

**31297-A REV 001
Phase 1 Desk Study
for
Ribblers Lane
Kirkby**

DOCUMENT CONTROL

Report title: Phase 1 / Desk Study Report
for the proposed construction of a new building at
Ribblers Lane
Kirkby

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CONTENTS

Executive Summary

1.0 Introduction

1.1 Assignment and Scope of Work

1.2 Site Location

1.3 Proposed Development

2.0 Methodology

3.0 Site Characterisation

3.1 Walkover Survey

3.2 Historical Summary

3.3 Geology and Anticipated Ground Conditions

3.4 Ground Stability

3.5 Hydrology

3.6 Hydrogeology

3.7 Hazardous Ground Gases

3.8 Unexploded Ordnance

3.9 Other

4.0 Conceptual Site Model and Preliminary Risk Assessment

5.0 Further Investigation

6.0 Summary and Recommendations

Appendices

Appendix A Envirocheck Report

Appendix B Unexploded Bomb Risk Map

Appendix C General Reporting Conditions

EXECUTIVE SUMMARY

Objective:	Phase 1 Desk Study / Preliminary Risk Assessment Report.
The Site:	Land between Ribblers Lane and Hedgecote, Kirkby.
The Proposal:	Construction of a new building.
Site History:	Appears to have always been open land.
Geology:	The site is underlain by recent superficial deposits overlying bedrock.
Conceptual Site Model:	No particular risks envisaged.
Hazard rating:	Low Risk
Recommendations:	Phase 2 Intrusive investigation required to assess the potential environmental risks, and to obtain geotechnical data for foundation design.

1.0 INTRODUCTION

1.1 Assignment and Scope of Work

On the instructions of Alex Halford, a Phase 1 Desk Study / Preliminary Risk Assessment report has been prepared by SEP Technical for the proposed development of land between Ribblers Lane and Hedgecote, Kirkby.

This report includes a review of existing geo-environmental information together with a study of former potentially contaminative land uses to allow the production of a Conceptual Site Model and Preliminary Risk Assessment in relation to the land and the proposed construction of a new plant room.

1.2 Site Location

The site is located on the north east side of Ribblers Lane, Kirkby at Grid Reference 341360,397130.

A more detailed review of site conditions is provided in section 3.1 of this report.

1.3 Proposed Development

It is understood that it is proposed to construct a two storey building with associated parking bays.

2.0 METHODOLOGY

This has been achieved by a detailed study of available information on:

- Soil and groundwater conditions within the general area of the site.
- Possible ground related geotechnical and contamination hazards within the site boundaries that may affect the proposed development.

The report also provides preliminary development recommendations and advice on further works required for a cost-effective reduction of risks to the development and procedures likely to satisfy regulators.

The report has been compiled with reference to the following guidance:

- Land contamination: risk management published by the Environment Agency April 2021.
- ISO 21365:2019 "Soil quality – Conceptual site model for potentially contaminated sites".

It should be noted that the Planning Authority when dealing with applications involving the re-development of land that may have past history of former potentially contaminated land uses will require a series of reports as listed below:

- Phase 1 Desk Study / Preliminary Risk Assessment.
- Phase 2 Intrusive Investigation and revised Preliminary Risk Assessment.
- Phase 3 Remediation Strategy.
- Phase 4 Verification Report

3.0 SITE CHARACTERISATION

3.1 Walkover Survey

A detailed walkover survey was carried out on 23rd February 2023.

The site is relatively flat and comprises a narrow strip of undeveloped land directly adjacent to Ribblers Lane and Hedgecote.

It is surrounded by mature trees and covered by overgrown vegetation and occasional trees.

There is no visible evidence that the site is contaminated in any way.

Significant factors identified at this stage

As trees are present on the site, if the land is underlain by clay soils the potential effects of shrinkage / swelling of the foundation materials must be considered.

3.2 Historical Summary

In order to establish a history of land uses at and adjacent to the site an Envirocheck Report was obtained from the Landmark Information group dated 12th February 2023.

This report includes a full set of historical plans of the area from 1893 to the present day at various scales and a summary of this information is presented on the following table.

It should be noted that the historical maps do not provide a comprehensive site history but only a source of snapshots in time and that between map dates there could have been transient land uses which have not been recorded.

In addition, not all of the uses are recorded on the maps for example small unmarked buildings.

Anecdotal information can often be a source of useful detail and if more specific particulars are needed, reference may be made to relevant trade directories.

MAP	SCALE	THE SITE	ADJACENT AREAS
Lancashire and Furness Published 1893	1:2500	The site is shown as open land.	Sefton Arms Cottages to the northwest of the site on the northeast side of Ribblers Lane and development opposite the site on the southwest of Ribblers Lane including a pair of cottages and two pond areas.
Lancashire and Furness Published 1908	1:2500	No significant changes	No significant changes other than a Nursery is shown on the southwest side of Ribblers Lane beyond the two pond areas.

Lancashire and Furness Published 1927	1:2500	No significant changes	No significant changes
Ordnance Survey Published 1959	1:2500	No significant changes	No significant changes other than the Nursery is not now shown with only a single pond on the southwest side of Ribblers Lane. Residential housing is shown to the northeast of the site but still separated by open land.
Ordnance Survey Published 1974	1:1250	No significant changes	The pond area on the southwest of Ribblers Lane is no longer shown. The housing development to the northeast of the site has been extended such that Hedgocote forms the directly adjacent boundary of on this side of the site.
Ordnance Survey Published 1993	1:1250	No significant changes	No significant changes

In summary, the site has not been subject to any previous uses and has always been shown as open undeveloped land.

