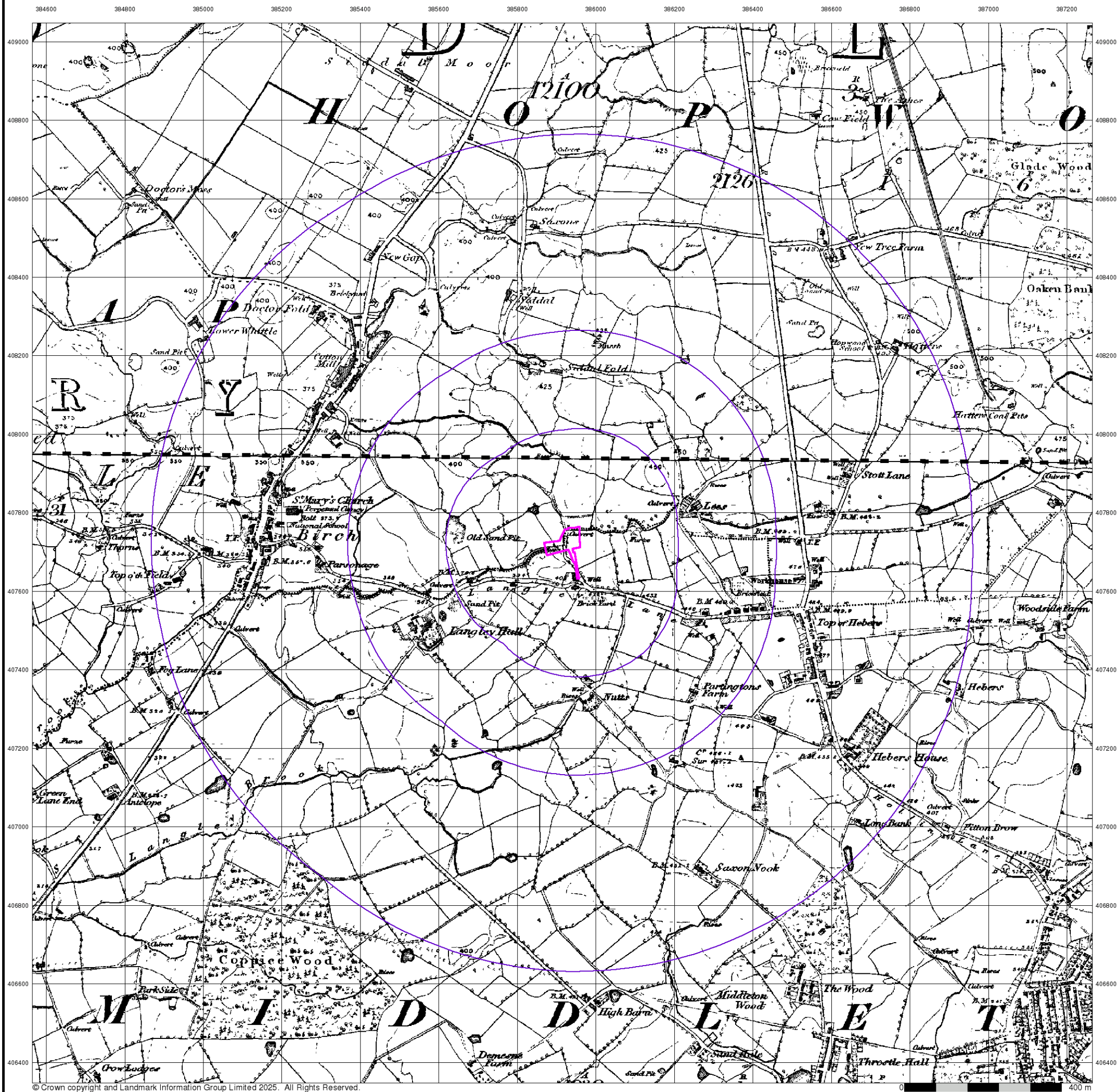
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



LK CONSULT

Lancashire And Furness

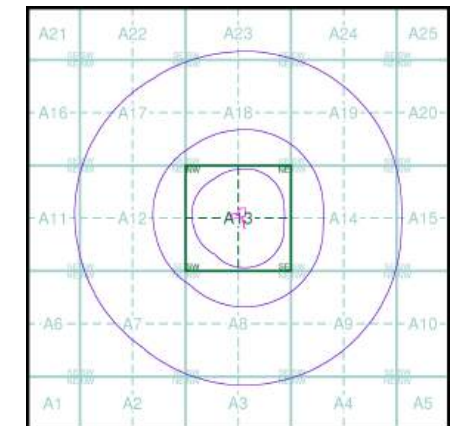
Published 1848 - 1851
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

08800	1851	1:10,560
09600	1848	1:10,560

Historical Map - Slice A



Order Details

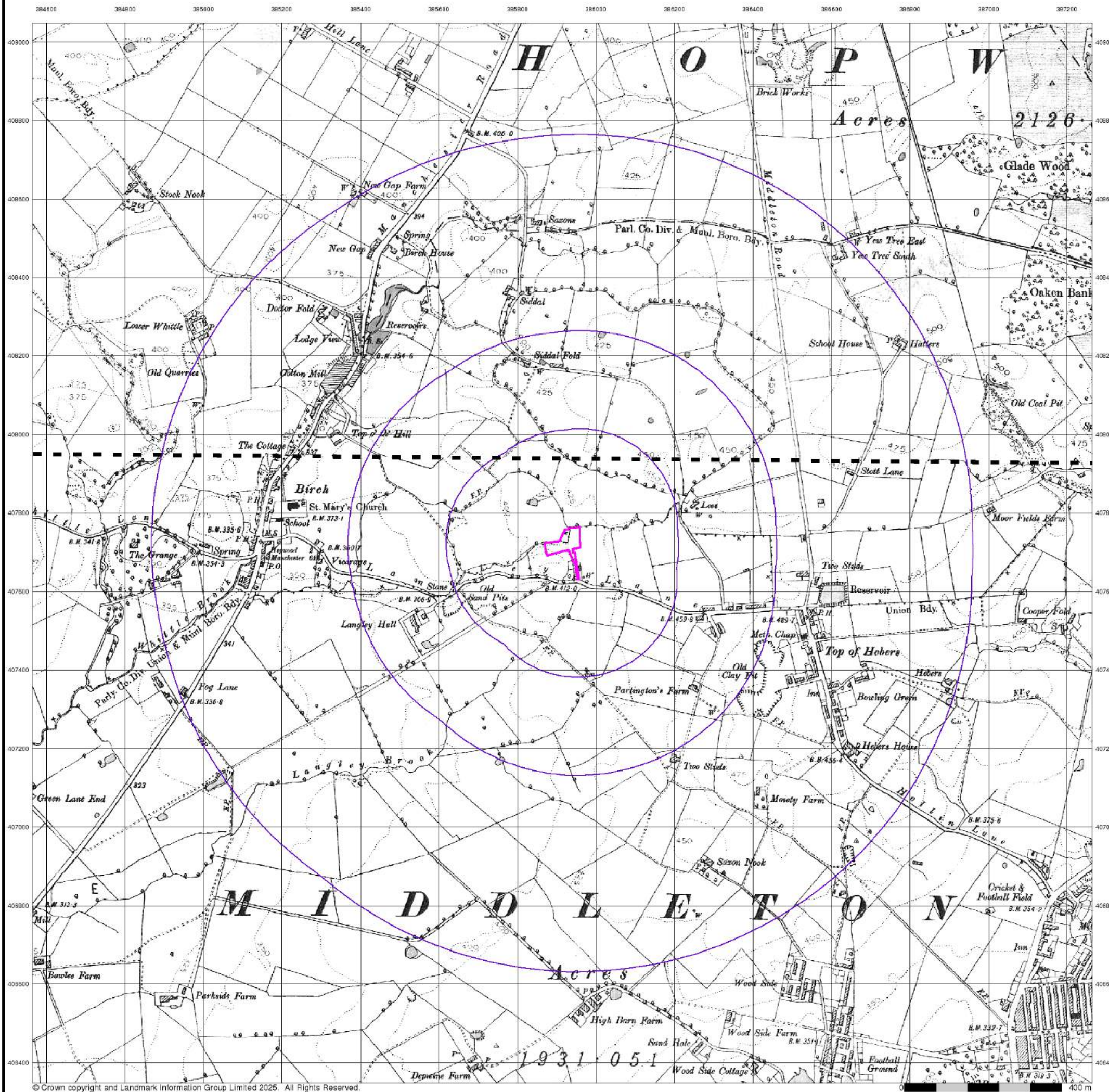
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



LK CONSULT

Lancashire And Furness

Published 1894

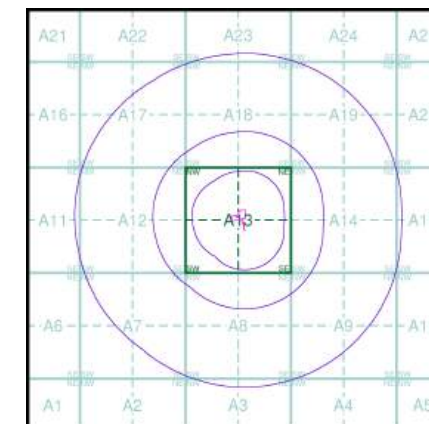
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

088SE
1894
1:10,560
096NE
1894
1:10,560

Historical Map - Slice A



Order Details

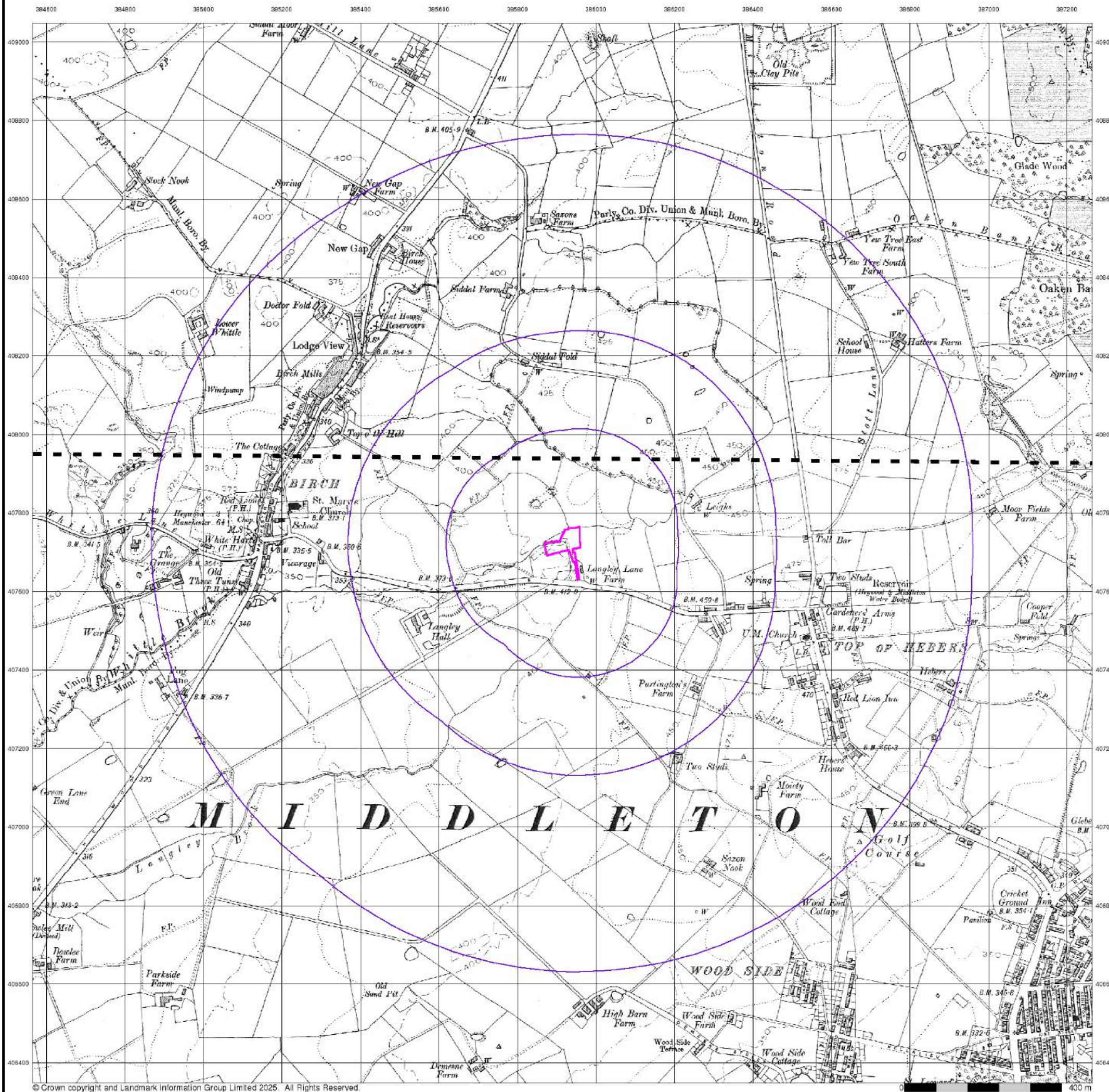
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



LK CONSULT

Lancashire And Furness

Published 1910

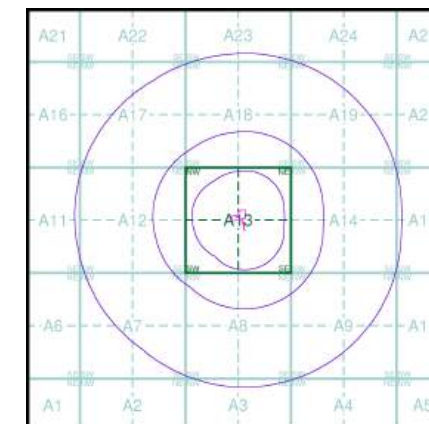
Source map scale - 1:10,560

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)

088SE
1910
1:10,560
096NE
1910
1:10,560

Historical Map - Slice A



Order Details

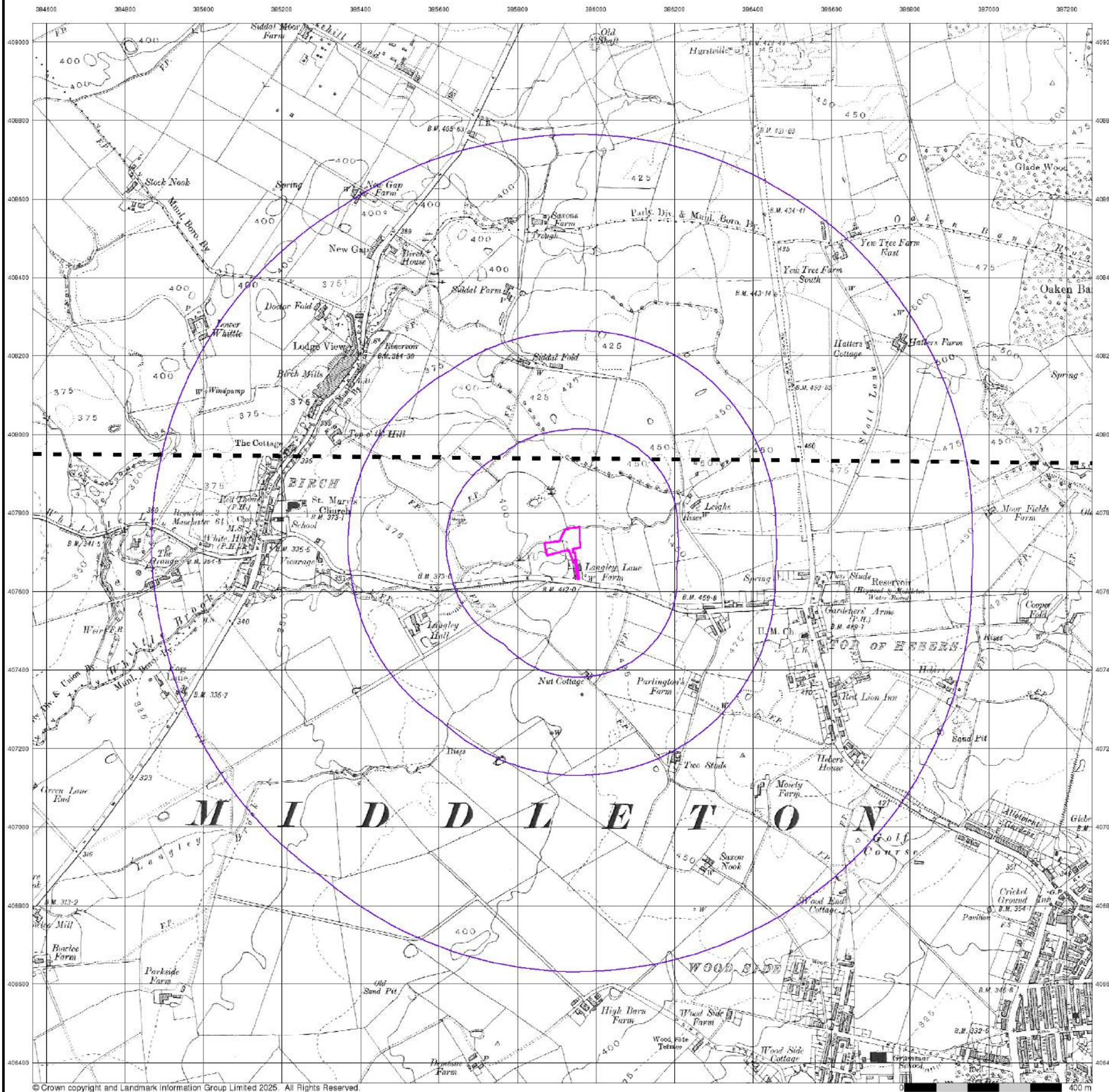
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



LK CONSULT

Lancashire And Furness

Published 1923 - 1932

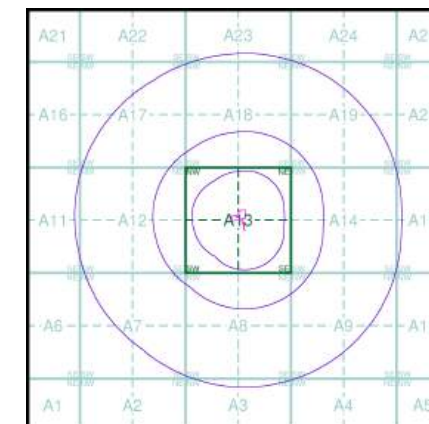
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

088SE
1932
1:10,560
096NE
1923
1:10,560

Historical Map - Slice A



Order Details

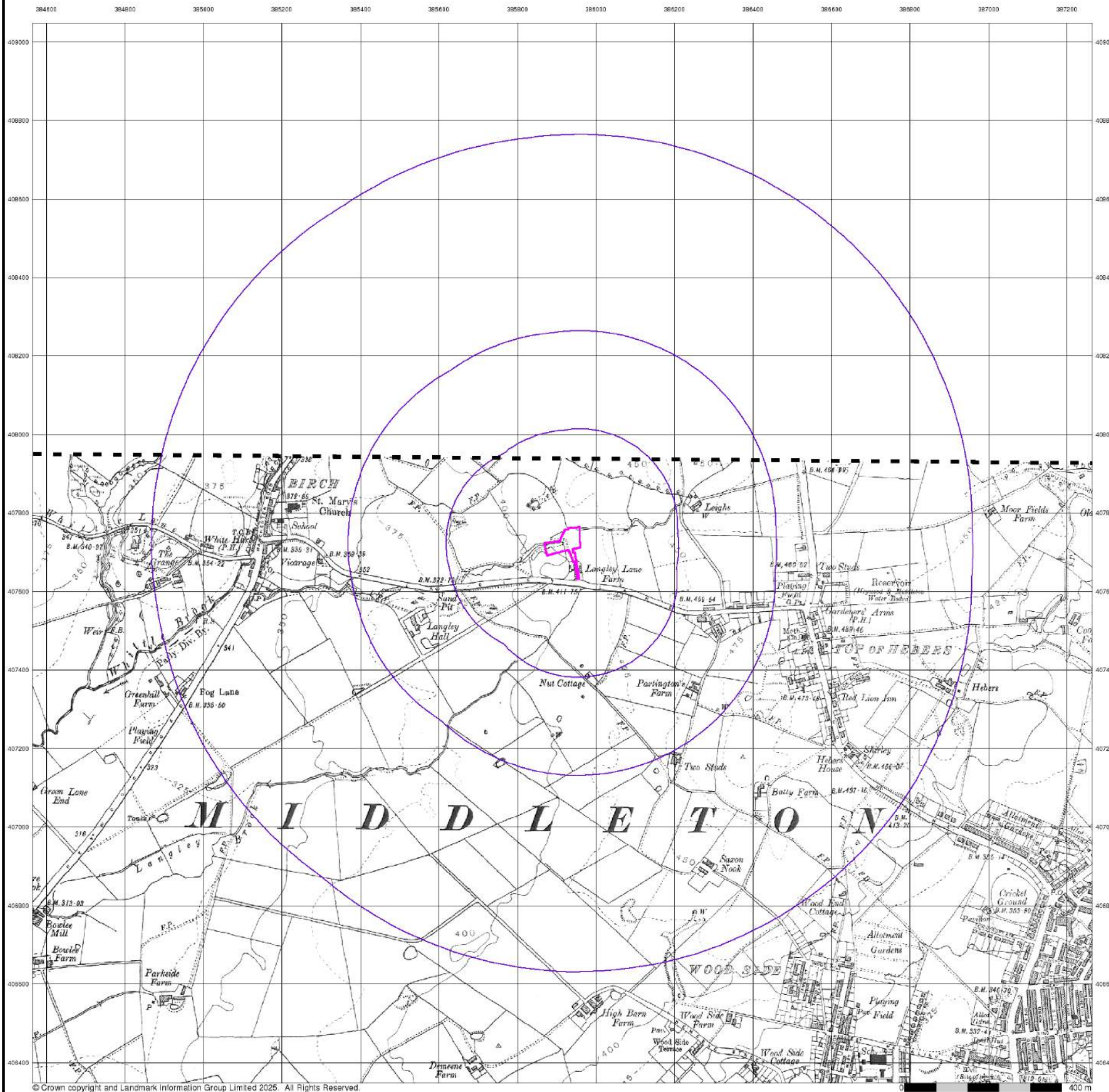
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

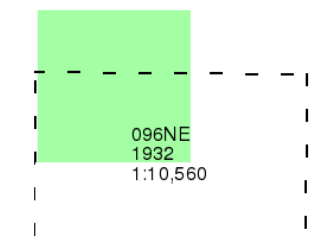
Landmark
INFORMATION GROUP

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

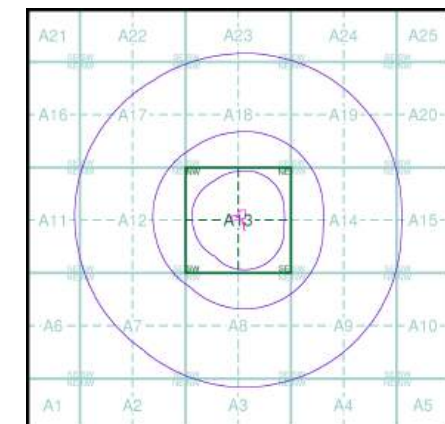


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)



Historical Map - Slice A

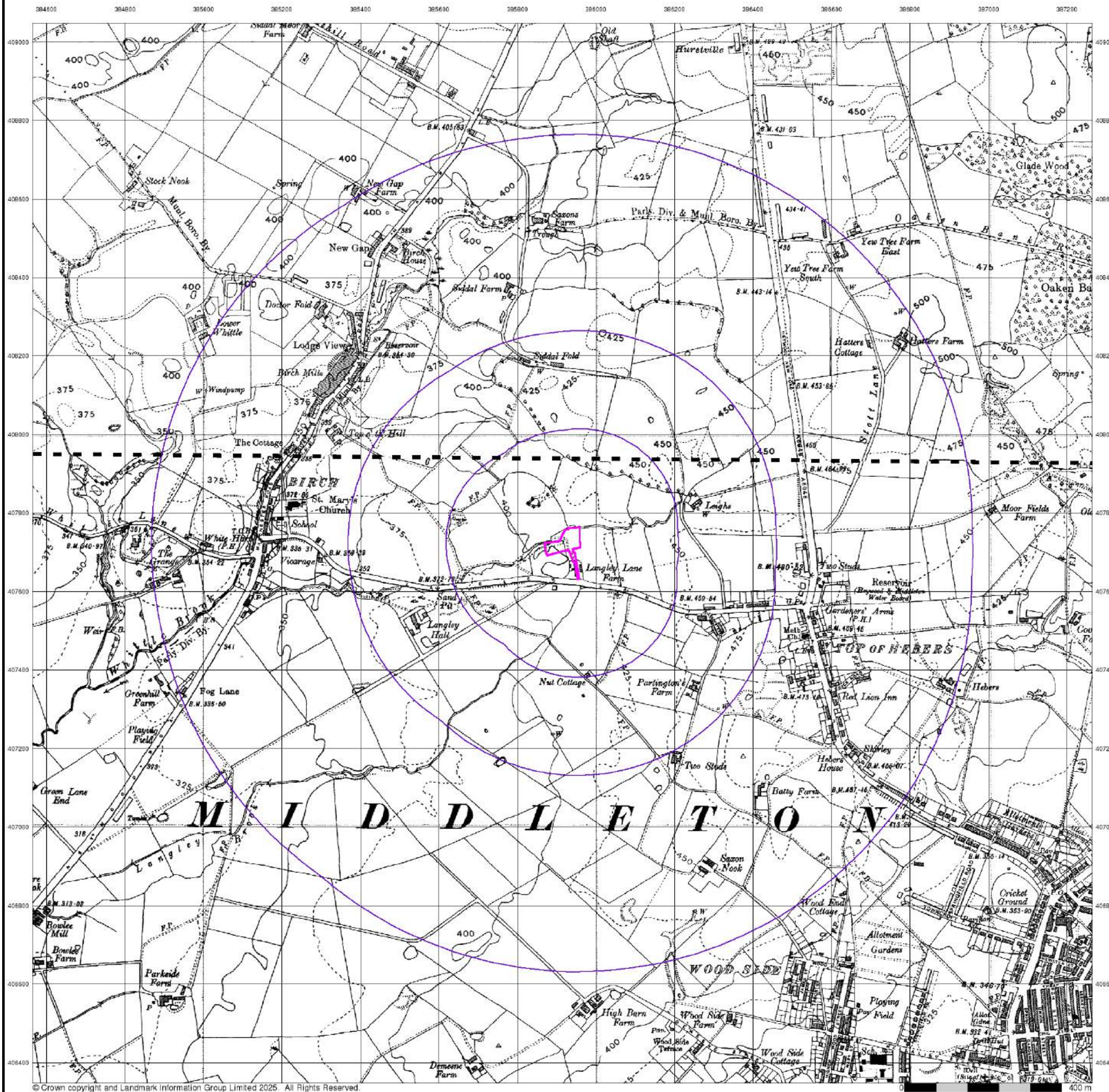


Order Details

Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.



LK CONSULT

Lancashire And Furness

Published 1938

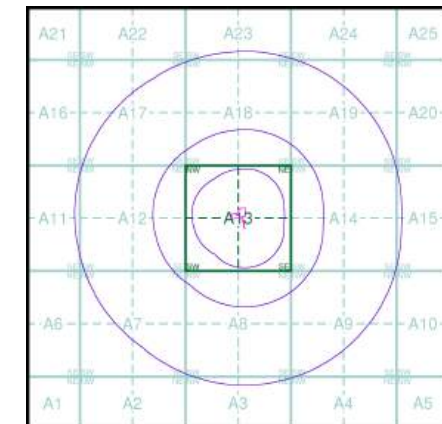
Source map scale - 1:10,560

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)

088SE
1938
1:10,560
096NE
1938
1:10,560

Historical Map - Slice A



Order Details

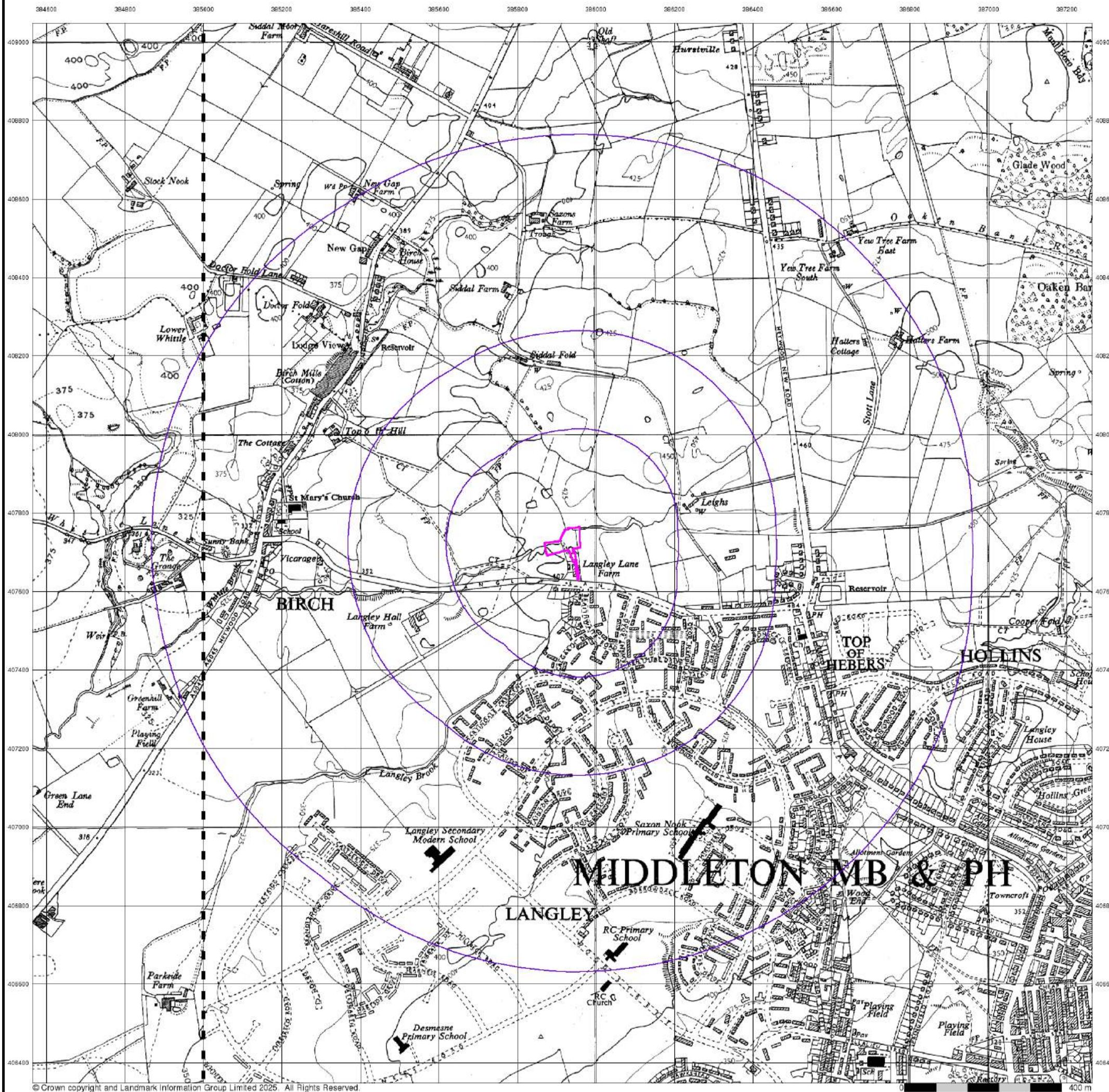
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



LK CONSULT

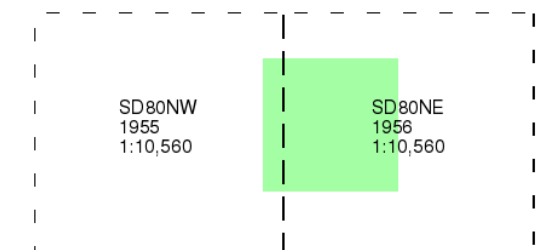
Ordnance Survey Plan

Published 1955 - 1956

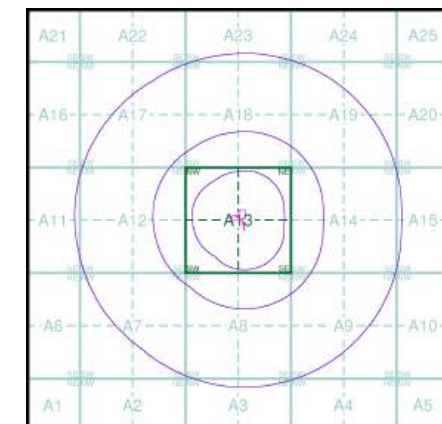
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

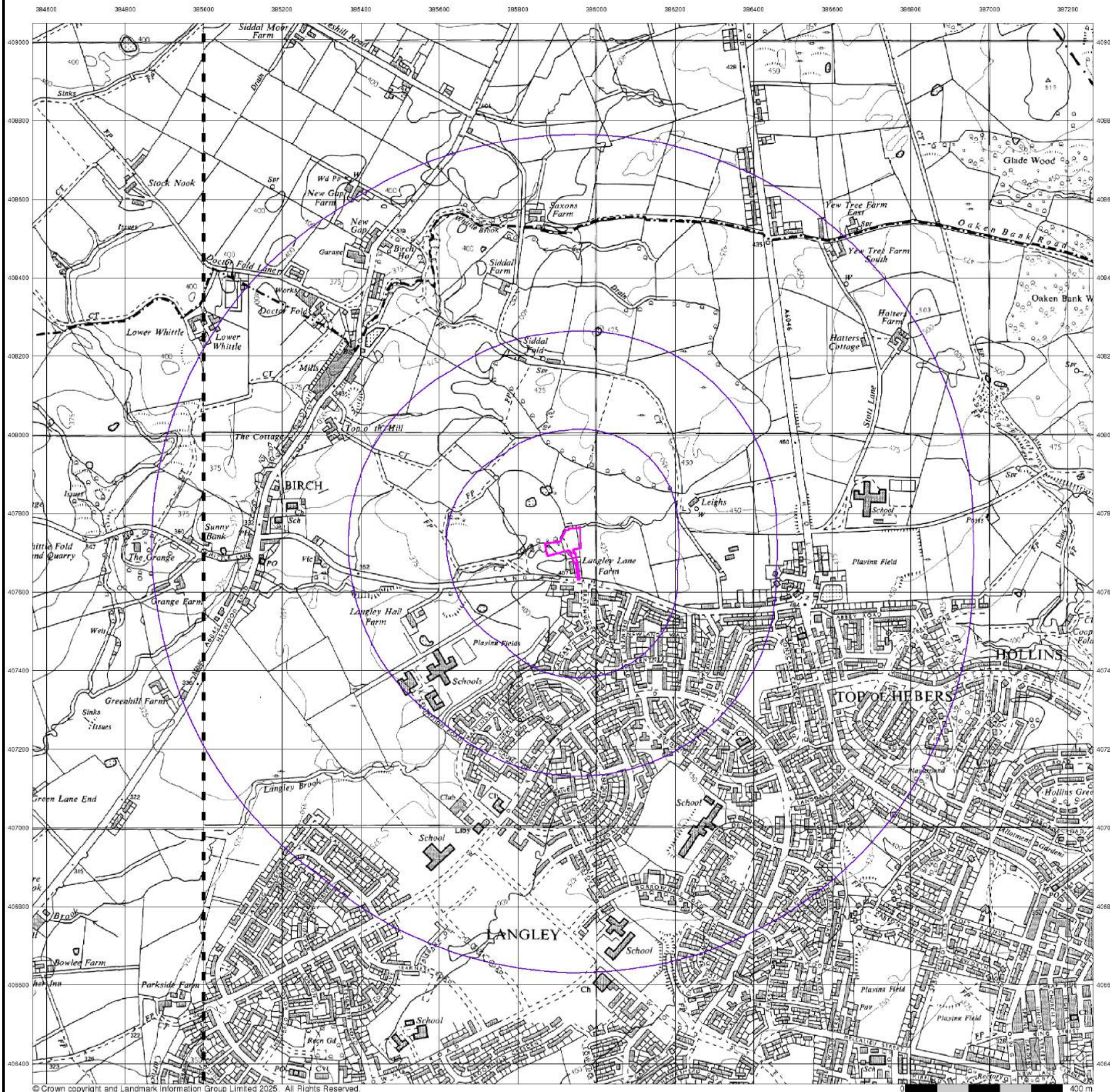
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



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



LK CONSULT

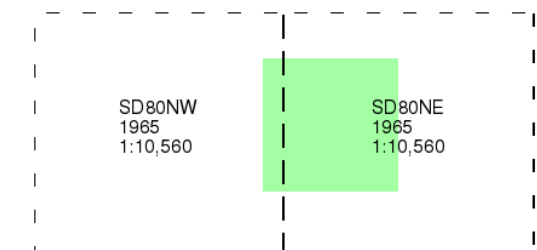
Ordnance Survey Plan

Published 1965

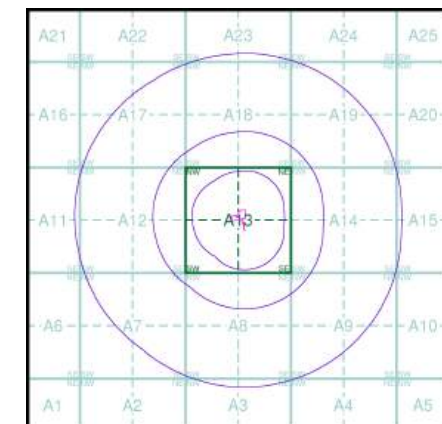
Source map scale - 1:10,000

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

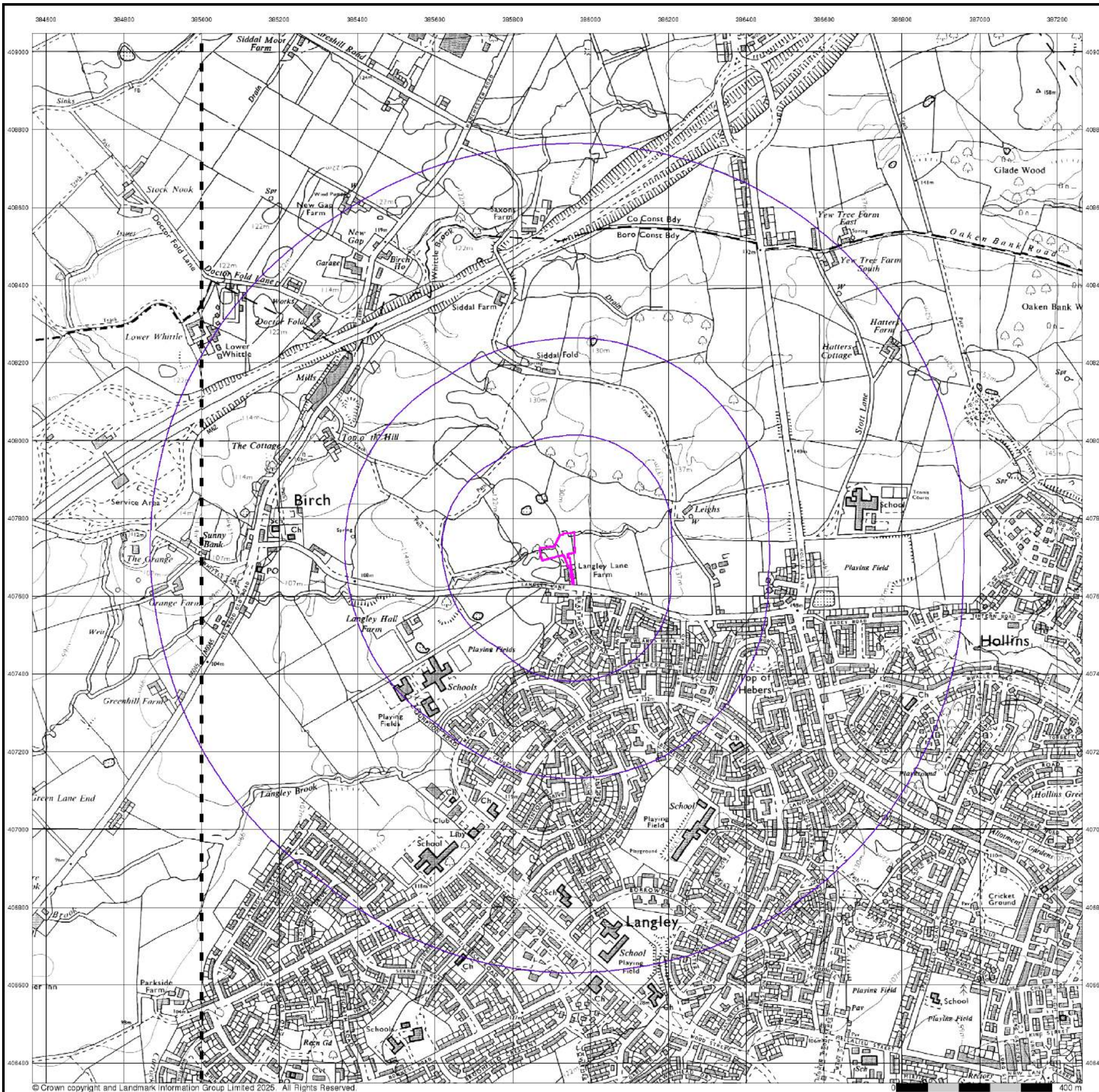
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.