Significant factors identified on historical plans

No evidence that the site should be underlain by made ground with the potential for ground contamination.

3.3 Geology and Anticipated Ground Conditions

Information published by the British Geological Survey suggests the site is underlain by rocks of the Chester Formation of Triassic age, with a surface covering of Shirdley Hill Formation of the Quaternary age.

There are no available close boreholes around the site that could indicate the thickness of the Shirdley Hill Sand and if this deposit is underlain by glacial till or rests directly on sandstone bedrock.

Significant factors identified from BGS information

On the assumption that there is no made ground across the site it is likely that the development can be supported by shallow strip footings.

3.4 Ground Stability

The site is not within an area affected by any potential hazards due to ground instability for example any collapsible / compressible ground.

Significant ground stability risks

None anticipated at this stage

3.5 Hydrology

The nearest significant surface water feature is in excess of 150m from the site and as a consequence the Environment Agency have no records of:

- Discharge consents
- Pollution incidents
- Licensed abstractions

with respect to surface water in close proximity to the site.

In terms of flood risk, the area of the site has been classified as of very low risk for flooding from rivers or seas, but is designated as potentially affected as low risk for flooding to occur due to surface water.

The site is shown as of limited potential for groundwater flooding to occur.

However, such flooding could only occur if permeable soils were present at or close to existing ground level within which groundwater could collect and the water table rise in adverse weather conditions.

In this case as it is anticipated that the site is likely to be underlain by the Shirdley Hill Sands the possibility for such flooding is evident

Significant factors from hydrological / flood risk factors

It is recommended that a detailed flood risk assessment is carried out for the site.

3.6 Hydrogeology

The overall hydrogeology of the site and the general area is shown on a series of maps provided by the Environment Agency which indicate:

- Bedrock is classified as a Principal Aquifer.
- The superficial deposits are classified as Secondary Aquifer A
- Groundwater vulnerability of the site is classified as High.

In theory it could be argued that if the land was underlain by significantly contaminated made ground then leaching could potentially affect the quality of groundwater.

However, at this stage there is not any indication that the ground beneath the site should be affected by significant ground contamination and in this situation any potential leaching should be restricted severely thereby resulting in only negligible effects on the quality of groundwater in the underlying aquifers.

Furthermore, there are no licensed groundwater abstractions or pollution incidents to affect the quality of groundwater in the vicinity of the site.

Significant factors from hydrogeological data
--

Negligible risk to the quality of groundwater.

3.7 Hazardous Ground Gases

Radon is a gas formed by the radioactive decay of small amounts of uranium that occur naturally in all soils and rocks.

However, significant volumes of this gas are only produced in areas underlain by particular rock types not present in this area.

As a consequence, the site is not classified as in an area requiring protection against radon and any new buildings will not require the inclusion of any specific protective measures.

Other harmful gases may occur due to anthropogenic activities such as disposing of biodegradable wastes by landfilling.

Methane and carbon dioxide in particular are generated by the biodegradation of waste materials which are normally deposited at landfill sites and in certain conditions these hazardous gases can migrate laterally to affect land well beyond the actual landfill itself.

In this particular case there are no recorded historic landfill sites or backfilled mineral workings within close proximity to the site.

However, the old pond feature noted on the historical plans on the southwest side of Ribblers Lane has been classified as potentially infilled land but there is no evidence to suggest that this was backfilled with bio-degradable material capable of producing hazardous gases that could have migrated to affect the development site.

Significant risks identified
No potential risks envisaged at this stage.

3.8 Unexploded Ordnance

As can be seen on the Unexploded Bomb Risk Map in **Appendix B** the site lies within an area shown as low risk from encountering Unexploded Ordnance so no further action is necessary at this stage.

Significant risks from UXO
Site classified as Low Risk

3.9 Other

The following topics have not been researched at this stage

- Archaeology
- Invasive Plants
- Ecology

4.0 CONCEPTUAL SITE MODEL AND PRELIMINARY RISK ASSESSMENT

Using the information gathered to allow compilation of this report and discussed in Section 3.0 above, a Conceptual Site Model has been prepared using the Source – Pathway – Receptor methodology as shown on the following table.

This methodology applies to potential contaminants in all three phases namely solid, liquid or gaseous.

As a starting point, there must be an identifiable SOURCE of contamination which:

- In its solid form could cause problems to human health.
- If subject to leaching could potentially result in contaminated groundwater.
- If containing a proportion of biodegradable materials could result in the production of hazardous gases.

On the assumption that a source has been identified there must be a credible PATHWAY for the contamination to affect any designated RECEPTOR.

Consequently, the following potential pathways and receptors have been identified:

- Construction workers could be exposed to potentially contaminated made ground by dermal contact, inhalation, or ingestion.
- Contaminants within the made ground could be mobilised by leaching and potentially affect the quality of both surface and underground waters.
- If any hazardous gases are present in the ground these would need appropriate control in the construction of any new buildings with the incorporation of precautionary measures to protect site users from possible explosions and / or asphyxiation,

For there to be an identifiable risk then there must be clear linkage between each part of the chain otherwise there is no risk.

In terms of the potential ground contaminants that may affect a site, these include a common range of substances including metals, polycyclic aromatic hydrocarbons, speciated TPH's, and Asbestos.

SOURCE	PATHWAY	RECEPTOR	RISK ASSESSMENT	LINKAGE
Contaminants in made ground including metals, PAHs TPHs and Asbestos	Ingestion / dermal contact / inhalation	Current site users	As significant ground contamination is not anticipated at the site it is considered there are no potential risks to current users.	Not Viable
		Construction workers	As ground contamination is not anticipated at the site there are no potential risks to construction workers but if any made ground is found this will need to be considered as potentially contaminated.	Only Potentially Viable
		Site users after re-development	The development proposals includes garden areas which will need appropriate treatment if any	Only Potentially Viable

			contaminated made ground is found.	
		Adjacent Land users	Assuming appropriate practices such as wheel washing of vehicles in / off site and dust control are taken any significant risks are considered to be minimal.	Not Viable
	Uptake in root zone	Plants	The development proposals includes garden areas which will need appropriate treatment if any contaminated made ground is found.	Only Potentially Viable
Mobile contaminants in made ground including metals and PAHs	Leaching from made ground	Groundwater	Despite the site being underlain by aquifers with high vulnerability, the anticipated made ground at the site results in a negligible risk to the quality of groundwater at this stage.	Only Potentially Viable
	Off-site migration in groundwater	Surface Water	No nearby adjacent surface water courses	Not Viable
Hazardous vapours from volatile contaminants	Inhalation of vapours	Current site users	No reason to anticipate any problems from this source.	Not Viable
		Construction workers		
		Site Users after re-development		
		Adjacent users		
Landfill gases from the made ground	Emissions from the ground collecting in excavations / confined spaces on / off site.	Current site users	No reason to anticipate any problems from this source.	Not Viable
		Construction workers		
		Site Users after re-development		
		Adjacent land users		
Radon	Emissions from the ground	Construction workers	The site is in an area where no specific radon protective measures are required in the construction of new buildings.	Not Viable
		Site users after re-development		

Ground conditions aggressive to buried concrete	Direct contact	Underground structures	Buried concrete will need appropriate protection from aggressive ground conditions	Viable
Ground instability	Differential settlements	Structures	No reason to anticipate any problems from this source.	Not Viable.

From a study of the Conceptual Site Model it appears that in the presumed absence of any potentially contaminated made ground at the site then the only viable risk is the protection of concrete within the ground due to aggressive ground conditions.

However, if made ground is encountered then there could be potential viable risks concerning the safety of construction workers, possible treatment of garden areas and the quality of groundwater which will all require further assessment.

5.0 FURTHER INVESTIGATION

A Phase 2 Intrusive Investigation will be required to gather information on:

- The degree of contamination of any made ground proved at the site and / or the topsoil if suitable for reuse.
- Geotechnical properties of the underlying superficial deposits.

It is anticipated that this will be achieved by sinking a number of window sampler boreholes across the site with appropriate in-situ testing and soil sampling to ensure sufficient information is obtained for foundation design.

6.0 SUMMARY AND RECOMMENDATIONS

The Phase 1 study has established that the site has always been recorded as open land.

A Phase 2 Ground Investigation will be required to produce a revised risk assessment as appropriate, and information on foundation design.

As noted previously a Phase 3 Remediation Strategy and Phase 4 Verification Report will be produced at the appropriate time.

This report should not be considered to be exhaustive and any opinions only relate to the purpose for which the report was commissioned. It should be noted any risks identified in this report must be regarded as perceived risks and based purely on the information reviewed, and it must also be noted that the actual risks at the site can only be assigned after the completion of the Phase 2 Intrusive Investigation report has been completed.

APPENDIX A ENVIROCHECK REPORT

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		
	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		
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

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

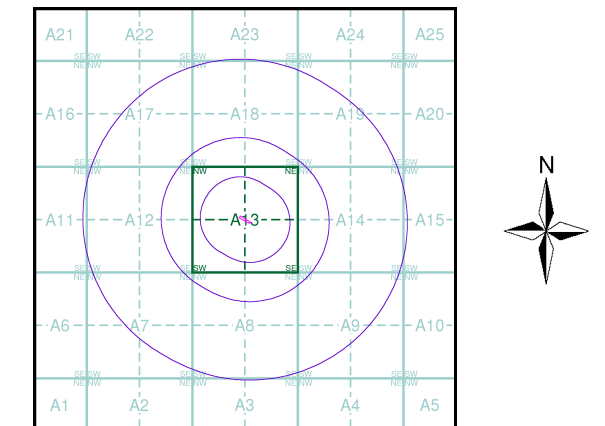
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1850	3
Lancashire And Furness	1:10,560	1894	4
Lancashire And Furness	1:10,560	1909	5
Lancashire And Furness	1:10,560	1928	6
Lancashire And Furness	1:10,560	1928	7
Lancashire And Furness	1:10,560	1928	8
Lancashire And Furness	1:10,560	1938	9
Lancashire And Furness	1:10,560	1939	10
Ordnance Survey Plan	1:10,000	1956	11
Ordnance Survey Plan	1:10,000	1966	12
Liverpool	1:10,000	1974	13
Ordnance Survey Plan	1:10,000	1978	14
Ordnance Survey Plan	1:10,000	1990	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2022	18