LK CONSULT

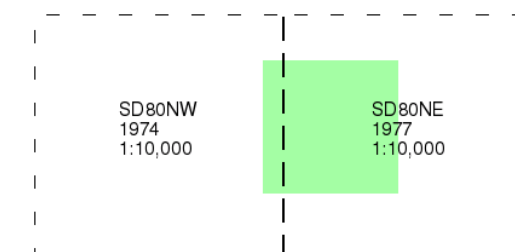
Ordnance Survey Plan

Published 1974 - 1977

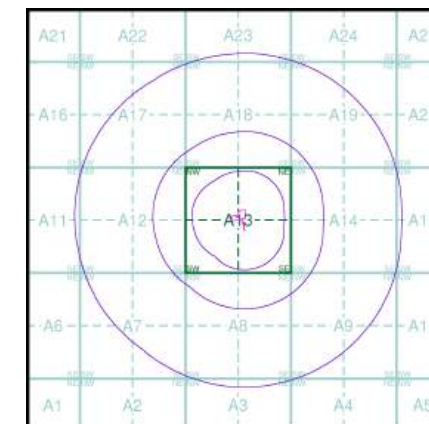
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

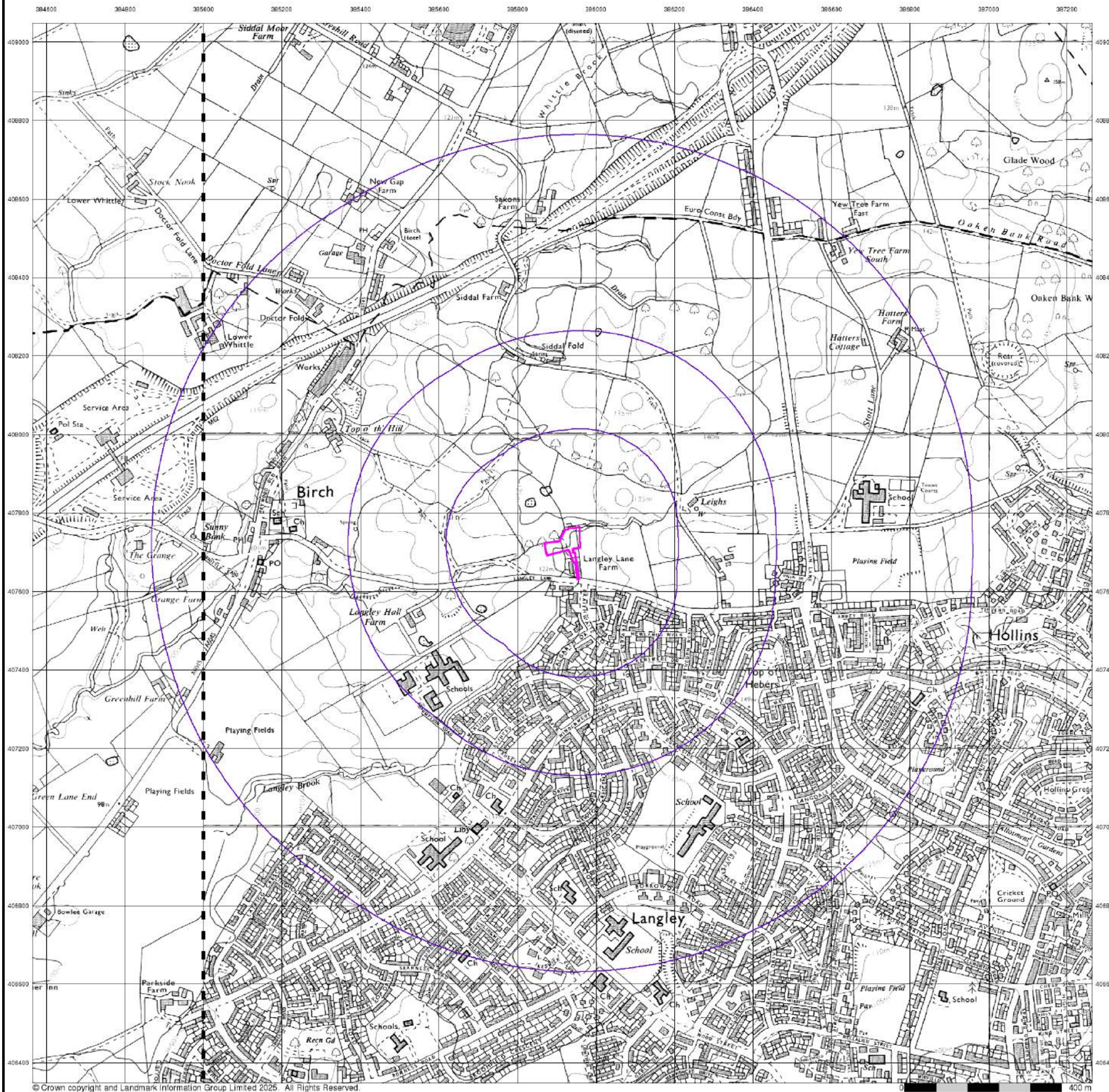
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.



LK CONSULT

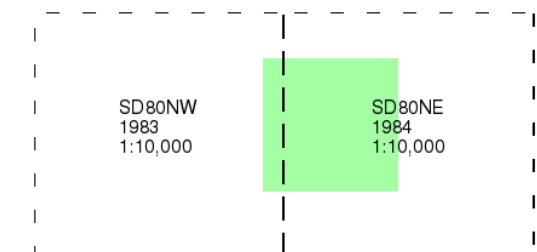
Ordnance Survey Plan

Published 1983 - 1984

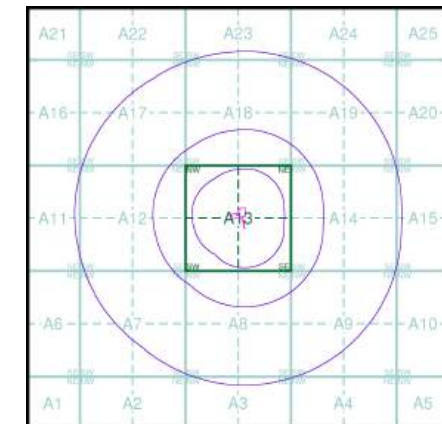
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

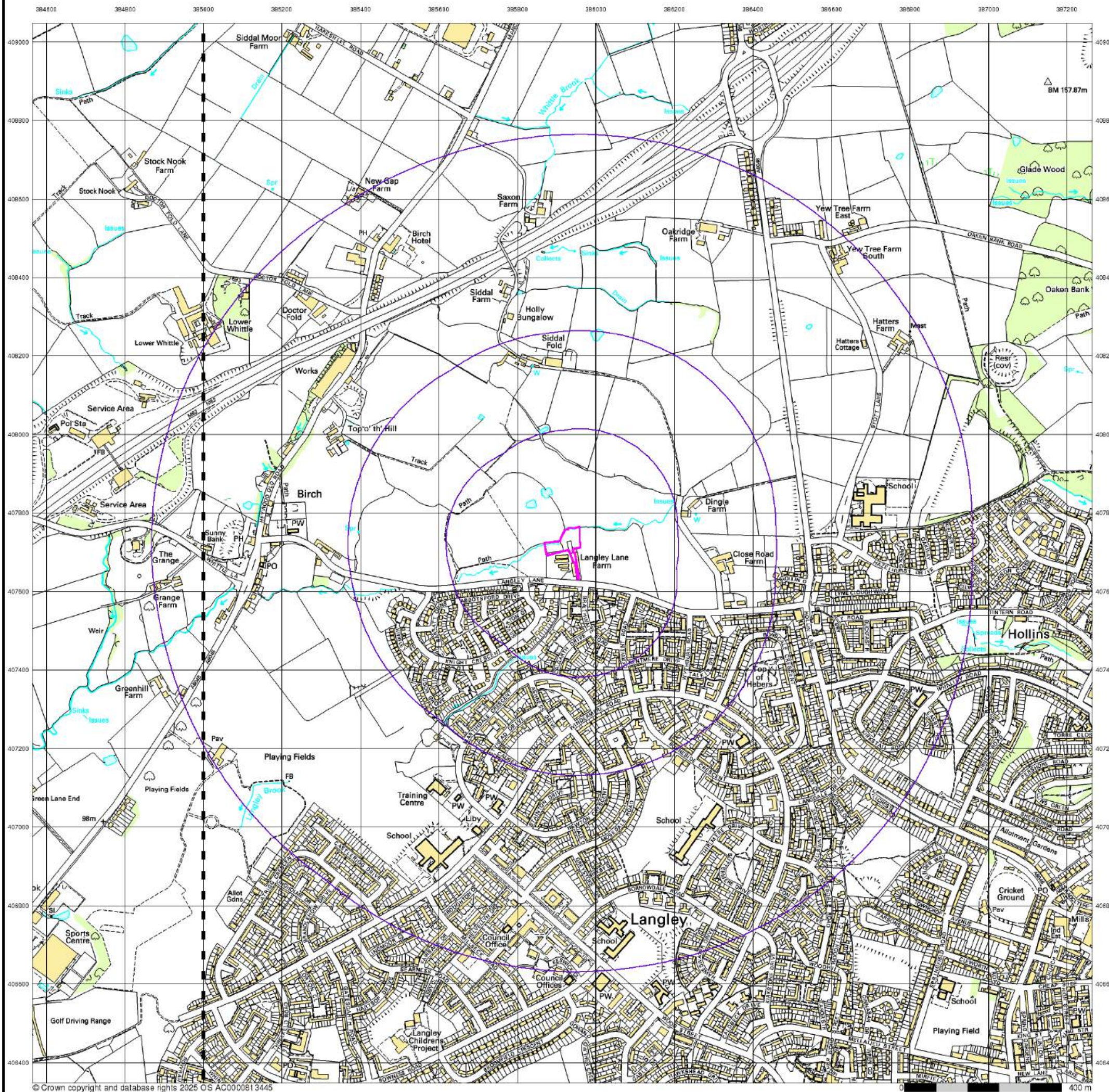
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



© Crown copyright and database rights 2025 OS AC0000813445



LK CONSULT

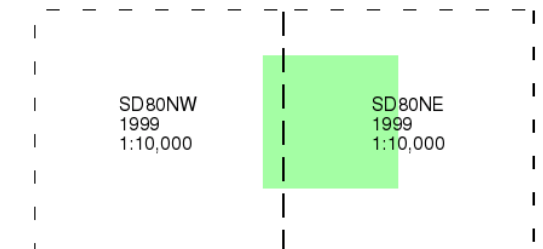
10k Raster Mapping

Published 1999

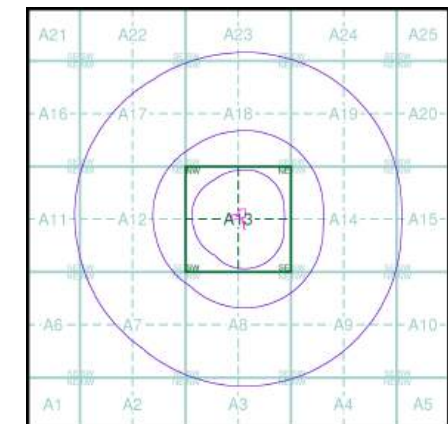
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

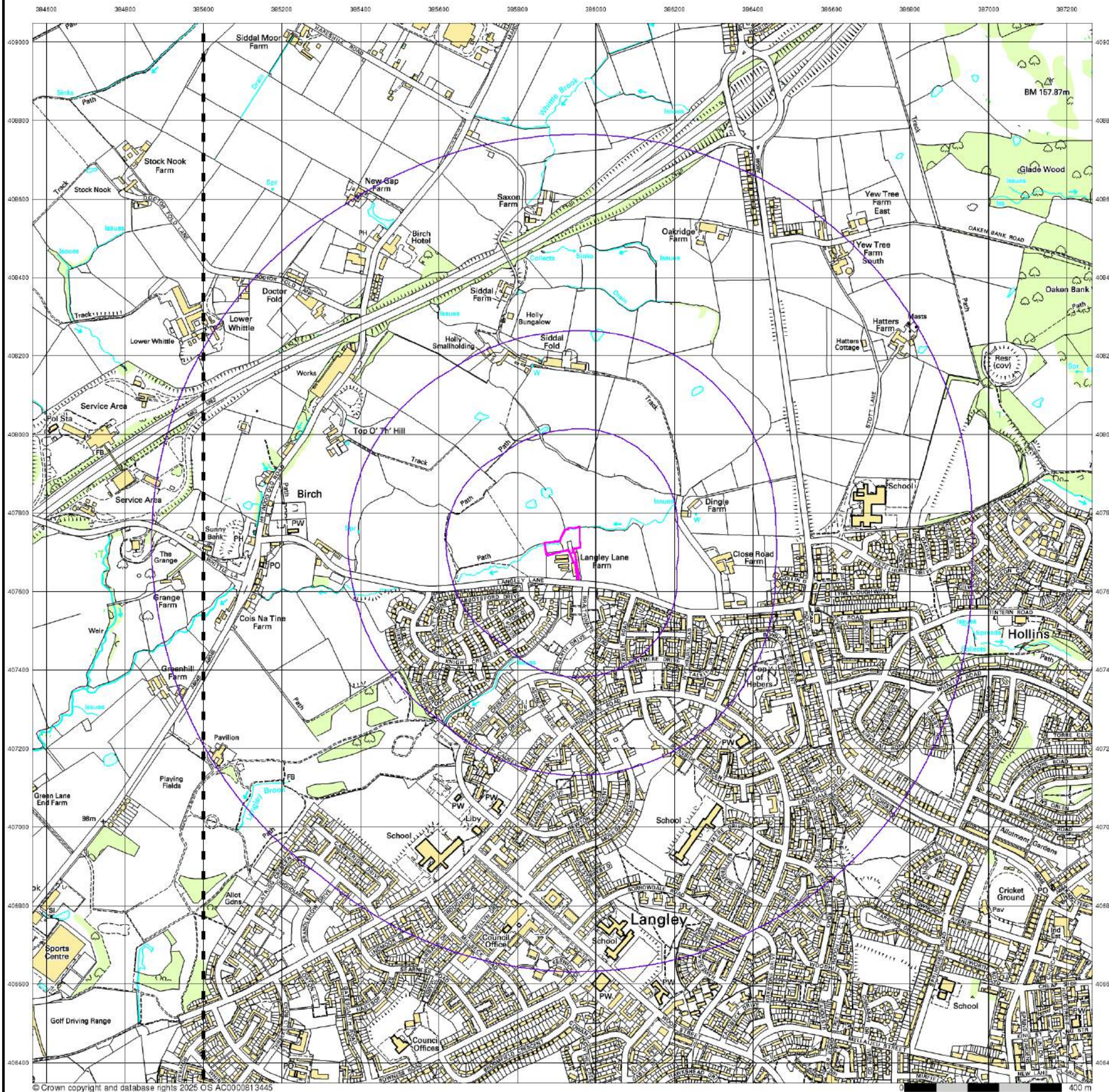
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



© Crown copyright and database rights 2025 OS AC0000813445



LK CONSULT

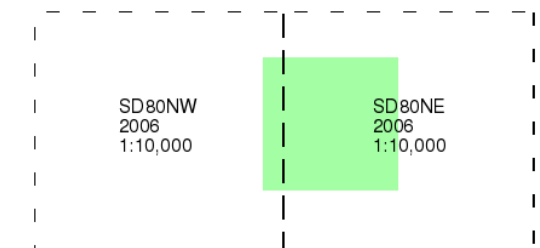
10k Raster Mapping

Published 2006

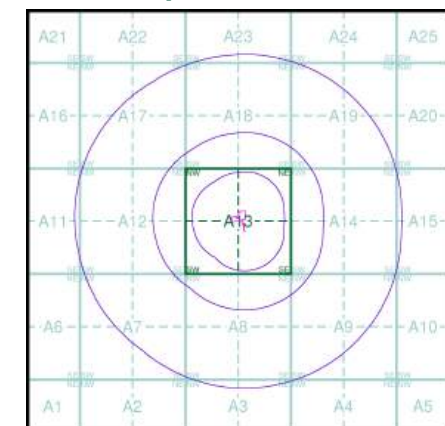
Source map scale - 1:10,000

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

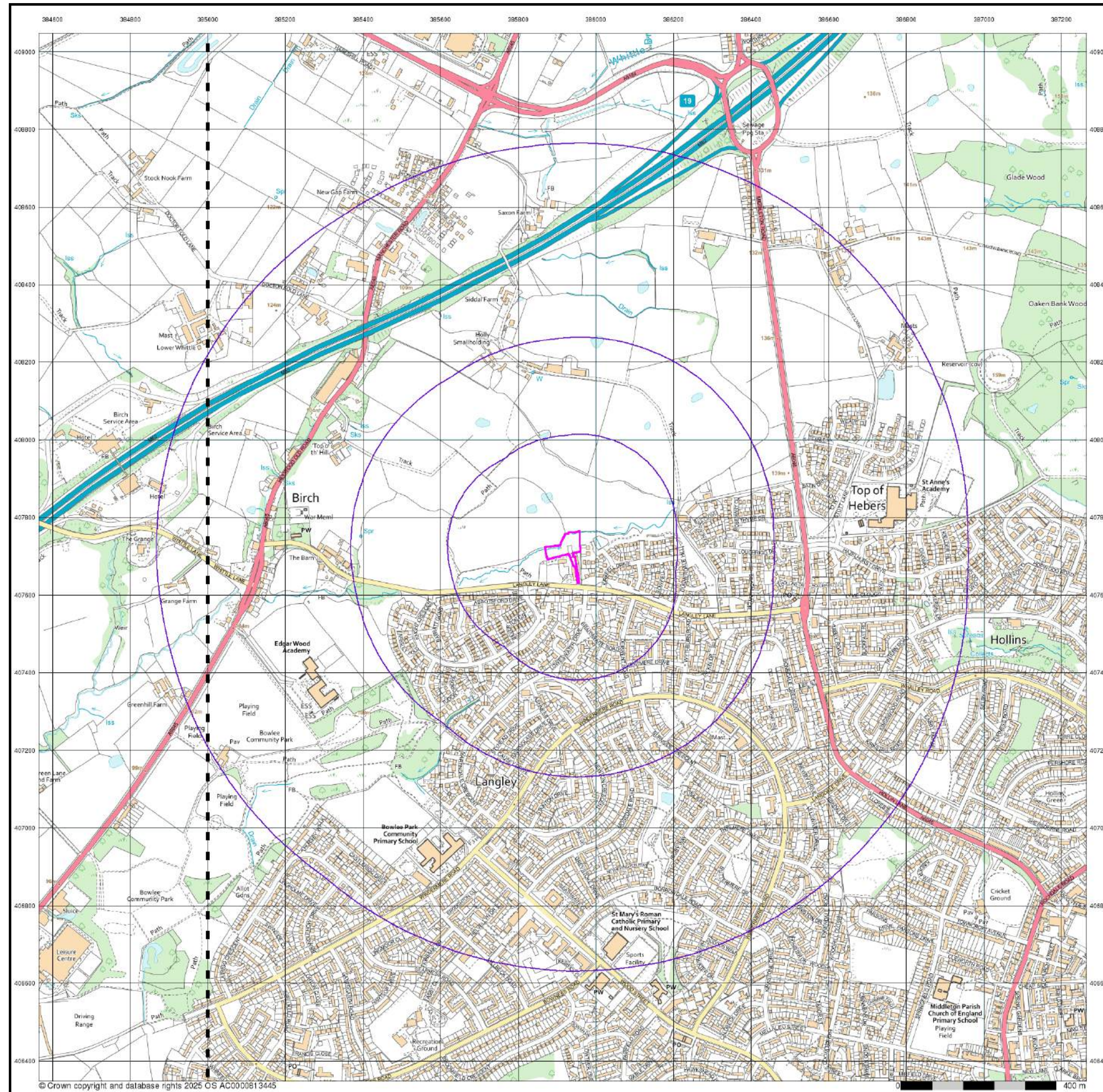
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



© Crown copyright and database rights 2025 OS AC0000813445



LK CONSULT

VectorMap Local

Published 2024

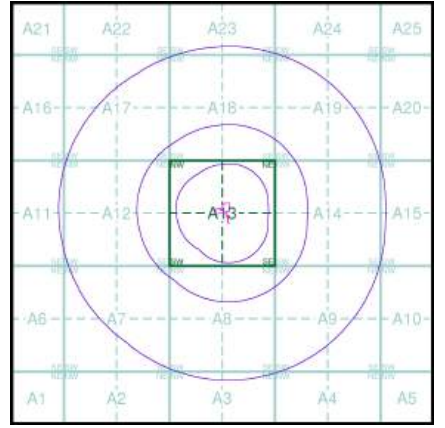
Source map scale - 1:10,000

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)

SD80NW 2024 Variable	SD80NE 2024 Variable
----------------------------	----------------------------

Historical Map - Slice A



Order Details

Order Number:	372354437_1_1
Customer Ref:	LKC251127
National Grid Reference:	385930, 407700
Slice:	A
Site Area (Ha):	0.42
Search Buffer (m):	1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

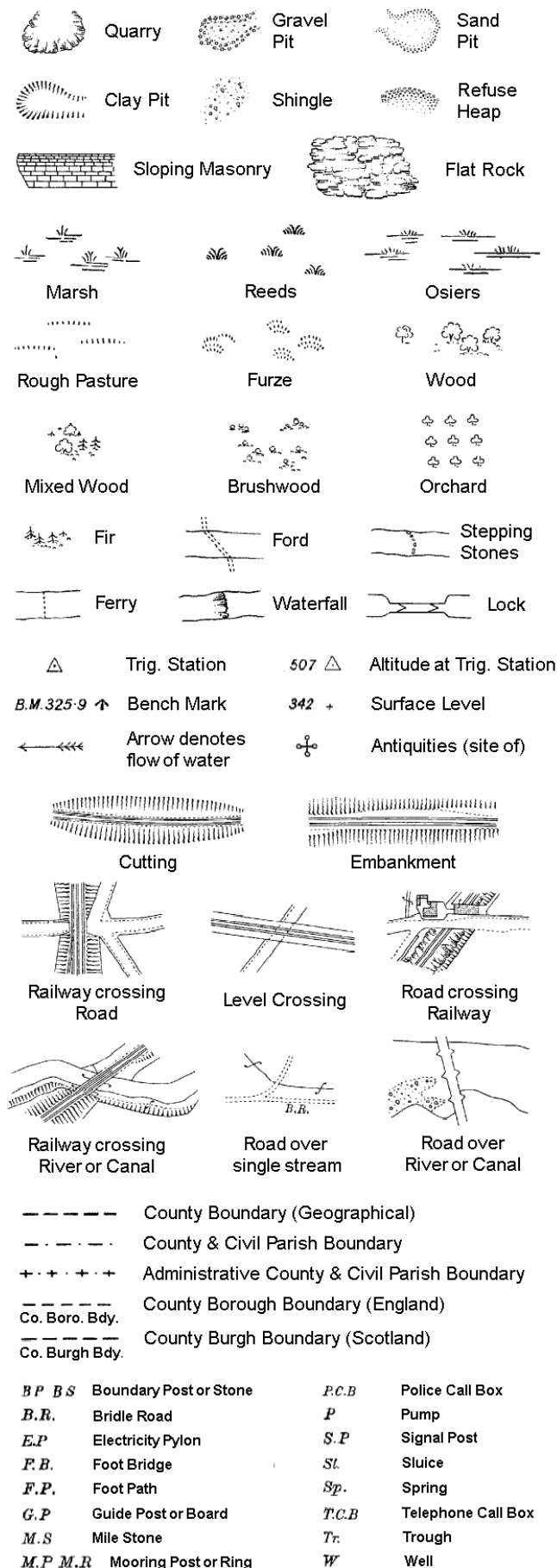


Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

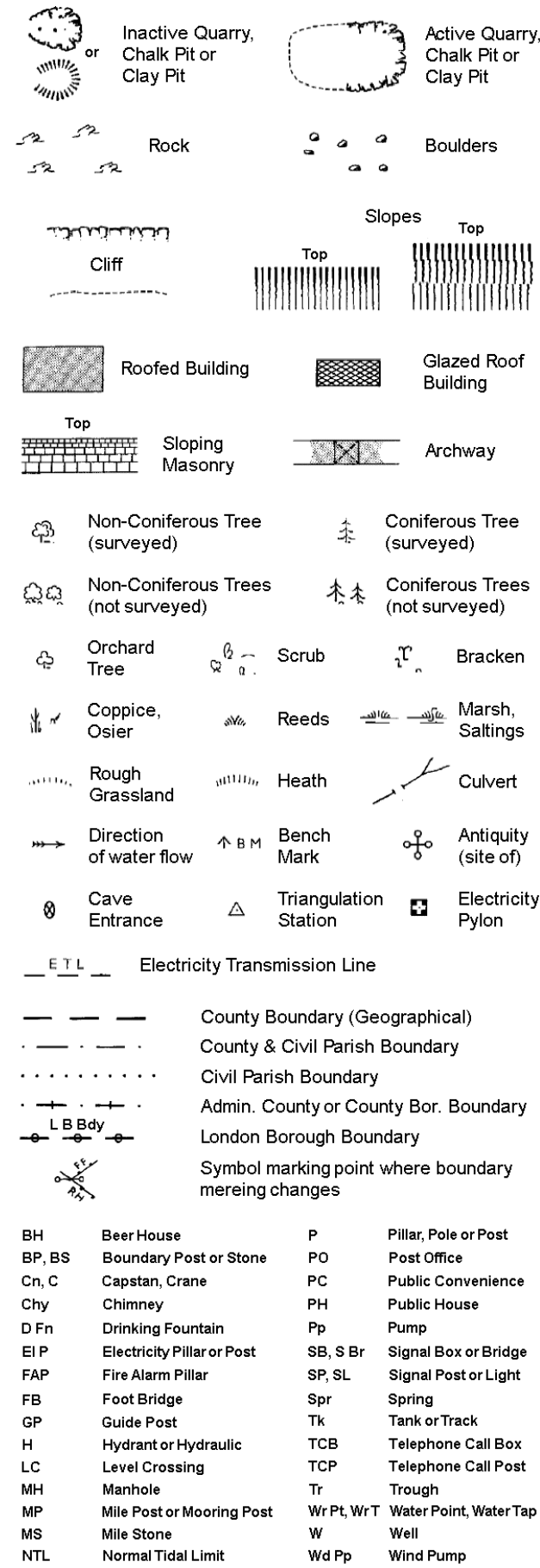
A Landmark Information Group Service v50.0 18-Mar-2025 Page 16 of 16

Historical Mapping Legends

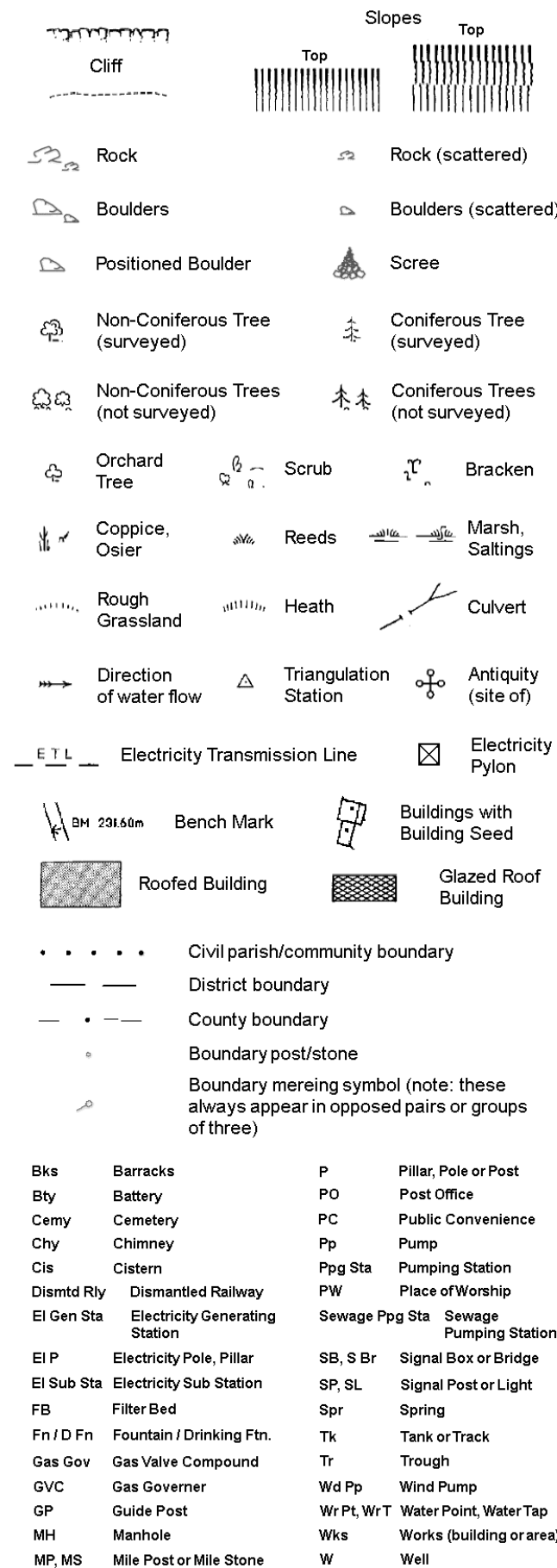
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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

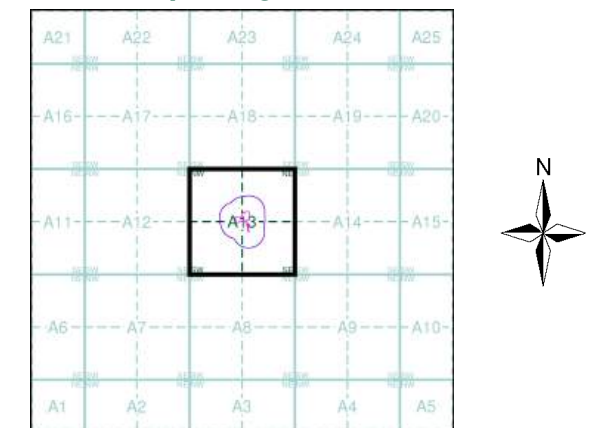


LK CONSULT

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1909 - 1910	3
Lancashire And Furness	1:2,500	1922 - 1929	4
Lancashire And Furness	1:2,500	1937	5
Ordnance Survey Plan	1:1,250	1955	6
Ordnance Survey Plan	1:2,500	1955 - 1956	7
Ordnance Survey Plan	1:1,250	1961 - 1962	8
Ordnance Survey Plan	1:2,500	1968 - 1977	9
Supply of Unpublished Survey Information	1:2,500	1975	10
Supply of Unpublished Survey Information	1:1,250	1975	11
Supply of Unpublished Survey Information	1:2,500	1976	12
Additional SIMs	1:1,250	1983	13
Large-Scale National Grid Data	1:2,500	1992	14
Large-Scale National Grid Data	1:1,250	1992	15
Large-Scale National Grid Data	1:1,250	1993	16
Large-Scale National Grid Data	1:1,250	1994	17
Large-Scale National Grid Data	1:1,250	1995	18
Large-Scale National Grid Data	1:1,250	1996	19
Large-Scale National Grid Data	1:1,250	1996	20
Historical Aerial Photography	1:2,500	2000	21

Historical Map - Segment A13



Order Details

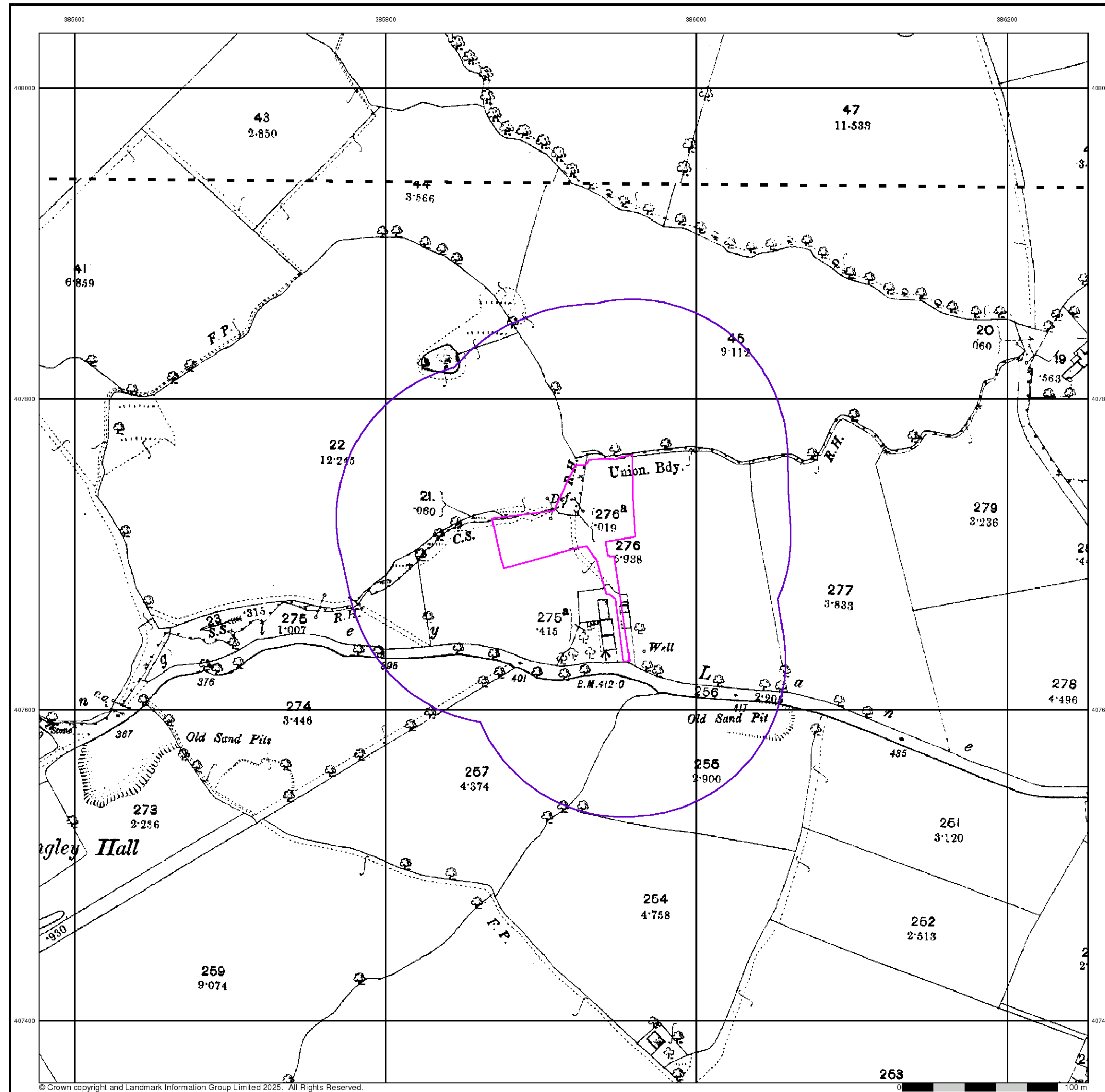
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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





LK CONSULT

Lancashire And Furness

Published 1893

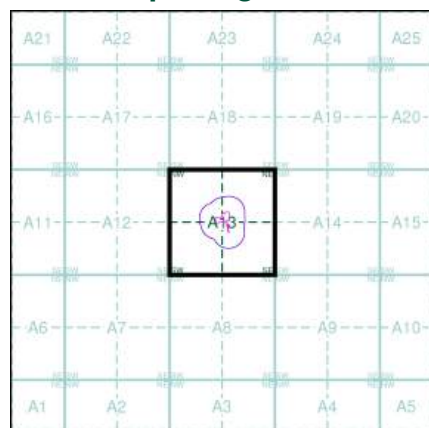
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

088_15
1893
1:2,500
096_03
1893
1:2,500

Historical Map - Segment A13



Order Details

Order Number:	372354437_1_1
Customer Ref:	LKC251127
National Grid Reference:	385930, 407700
Slice:	A
Site Area (Ha):	0.42
Search Buffer (m):	100

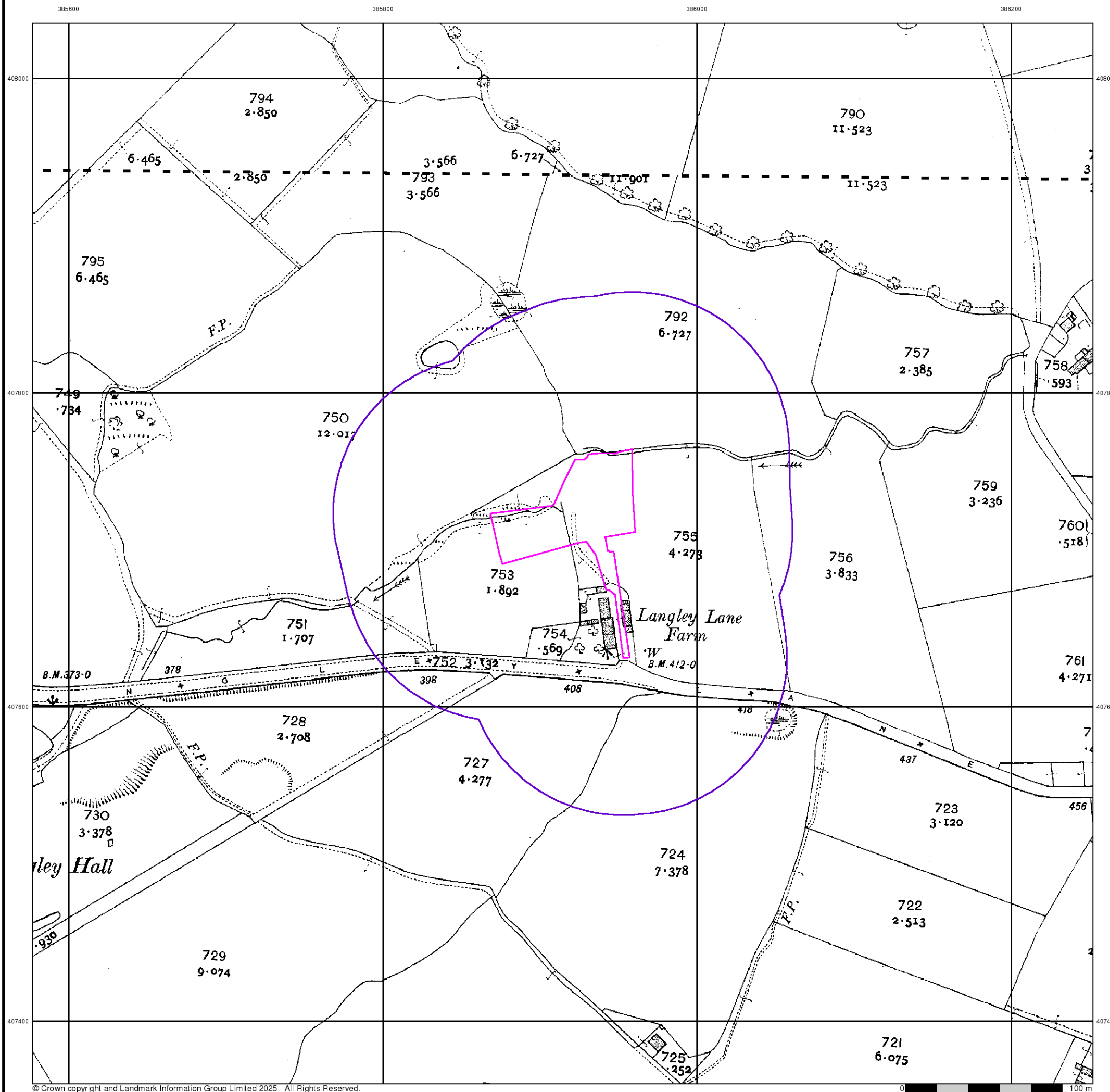
Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



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

A Landmark Information Group Service v50.0 18-Mar-2025 Page 2 of 21



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.