Historical Map - Slice A



Order Details

Order Number: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

137, Ribblers Lane, LIVERPOOL, L32 7RA

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Web: www.envirocheck.co.uk

Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

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

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

Power Station, drawn to scale Hydroelectric Power Station

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

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

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

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

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

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

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

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

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

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

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

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

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

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

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

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

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

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

Well Water Reservoir or Rain Water Pit Spring Isobath with value

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

Coniferous Deciduous Mixed Scrub

Key to Numbers on Mapping

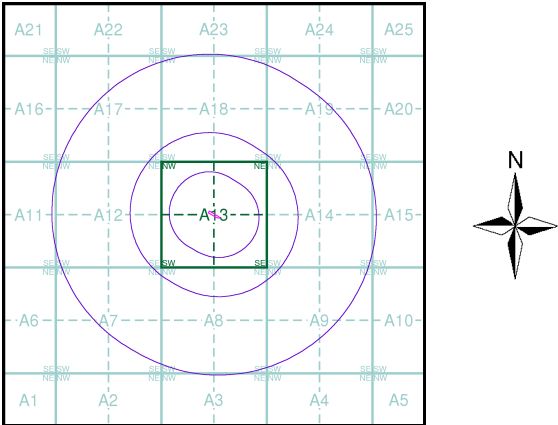
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10K Raster Mapping	1:10,000	1999	16
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Russian Map - Slice A



Order Details

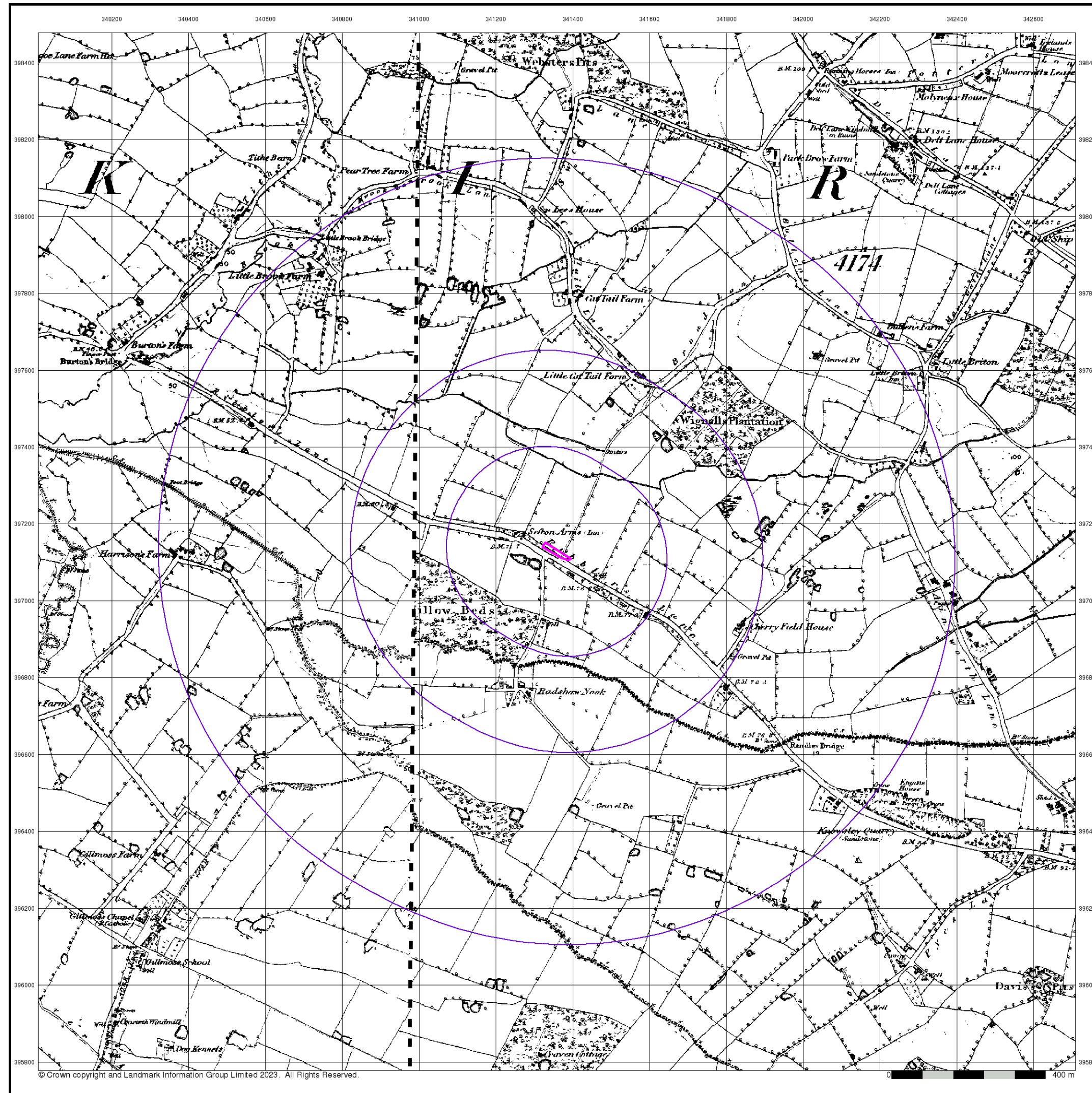
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Customer Ref: 23-2325
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Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

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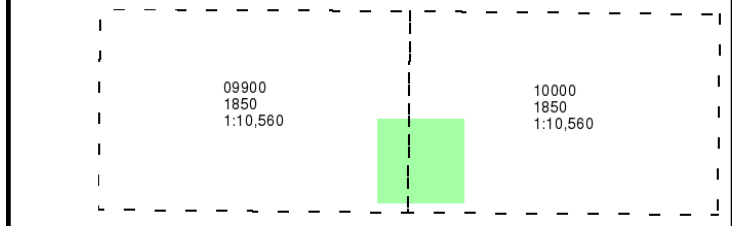
Lancashire And Furness

Published 1850

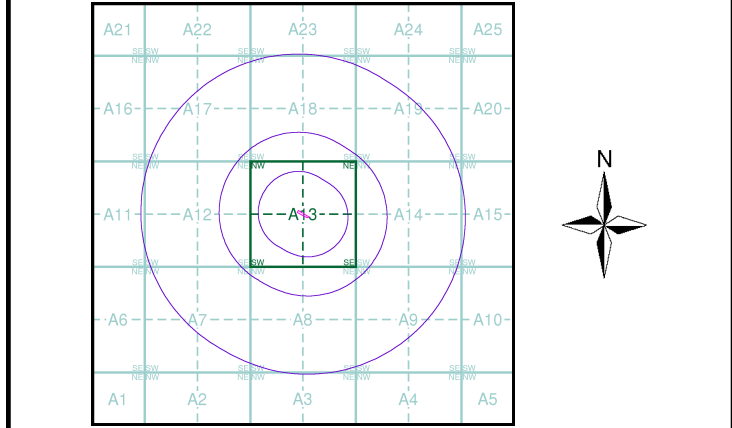
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

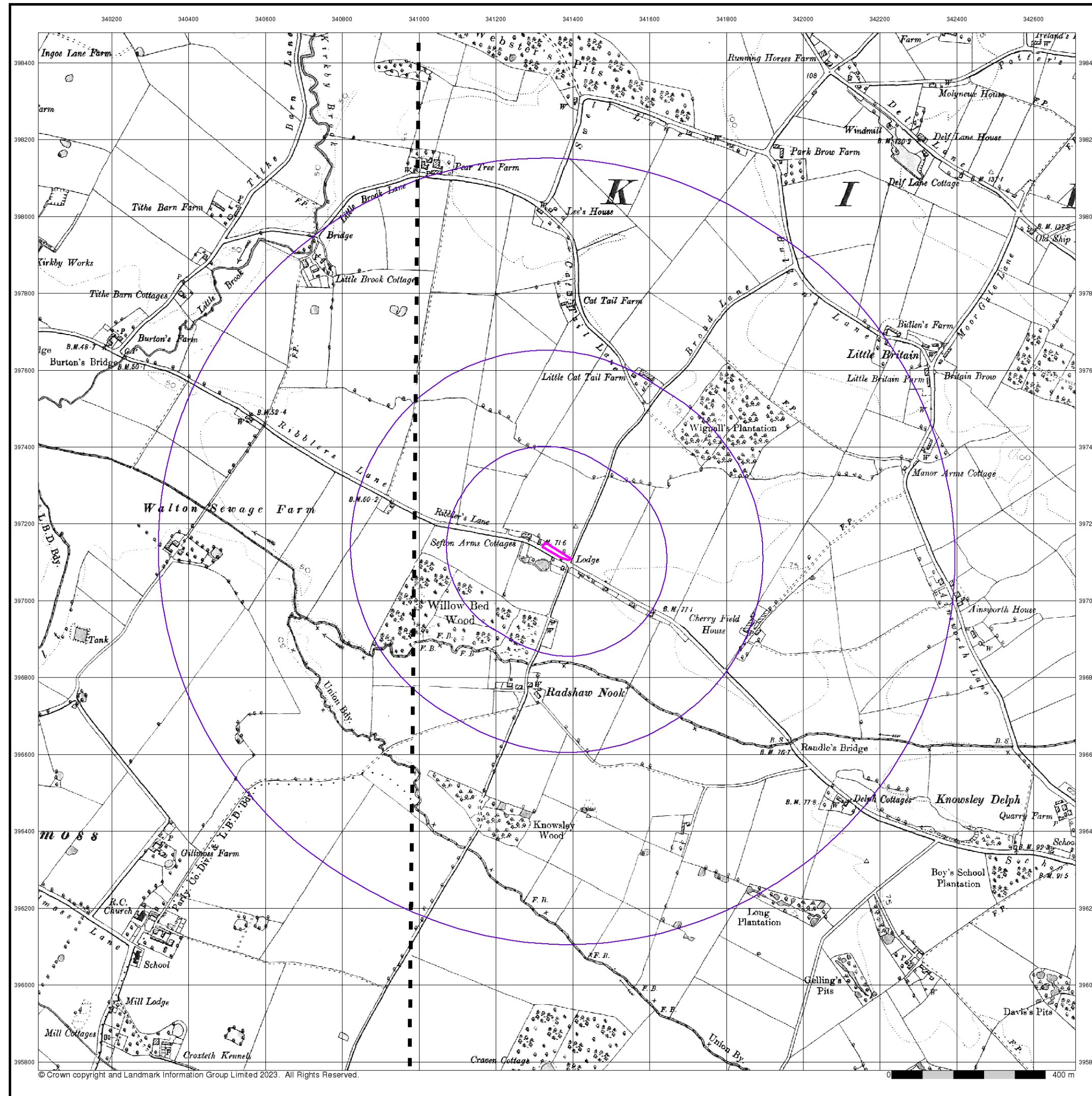


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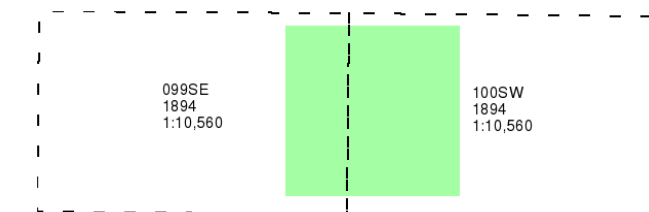
Lancashire And Furness