0 100 m



LK CONSULT

Lancashire And Furness

Published 1909 - 1910

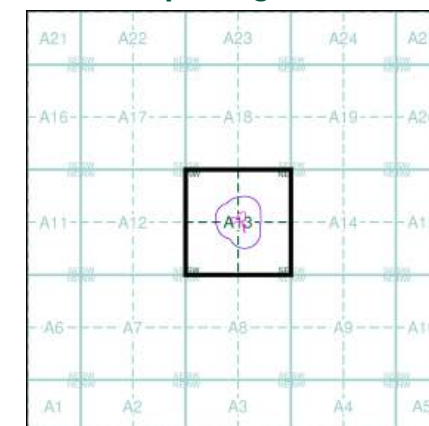
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

088_15
1910
1:2,500
096_03
1909
1:2,500

Historical Map - Segment A13



Order Details

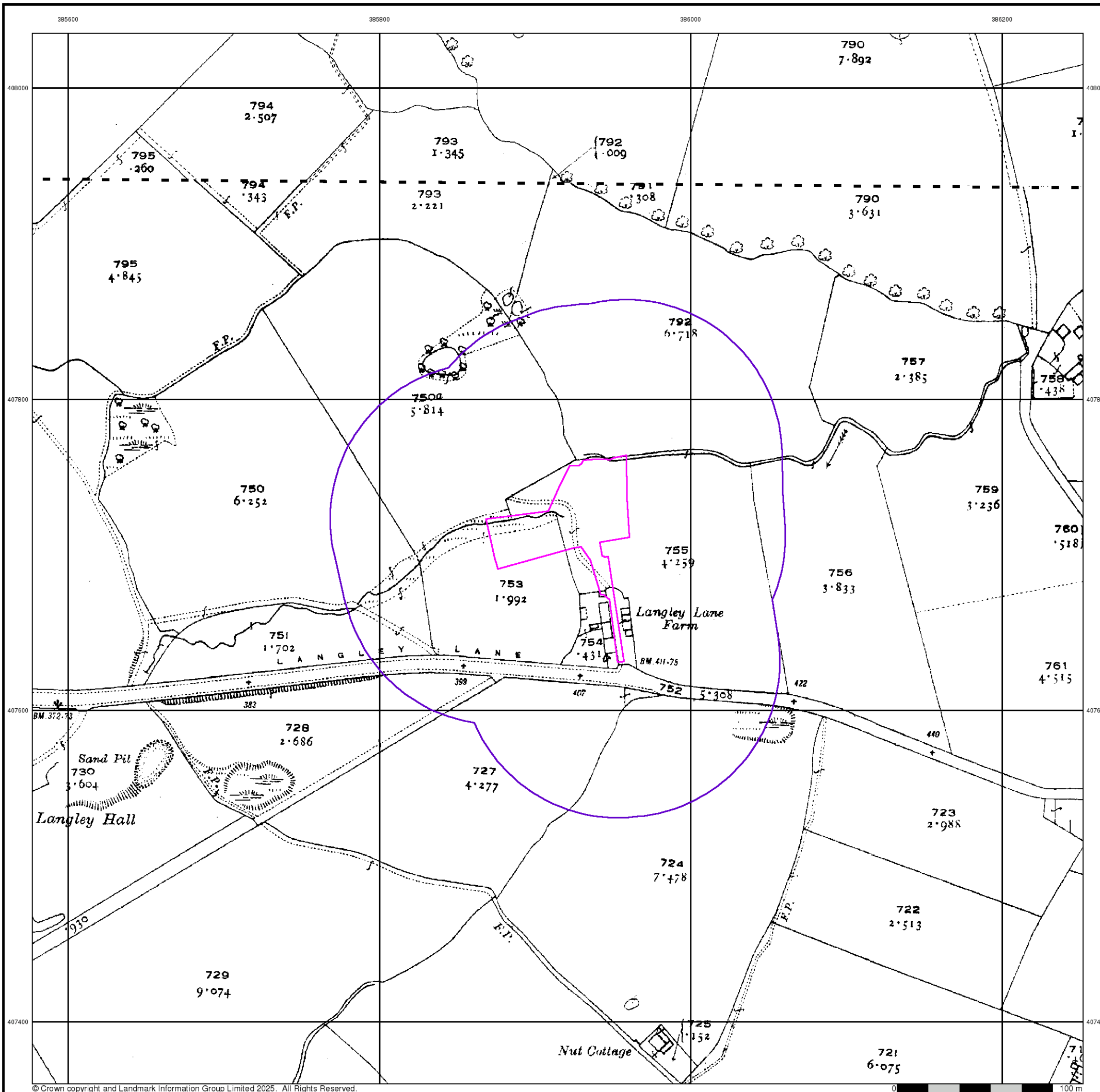
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.

0 100 m



LK CONSULT

Lancashire And Furness

Published 1922 - 1929

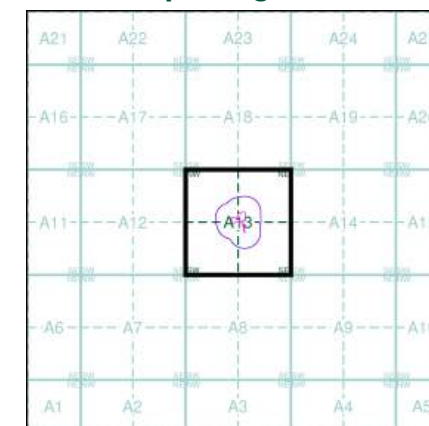
Source map scale - 1:2,500

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)

088_15
1929
1:2,500
096_03
1922
1:2,500

Historical Map - Segment A13



Order Details

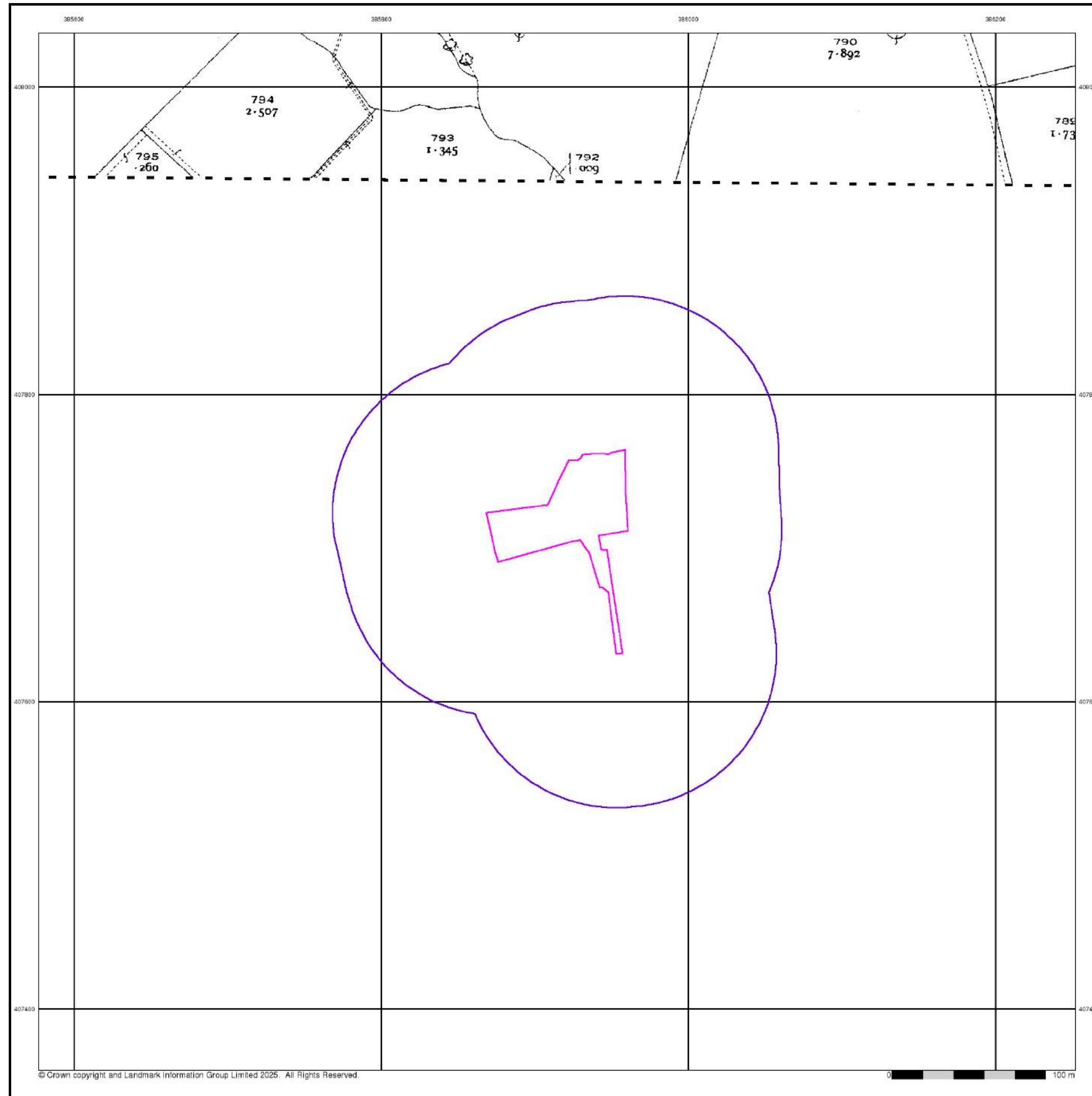
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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





LK CONSULT

Lancashire And Furness

Published 1937

Source map scale - 1:2,500

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

Map Name(s) and Date(s)

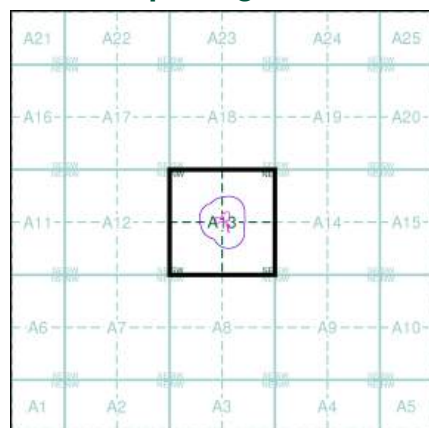
088_15

1937

1:2,500



Historical Map - Segment A13



Order Details

Order Number:	372354437_1_1
Customer Ref:	LKC251127
National Grid Reference:	385930, 407700
Slice:	A
Site Area (Ha):	0.42
Search Buffer (m):	100

Site Details

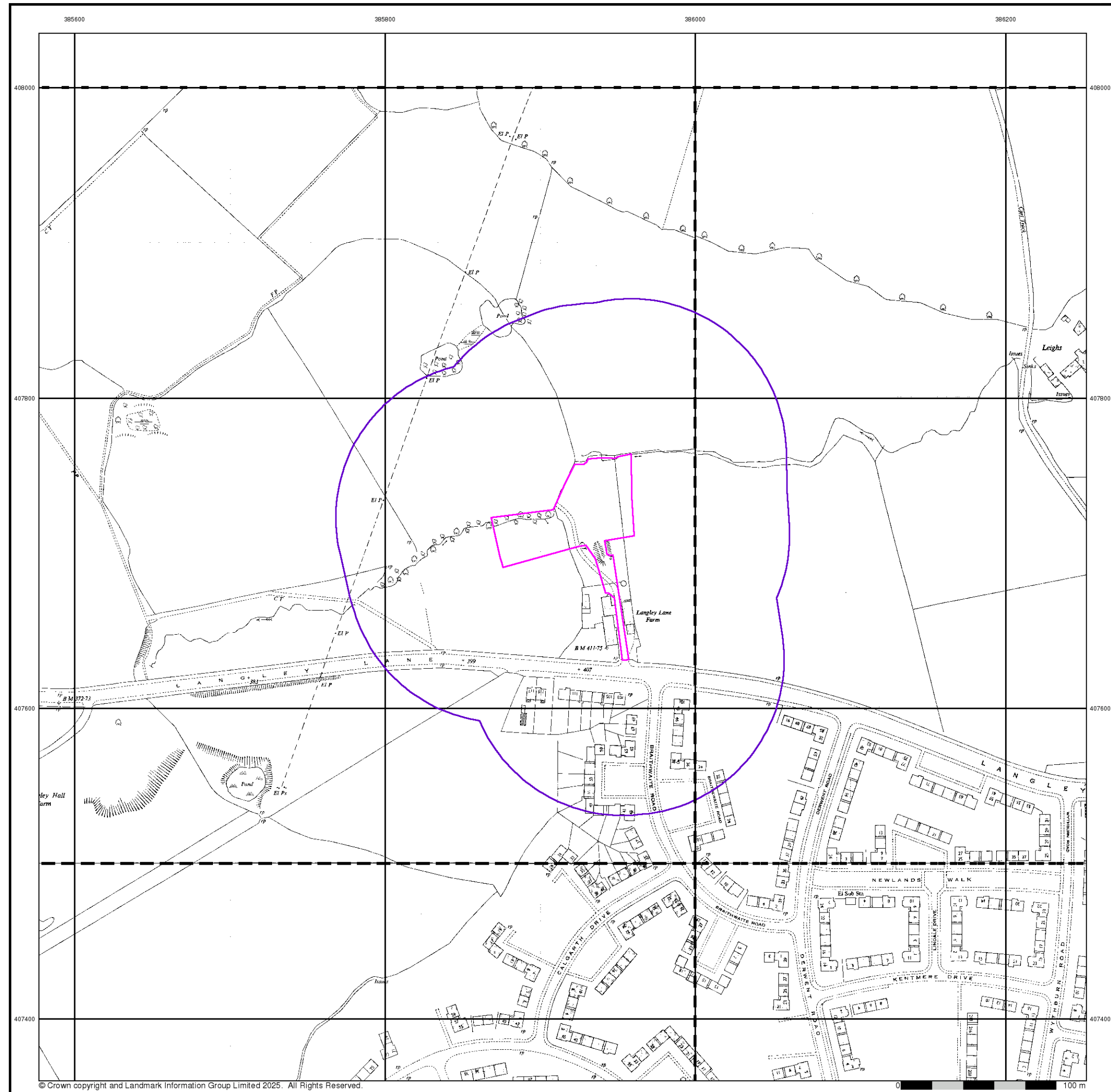
Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



Landmark
INFORMATION GROUP

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

A Landmark Information Group Service v50.0 18-Mar-2025 Page 5 of 21





LK CONSULT

Ordnance Survey Plan

Published 1955

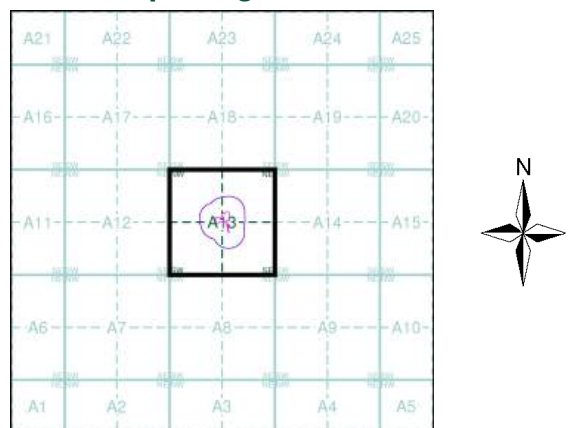
Source map scale - 1:1,250

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)

SD8507NE 1955 1:1,250	SD8607NW 1955 1:1,250
SD8507SE 1955 1:1,250	SD8607SW 1955 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

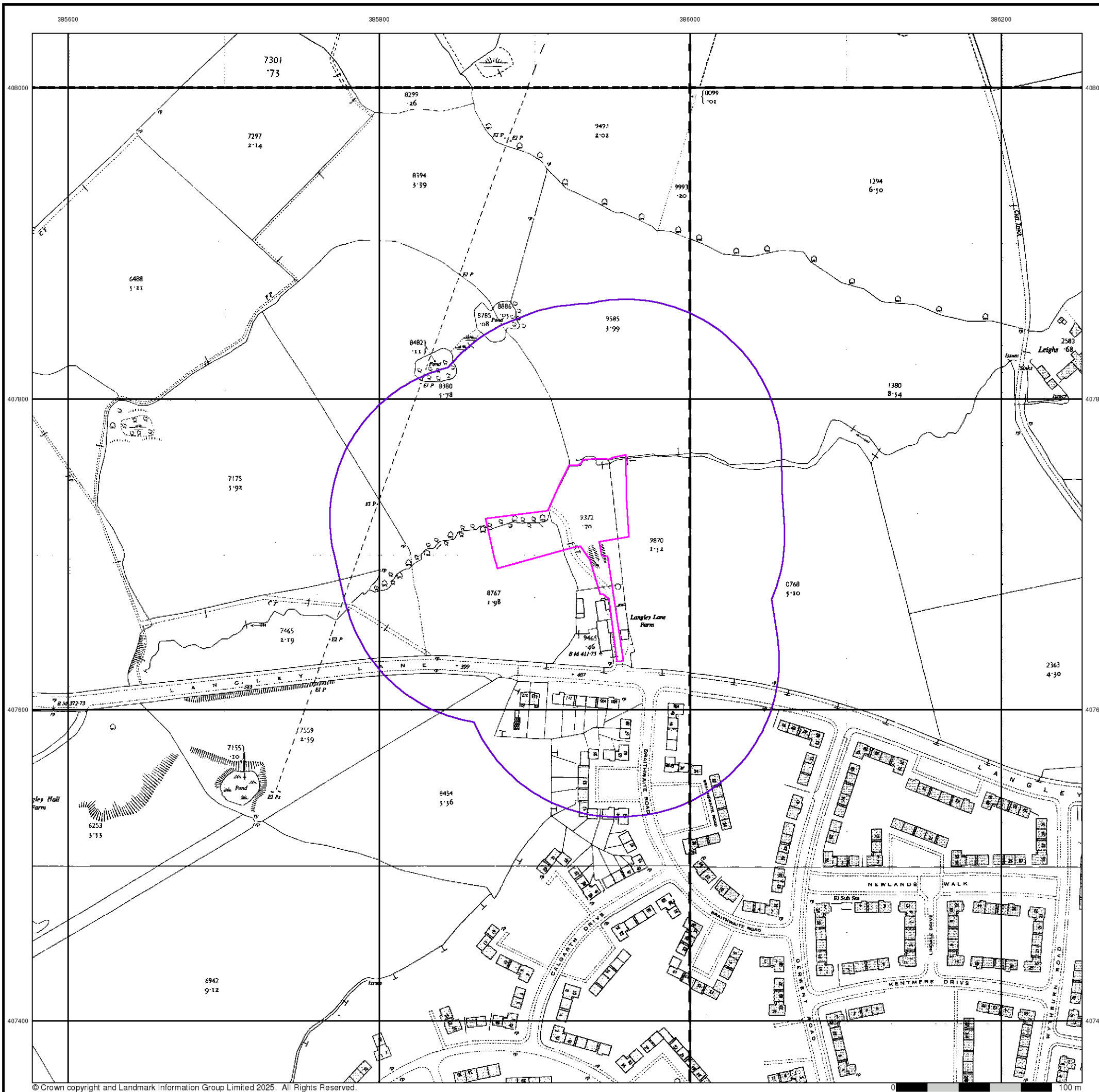


Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.

0 100 m

A Landmark Information Group Service v50.0 18-Mar-2025 Page 6 of 21



LK CONSULT

Ordnance Survey Plan

Published 1955 - 1956

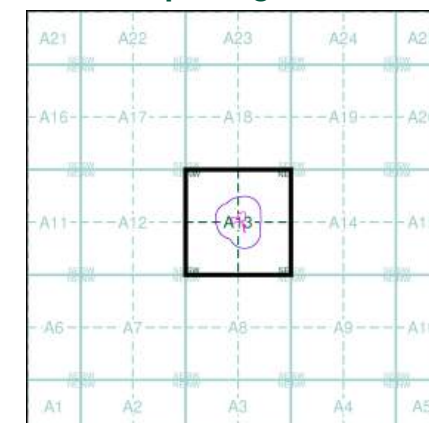
Source map scale - 1:2,500

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)

SD8508 1956 1:2,500	SD8608 1956 1:2,500
SD8507 1955 1:2,500	SD8607 1955 1:2,500

Historical Map - Segment A13



Order Details

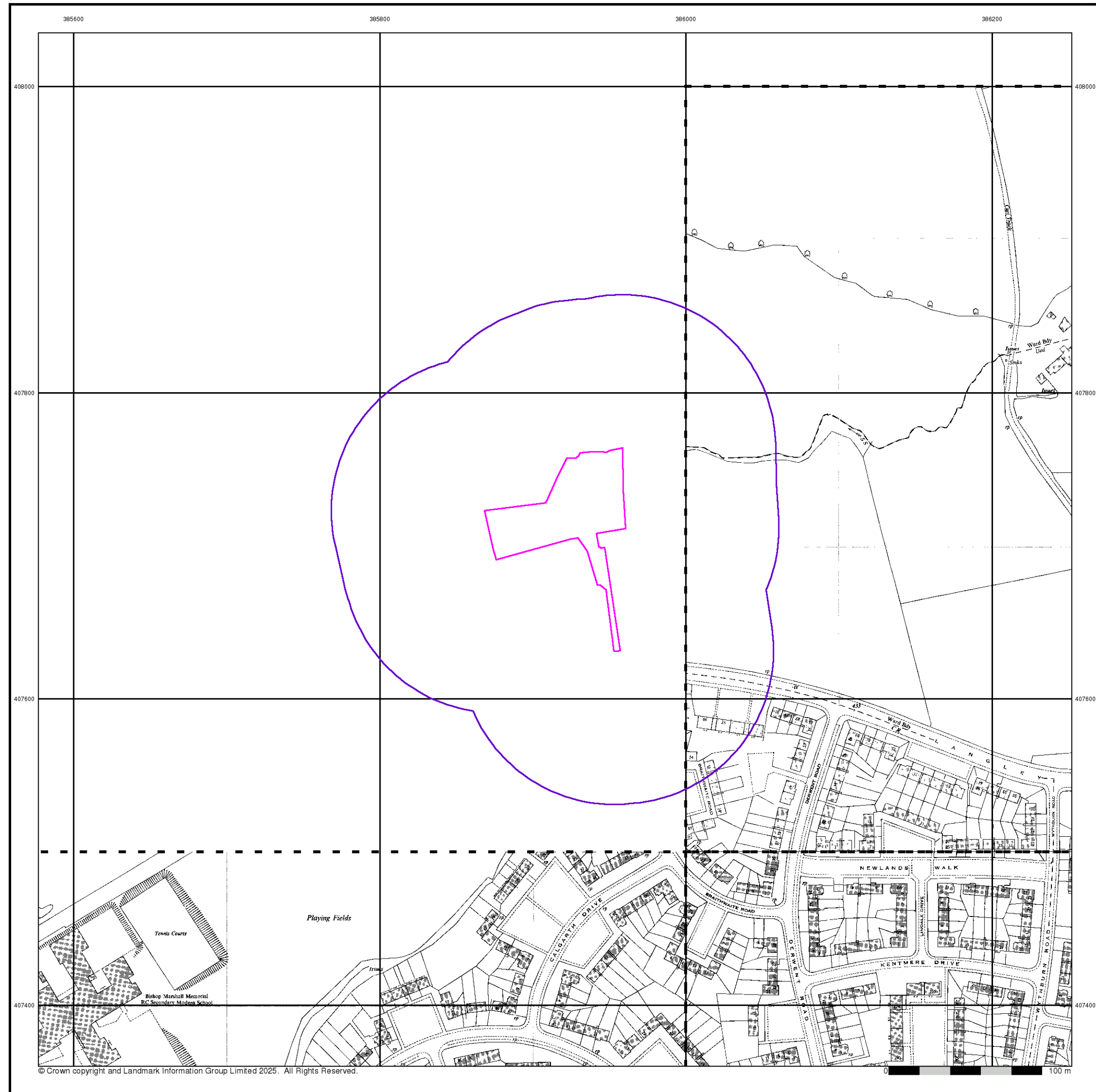
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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





LK CONSULT

Ordnance Survey Plan

Published 1961 - 1962

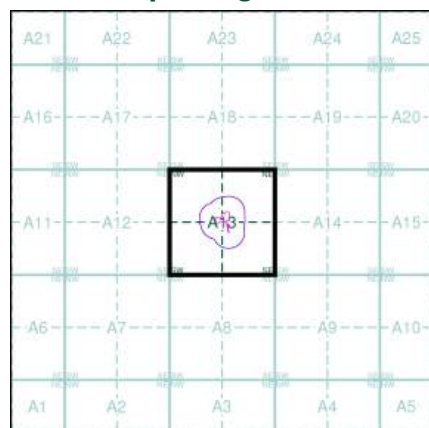
Source map scale - 1:1,250

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)

SD8807NW 1961 1:1,250	SD8807SW 1961 1:1,250
SD8507SE 1962 1:1,250	

Historical Map - Segment A13



Order Details

Order Number:	372354437_1_1
Customer Ref:	LKC251127
National Grid Reference:	385930, 407700
Slice:	A
Site Area (Ha):	0.42
Search Buffer (m):	100

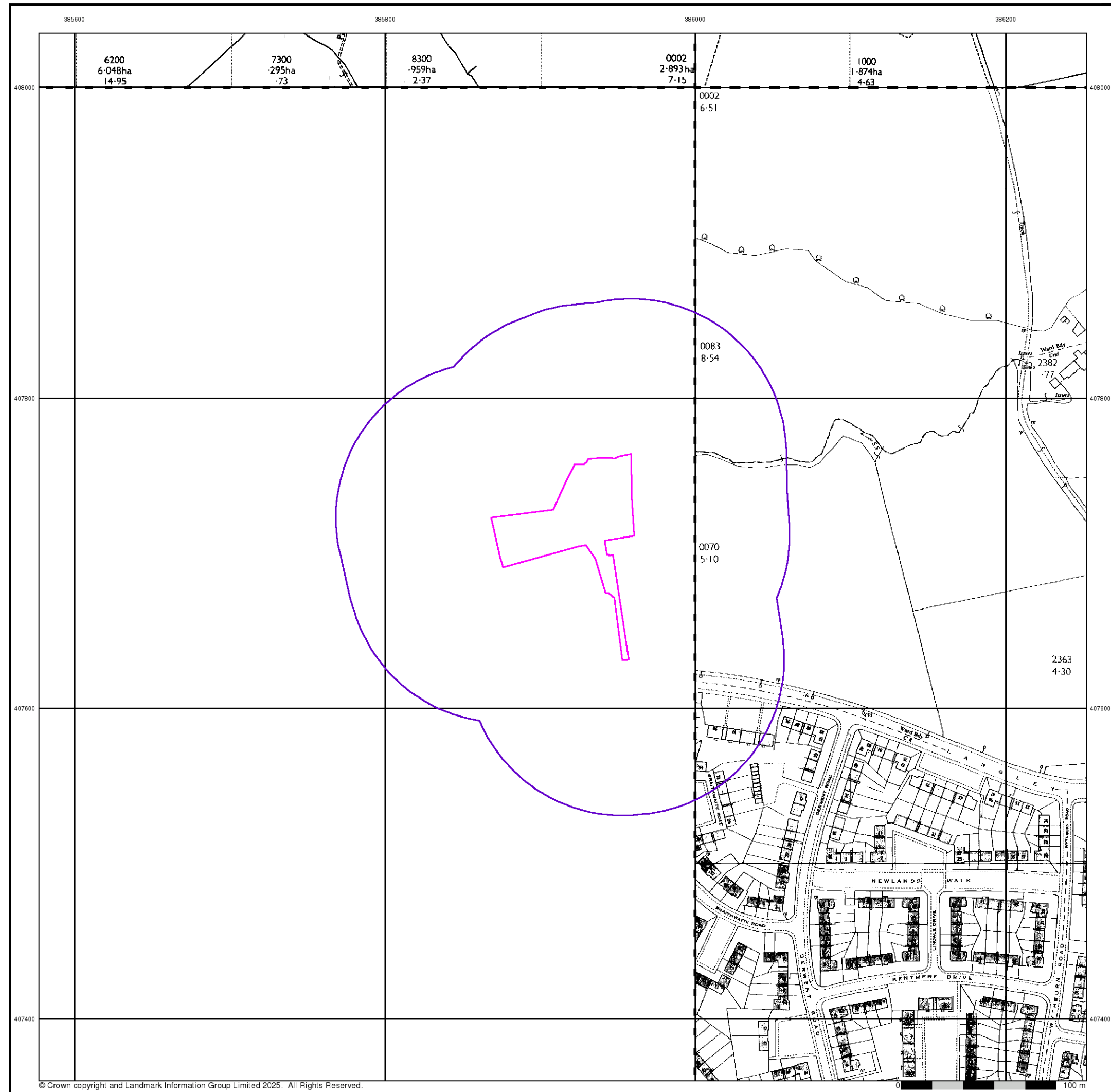
Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



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

A Landmark Information Group Service v50.0 18-Mar-2025 Page 8 of 21



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.



LK CONSULT

Ordnance Survey Plan

Published 1968 - 1977

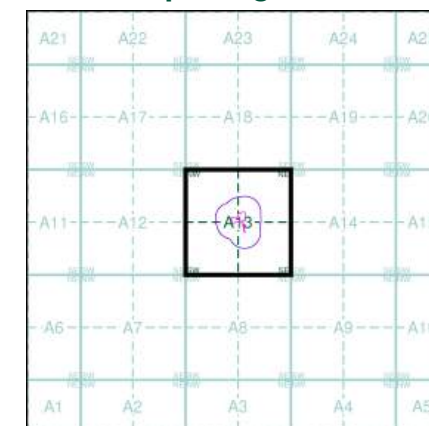
Source map scale - 1:2,500

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)

SD8508 1977 12,500	SD8608 1977 12,500
	SD8607 1968 12,500

Historical Map - Segment A13



Order Details

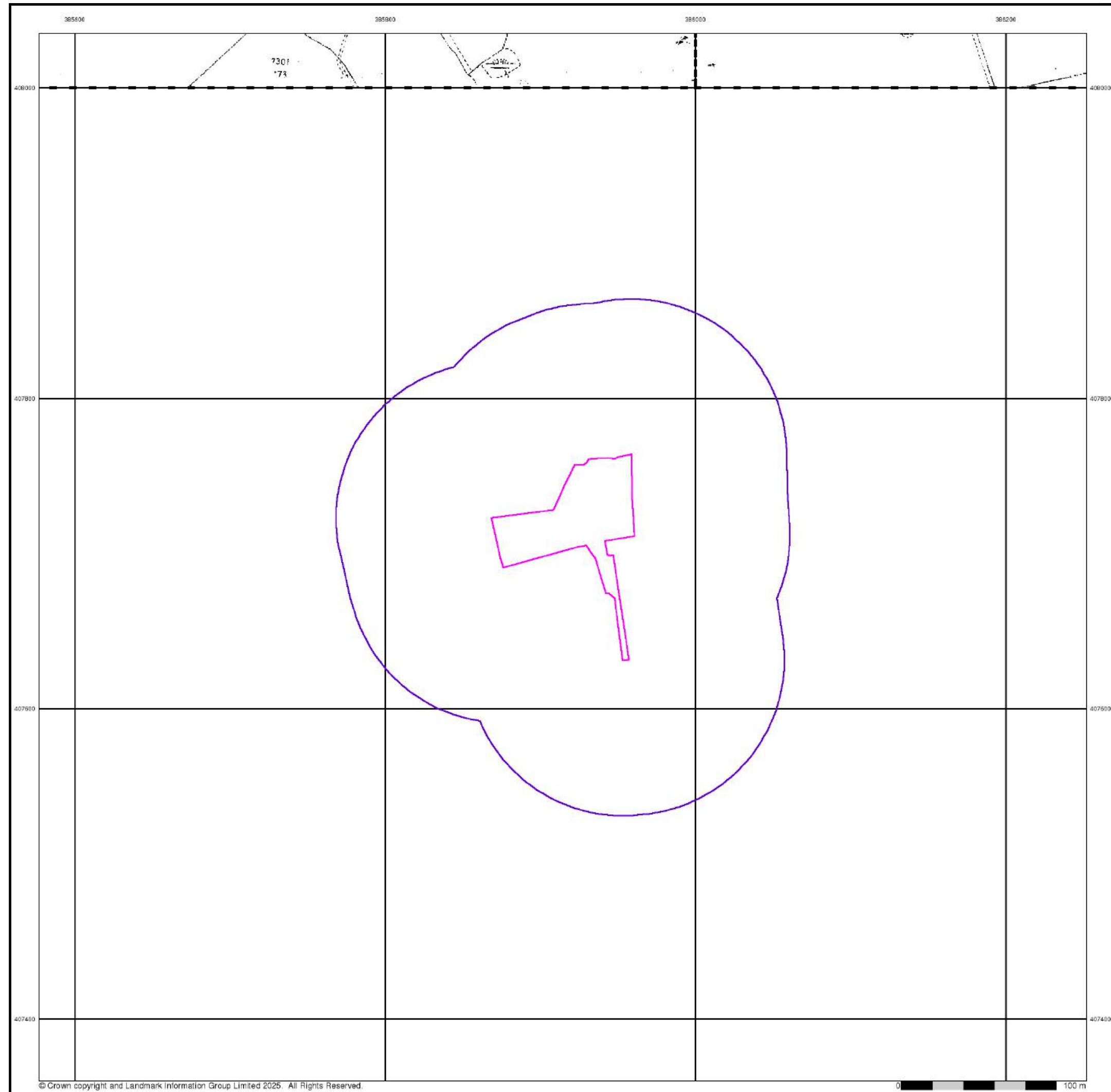
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



LK CONSULT

Supply of Unpublished Survey Information

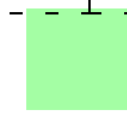
Published 1975

Source map scale - 1:2,500

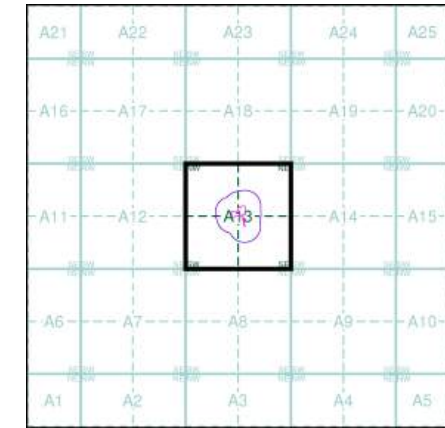
SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment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

Map Name(s) and Date(s)

SD8508 1975 1:2,500	SD8608 1975 1:2,500
---------------------------	---------------------------



Historical Map - Segment A13



Order Details

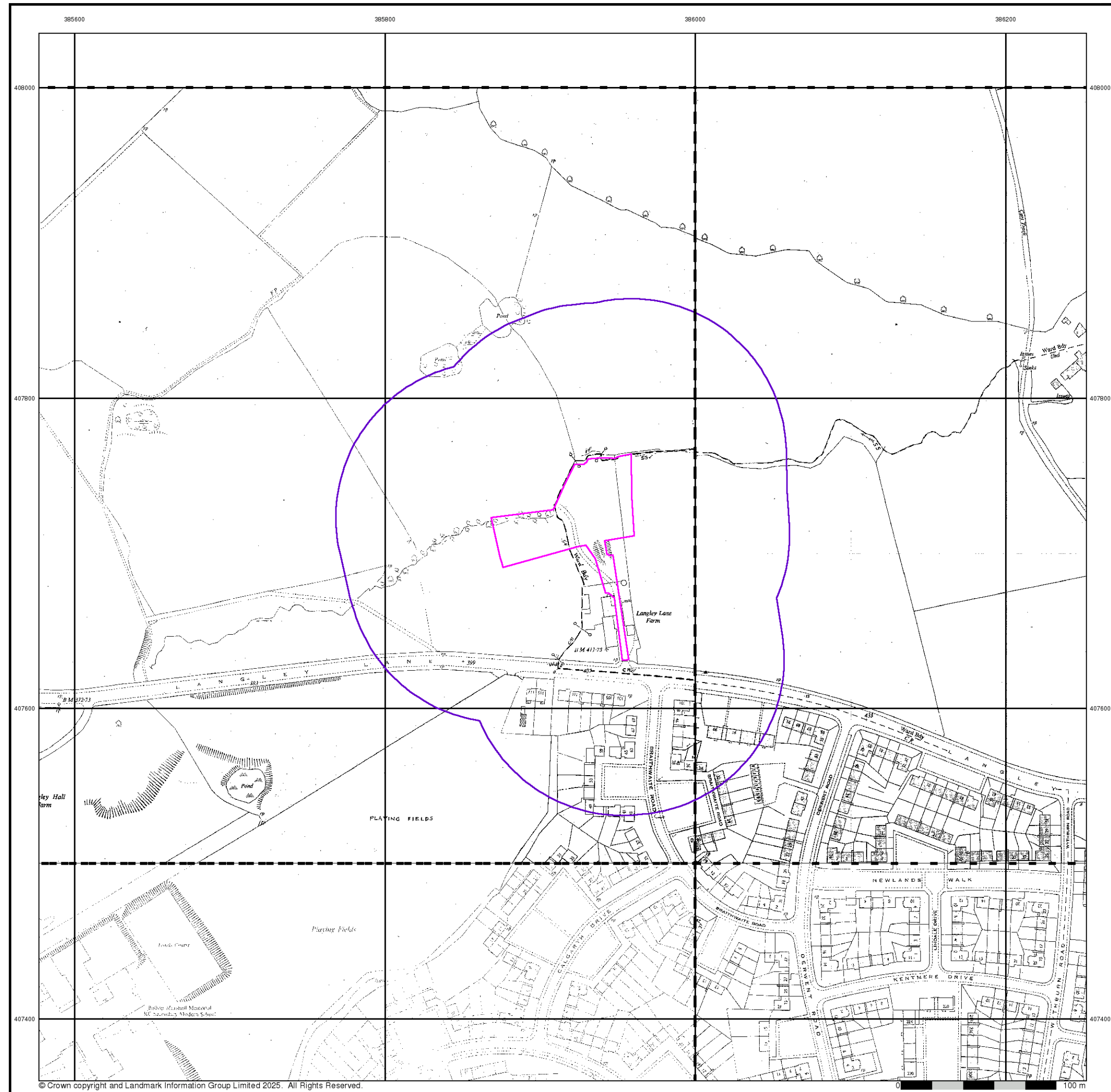
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



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



LK CONSULT

Supply of Unpublished Survey Information

Published 1975

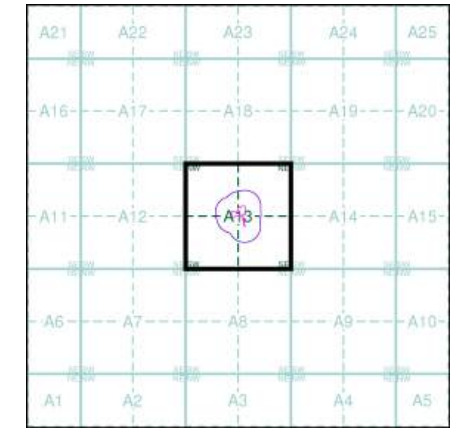
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8507NE 1975 1:1,250	SD8607NW 1975 1:1,250
SD8507SE 1975 1:1,250	SD8607SW 1975 1:1,250

Historical Map - Segment A13



Order Details

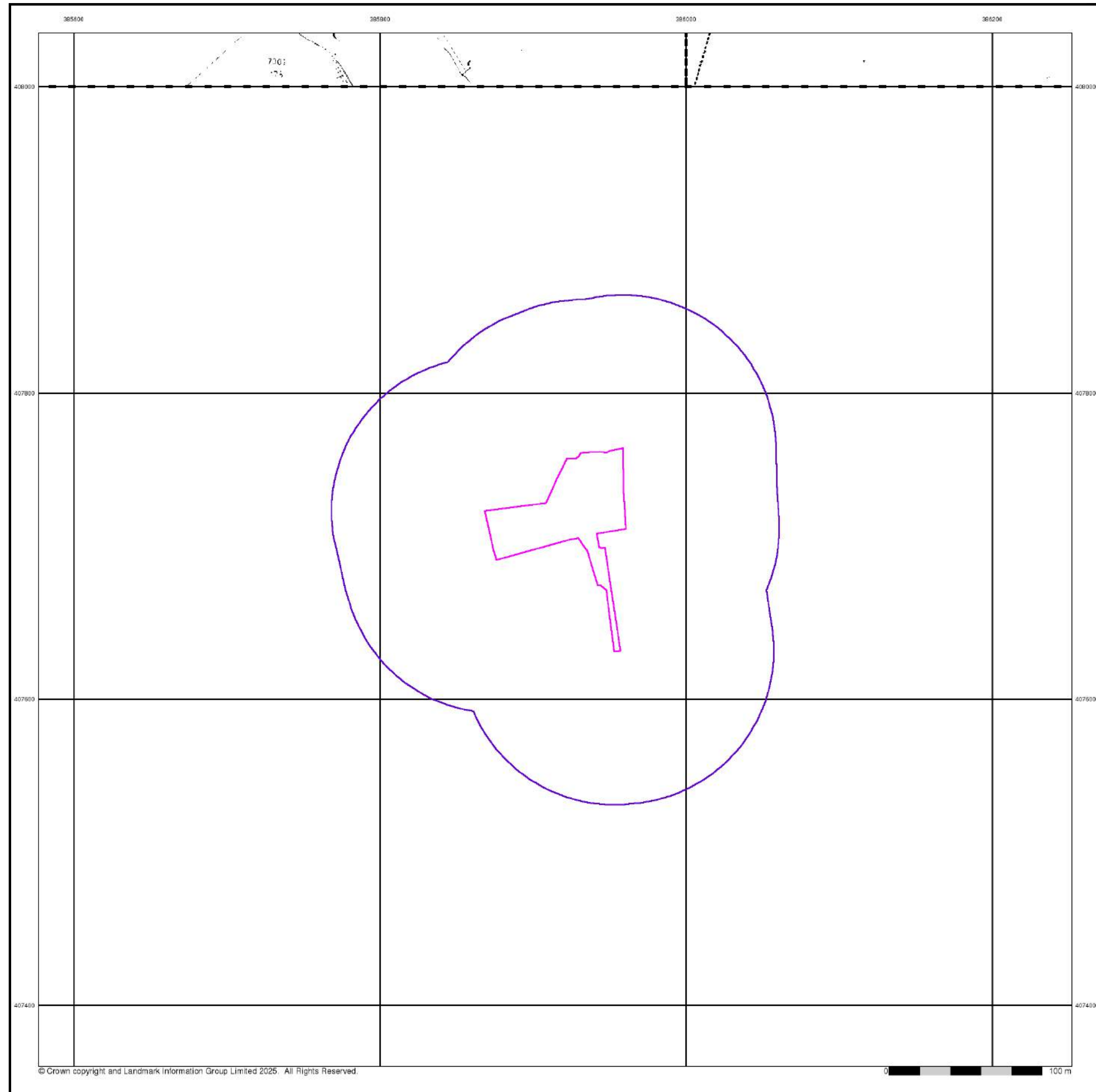
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



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



LK CONSULT

Supply of Unpublished Survey Information

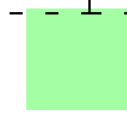
Published 1976

Source map scale - 1:2,500

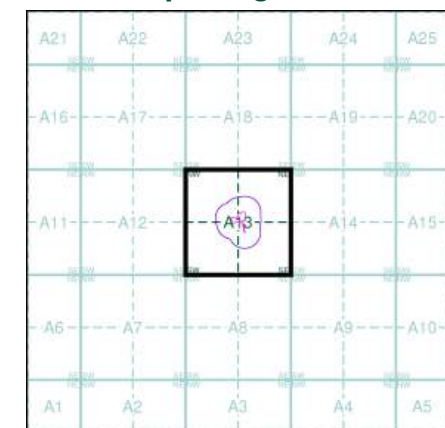
SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment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

Map Name(s) and Date(s)

SD8508 1976 1:2,500	SD8608 1976 1:2,500
---------------------------	---------------------------



Historical Map - Segment A13



Order Details

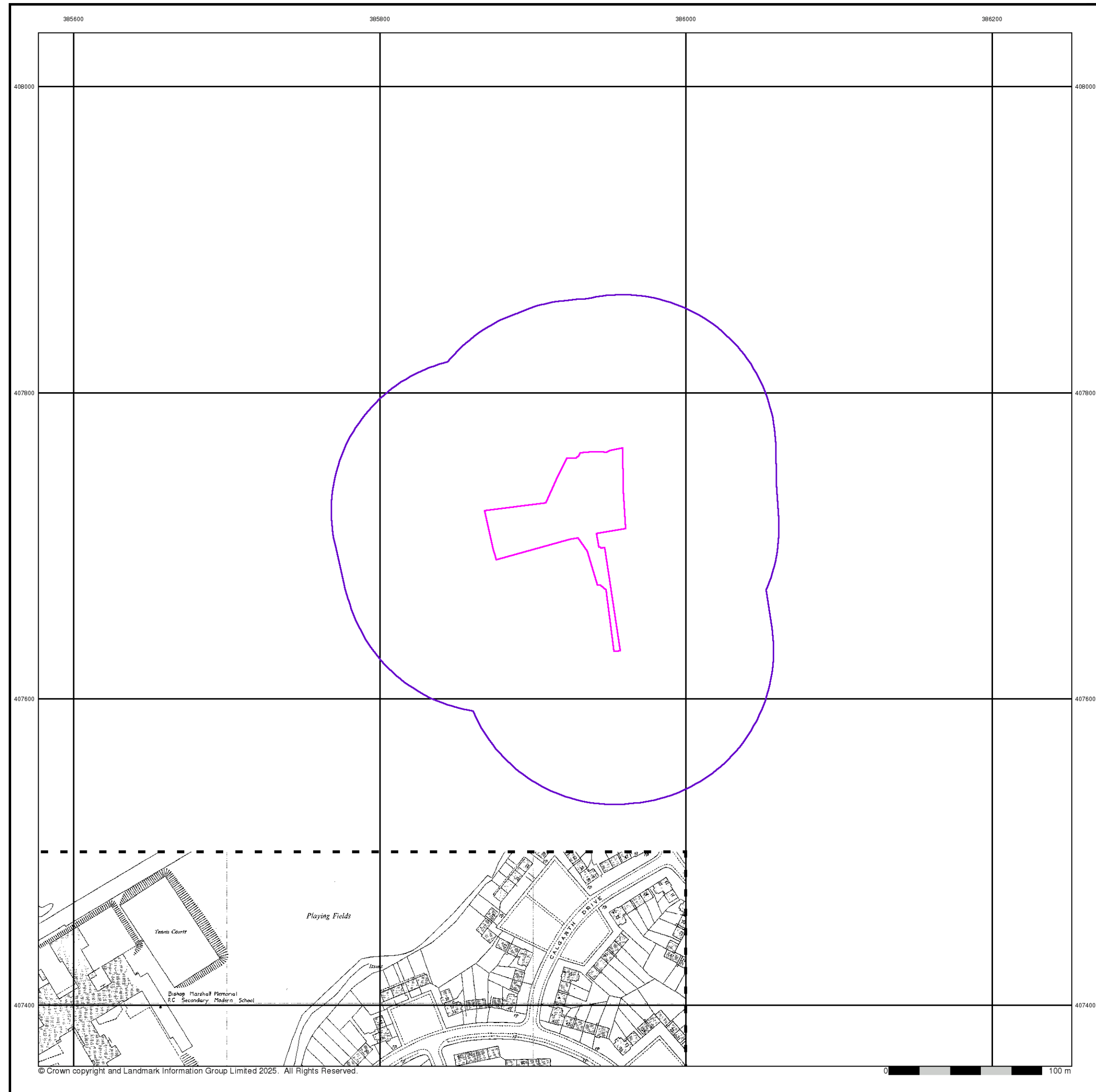
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



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

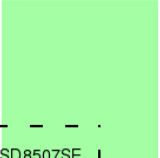




Additional SIMs
Published 1983
Source map scale - 1:1,250

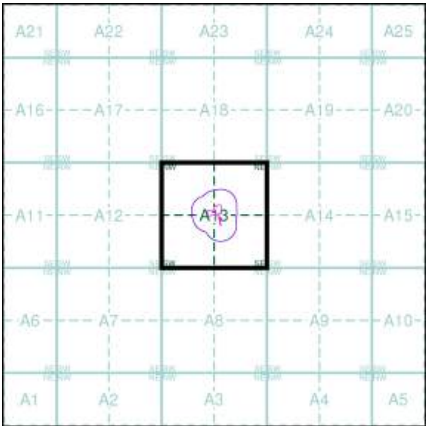
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)



SD8507SE
1983
1:1,250

Historical Map - Segment A13



Order Details

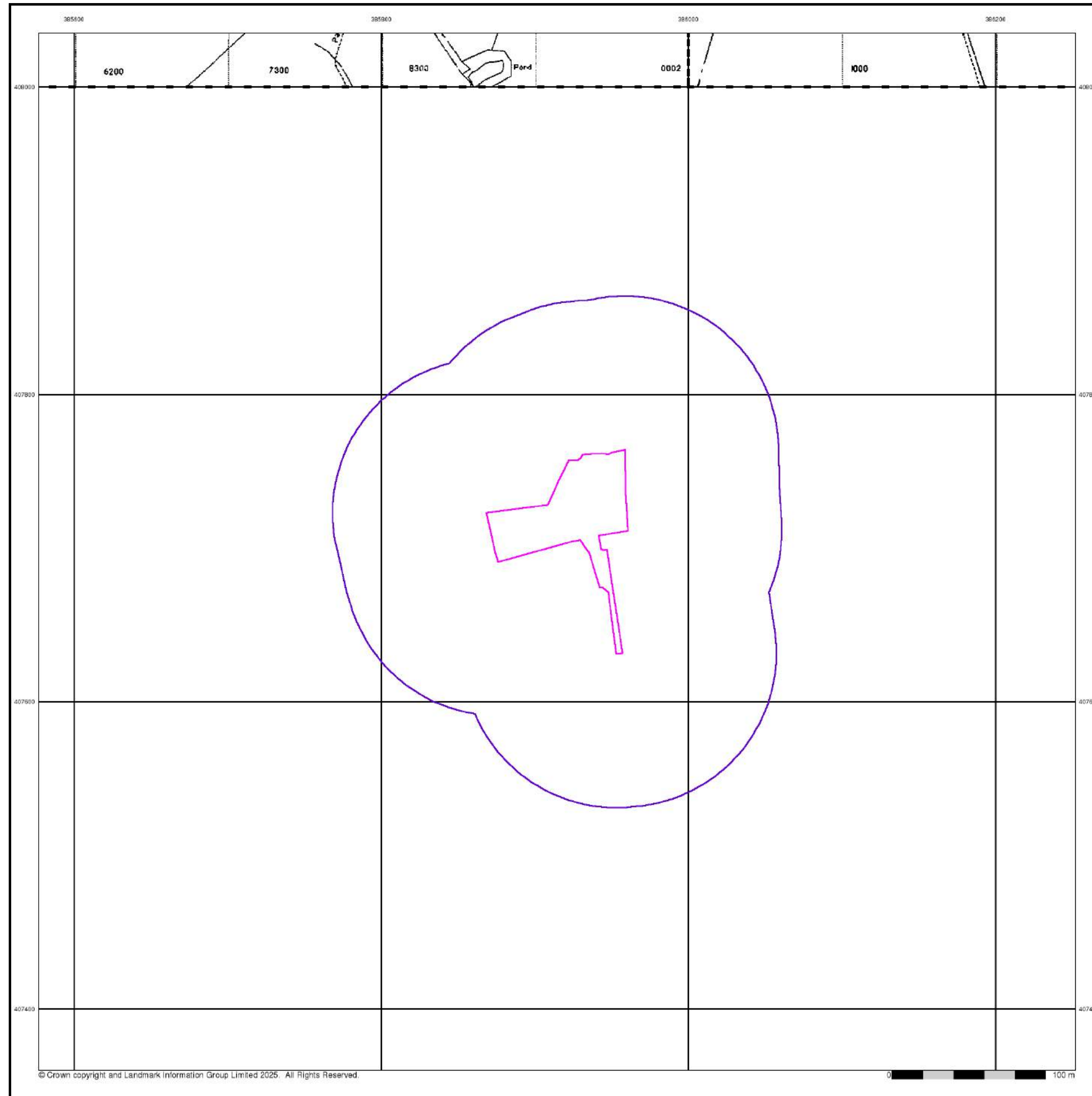
Order Number:	372354437_1_1
Customer Ref:	LKC251127
National Grid Reference:	385930, 407700
Slice:	A
Site Area (Ha):	0.42
Search Buffer (m):	100

Site Details
Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



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

A Landmark Information Group Service v50.0 18-Mar-2025 Page 13 of 21



LK CONSULT

Large-Scale National Grid Data

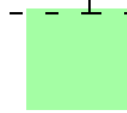
Published 1992

Source map scale - 1:2,500

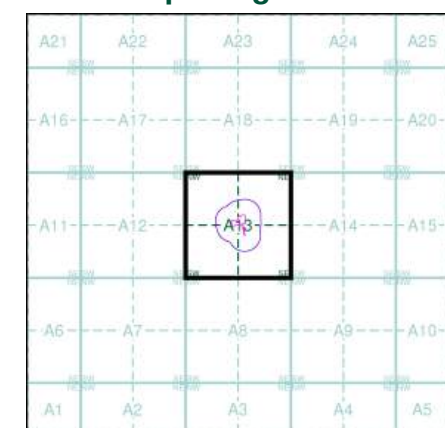
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

SD8508 1992 1:2,500	SD8608 1992 1:2,500
---------------------------	---------------------------



Historical Map - Segment A13



Order Details

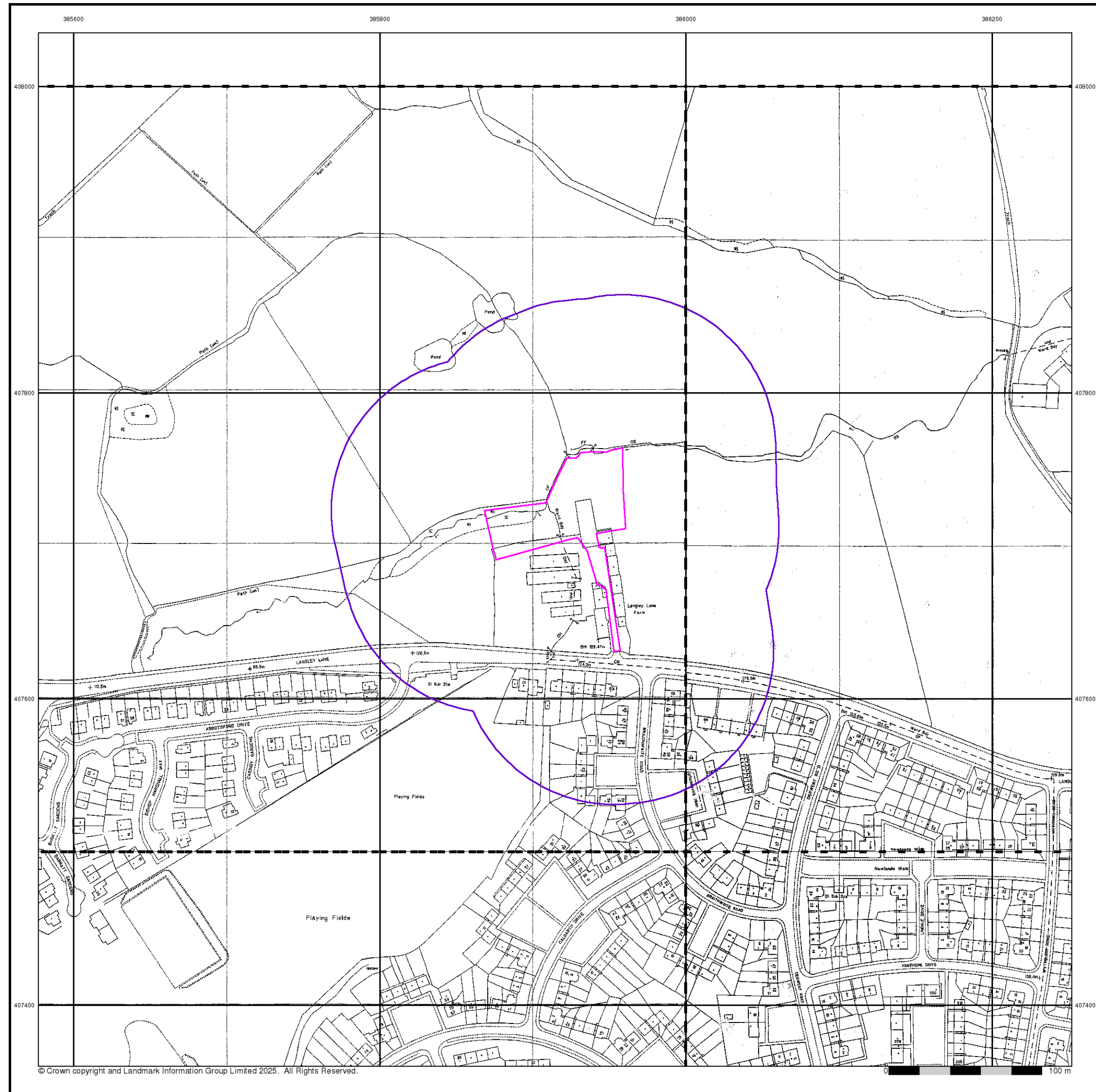
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



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



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.



LK CONSULT

Large-Scale National Grid Data

Published 1992

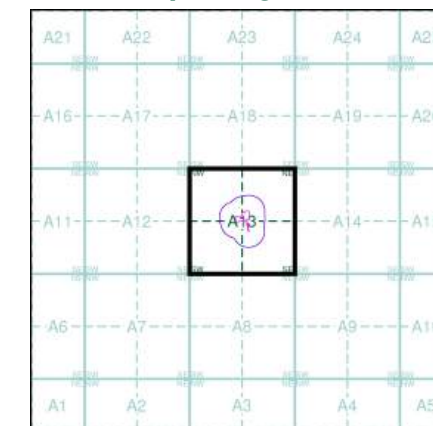
Source map scale - 1:1,250

'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)

SD8507NE 1992 1:1,250	SD8607NW 1992 1:1,250
SD8507SE 1992 1:1,250	SD8607SW 1992 1:1,250

Historical Map - Segment A13



Order Details

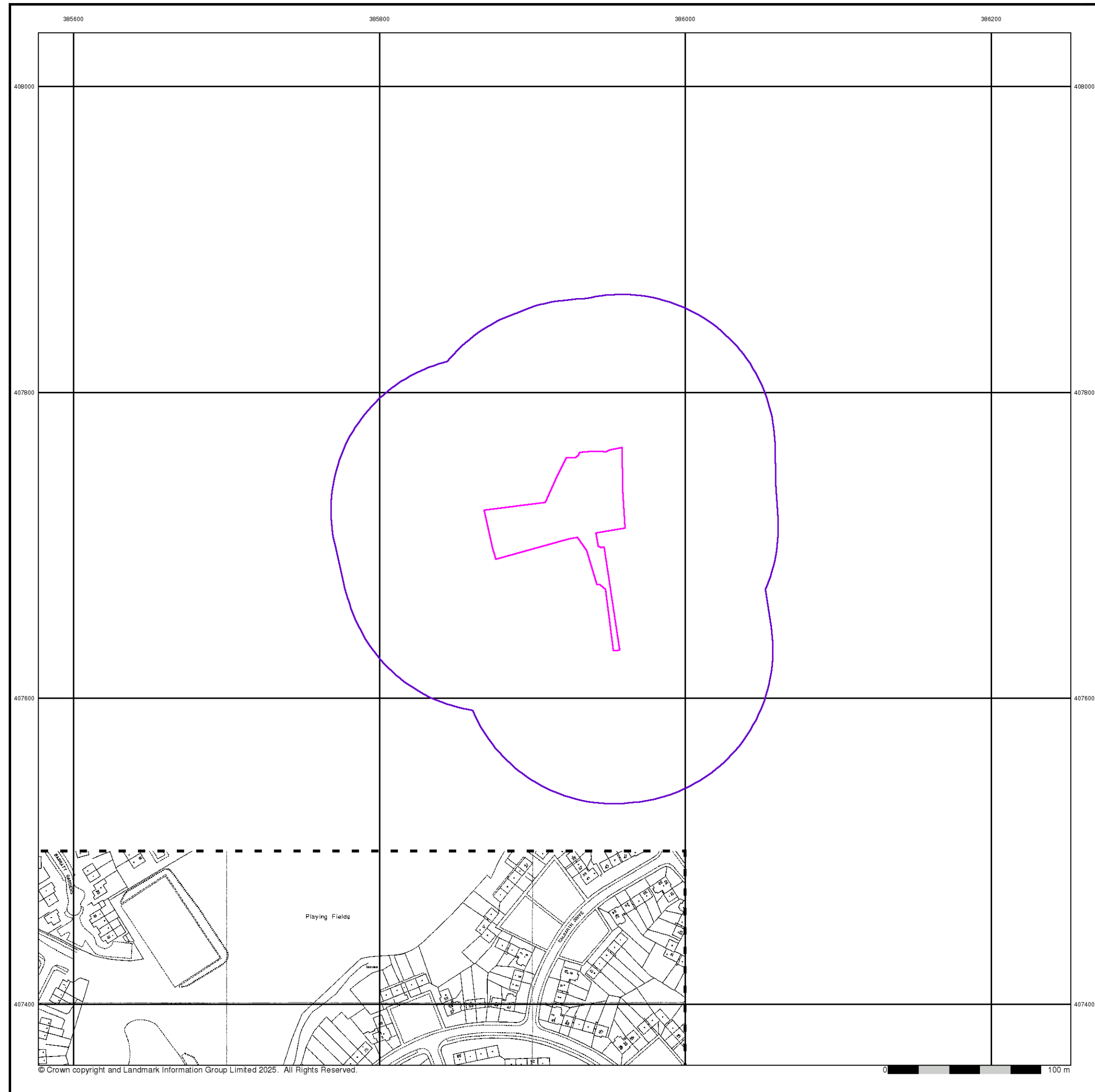
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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





LK CONSULT

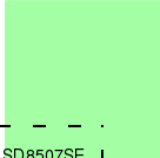
Large-Scale National Grid Data

Published 1993

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)

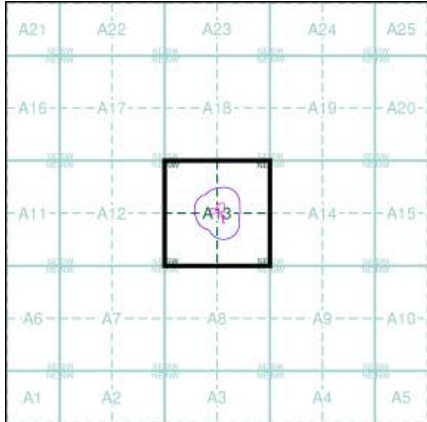


SD8507SE

1993

1:1,250

Historical Map - Segment A13



Order Details

Order Number:	372354437_1_1
Customer Ref:	LKC251127
National Grid Reference:	385930, 407700
Slice:	A
Site Area (Ha):	0.42
Search Buffer (m):	100

Site Details

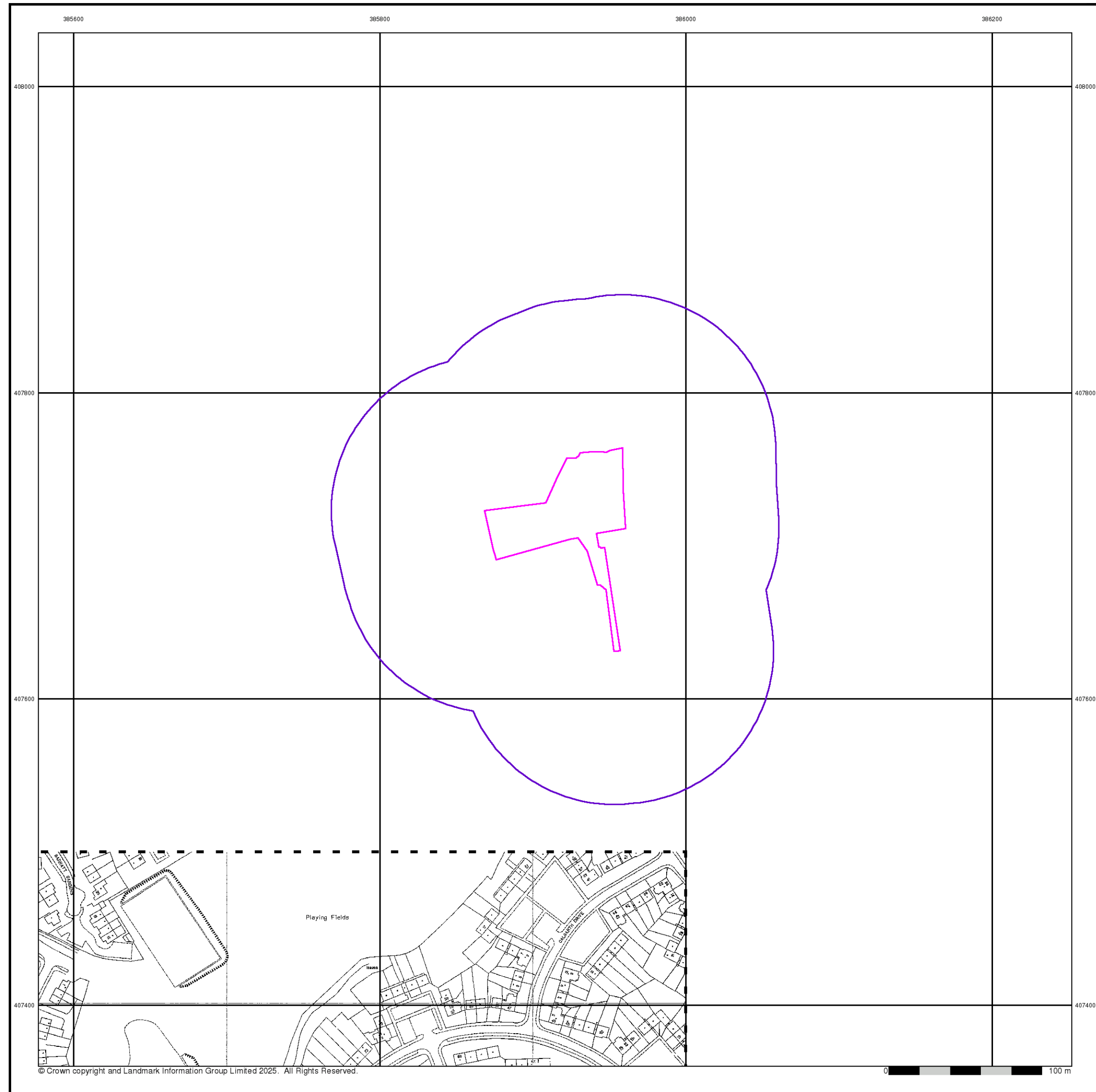
Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



Landmark
INFORMATION GROUP

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

A Landmark Information Group Service v50.0 18-Mar-2025 Page 16 of 21





LK CONSULT

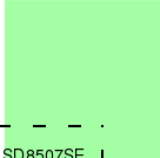
Large-Scale National Grid Data

Published 1994

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)

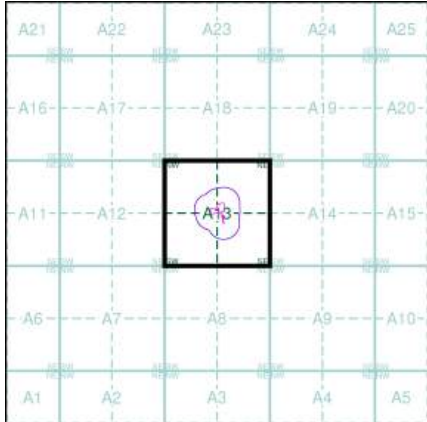


SD8507SE

1994

1:1,250

Historical Map - Segment A13



Order Details

Order Number:	372354437_1_1
Customer Ref:	LKC251127
National Grid Reference:	385930, 407700
Slice:	A
Site Area (Ha):	0.42
Search Buffer (m):	100

Site Details

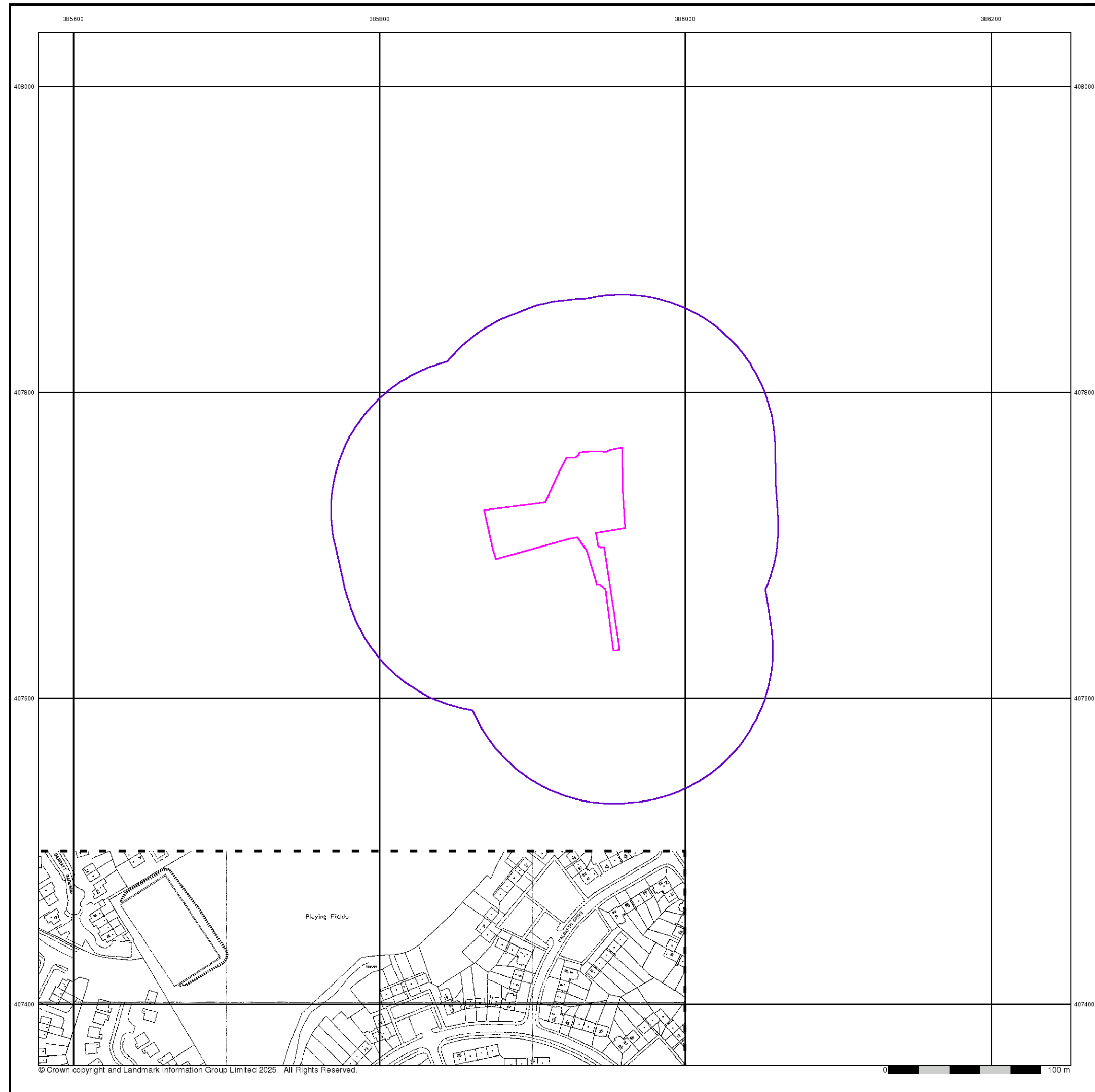
Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



Landmark
INFORMATION GROUP

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

A Landmark Information Group Service v50.0 18-Mar-2025 Page 17 of 21





LK CONSULT

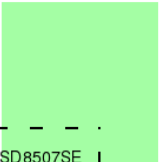
Large-Scale National Grid Data

Published 1995

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)

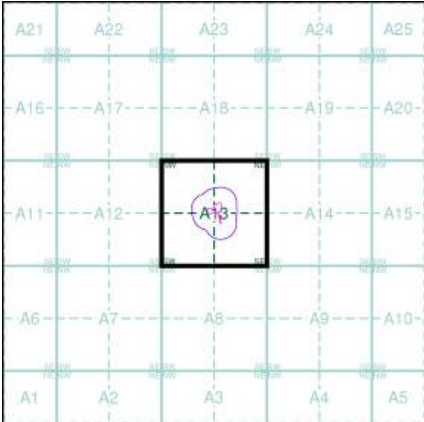


SD8507SE

1995

1:1,250

Historical Map - Segment A13



Order Details

Order Number:	372354437_1_1
Customer Ref:	LKC251127
National Grid Reference:	385930, 407700
Slice:	A
Site Area (Ha):	0.42
Search Buffer (m):	100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