Published 1894

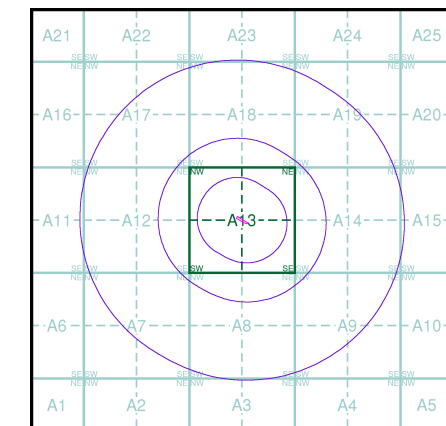
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Historical Map - Slice A



Order Details

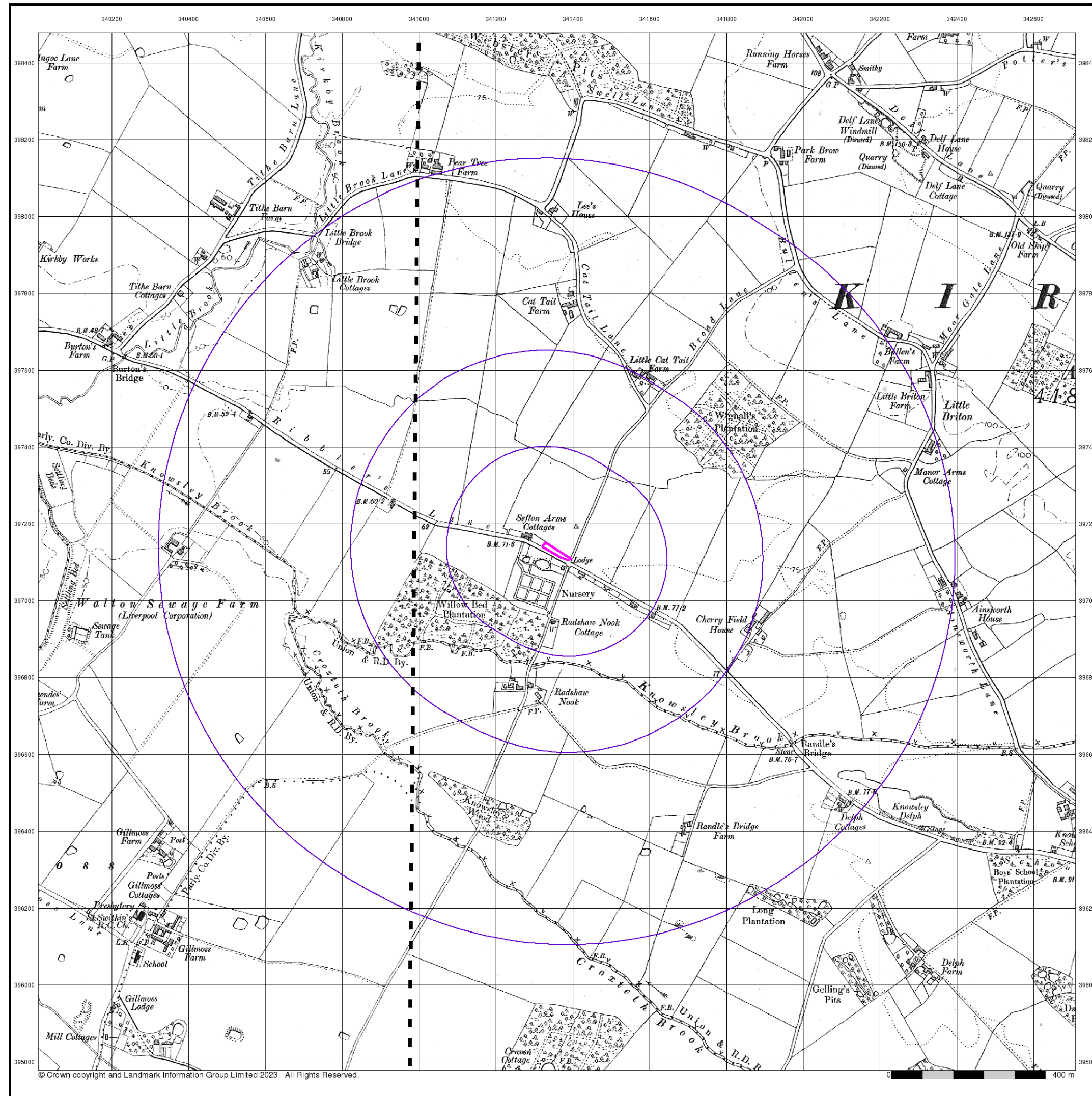
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Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

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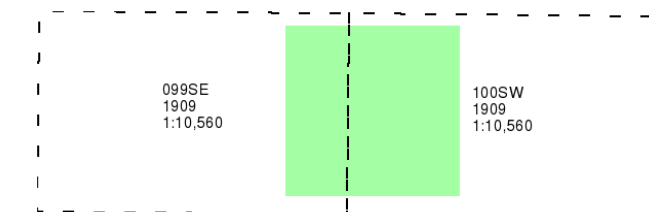
Lancashire And Furness

Published 1909

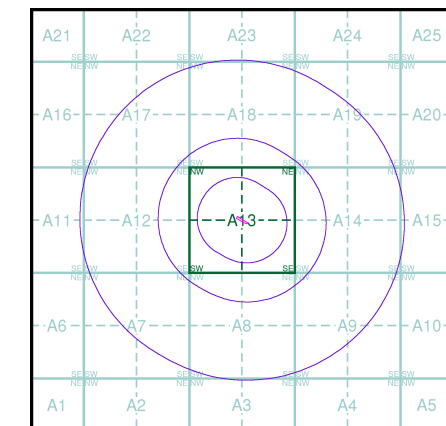
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

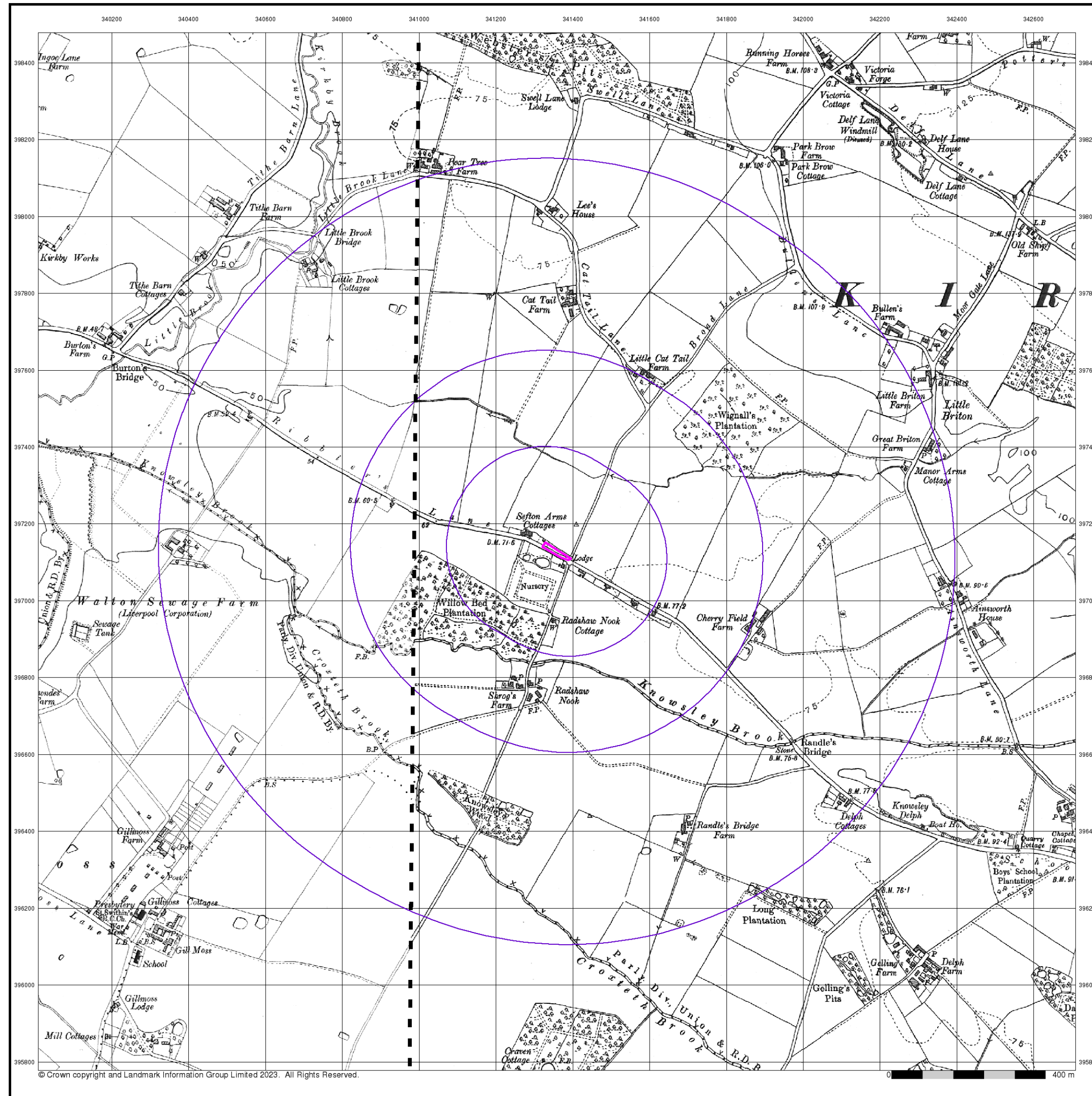
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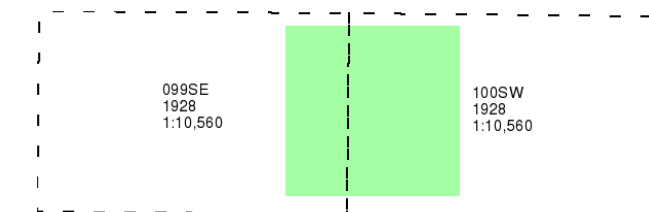
Lancashire And Furness