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

A Landmark Information Group Service v50.0 18-Mar-2025 Page 18 of 21



LK CONSULT

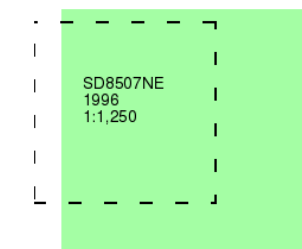
Large-Scale National Grid Data

Published 1996

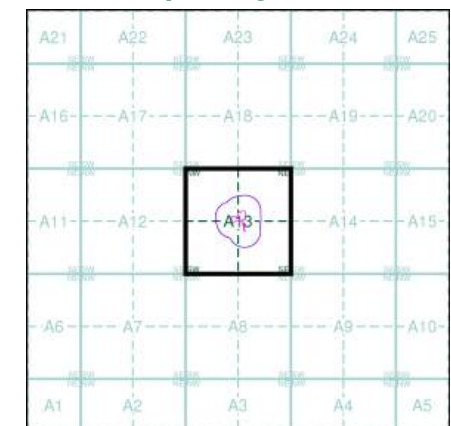
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

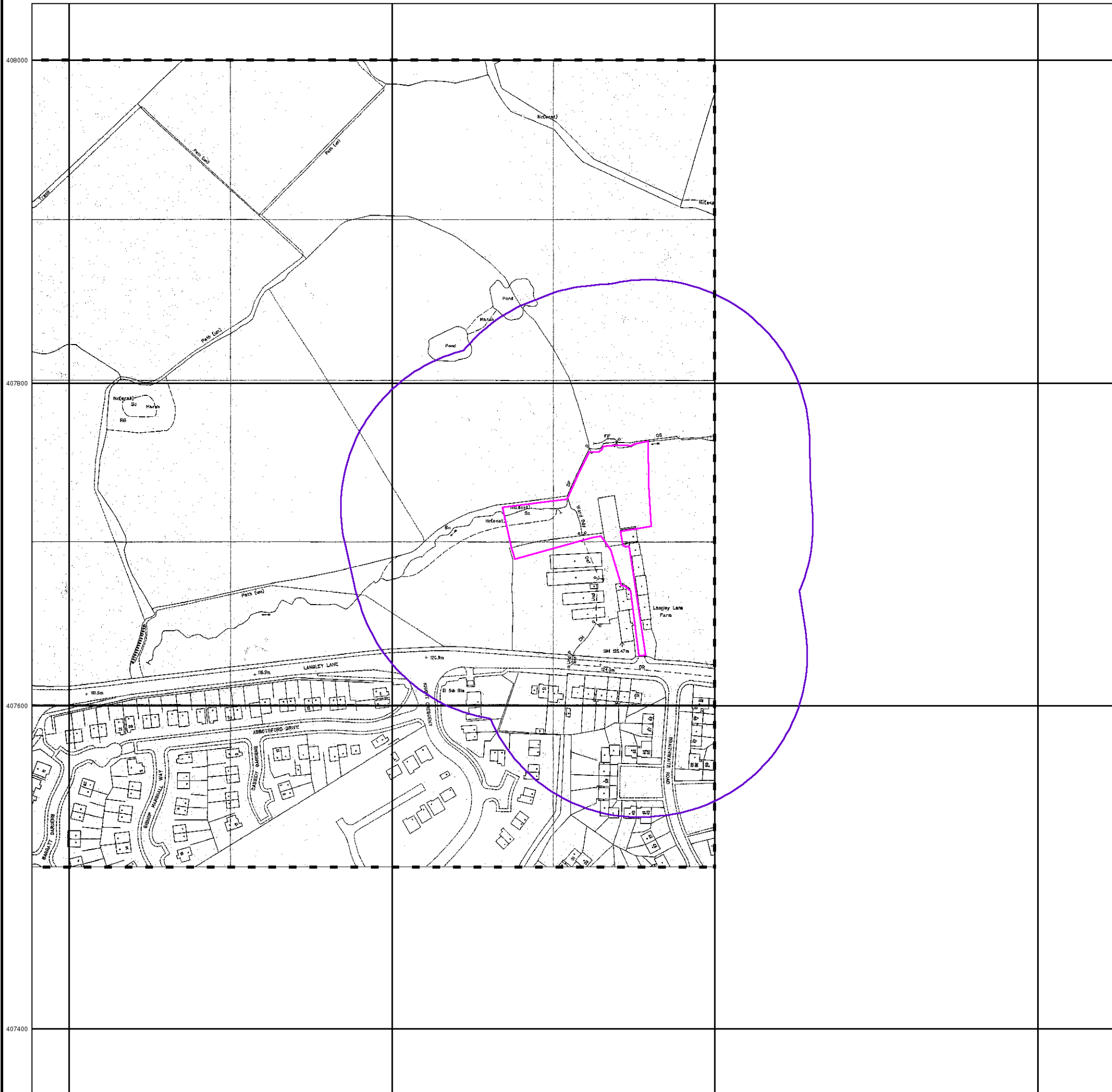
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



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





LK CONSULT

Large-Scale National Grid Data

Published 1996

Source map scale - 1:1,250

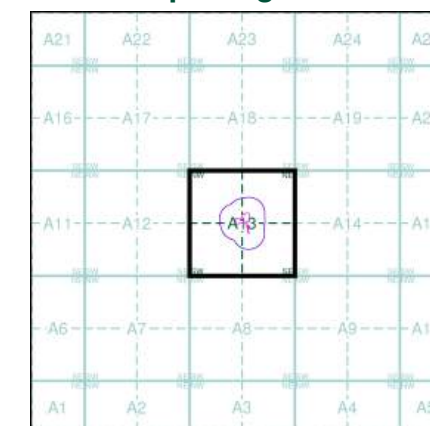
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)



SD8507SE
1996
1:1,250

Historical Map - Segment A13



Order Details

Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



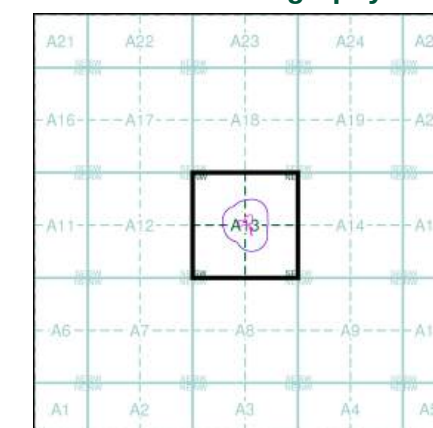
LK CONSULT

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: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 100

Site Details

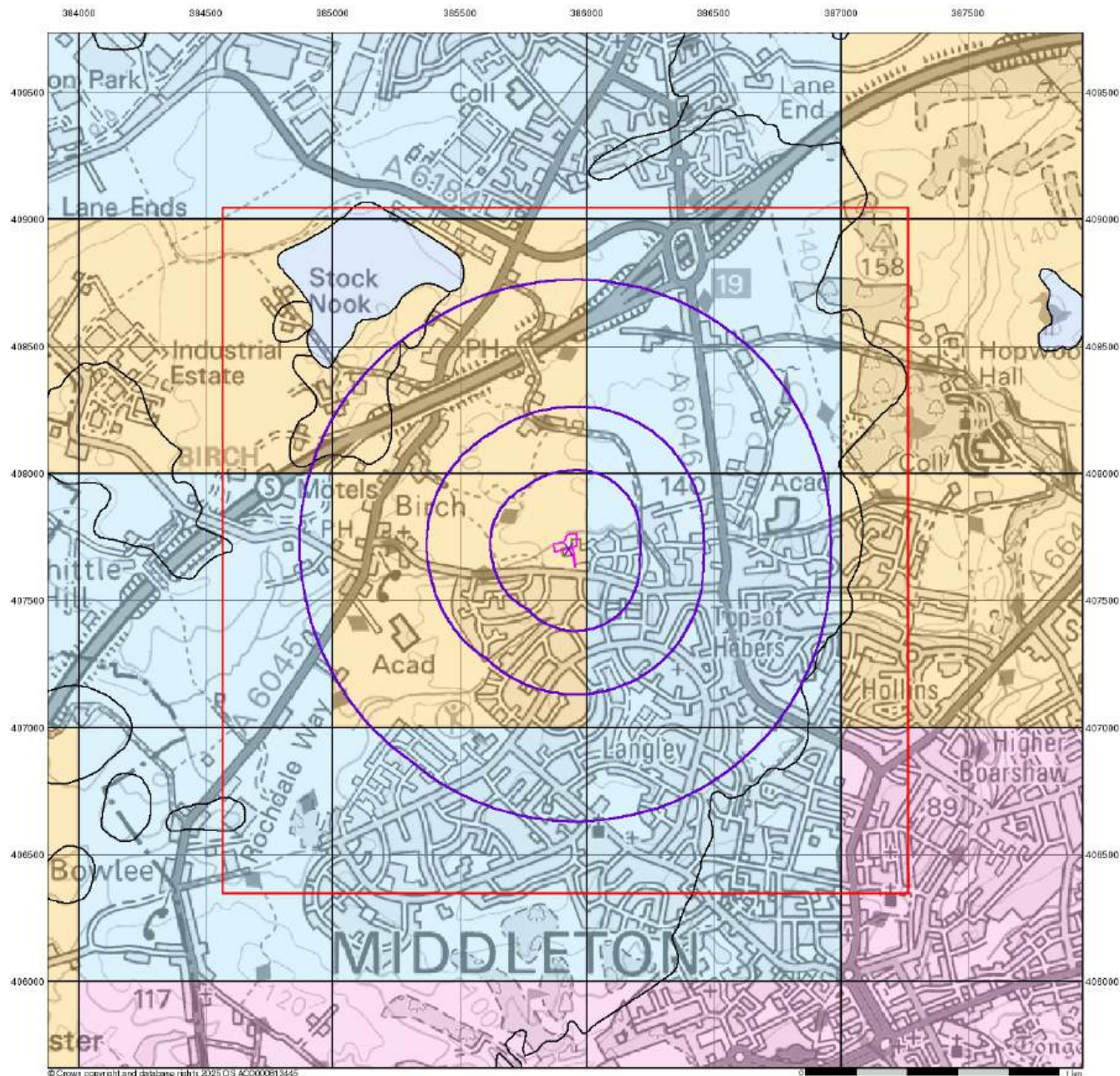
Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



Appendix B – Envirocheck Report



© Crown copyright and database rights 2025 OS A20000813445



LK CONSULT

Groundwater Vulnerability

General

- ✕ Specified Site ○ Specified Buffer(s) ✕ Bearing Reference Point
- Slice 8 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

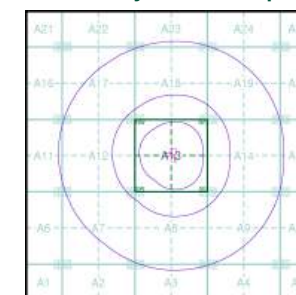
Superficial Aquifers

- 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

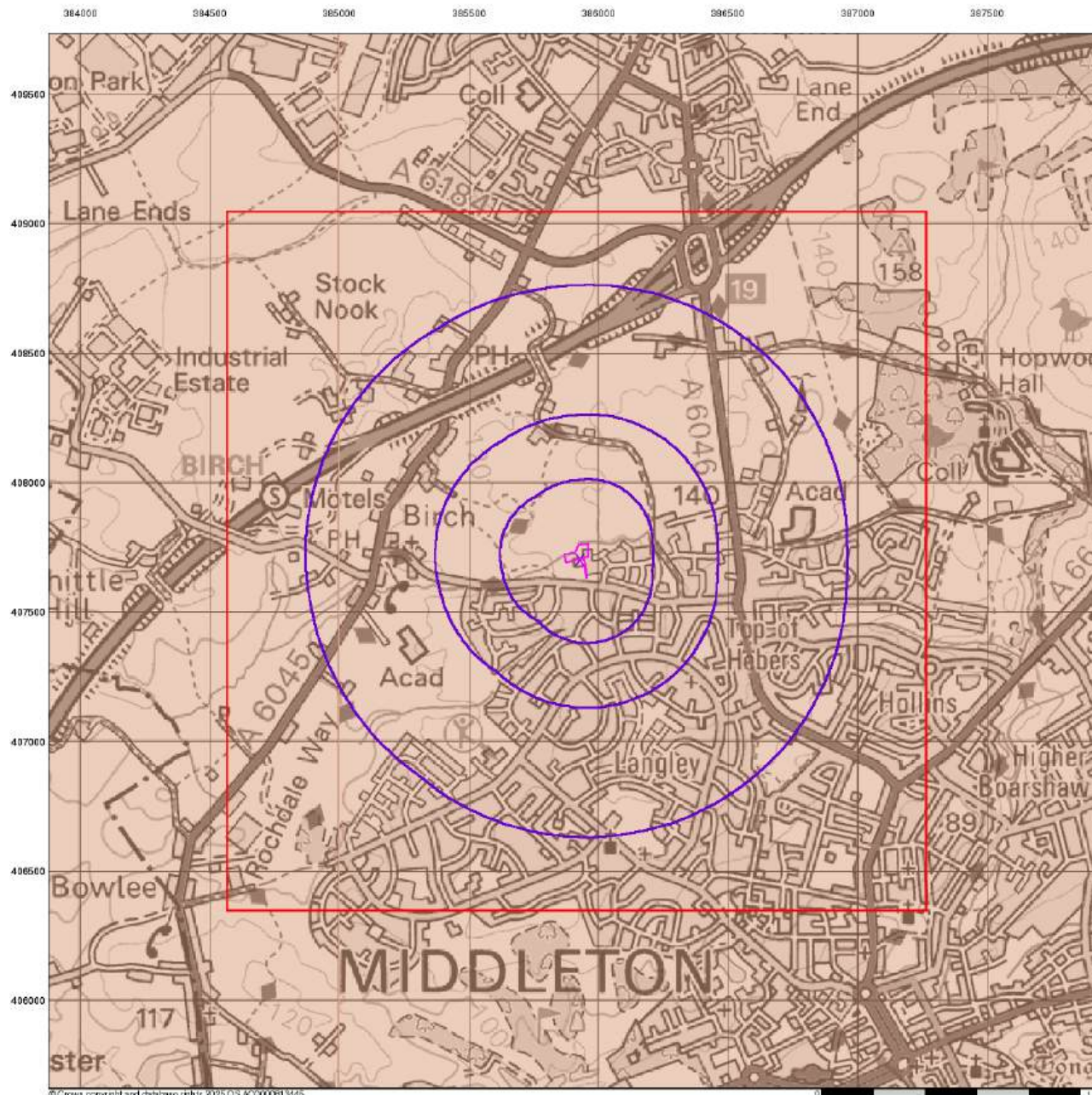
Order Number: 372354437_1_1
 Customer Ref: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
 INFORMATION GROUP

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



© Crown copyright and database rights 2025 OS AC0000613445



LK CONSULT

Bedrock Aquifer Designation

General

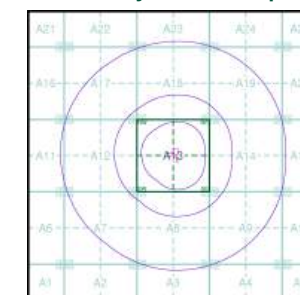
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

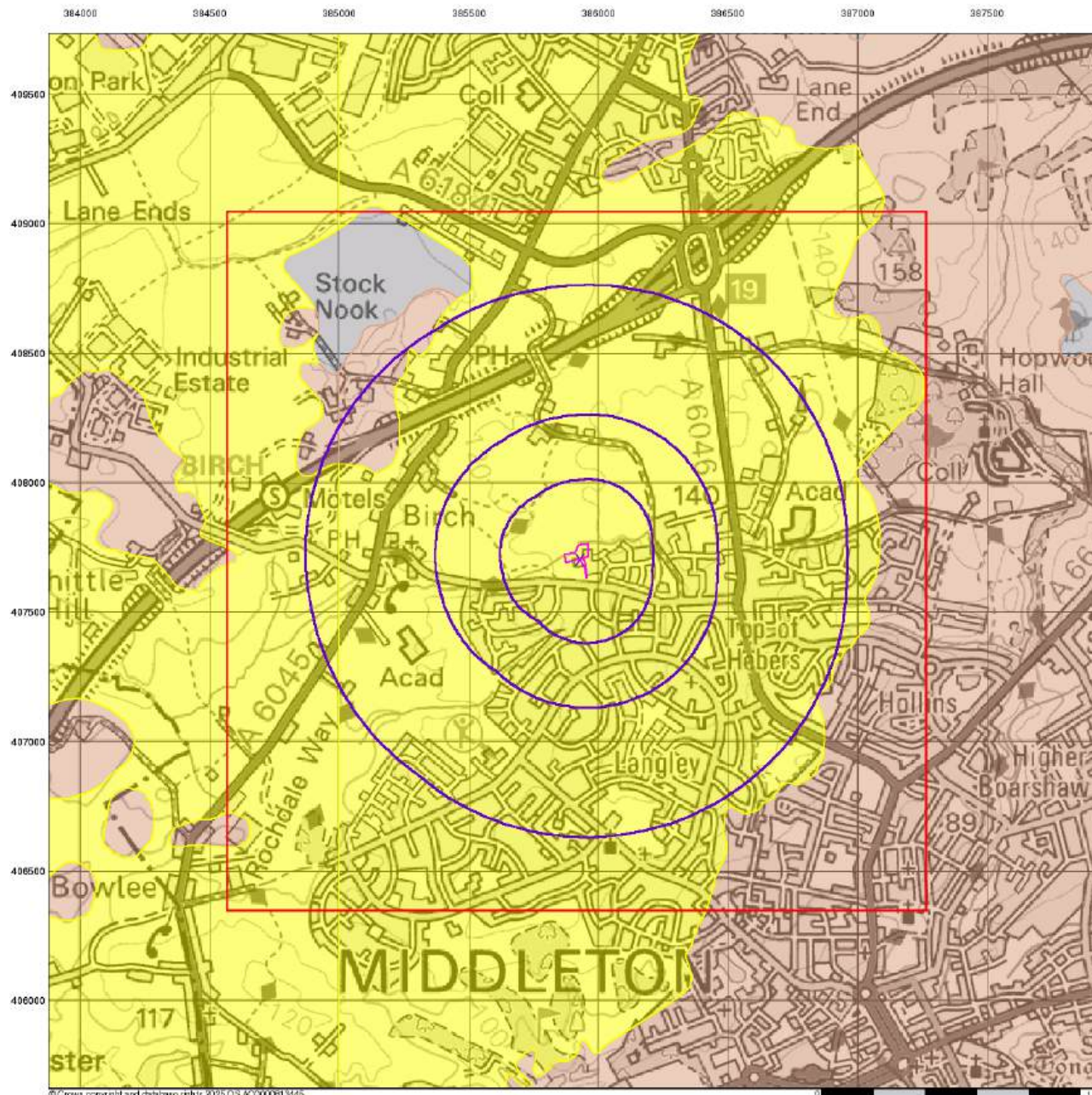
Order Number: 372354437_1_1
 Customer Ref: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
 INFORMATION GROUP

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



© Crown copyright and database rights 2025 OS AC0000613445

Superficial Aquifer Designation

General

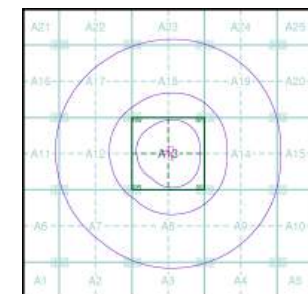
- ✕ Specified Site ○ Specified Buffer(s) ✕ Bearing Reference Point
- Slice B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

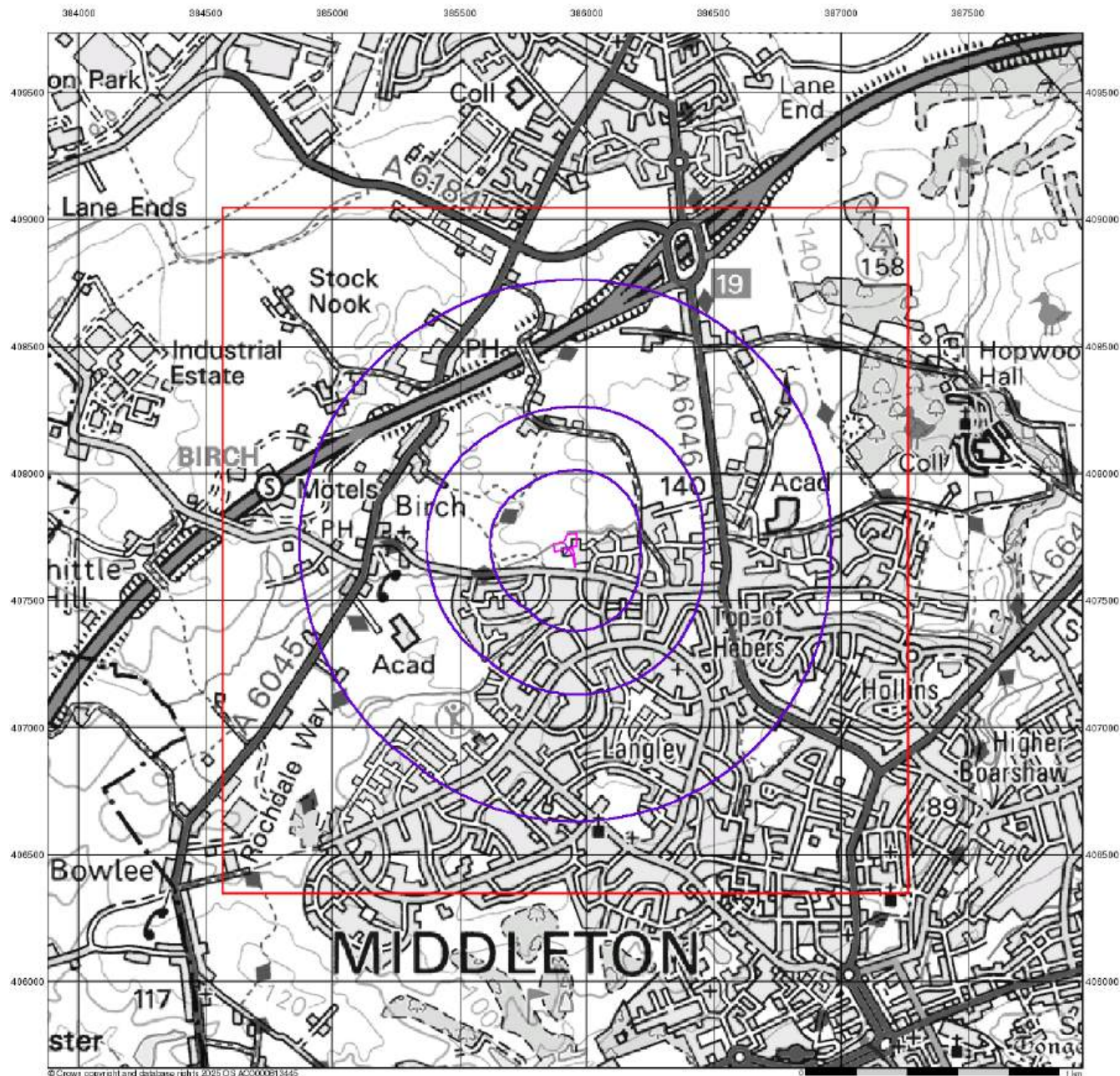


Order Details

Order Number: 372354437_1_1
 Customer Ref: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



© Crown copyright and database rights 2025 OS AC0000613445



LK CONSULT

Source Protection Zones

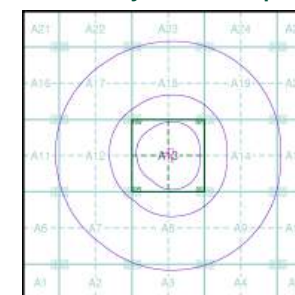
General

- ✱ Specified Site ○ Specified Buffer(s) ✕ Bearing Reference Point
- Slice B Map ID

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

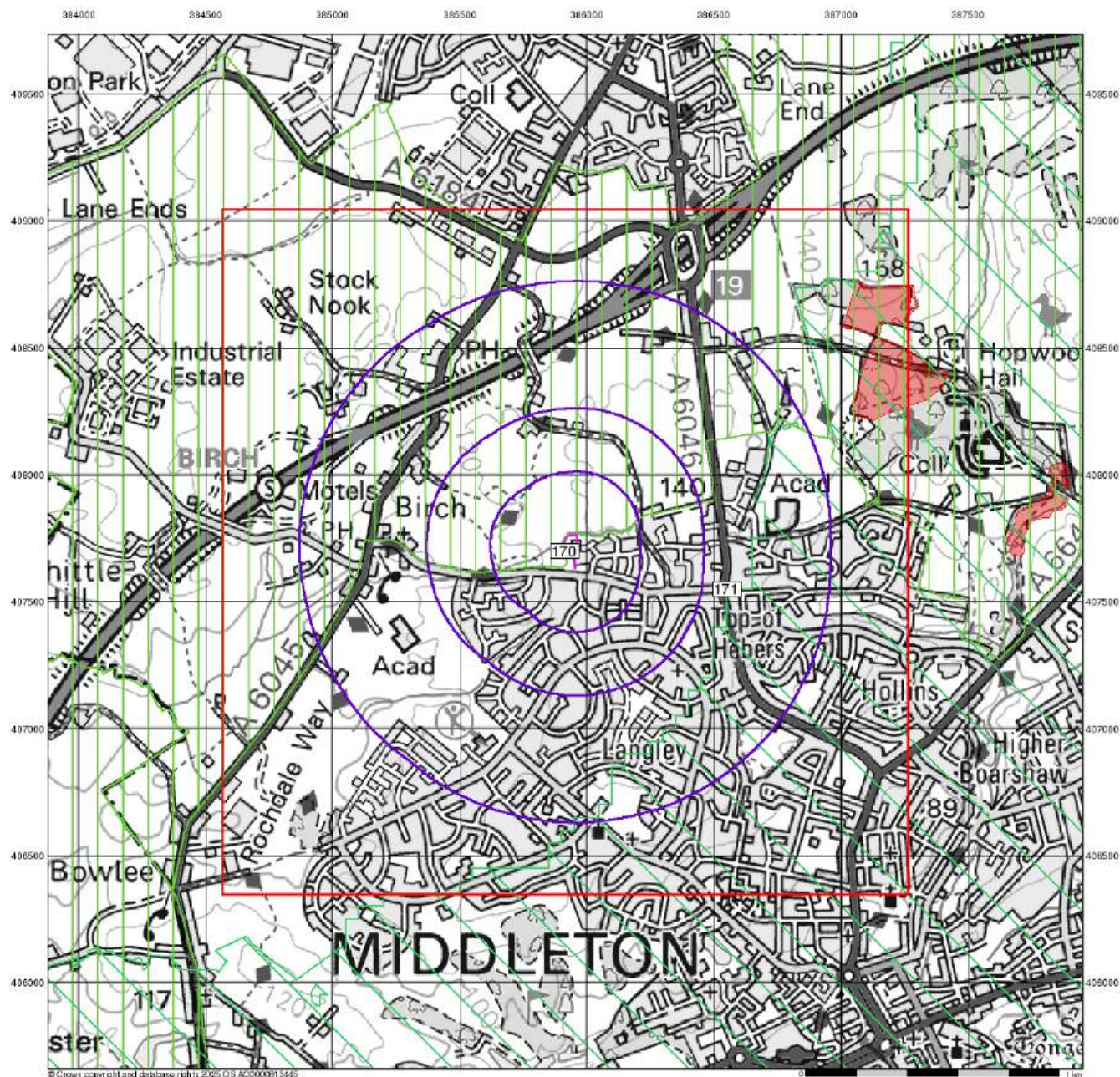
Order Number: 372354437_1_1
 Customer Ref: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
 INFORMATION GROUP

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



© Crown copyright and database rights 2025 OS A00000013445



LK CONSULT

Sensitive Land Uses

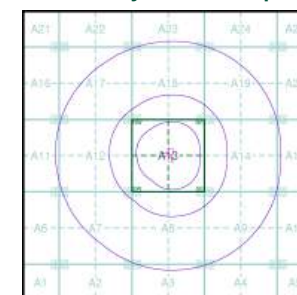
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

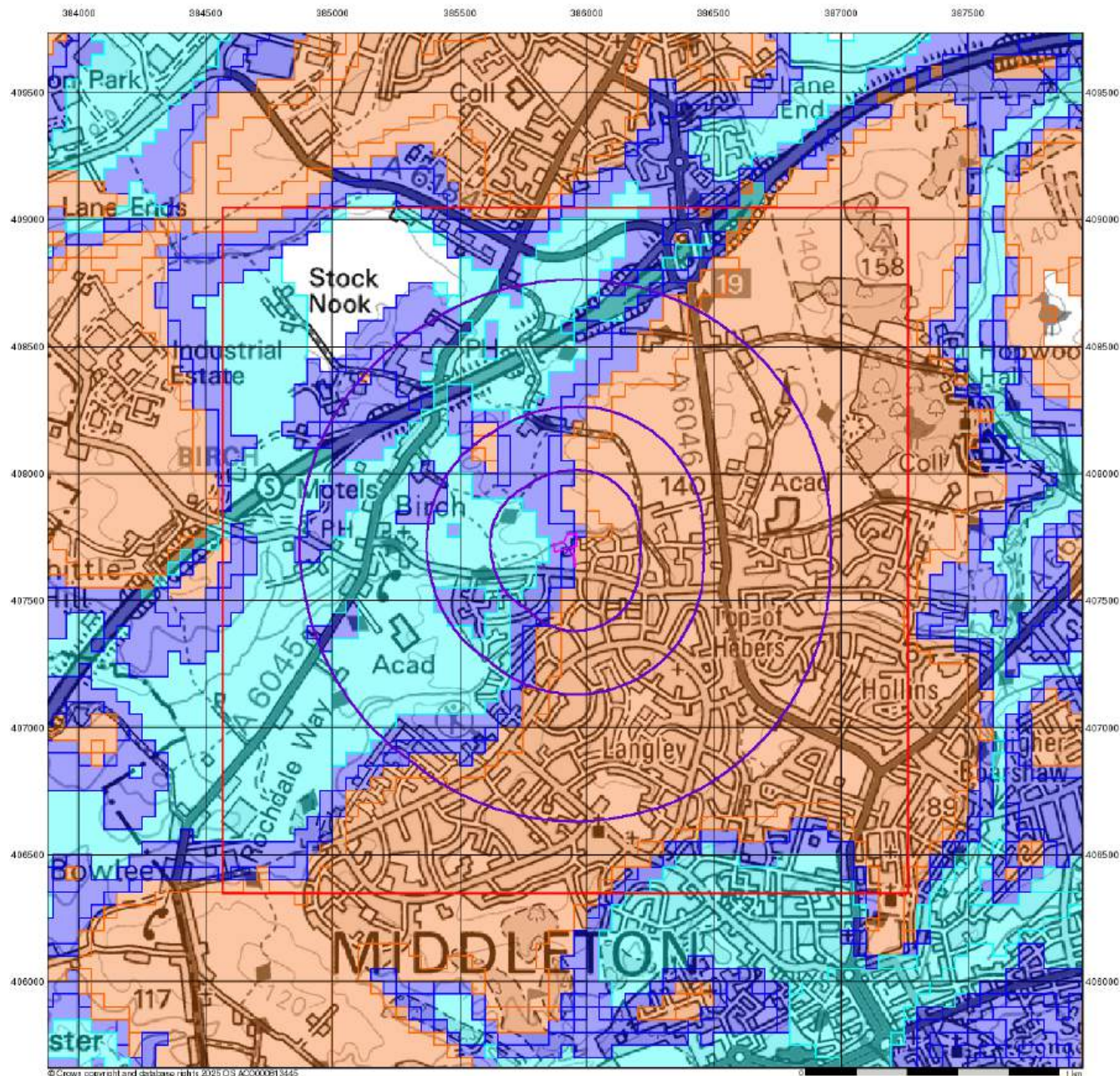
Order Number: 372354437_1_1
 Customer Ref: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
 INFORMATION GROUP

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



LK CONSULT

BGS Flood GFS Data

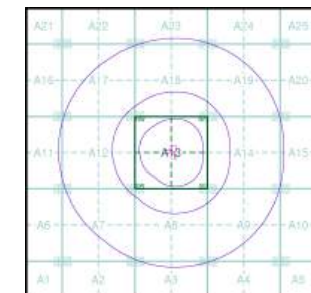
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 372354437_1_1
 Customer Ref: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
 INFORMATION GROUP

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

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

372354437_1_1

Customer Reference:

LKC251127

National Grid Reference:

385930, 407700

Slice:

A

Site Area (Ha):

0.42

Search Buffer (m):

1000

Site Details:

Langley Lane
Langley Lane Farm
Middleton
M24 5LJ

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	17
Hazardous Substances	-
Geological	20
Industrial Land Use	24
Sensitive Land Use	31
Data Currency	32
Data Suppliers	37
Useful Contacts	38

Introduction

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

Copyright Notice

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

Natural England Copyright Notice

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

Scottish Natural Heritage Copyright

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

Ove Arup Copyright Notice

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

Stantec Copyright Notice

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

Radon Potential dataset Copyright Notice

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

Natural Resources Wales Copyright Notice

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

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2			1	18
Prosecutions	pg 6				3
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 7	Yes			
Pollution Incidents to Controlled Waters	pg 7				5
Historical Prosecutions					
Registered Radioactive Substances					
Substantiated Pollution Incident Register	pg 7				2
Water Abstractions	pg 8			1	(*3)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 9	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 9	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 9	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 9	4	5	3	45
Water Framework Directive - Catchment	pg 15	Yes		Yes	Yes
Water Framework Directive - Groundwater	pg 16	Yes			
Water Framework Directive - Surface Waters					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 17				1
Local Authority Landfill Coverage	pg 17	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 17		3	1	1
Potentially Infilled Land (Water)	pg 17		5	8	20
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 20	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 20	Yes			Yes
BGS Recorded Mineral Sites	pg 21		2	2	4
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 22	Yes	n/a	n/a	n/a
Mining Instability	pg 23	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 23	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 23	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 23	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 23	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 24		1	7	30
Fuel Station Entries	pg 27				1
Points of Interest - Commercial Services	pg 27			1	14
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 28		2	2	5
Points of Interest - Public Infrastructure	pg 29				3
Points of Interest - Recreational and Environmental	pg 29			2	11
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 31	1			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 31				1
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: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (S)	0	1	385928 407700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	0	1	385950 407750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	0	1	385950 407701
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (SW)	0	1	385928 407701
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	19	1	385850 407701
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	36	1	386000 407750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	37	1	385928 407800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	40	1	386000 407701
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	97	1	385900 407550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	189	1	385900 407450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	209	1	385850 407450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	226	1	385700 407550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	278	1	385800 407400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	283	1	385700 407950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	297	1	385650 407500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	353	1	385650 408000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	370	1	385500 407750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	387	1	385928 408150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	394	1	385650 408050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	423	1	385600 408050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	438	1	385450 407850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	478	1	385650 408150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	494	1	385550 408100
1	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Langley Hall Farm, Langley Lane, Middleton, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016992225 Permit Version: 1 Effective Date: 1st October 1990 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Langley Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A13SW (W)	291	2	385600 407600
2	Discharge Consents Operator: Mr Fletcher Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Siddall Fold Farm, Manchester Rd, Heywood, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016992271 Permit Version: 1 Effective Date: 10th June 1991 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Whittle Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A18SW (N)	522	2	385750 408250
3	Discharge Consents Operator: Clarke, Mallinson, Robson, Hammond, Lockett Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 759/763 Heywood Old Road Stp, Middleton, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990360 Permit Version: 1 Effective Date: 5th May 1982 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Whittle Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12NE (W)	659	2	385250 407950
4	Discharge Consents Operator: Mr John Pye Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 614 Heywood Old Rd, Birch, Heywood, Lancashire, OL10 2qn Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0168/934 Permit Version: 1 Effective Date: 30th October 1968 Issued Date: 30th October 1968 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Whittle Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A12SW (W)	723	2	385150 407650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Colin Skinner Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 600, 602,604,606 Heywood Old Rd, Middleton, Manchester, M24 4gs Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 0174/2101 Permit Version: 1 Effective Date: 1st February 1974 Issued Date: 1st February 1974 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Whittle Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12SW (W)	729	2	385150 407600
5	Discharge Consents Operator: Rochdale Metropolitan Borough Council Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: 640-652 Heywood Old Road, Birch, Rochdale, Greater Manchester, OL10 2qh Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993271 Permit Version: 1 Effective Date: 3rd July 1998 Issued Date: 3rd July 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Whittle Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A12NW (W)	731	2	385140 407780
5	Discharge Consents Operator: St Mary'S Church Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: St Mary'S Church Langley Lane, Birch-In-Hopwood, Middleton, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991065 Permit Version: 1 Effective Date: 20th December 1985 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Whittle Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12NW (W)	772	2	385100 407795
6	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Doctor Fold Stw, Birch, Heywood, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982224 Permit Version: 1 Effective Date: 10th October 1990 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Whittle Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	760	2	385470 408370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: J D A Purcon & L G Purcon Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: 365 Manchester Rd Stp, 365 Manchester Road, Heywood, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993168 Permit Version: 1 Effective Date: 10th June 1997 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Whittle Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	793	2	385480 408415
7	Discharge Consents Operator: G.F. Gilbody Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 622 & 624 Heywood Road, Middleton, Manchester, O110 2ql Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 0171/1339 Permit Version: 1 Effective Date: 25th January 1971 Issued Date: 25th January 1971 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Whittle Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A12NW (W)	769	2	385100 407701
7	Discharge Consents Operator: Mr. I. Maddocks Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 622 & 624 Heywood Road, Middleton, Manchester, O110 2ql Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0171/1339 Permit Version: 1 Effective Date: 25th January 1971 Issued Date: 25th January 1971 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Whittle Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A12NW (W)	769	2	385100 407701
7	Discharge Consents Operator: Mitchells & Butlers Retail Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: White Hart Hotel 701 Heywood Old Road, Birch, Heywood, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991441 Permit Version: 1 Effective Date: 11th August 1989 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Whittle Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12NW (W)	769	2	385100 407700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Courtesy World Ltd Property Type: HOLIDAY ACCOM/CAMP SITE/CARAVAN SITE/HOTEL/HOSTEL Location: Birch Hotel, Manchester Road, Heywood, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 0172/1689 Permit Version: 1 Effective Date: 6th March 1972 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Whittle Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A18NW (NW)	773	2	385580 408450
9	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Middleton Rd Ps, Heywood, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982942 Permit Version: 2 Effective Date: 17th December 2013 Issued Date: 14th August 2013 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Whittle Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	788	2	385760 408530
9	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Middleton Rd Ps, Heywood, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982942 Permit Version: 2 Effective Date: 17th December 2013 Issued Date: 14th August 2013 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Whittle Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	788	2	385760 408530
10	Discharge Consents Operator: Unknown Operator Property Type: Not Given Location: 365 Manchester Road, HEYWOOD , Lancashire , OL10 2NP Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993168-01 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Treatment Works - Final Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Treated Sewage Effluent; Outlet To Watercourse; Whittle Brook Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	797	2	385480 408420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Middleton Rd Ps, Heywood, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982942 Permit Version: 1 Effective Date: 17th November 1995 Issued Date: Not Supplied Revocation Date: 16th December 2013 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Whittle Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A18NW (N)	807	2	385820 408560
12	Discharge Consents Operator: Mr Ronald Fitton Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 588 Heywood Old Rd, Birch, Heywood, Lancashire, OL10 2qn Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0169/1134 Permit Version: 1 Effective Date: 14th November 1969 Issued Date: 14th November 1969 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Whittle Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A12SW (W)	828	2	385064 407528
13	Discharge Consents Operator: Ernest Scholes Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Hatters Farm, Stott Lane, Middleton, Manchester, M24 6xl Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0168/940 Permit Version: 1 Effective Date: 22nd October 1968 Issued Date: 22nd October 1968 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trub Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	931	2	386764 408229
14	Prosecutions Location: Whittle Brook, Birch Hotel, Manchester Road, Birch, Rochdale, Lancashire OL10 2qd Prosecution Text: Not Supplied Prosecution Act: WATER RESOURCES ACT 1991, SECTION 85 (6) Hearing Date: 14th September 2005 Verdict: Guilty Fine: 1500 Cost: Not Supplied Positional Accuracy: Automatically positioned to the address	A17NE (NW)	848	2	385477 408478
14	Prosecutions Location: Whittle Brook, Birch Hotel Birch, Rochdale,, Lancashire Prosecution Text: Not Supplied Prosecution Act: WATER RESOURCES ACT 1991, SECTION 85 (6) Hearing Date: 12th September 2002 Verdict: Not Supplied Fine: Not Supplied Cost: Not Supplied Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	848	2	385477 408478
14	Prosecutions Location: Whittle Brook, Birch Hotel Birch, Rochdale,, Lancashire Prosecution Text: Not Supplied Prosecution Act: WATER RESOURCES ACT 1991, SECTION 85 (6) Hearing Date: 12th August 2002 Verdict: Not Supplied Fine: Not Supplied Cost: Not Supplied Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	848	2	385477 408478

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	A13NW (NW)	0	-	385911 407721
15	Pollution Incidents to Controlled Waters Property Type: Water Treatment & Distribution: Other Location: Bowleys Stream, Martindale Crescent, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Organic Chemicals : Diesel Fuels Note: Not Supplied Incident Date: 29th July 1999 Incident Reference: 30763 Catchment Area: Roch Receiving Water: River Stretch (Freshwater) Cause of Incident: Other Cause Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	638	2	385600 407100
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Whittle Bk Incident Date: 30th July 1995 Incident Reference: 95621899 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	669	2	385200 407700
17	Pollution Incidents to Controlled Waters Property Type: Private Sewage: Sewage Works And Septic Tanks Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage - Septic Tank Effluent Note: Whittle Bk Incident Date: 19th June 1995 Incident Reference: 95621459 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Low Flow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	773	2	385100 407800
18	Pollution Incidents to Controlled Waters Property Type: Stables Location: Haywood Old Road Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Horse manure (solid) Note: Muck From Muck Heap Incident Date: 8th December 1998 Incident Reference: SO982137 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Leaking Field Heap Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	871	2	385700 408600
19	Pollution Incidents to Controlled Waters Property Type: Cattle (Dairy) Farming: Other Location: Yew Tree Farm, Oakenbank Road, MIDDLETON Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Fire water / Foam Note: Whittle Brook; Fire Water Incident Date: 17th October 1997 Incident Reference: 97621811 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	914	2	386500 408500
20	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 19th May 2006 Incident Reference: 400480 Water Impact: Category 4 - No Impact 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)	522	2	386401 407357

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 15th February 2020 Incident Reference: 1781845 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material	A17SE (NW)	798	2	385287 408269
22	Water Abstractions Operator: Mr Fletcher Licence Number: 2569002247 Permit Version: 100 Location: Borehole At Siddall Fold Farm, Birch Authority: Environment Agency, North West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 5 Yearly Rate (m3): 236 Details: Lic. Holders Prem'S-Siddall Fold Fm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th June 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SW (N)	440	2	385900 408200
	Water Abstractions Operator: The New North Manchester Golf Club Ltd Licence Number: 2569005055 Permit Version: 101 Location: Reservoir Fed By Surface Drainage At North Manchester Golf C Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: North Manchester Golf Course Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1932	2	385900 405700
	Water Abstractions Operator: North Manchester Golf Club Licence Number: 2569005055 Permit Version: 100 Location: Reservoir Fed By Surface Drainage At North Manchester Golf Club Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 45 Yearly Rate (m3): 2273 Details: North Manchester Golf Course Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 21st February 1977 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1932	2	385900 405700
	Water Abstractions Operator: The Manchester Golf Club Ltd Licence Number: 2569005053 Permit Version: 100 Location: Trub Brk At Rochdale Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Manchester Golf Club Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SE (NE)	1997	2	387600 408900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13NE (SW)	0	2	385928 407701
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (SW)	0	3	385928 407701
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (SW)	0	3	385928 407701
	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				
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	0	4	385909 407725
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (N)	0	4	385940 407758
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 324.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	0	4	385908 407722
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	0	4	385911 407721

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 278.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	28	4	385986 407764
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: False Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	28	4	385986 407764
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	31	4	385993 407757
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.0 Watercourse Level: On ground surface Permanent: False Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	43	4	386004 407742
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 158.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (W)	237	4	385649 407625
32	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	393	4	385492 407610
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 118.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Langley Brook Catchment Name: Mersey Primacy: 1	A8NW (SW)	395	4	385700 407329
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 426.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	398	4	385487 407608
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.0 Watercourse Level: Underground Permanent: True Watercourse Name: Langley Brook Catchment Name: Mersey Primacy: 1	A8NW (SW)	506	4	385616 407254

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Langley Brook Catchment Name: Mersey Primacy: 1	A8NW (SW)	563	4	385599 407194
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 240.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	568	4	386089 408316
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (NW)	572	4	385384 408026
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	609	4	385953 408373
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	609	4	385973 408373
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 425.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A17SE (NW)	626	4	385492 408223
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A18SW (NW)	643	4	385600 408313
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 220.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A18SW (NW)	655	4	385598 408326
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	659	4	385531 407126

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Langley Brook Catchment Name: Mersey Primacy: 1	A7NE (SW)	659	4	385531 407126
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	660	4	385533 407123
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	663	4	385534 407119
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 279.4 Watercourse Level: Underground Permanent: True Watercourse Name: Langley Brook Catchment Name: Mersey Primacy: 1	A7NE (SW)	667	4	385498 407142
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A12NE (NW)	674	4	385263 408020
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A12NE (W)	679	4	385241 407981
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	702	4	386152 408438
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 270.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	703	4	385877 408462
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	705	4	386151 408442

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	707	4	385186 407907
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.5 Watercourse Level: Underground Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A12NW (W)	707	4	385186 407907
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	708	4	385863 408465
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A12NW (W)	727	4	385158 407874
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A12NW (W)	727	4	385148 407817
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	727	4	385148 407817
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A12NW (W)	727	4	385148 407817
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: Underground Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A12NW (W)	732	4	385151 407867
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.8 Watercourse Level: Underground Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A12NW (W)	734	4	385136 407766

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A12NW (W)	737	4	385133 407755
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.6 Watercourse Level: Underground Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A12NW (W)	739	4	385130 407745
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	740	4	385140 407592
66	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	749	4	385126 407823
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A18NW (N)	755	4	385744 408492
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 526.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A12SW (W)	797	4	385079 407615
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A18NW (N)	831	4	385825 408584
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A18NW (N)	868	4	385860 408626
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 143.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Langley Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	873	4	385220 407116

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 47.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A18NW (N)	878	4	385865 408637
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A18NW (N)	921	4	385875 408681
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 682.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	946	4	384971 408020
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Underground Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A23SW (N)	965	4	385894 408726
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whittle Brook Catchment Name: Mersey Primacy: 1	A23SW (N)	971	4	385892 408732
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 337.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SW (E)	982	4	386931 407515
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Langley Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	991	4	385114 407058
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Langley Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	996	4	385112 407054
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Whittle Brook (Irwell) WaterBody ID: GB112069061250 Operational: Roch Irk Medlock Catchment: Management: Irwell Catchment: Catchment Name: Irwell	A13NE (SW)	0	2	385928 407701

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Irk (Source to Wince Brook) WaterBody ID: GB112069061161 Operational: Roch Irk Medlock Catchment: Management: Irwell Catchment: Catchment Name: Irwell	A14SW (SE)	479	2	386400 407450
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Irk (Wince to Irwell) WaterBody ID: GB112069061131 Operational: Roch Irk Medlock Catchment: Management: Irwell Catchment: Catchment Name: Irwell	A3NE (S)	997	2	386060 406640
	Water Framework Directive - Groundwater Waterbody Name: Northern Manchester Carboniferous Aquifers Waterbody ID: GB41202G101800 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB41202G101800 Overall Rating: Poor Chemical Rating: Poor Quantitative: Good Measure: Year: 2019	A13NE (SW)	0	2	385928 407701

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	Licensed Waste Management Facilities (Locations) Licence Number: 402303 Location: Land Off Whittle Lane, Land Off Whittle Lane, Heywood, Lancashire, OL10 2QL Operator Name: P. CASEY ENVIRO LIMITED Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Use of waste in a deposit for recovery op Licence Status: Surrendered Issued: 3rd June 2015 Last Modified: 3rd June 2015 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	836	2	385034 407765
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		0	5	385928 407701
81	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13SE (SE)	98	-	386045 407589
82	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13NW (W)	203	-	385667 407747
83	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A13SW (SW)	209	-	385720 407554
84	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A14SW (SE)	478	-	386409 407477
85	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A8SE (S)	828	-	386086 406814
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A13SE (S)	26	-	385962 407607
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13SE (S)	98	-	385922 407537
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (S)	107	-	385914 407533
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A13SE (SE)	129	-	386078 407590
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (SE)	239	-	386182 407550
91	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13SE (S)	273	-	385989 407360
92	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (SE)	295	-	386154 407413
93	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NE (SE)	328	-	386111 407342
94	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SW (SW)	377	-	385603 407432

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (SE)	377	-	386317 407522
96	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SE (SW)	415	-	385538 407450
97	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NE (SE)	437	-	386251 407308
98	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (SE)	451	-	386372 407456
99	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (S)	502	-	385717 407188
100	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A8NW (S)	506	-	385750 407168
101	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (S)	527	-	385754 407144
102	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (E)	540	-	386474 407478
103	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (SE)	559	-	386448 407365
104	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (S)	590	-	385713 407093
105	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17SE (NW)	653	-	385433 408209
106	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NE (E)	677	-	386634 407800
107	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8SW (S)	733	-	385784 406918
108	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8SW (S)	736	-	385758 406921
109	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SW (W)	766	-	385105 407663
110	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (E)	822	-	386747 407406
111	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (E)	866	-	386788 407386
112	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NE (E)	880	-	386837 407805
113	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NE (E)	905	-	386862 407808
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9SW (S)	927	-	386278 406762
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17NE (NW)	957	-	385354 408530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NW (W)	973	-	384927 407968
117	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A9NE (E)	993	-	386899 407318
118	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A11NE (W)	999	-	384894 407942

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13NE (SW)	0	1	385928 407701
	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 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (SW)	0	1	385928 407701
	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 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	540	1	386500 407701
	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 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	591	1	386500 408000
	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 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	738	1	386000 408500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	750	1	385211 408083
	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 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	869	1	385000 407701

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: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SW (S)	872	1	385819 406770
	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: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19NW (NE)	914	1	386500 408500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A3NE (S)	967	1	386000 406666
119	BGS Recorded Mineral Sites Site Name: Top Of Hebens Brick Field Location: Middleton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96877 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	A13SE (SE)	67	1	386003 407583
120	BGS Recorded Mineral Sites Site Name: Langley Hall Sand Pit Location: Middleton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96874 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A13NW (W)	217	1	385654 407557
121	BGS Recorded Mineral Sites Site Name: Langley Hall Sand Pit Location: Middleton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96875 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	264	1	385649 407557

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	BGS Recorded Mineral Sites Site Name: Langley Lane Brick Yard Location: Middleton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96876 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	A14SW (E)	414	1	386370 407608
123	BGS Recorded Mineral Sites Site Name: Top Of Hebers Clay Pit Location: Middleton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96927 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	A14SW (SE)	554	1	386445 407371
124	BGS Recorded Mineral Sites Site Name: Manchester Road Sand Pit Location: Birch, Middleton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 249283 Type: Opencast Status: Ceased Operator: Edmonson & Wyatt Ltd. Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	613	1	385370 408080
125	BGS Recorded Mineral Sites Site Name: Hopwood Sand Pit Location: Hopwood, Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96550 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	782	1	386557 408266
126	BGS Recorded Mineral Sites Site Name: Hopwood Sand Pit Location: Hopwood, Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96549 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	833	1	386510 408388
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (SW)	0	6	385928 407701

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (SW)	0	-	385928 407701
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	385928 407701
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	385928 407701
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	385928 407701
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	385928 407701
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	385928 407701
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	385928 407701
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	173	1	386049 407486
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	385928 407701
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	385928 407701

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	Contemporary Trade Directory Entries Name: Fine Lays Chocolatiers Location: 11, Newlands Walk, Middleton, Manchester, M24 5LG Classification: Confectionery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	200	-	386118 407513
128	Contemporary Trade Directory Entries Name: Geoff'S Carpets Location: 6, Bishop Marshall Way, Middleton, Manchester, M24 5NE Classification: Carpets & Rugs - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	279	-	385638 407546
129	Contemporary Trade Directory Entries Name: Home Solutions Furniture Repair Location: 7, Bishops Meadow, Middleton, Manchester, M24 5JJ Classification: Furniture - Repairing & Restoring Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	335	-	385727 407384
130	Contemporary Trade Directory Entries Name: Star Cleaning Services Location: 25, Talkin Drive, Middleton, Manchester, M24 5LS Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	365	-	386285 407473
131	Contemporary Trade Directory Entries Name: T W Communications Location: 10, Barratt Gardens, Middleton, Manchester, M24 5JU Classification: Radio Communication Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	368	-	385584 407468
132	Contemporary Trade Directory Entries Name: The Real Mccoy Location: 9, Bonscale Crescent, Middleton, Manchester, M24 5LX Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	439	-	386333 407406
132	Contemporary Trade Directory Entries Name: M B S Location: 22, Bonscale Crescent, Middleton, Manchester, M24 5LY Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	471	-	386365 407397
133	Contemporary Trade Directory Entries Name: R J External Cleaning Location: 11, Causey Drive, Middleton, Manchester, M24 5PN Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	474	-	385782 407189
134	Contemporary Trade Directory Entries Name: Scarlet Blinds & Shutters Location: 163, WINDERMERE ROAD, MIDDLETON, M24 5NQ Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	533	-	386337 407259
135	Contemporary Trade Directory Entries Name: M B S Engineering Location: 283, Hollin Lane, Middleton, Manchester, M24 5LF Classification: Refrigerators & Freezers - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	565	-	386525 407698
135	Contemporary Trade Directory Entries Name: M B S Location: 283, Hollin Lane, Middleton, Manchester, M24 5LF Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	565	-	386525 407698
136	Contemporary Trade Directory Entries Name: Michael L Shaw Ltd Location: 257, Hollin Lane, Middleton, Manchester, M24 5LU Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	565	-	386515 407542

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	Contemporary Trade Directory Entries Name: M L Shaw Fabrications Ltd Location: Alexander House, 257, Hollin Lane, Middleton, Manchester, M24 5LU Classification: Sheet Metal Work Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	567	-	386516 407537
137	Contemporary Trade Directory Entries Name: Rochdale Electric Welding Co Ltd Location: Hollin La, Middleton, Manchester, Lancashire, M24 6XW Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	573	-	386520 407876
138	Contemporary Trade Directory Entries Name: Hollin Filling Station Location: Hollin La, Middleton, Manchester, M24 5LE Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	586	-	386542 407616
139	Contemporary Trade Directory Entries Name: Awaypests Location: 46, Newton Crescent, Middleton, Manchester, M24 5PB Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	595	-	385955 407037
140	Contemporary Trade Directory Entries Name: H Matthews Mirror Manufacturer Location: 726, Heywood Old Road, Heywood, Lancashire, OL10 2QQ Classification: Mirrors & Decorative Glass Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	657	-	385306 408063
140	Contemporary Trade Directory Entries Name: Arthur Morgan Kitchens & Bedrooms Ltd Location: Birch Mill Business Centre, Heywood Old Road, Heywood, Lancashire, OL10 2QQ Classification: Kitchen Furniture Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	685	-	385305 408112
140	Contemporary Trade Directory Entries Name: J Lewis & Co Ltd Location: Birch Mill, Heywood Old Road, Heywood, Lancashire, OL10 2QQ Classification: Soft Furnishings - Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17SE (NW)	685	-	385305 408112
140	Contemporary Trade Directory Entries Name: Flock & Wipers Ltd Location: Unit 1, Birch Mill Business Centre, Heywood Old Road, Heywood, Lancashire, OL10 2QQ Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	685	-	385305 408112
141	Contemporary Trade Directory Entries Name: Hygrade Cleaning Contractors Location: 3, Esmont Drive, Middleton, Manchester, M24 5WL Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	674	-	386356 407089
141	Contemporary Trade Directory Entries Name: Clean Shine Home Improvements Location: 8, Burnside Crescent, Middleton, Manchester, M24 5WH Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	700	-	386424 407111
141	Contemporary Trade Directory Entries Name: W G Finnigan & Son Location: 6, Esmont Drive, Middleton, Manchester, M24 5WL Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	709	-	386402 407081

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	Contemporary Trade Directory Entries Name: Acorn Dairy Location: Hollin Lane, Middleton, Manchester, M24 6XW Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	789	-	386270 408488
143	Contemporary Trade Directory Entries Name: O B Trucks Ltd Location: Birch House, Doctor Fold Lane, Heywood, OL10 2QE Classification: Commercial Vehicle Breakdown & Recovery Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	873	-	385252 408340
144	Contemporary Trade Directory Entries Name: Birch Garage Location: Birch Garage, Manchester Road, Heywood, Lancashire, OL10 2QD Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	881	-	385379 408455
144	Contemporary Trade Directory Entries Name: Collision Assist (UK) Location: Birch Garage, Manchester Road, Heywood, Lancashire, OL10 2QD Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	881	-	385379 408455
144	Contemporary Trade Directory Entries Name: Foxdenton Accident Assist Centre Ltd Location: Birch Garage, Manchester Road, Heywood, Lancashire, OL10 2QD Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	881	-	385379 408455
144	Contemporary Trade Directory Entries Name: Vehicle Concepts Location: UNIT 4, BIRCH GARAGE, MANCHESTER ROAD, HEYWOOD, OL10 2QD Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	881	-	385379 408455
144	Contemporary Trade Directory Entries Name: Birch Garages Ltd Location: Unit 4 Manchester Road, Heywood, Lancashire, OL10 2QD Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	881	-	385379 408455
144	Contemporary Trade Directory Entries Name: Concept Assist Location: Birch Garage, Manchester Road, Heywood, OL10 2QD Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	881	-	385379 408455
144	Contemporary Trade Directory Entries Name: Vehicle Concepts Location: UNIT 4, BIRCH GARAGE, MANCHESTER ROAD, HEYWOOD, OL10 2QD Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	881	-	385379 408455
144	Contemporary Trade Directory Entries Name: Foxdenton Accident Assist Location: Birch Garage, Manchester Road, Heywood, Lancashire, OL10 2QD Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	881	-	385379 408455
144	Contemporary Trade Directory Entries Name: R G Motors Heywood Location: Unit 1 Birch Garage, Manchester Road, Heywood, Lancashire, OL10 2QD Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	882	-	385378 408455
145	Contemporary Trade Directory Entries Name: Superwash 3 Location: A,12 Lakeland Ct, Middleton, Manchester, Lancashire, M24 5QJ Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SW (S)	892	-	385780 406757

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
146	Contemporary Trade Directory Entries Name: A & A Waste Solutions Location: 8, Oakway, Middleton, Manchester, M24 6TD Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	900	-	386860 407719
147	Contemporary Trade Directory Entries Name: Birch Farm Location: Lower Whittle Farm, Doctor Fold Lane, Heywood, OL10 2QE Classification: Ice Cream Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	990	-	385031 408251
148	Contemporary Trade Directory Entries Name: Real Al-Haqq Ltd Location: 38, Millbeck Road, Middleton, Manchester, M24 4HG Classification: Agricultural Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NW (S)	998	-	385756 406653
149	Fuel Station Entries Name: Hollin Service Station Location: 270, Hollin Lane , Hollins Middleton, Manchester, Greater Manchester, M24 5LE Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	590	-	386547 407620
150	Points of Interest - Commercial Services Name: Silverbirch Same Day Location: 7 Barratt Gardens, Middleton, Manchester, M24 5JU Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SE (SW)	338	7	385572 407544
151	Points of Interest - Commercial Services Name: Michael L Shaw Ltd Location: 257 Hollin Lane, Middleton, Manchester, M24 5LU Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A14SW (E)	565	7	386515 407542
151	Points of Interest - Commercial Services Name: M L Shaw Fabrications Ltd Location: 257 Hollin Lane, Middleton, M24 5LU Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A14SW (E)	567	7	386516 407537
152	Points of Interest - Commercial Services Name: Awaypests Location: 46 Newton Crescent, Middleton, M24 5PB Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A8NE (S)	595	7	385955 407037
153	Points of Interest - Commercial Services Name: Banner Van Birch Garage Location: Birch Garage, Manchester Road, Heywood, OL10 2QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	881	7	385379 408455
153	Points of Interest - Commercial Services Name: Vehicle Concepts Location: Unit 4 Birch Garage, Manchester Road, Heywood, OL10 2QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	881	7	385379 408455
153	Points of Interest - Commercial Services Name: Concept Assist Location: Unit 4 Birch Garage, Manchester Road, Heywood, OL10 2QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	881	7	385379 408455

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	Points of Interest - Commercial Services Name: R G Motors Heywood Location: Unit 1 Birch Garage, Manchester Road, Heywood, OL10 2QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	881	7	385379 408455
153	Points of Interest - Commercial Services Name: Vehicle Concepts Location: Unit 4 Birch Garage, Manchester Road, Heywood, OL10 2QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	881	7	385379 408455
153	Points of Interest - Commercial Services Name: Collision Assist (UK) Location: Birch Garage, Manchester Road, Heywood, OL10 2QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	881	7	385379 408455
153	Points of Interest - Commercial Services Name: Birch Garages Location: Birch Garage, Manchester Road, Heywood, OL10 2QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	881	7	385379 408455
153	Points of Interest - Commercial Services Name: Foxdenton Autos Location: Birch Garage, Manchester Road, Heywood, OL10 2QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	881	7	385379 408455
153	Points of Interest - Commercial Services Name: Foxdenton Accident Assist Location: Birch Garage, Manchester Road, Heywood, OL10 2QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	881	7	385379 408455
153	Points of Interest - Commercial Services Name: Birch Garages Ltd Location: Unit 4, Manchester Road, Heywood, OL10 2QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	881	7	385379 408455
153	Points of Interest - Commercial Services Name: R G Motors Location: Unit 1, Birch Garage, Manchester Rd, Heywood, Lancashire, OL10 2QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	882	7	385378 408455
154	Points of Interest - Manufacturing and Production Name: S Thomas Location: Langley Lane, Middleton, Manchester, M24 5LJ Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A13SE (S)	6	7	385943 407663
154	Points of Interest - Manufacturing and Production Name: S Thomas Location: Langley Lane, Middleton, Manchester, M24 5LJ Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A13SE (S)	6	7	385943 407663
155	Points of Interest - Manufacturing and Production Name: A & P Fletcher Location: Manchester Road, Heywood, OL10 2QB Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A18SW (N)	420	7	385893 408179
155	Points of Interest - Manufacturing and Production Name: Siddal Fold Farm Location: Siddal Fold Farm, Manchester Road, Heywood, OL10 2QB Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A18SW (N)	420	7	385893 408179

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	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	A17SE (NW)	691	7	385330 408156
156	Points of Interest - Manufacturing and Production Name: Business Centre Location: OL10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	703	7	385330 408175
157	Points of Interest - Manufacturing and Production Name: Birch Poultry Farm Location: OL10 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	838	7	385047 407559
158	Points of Interest - Manufacturing and Production Name: Hatters Farm Location: Hatters Farm, Stott Lane, Middleton, M24 6XL Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A19SE (NE)	931	7	386764 408229
159	Points of Interest - Manufacturing and Production Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19NE (NE)	948	7	386646 408416
160	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	A12NW (W)	653	7	385221 407803
160	Points of Interest - Public Infrastructure Name: Graveyard Location: OL10 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	661	7	385213 407802
161	Points of Interest - Public Infrastructure Name: A & A Waste Solutions Location: 8 Oakway, Middleton, M24 6TD Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14NE (E)	900	7	386860 407719
162	Points of Interest - Recreational and Environmental Name: Play Area Location: M24 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	286	7	386246 407706
163	Points of Interest - Recreational and Environmental Name: Play Area Location: M24 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	422	7	386382 407729
164	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	A14SW (SE)	546	7	386467 407439
165	Points of Interest - Recreational and Environmental Name: Play Area Location: M24 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	688	7	386135 406968

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	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	A8SE (S)	733	7	386090 406911
166	Points of Interest - Recreational and Environmental Name: Play Area Location: M24 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	690	7	385534 407083
166	Points of Interest - Recreational and Environmental Name: Play Area Location: M24 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	699	7	385589 407035
167	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	A7NW (SW)	948	7	385097 407152
167	Points of Interest - Recreational and Environmental Name: Playground Location: Heywood Old Road, M24 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A7NW (SW)	950	7	385094 407152
168	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	A7NW (SW)	978	7	385025 407211
168	Points of Interest - Recreational and Environmental Name: Playground Location: Heywood Old Road, M24 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	984	7	385018 407210
169	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	A15SW (E)	996	7	386939 407468
169	Points of Interest - Recreational and Environmental Name: Playground Location: Tintern Road, M24 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	996	7	386939 407468

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
170	Areas of Adopted Green Belt Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan Status: Adopted Plan Date: 30th June 2006	A13NW (W)	0	9	385913 407699
171	Nitrate Vulnerable Zones Name: River Irk (Moston Brook To River Irwell) Nvz Description: Surface Water Source: Environment Agency, Head Office	A14SW (E)	591	2	386550 407550

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

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

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	October 2024	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area	November 2024	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area	October 2024	Quarterly
Local Authority Landfill Coverage Bury Metropolitan Borough Council Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Bury Metropolitan Borough Council Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North West Region - 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	September 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Bury Metropolitan Borough Council Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council	February 2016 February 2016 February 2016 May 2023	Variable Variable Variable Variable
Planning Hazardous Substance Consents Bury Metropolitan Borough Council Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council	February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	March 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	November 2024	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2024	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	December 2024	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	December 2024	Quarterly
Points of Interest - Commercial Services PointX	March 2025	Quarterly
Points of Interest - Education and Health PointX	March 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2025	Quarterly
Points of Interest - Public Infrastructure PointX	March 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

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

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.co.uk
5	Rochdale Metropolitan Borough Council - Environmental Health Department P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH	Telephone: 01706 864139 Fax: 01706 864185 Website: www.rochdale.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Rochdale Metropolitan Borough Council PO Box 15, Town Hall, Rochdale, Greater Manchester, OL16 1AB	Telephone: 01706 647474 Fax: 01706 59475 Website: www.rochdale.gov.uk
10	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
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk

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

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

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

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	HMGDD	Hummocky (Moundy) Glacial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFCD	Glaciofluvial Ice Contact Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	HMGDD	Hummocky (Moundy) Glacial Deposits, Devensian	Diamicton	Not Supplied - Devensian
	LDE	Lacustrine Deposits	Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	PEAT	Peat	Peat	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	OL	Old Lawrence Rock	Sandstone	Not Supplied - Westphalian
	RYSA	Royley Sandstone	Sandstone	Not Supplied - Westphalian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	PLCM	Pennine Lower Coal Measures Formation	Sandstone	Not Supplied - Westphalian
	WH	Woodhead Hill Rock	Sandstone	Not Supplied - Westphalian
	HER	Helpet Edge Rock	Sandstone	Not Supplied - Westphalian
	BLR	Blenfire Rock	Sandstone	Not Supplied - Westphalian
	ROSSE	Rossendale Formation	Mudstone and Siltstone	Not Supplied - Namurian
	RR	Rough Rock	Sandstone	Not Supplied - Namurian
		Faults		
		Rock Segments		



LK CONSULT

Geology 1:50,000 Maps

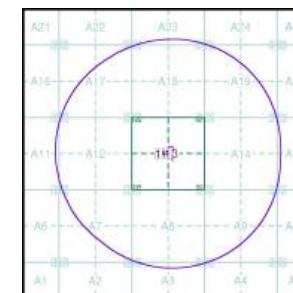
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

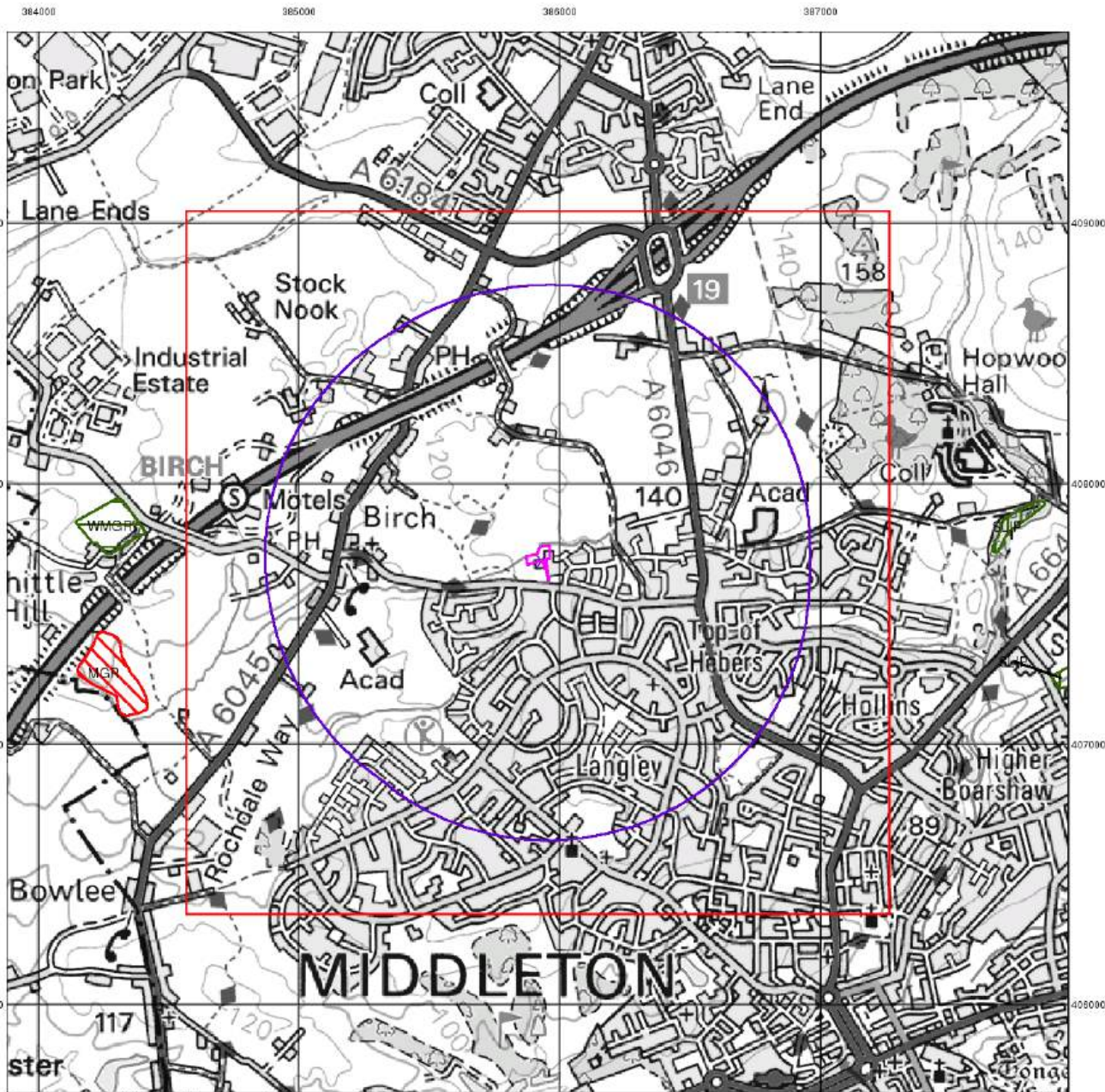
Order Number: 372354437_1_1
Customer Reference: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details:

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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



© Crown copyright and database rights 2025 OS AC0000813445



LK CONSULT

Artificial Ground and Landslip

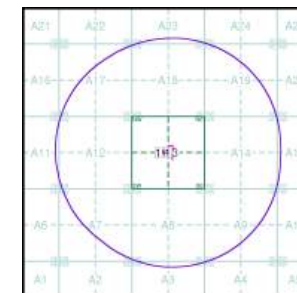
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

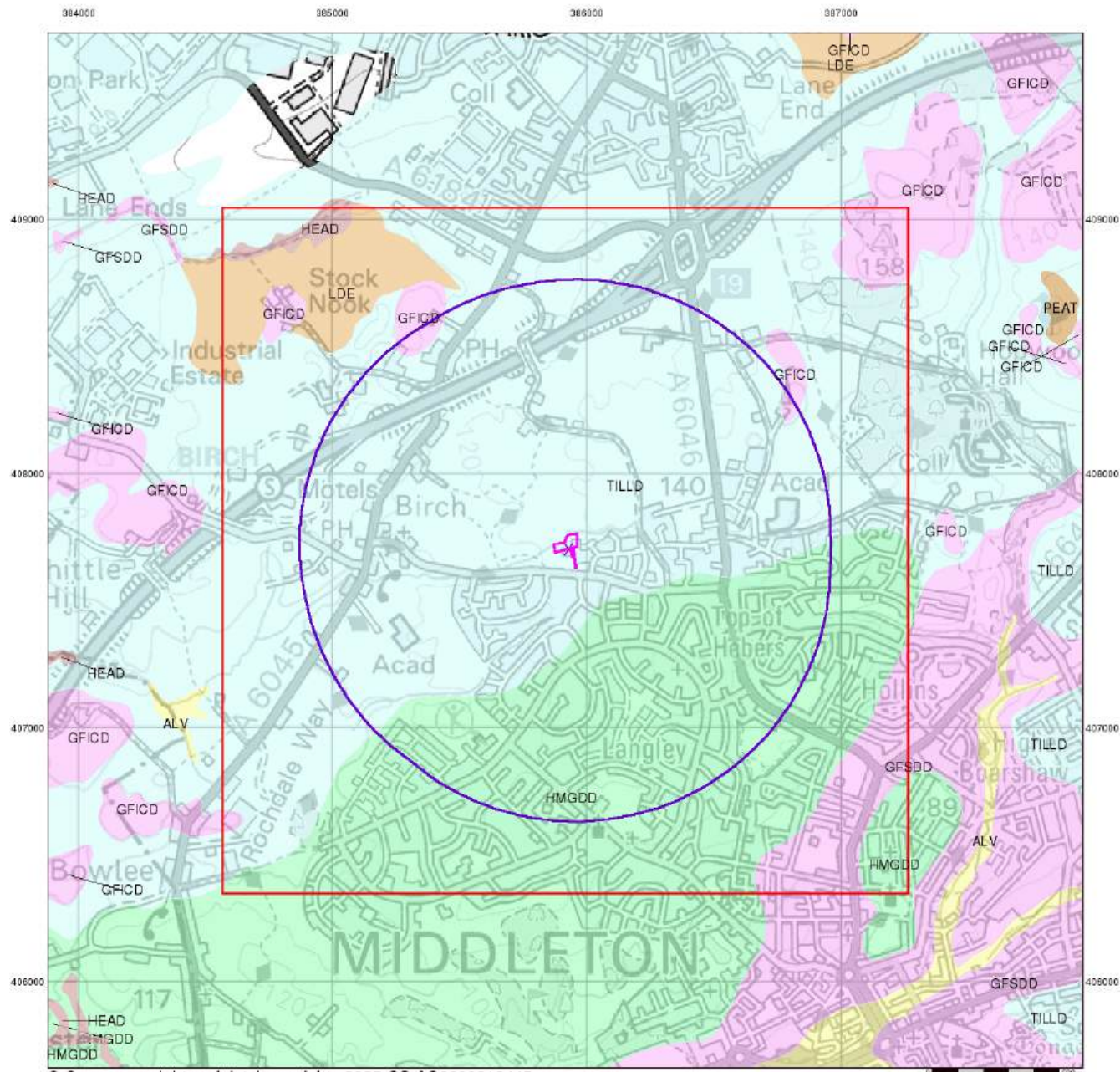
Order Number: 372354437_1_1
 Customer Reference: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details:

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
 INFORMATION GROUP

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



© Crown copyright and database rights 2025 OS AC0000813445



LK CONSULT

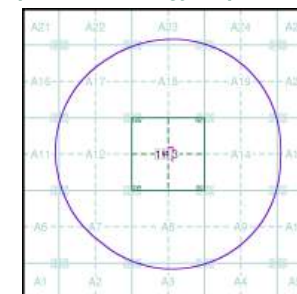
Superficial Geology

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:

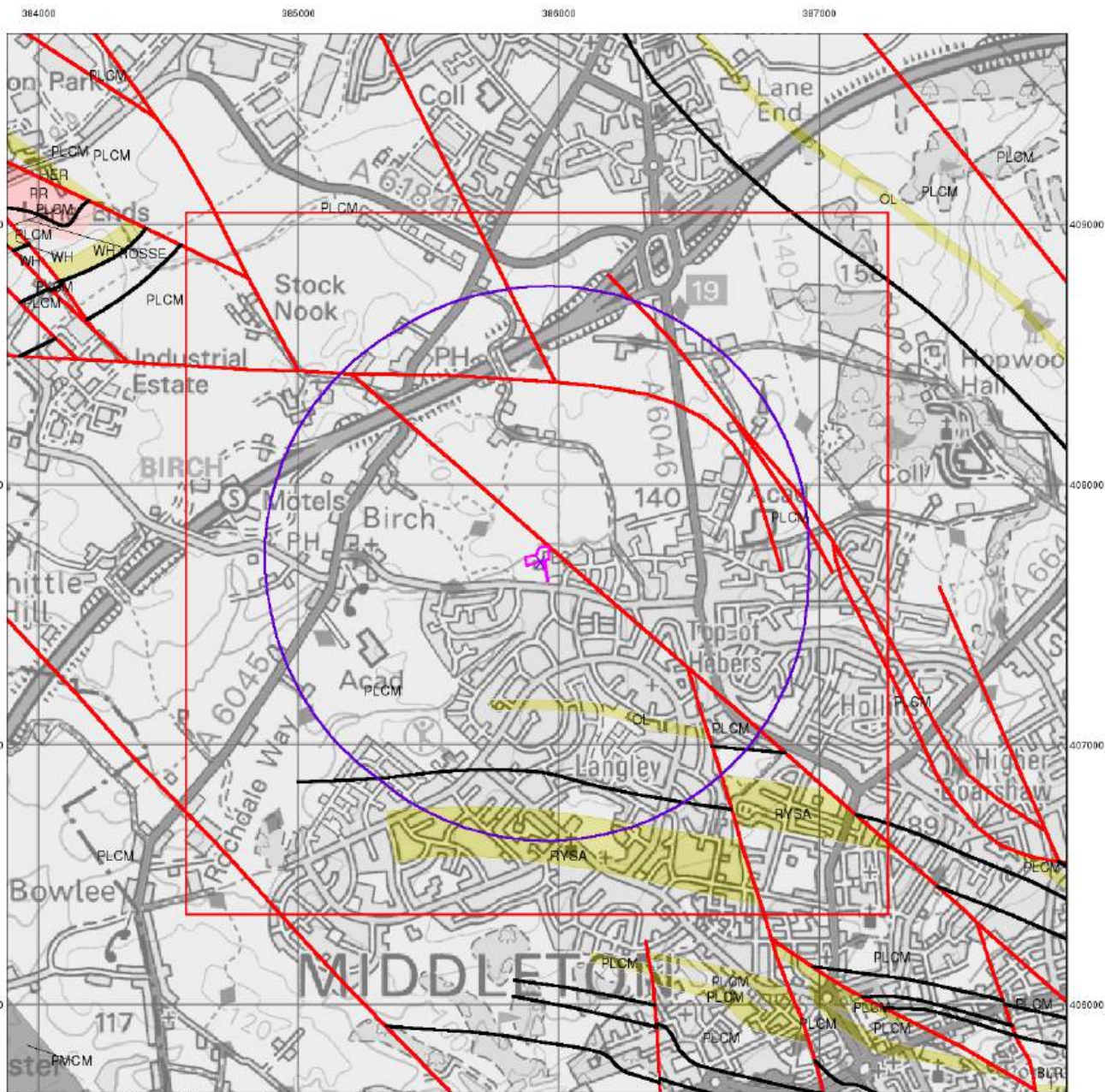
Order Number: 372354437_1_1
 Customer Reference: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details:

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
 INFORMATION GROUP

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



© Crown copyright and database rights 2025 OS AC0000813445



LK CONSULT

Bedrock and Faults

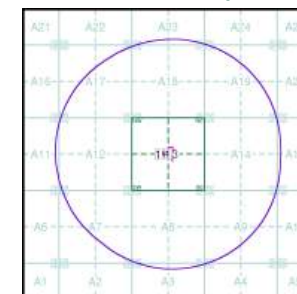
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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:

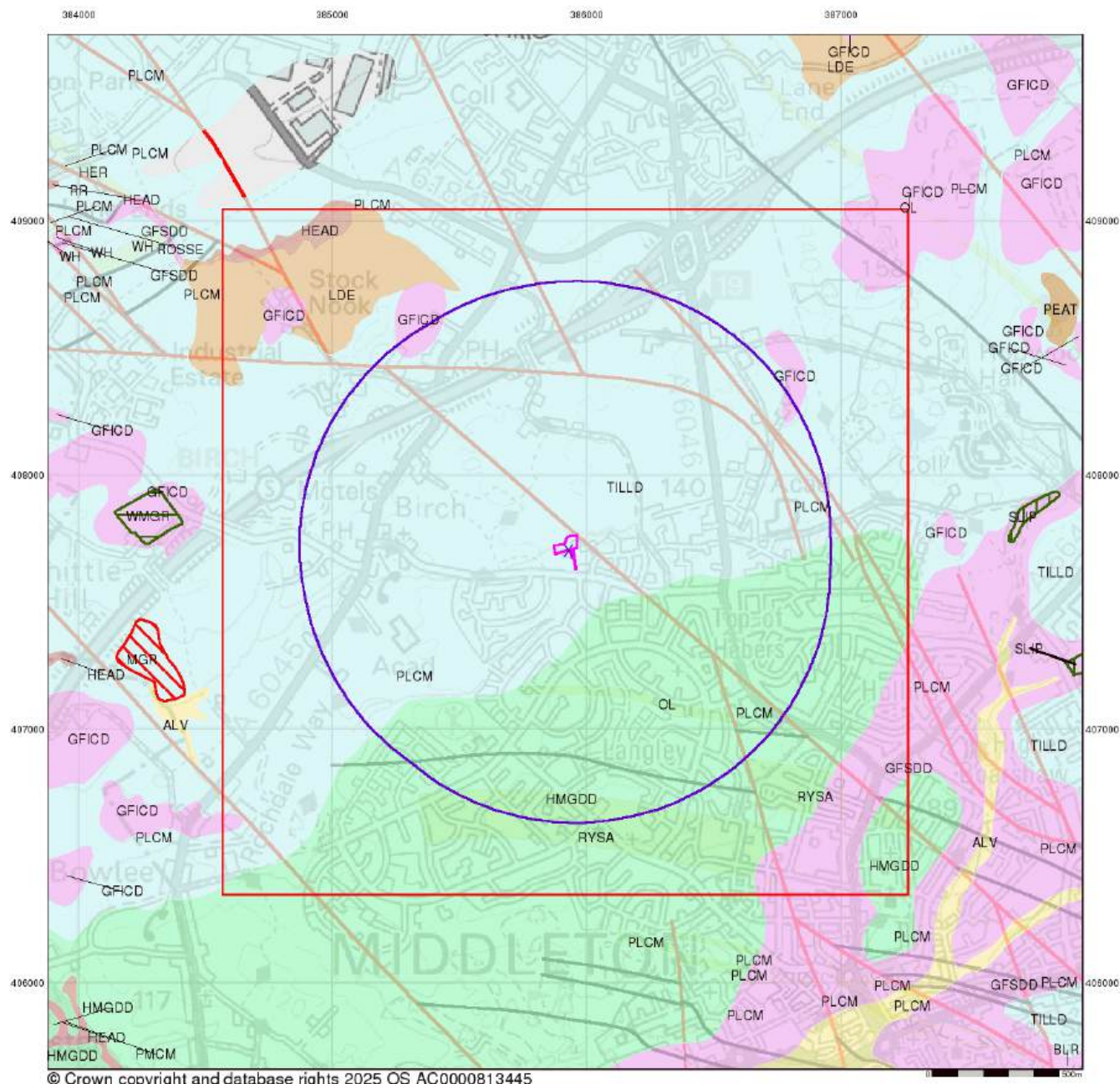
Order Number: 372354437_1_1
 Customer Reference: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details:

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
 INFORMATION GROUP

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



LK CONSULT

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.

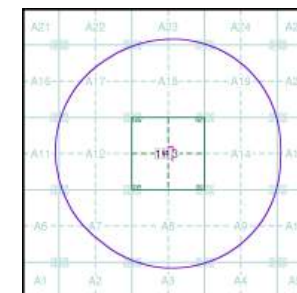
Additional Information

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:

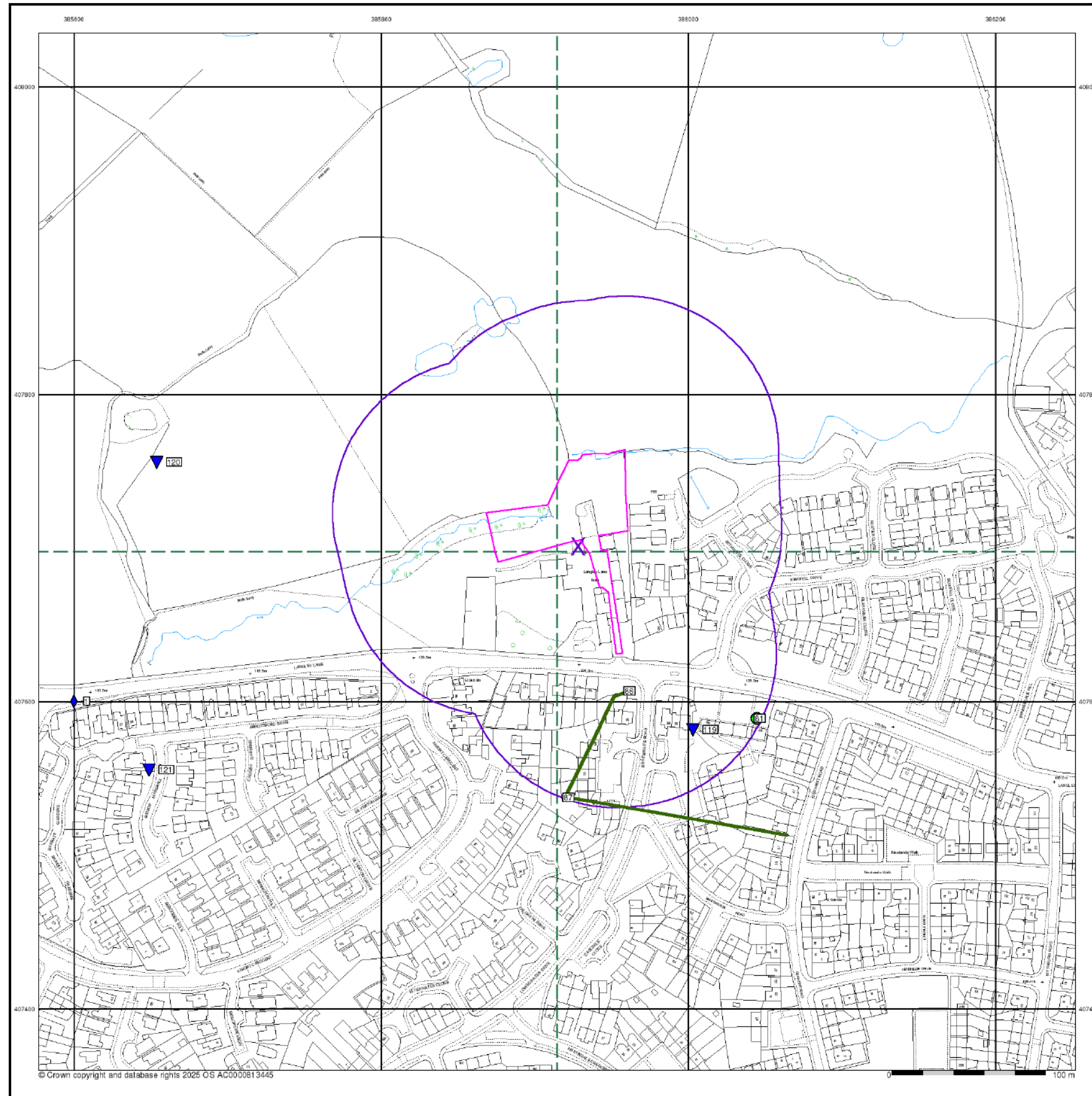
Order Number: 372354437_1_1
Customer Reference: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details:

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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





General

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

Agency and Hydrological

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

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

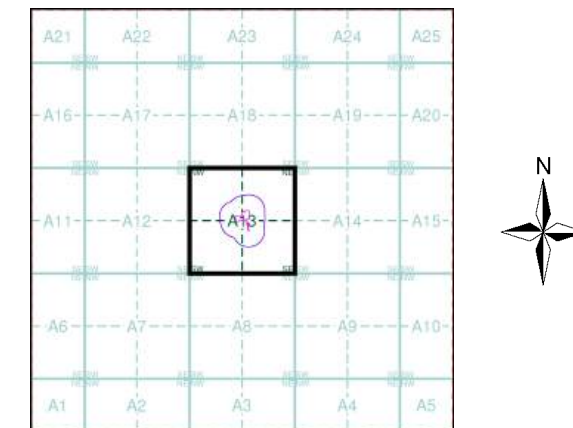
Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13

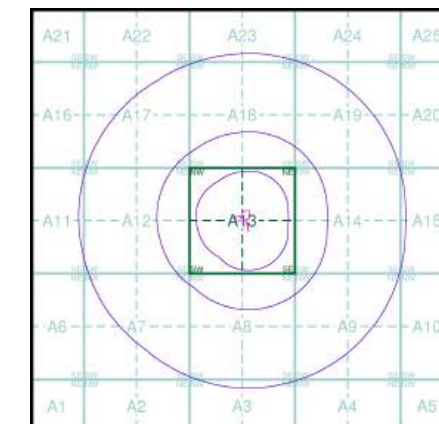


Order Details
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Plot Buffer (m): 100

Site Details
Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

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

Site Sensitivity Map - Slice A

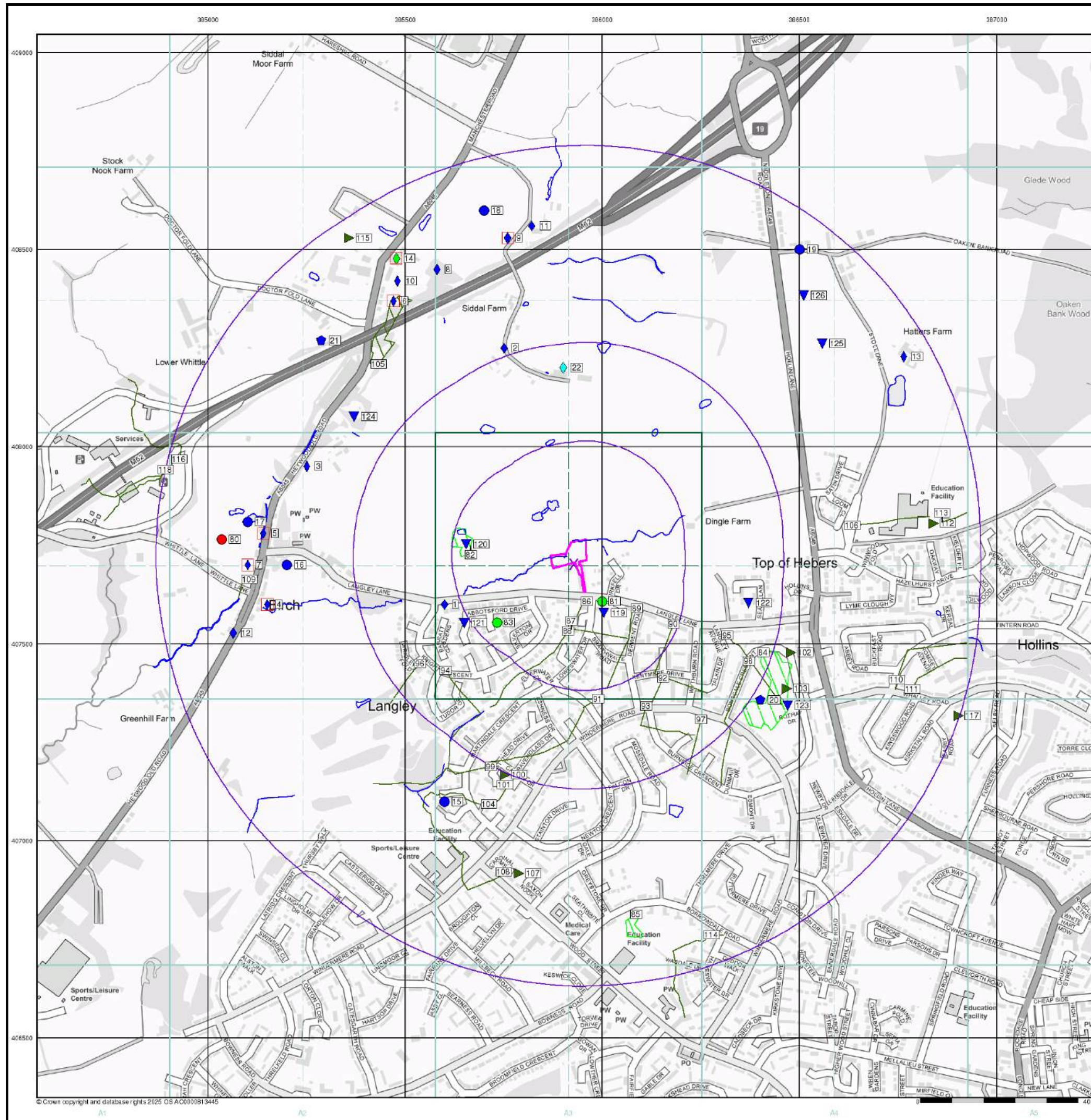


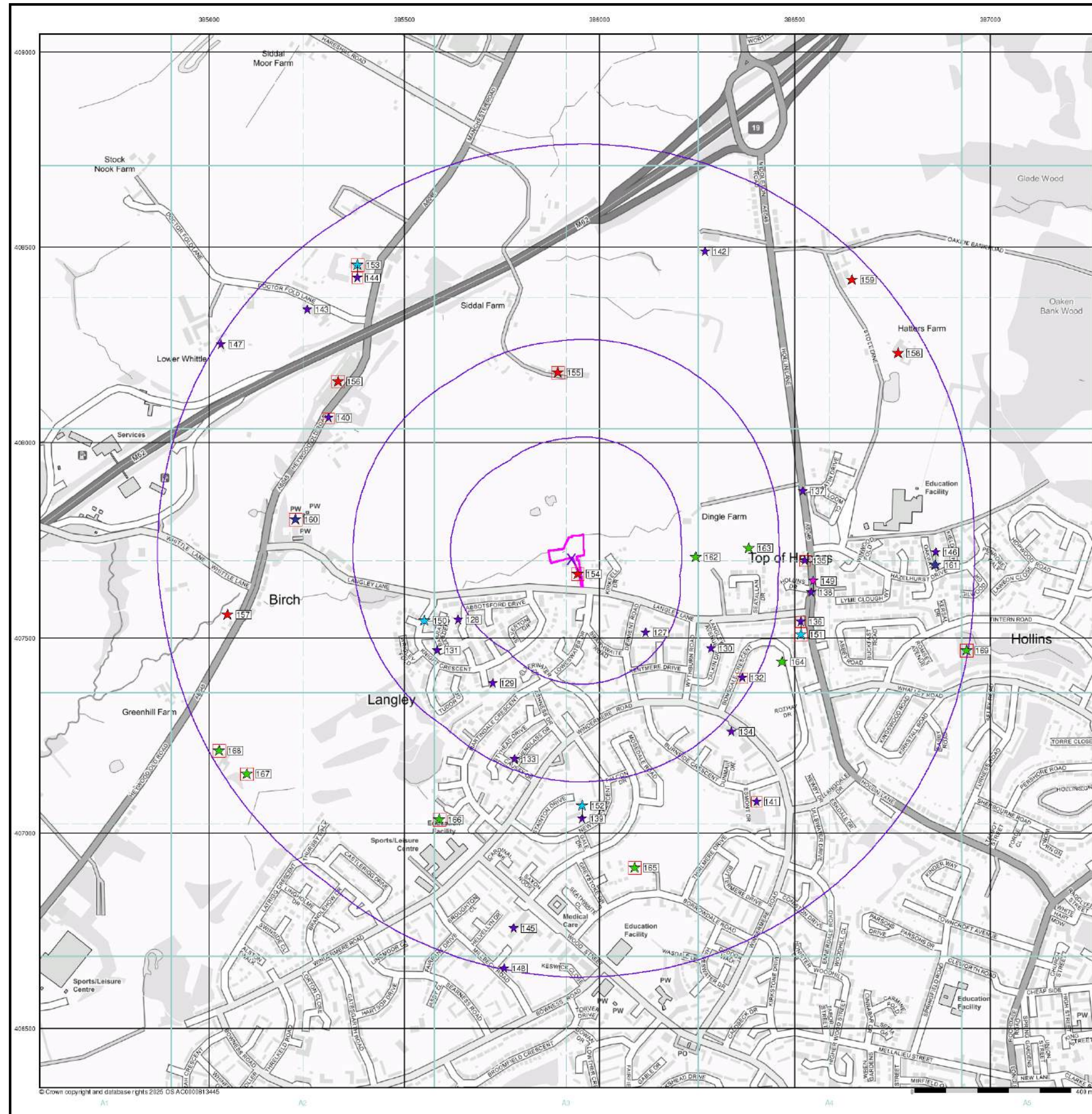
Order Details

Order Number: 372354437_1_1
 Customer Ref: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

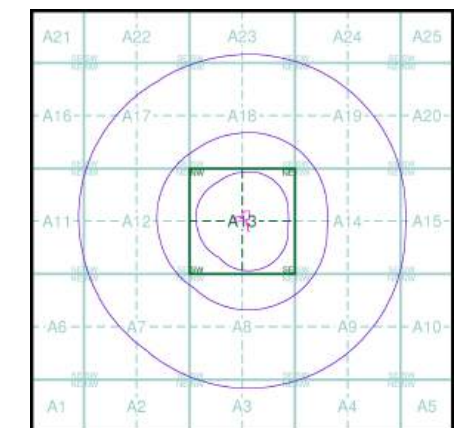
Langley Lane, Langley Lane Farm, Middleton, M24 5LJ





- General**
-  Specified Site
 -  Specified Buffer(s)
 -  Bearing Reference Point
 -  Slice
 -  Map ID
- Industrial Land Use**
-  Contemporary Trade Directory Entry
 -  Fuel Station Entry
 -  Points of Interest - Commercial Services
 -  Points of Interest - Education and Health
 -  Points of Interest - Manufacturing and Production
 -  Points of Interest - Public Infrastructure
 -  Points of Interest - Recreational and Environmental
 -  Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

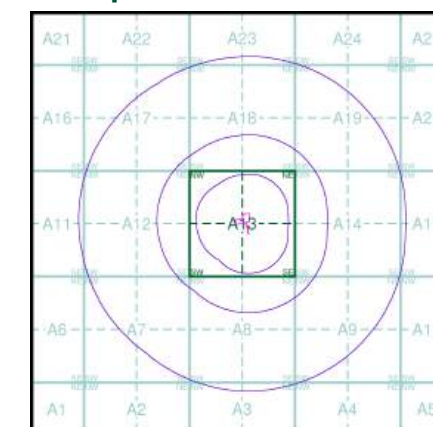
General

- 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

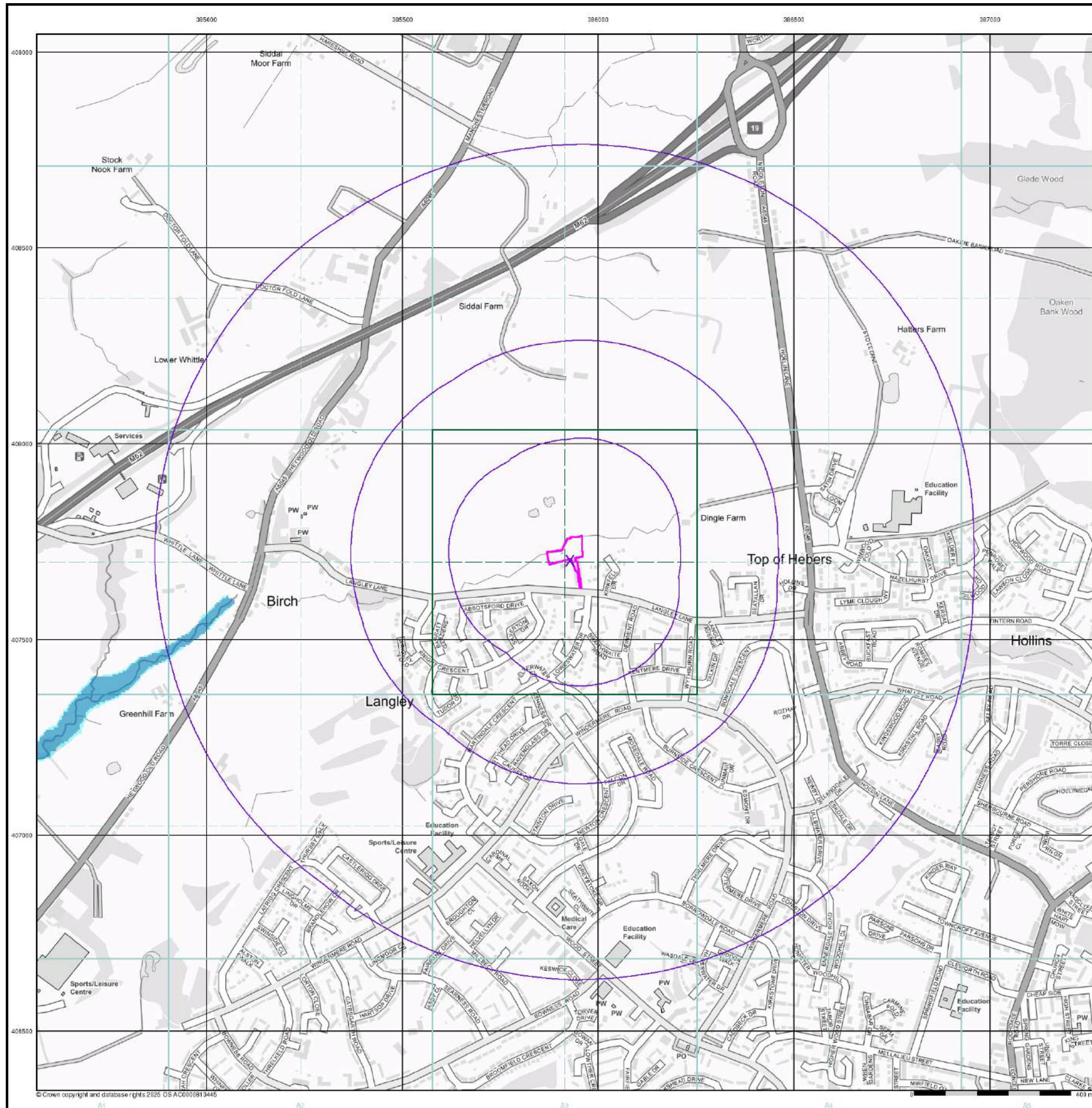


Order Details

Order Number: 372354437_1_1
 Customer Ref: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



General

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

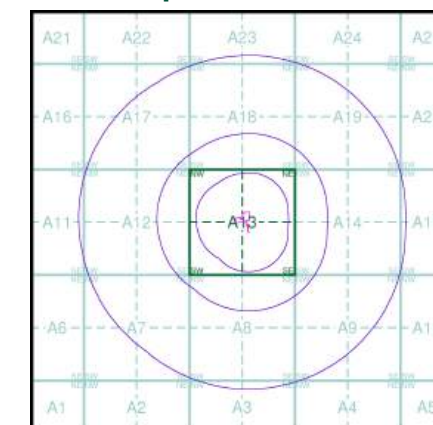
Agency and Hydrological (Boreholes)

-  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

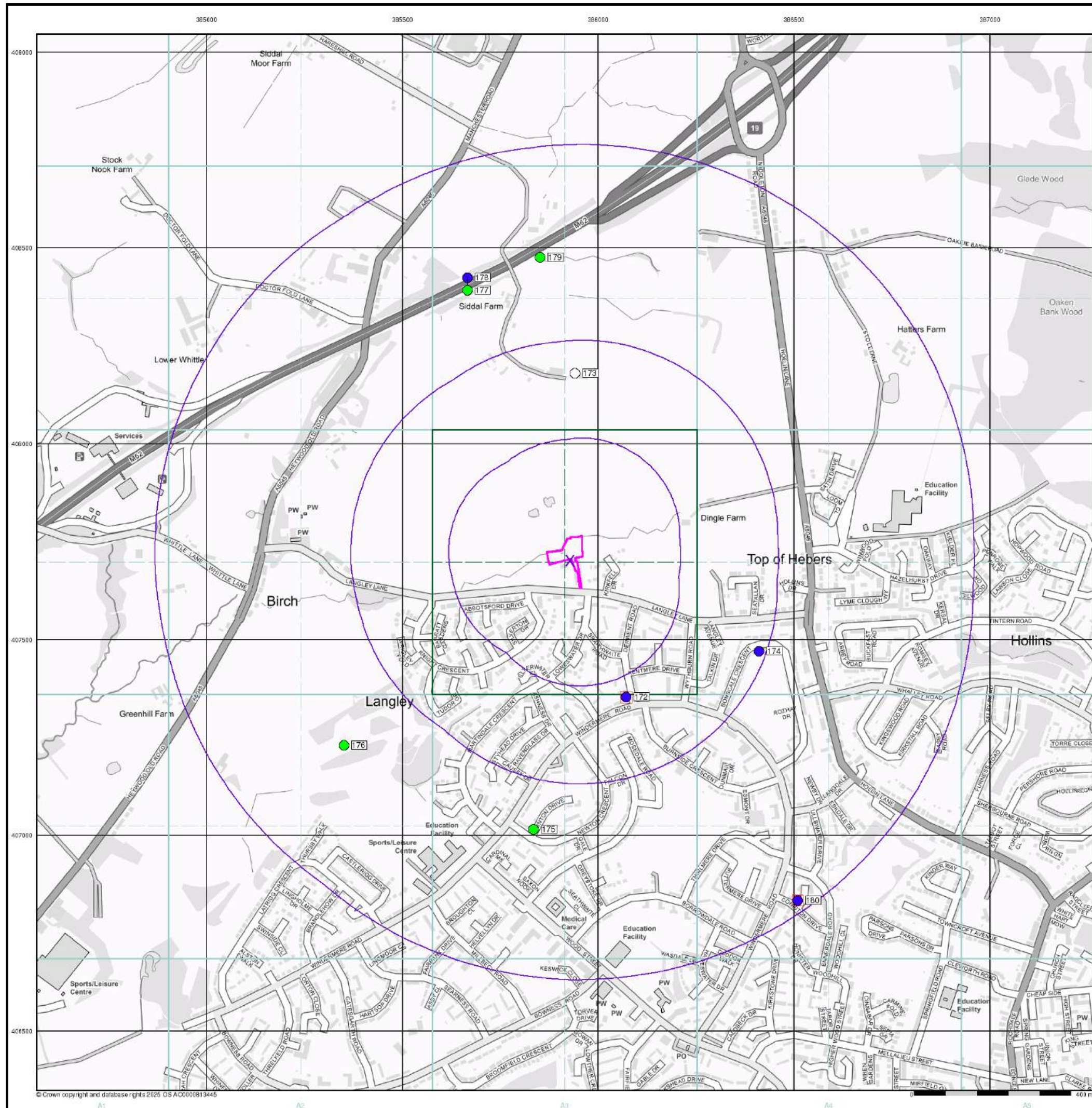


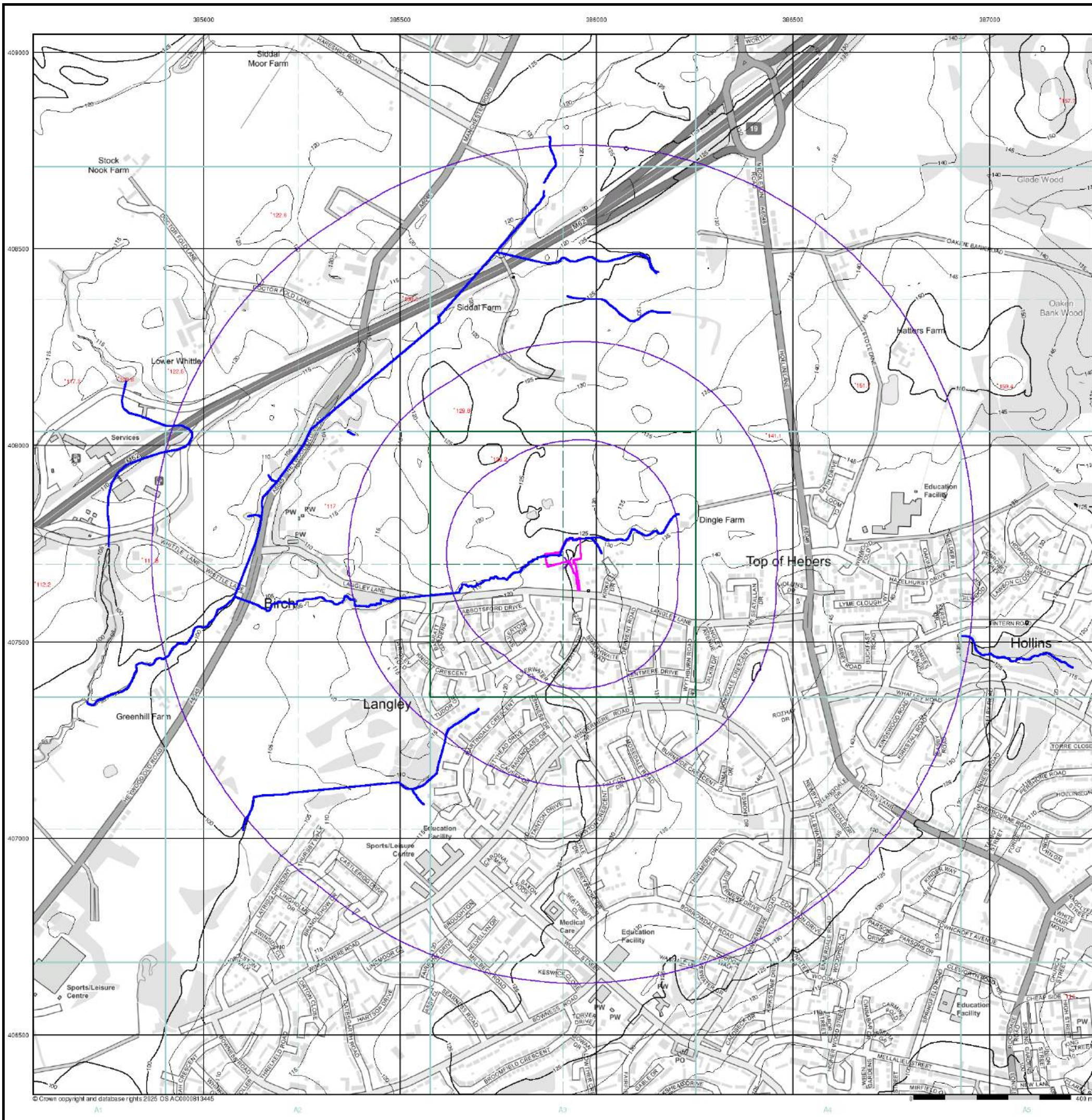
Order Details

Order Number: 372354437_1_1
 Customer Ref: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ





General

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

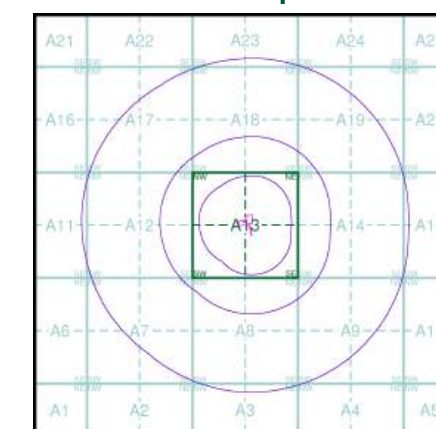
OS Water Network Data

- | | |
|--|---|
|  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
-  MHV Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number: 372354437_1_1
Customer Ref: LK251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

General

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

Risk of Flooding from Surface Water

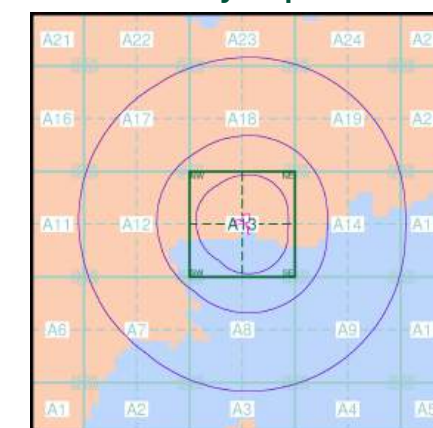
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

E/NRW Suitability Map - Slice A

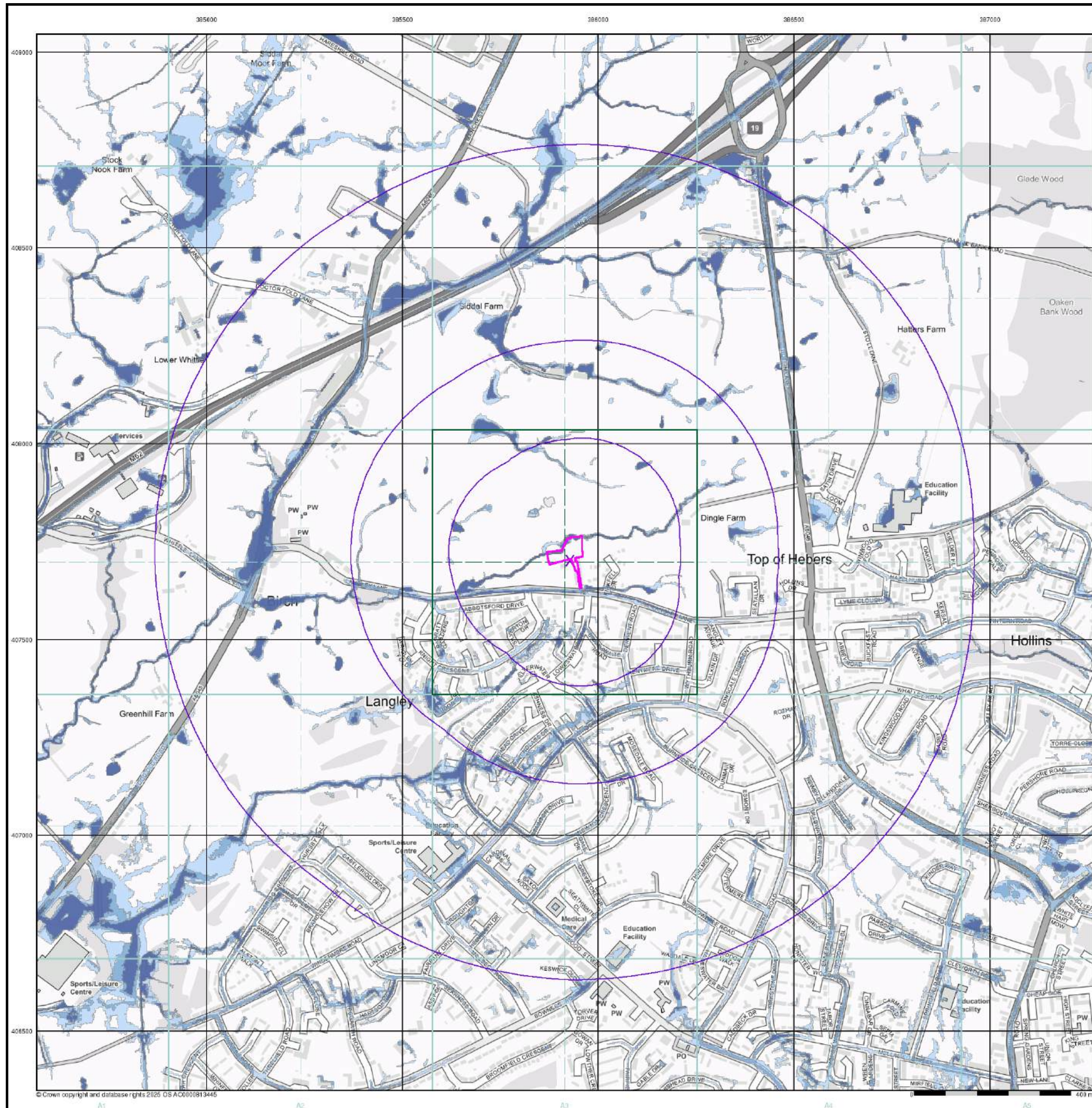


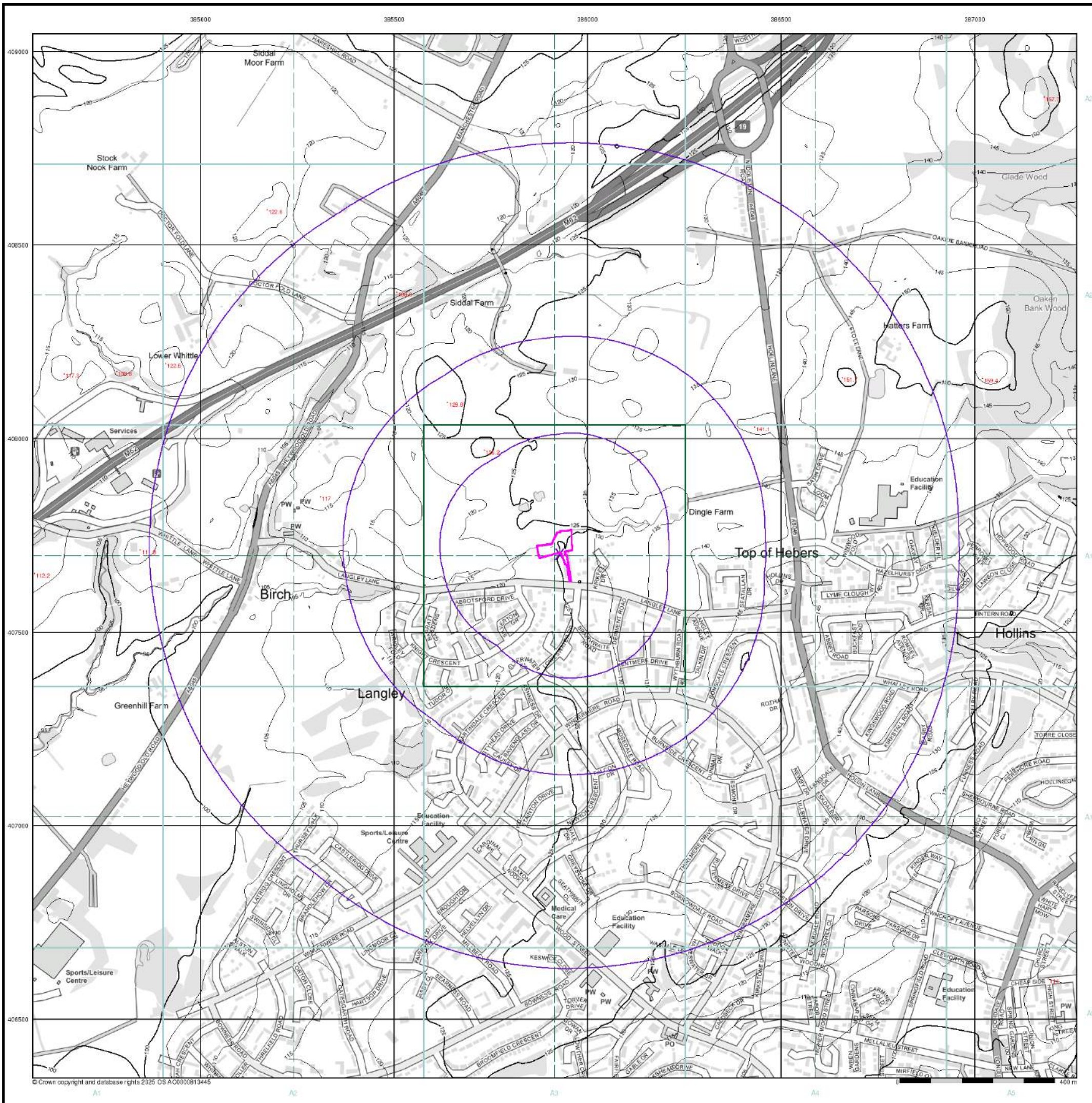
Order Details

Order Number: 372354437_1_1
 Customer Ref: LKC251127
 National Grid Reference: 385930, 407700
 Slice: A
 Site Area (Ha): 0.42
 Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ





LK CONSULT

WFD Surface Waters Map

General

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

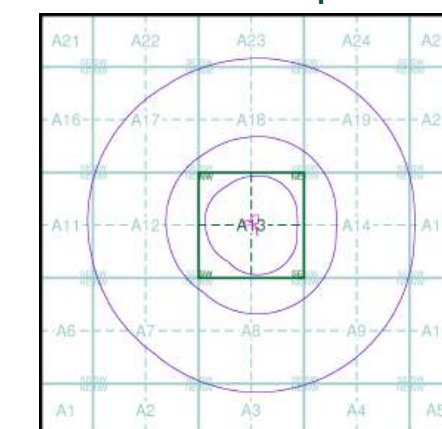
Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

Contours (height in meters)

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

WFD Surface Waters Map - Slice A



Order Details

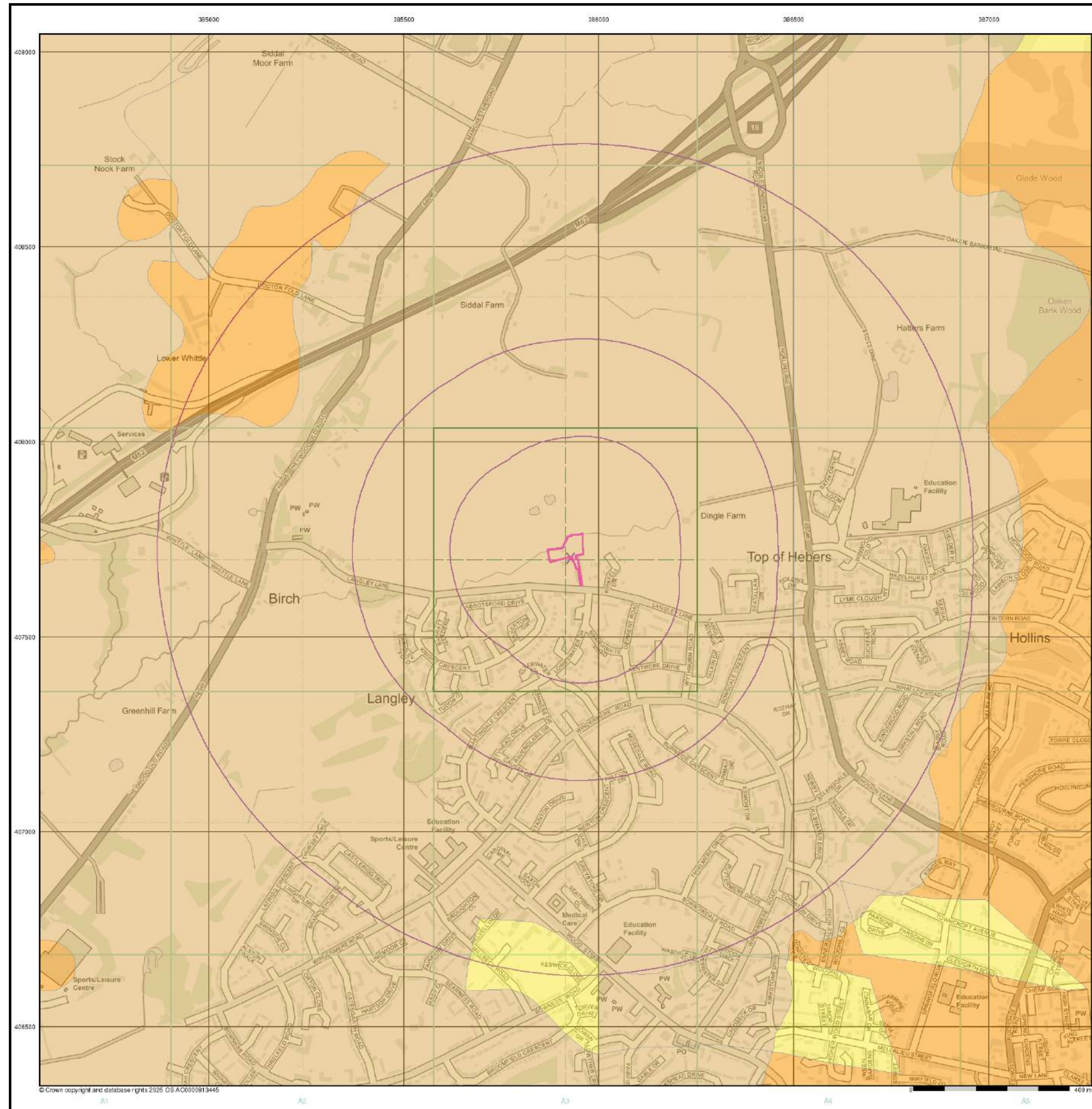
Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Landmark
INFORMATION GROUP

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

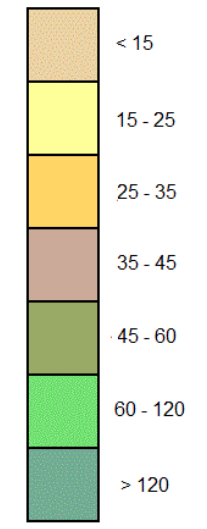


General

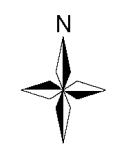
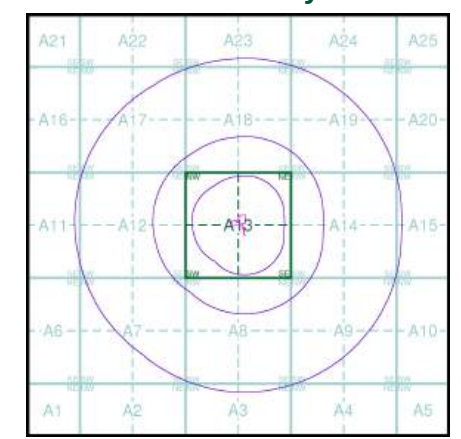
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

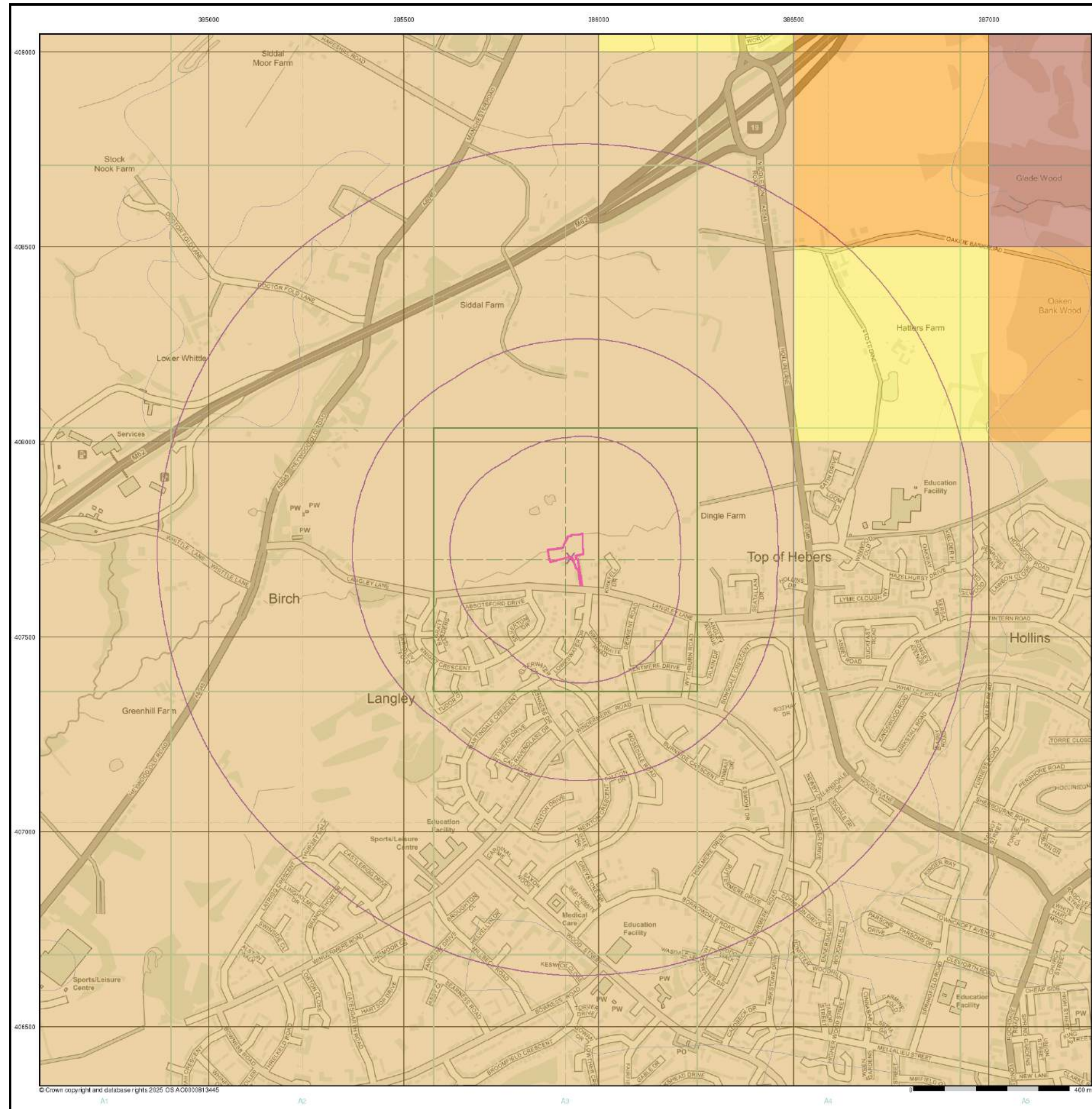
Order Details: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

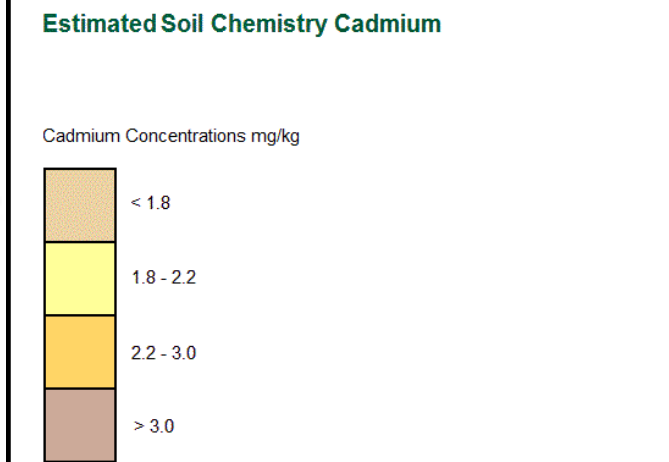


Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

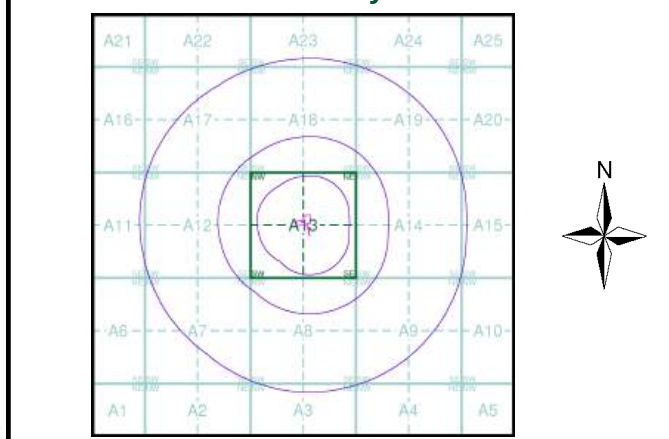


General

Specified Site Specified Buffer(s) Bearing Reference Point



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

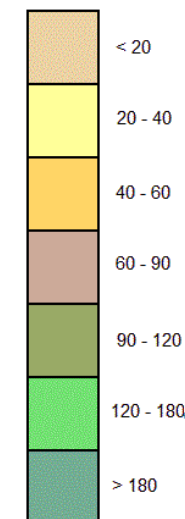


General

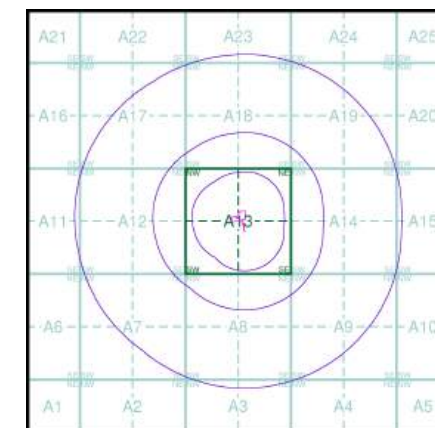
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

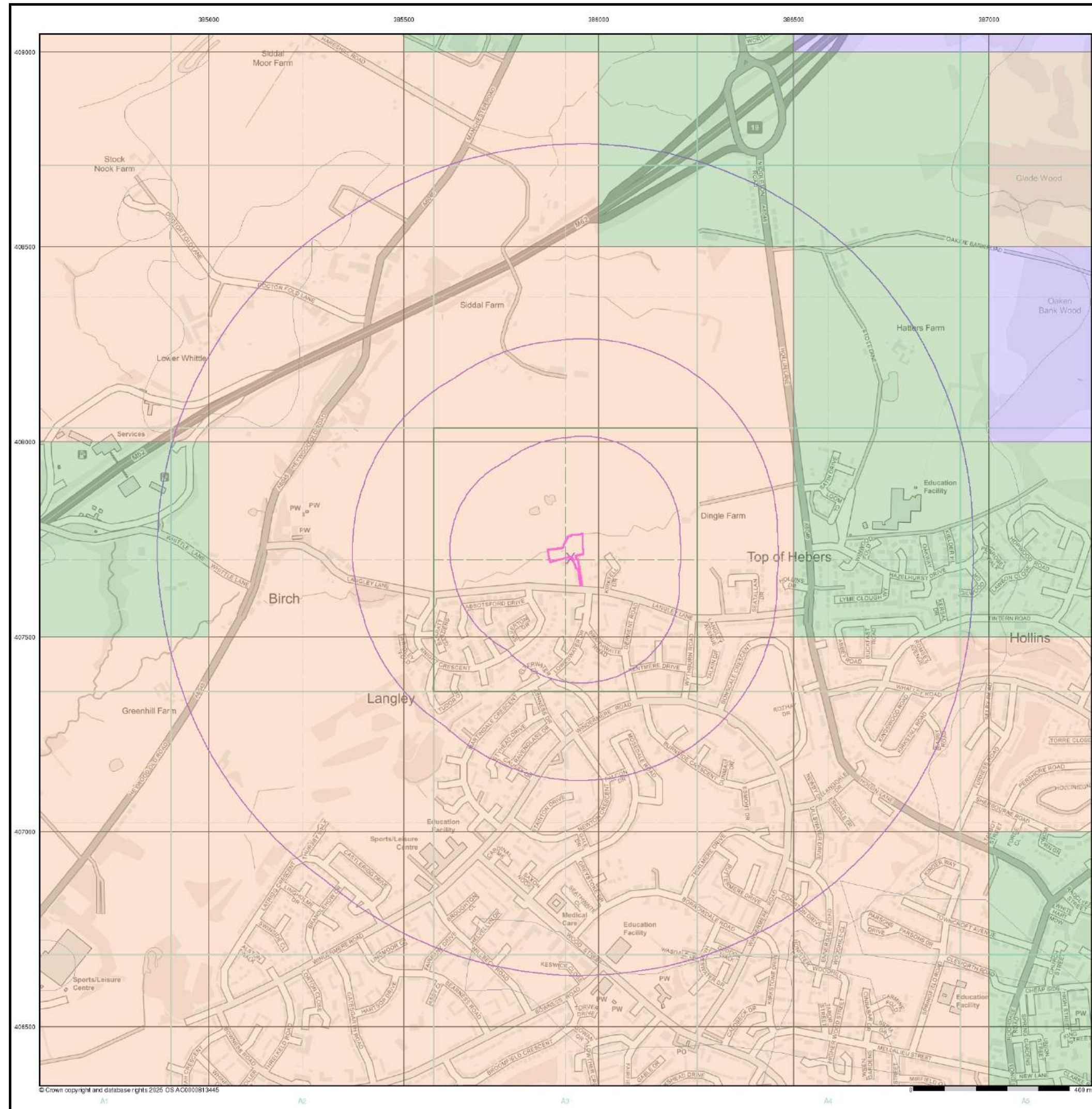
Order Details: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



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

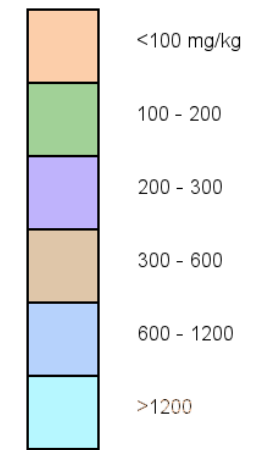


General

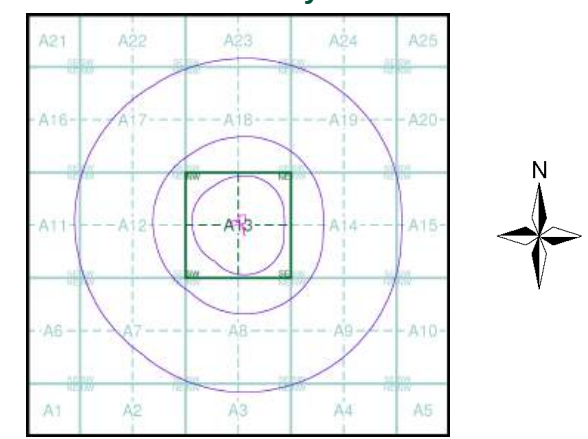
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

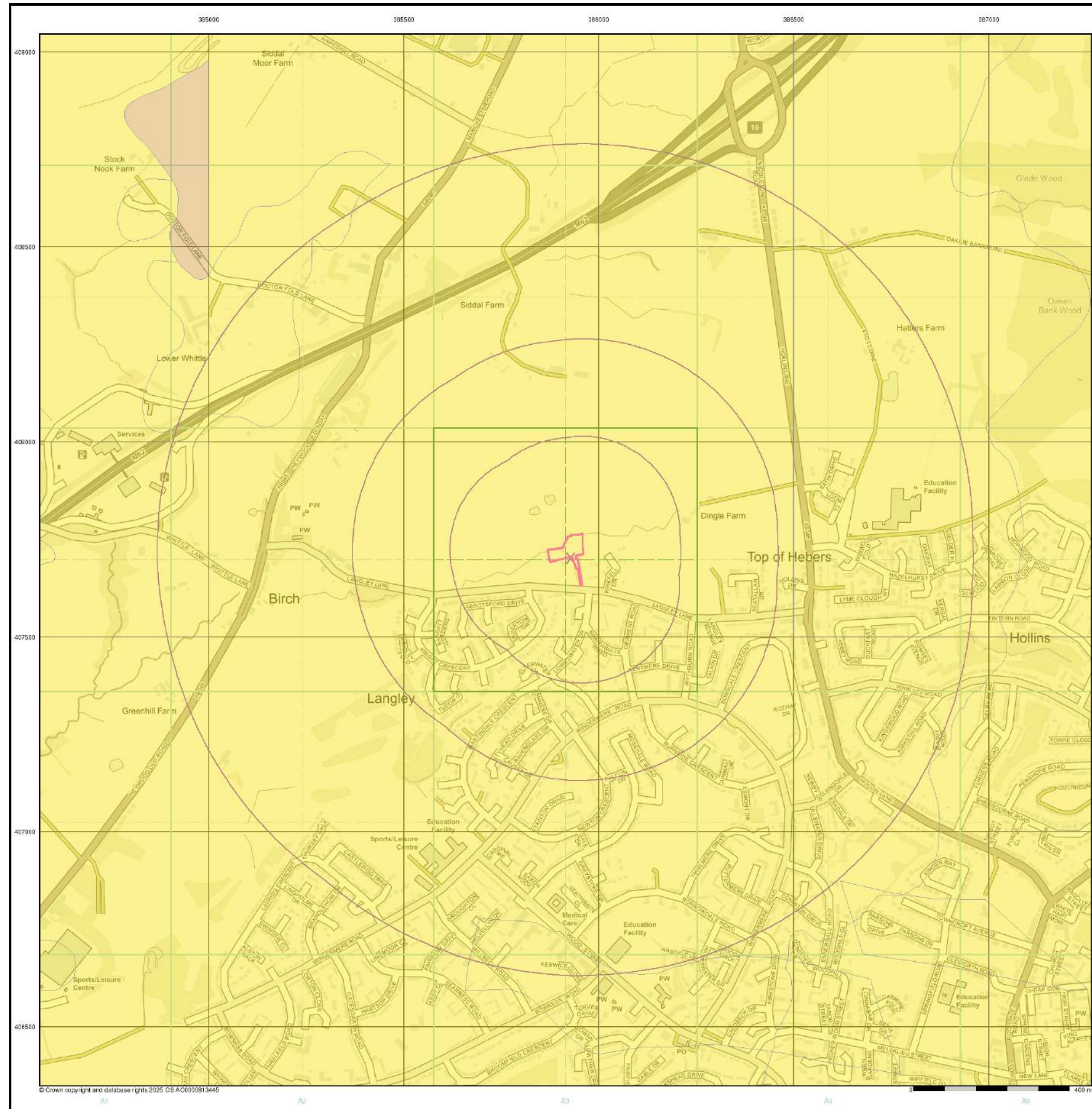
Order Details: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ



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

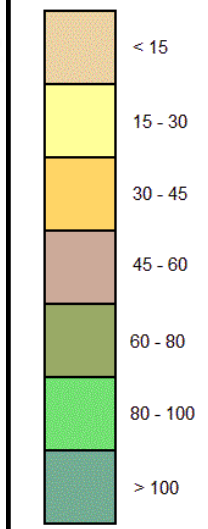


General

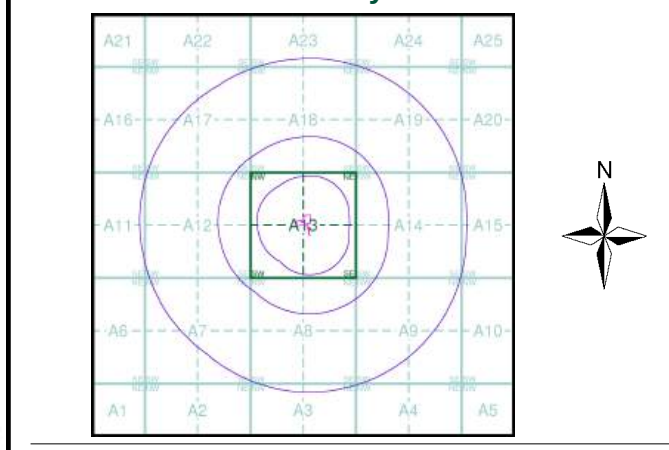
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

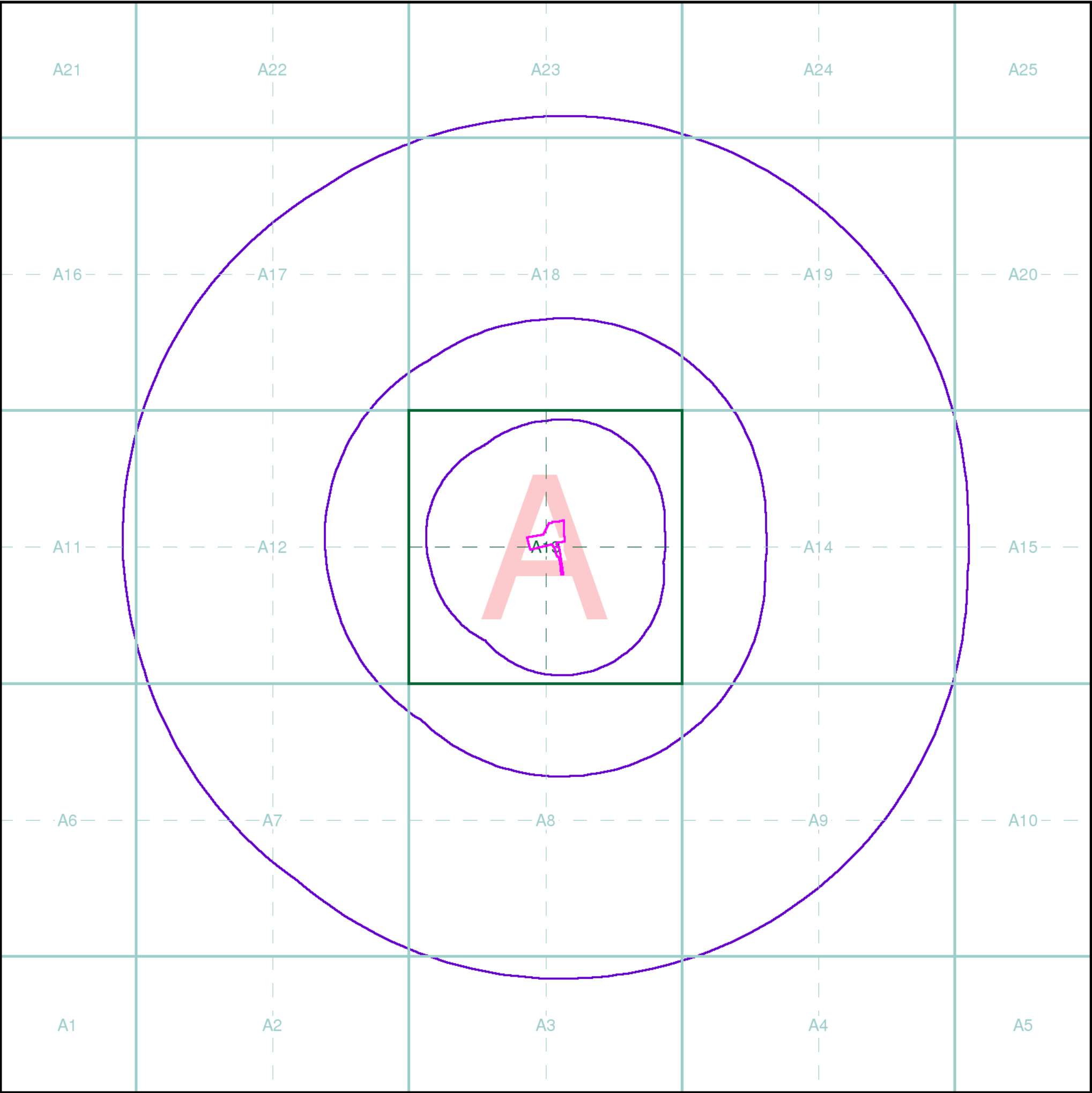


Order Details

Order Details: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385930, 407700
Slice: A
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langleigh Lane, Langleigh Lane Farm, Middleton, M24 5LJ



Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

L Consult, LK Consult Ltd, Unit 29 Eton Business Park, Eton Hill Road, Radcliffe, Greater Manchester, M26 2ZS

Order Details

Order Number: 372354437_1_1
Customer Ref: LKC251127
National Grid Reference: 385920, 407720
Site Area (Ha): 0.42
Search Buffer (m): 1000

Site Details

Langley Lane, Langley Lane Farm, Middleton, M24 5LJ

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>

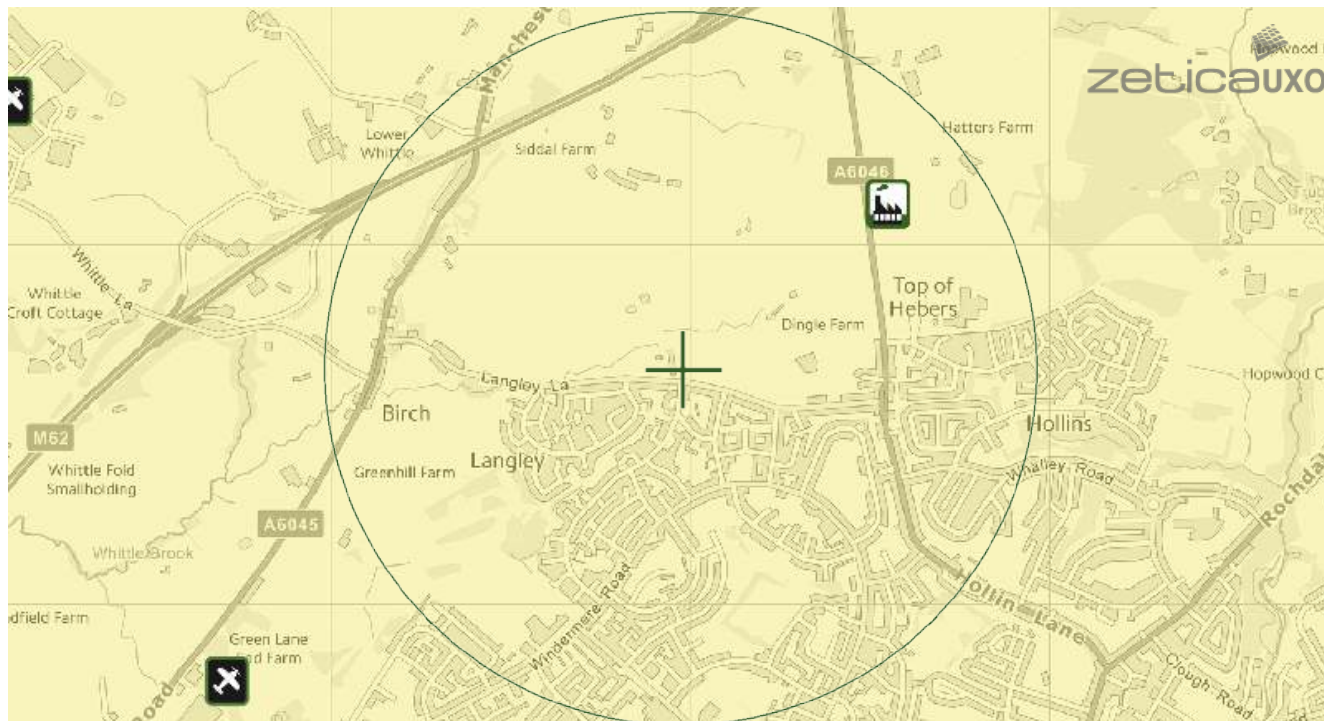
Appendix C – Zetica UXO Unexploded Bomb Risk Map

UNEXPLODED BOMB RISK MAP



SITE LOCATION

Location: M24 5LJ,
Map Centre: 385943,407663



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.

- Military**
- Industry**
- UXO find**
- Other**
- Transport**
- Docks**
- Luftwaffe targets**
- Utilities**
- Bombing decoy**
- Airfields**

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

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

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

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

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

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

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

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

If I have any questions, who do I contact?

tel: [+44 \(0\) 1993 886682](tel:+44201993886682) email: uxo@zetica.com web: www.zeticauxo.com

The information in this UXB risk map is derived from a range of sources and should be used with the [accompanying notes on our website](#).

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

Appendix D – Risk Evaluation

RISK EVALUATION

The method for risk evaluation is a qualitative method of interpreting the output from the risk estimation stage of the assessment, based on CIRIA 552¹⁵. 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 E - References

- ¹ Environment Agency, October 2020, "Land contamination risk management (LCRM). How to assess and manage the risks from land contamination".
- ² Ministry of Housing, Communities and Local Government, December 2024, "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 DEFRA & Environment Agency, March 2002, "Potential Contaminants for the Assessment of Land", R&D Publication CLR 8.
- ⁶ CL:AIRE, October 2021, "Good Practice for Risk Assessment for Coal Mine Gas Emissions".
- ⁷ Environment Agency, January 2009, "Updated technical background to the CLEA model", Science Report SC050021/SR3.
- ⁸ CIRIA, January 2001, "Contaminated land risk assessment. A guide to good practice", C552.
- ⁹ Health & Safety Executive, 1991, "Protection of Workers and the General Public during the Development of Contaminated Land", HSG66.
- ¹⁰ The British Standards Institution (BSI), December 2017, "Investigation of potentially contaminated sites. Code of practice - Code of practice", BS 10175:2011+A2:2017.
- ¹¹ The British Standards Institution (BSI), May 2020, "Code of practice for ground investigations", BS 5930:2015+A1:2020.
- ¹² CIRIA, December 2007, "Assessing risks posed by hazardous ground gases to buildings", C665.
- ¹³ CL:AIRE, November 2012, "A Pragmatic Approach to Ground Gas Risk Assessment", RB 17.
- ¹⁴ 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.
- ¹⁵ CIRIA, January 2001, "Contaminated land risk assessment. A guide to good practice", C552.

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

Manchester (Head Office)

**Unit 29
Eton Business Park
Eton Hill Rd, Radcliffe
M26 2ZS**

**0161 763 7200
info@thelkgroup.com**

Manchester (Ancoats Office)

**84 Silk Street
Ancoats
Manchester
M4 6BJ**

**0161 763 7200
info@thelkgroup.com**

Glasgow

**Wright Business Centre
1 Lonmay Road
Glasgow
G33 4EL**

**0141 773 6269
info@thelkgroup.com**

Swindon

**39 Bowman House Business Centre
Bowman Court
Whitehill Lane
Royal Wootton Bassett
Swindon
SN4 7DB**

**01793 987390
info@thelkgroup.com**



LK GROUP