Published 1928

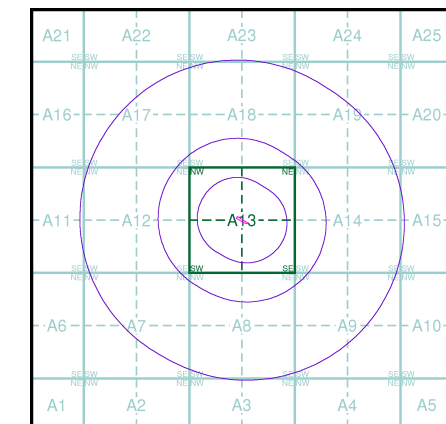
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Map Name(s) and Date(s)



Historical Map - Slice A



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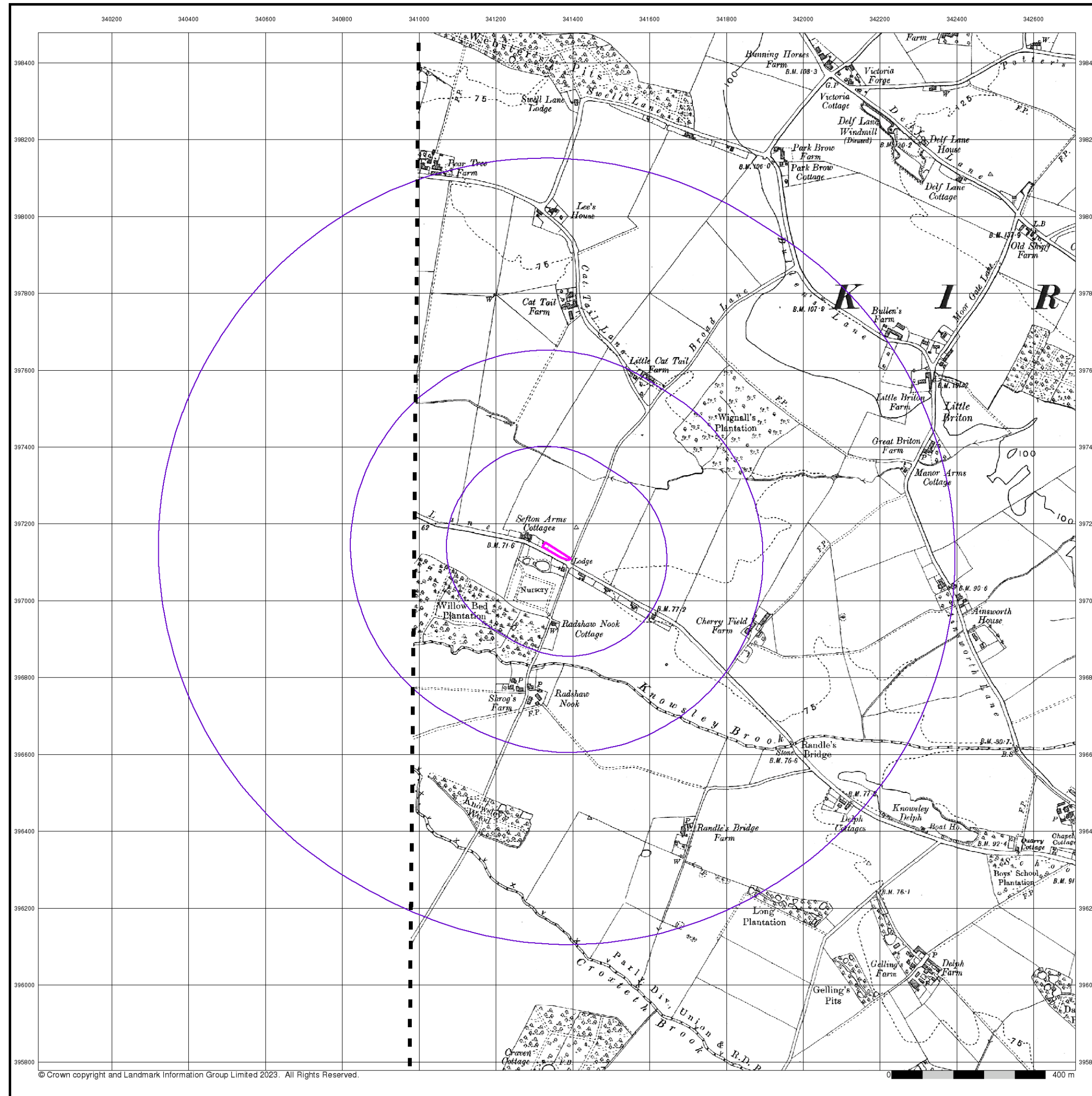
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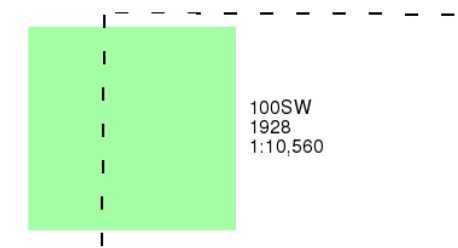
Lancashire And Furness

Published 1928

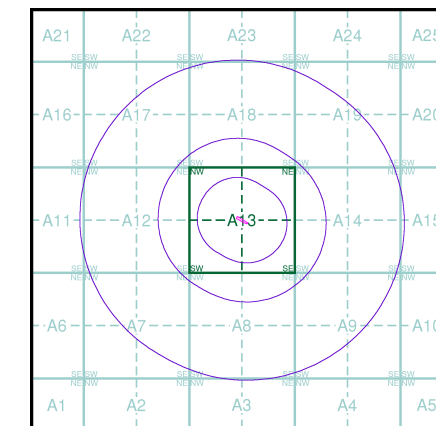
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Map Name(s) and Date(s)



Historical Map - Slice A



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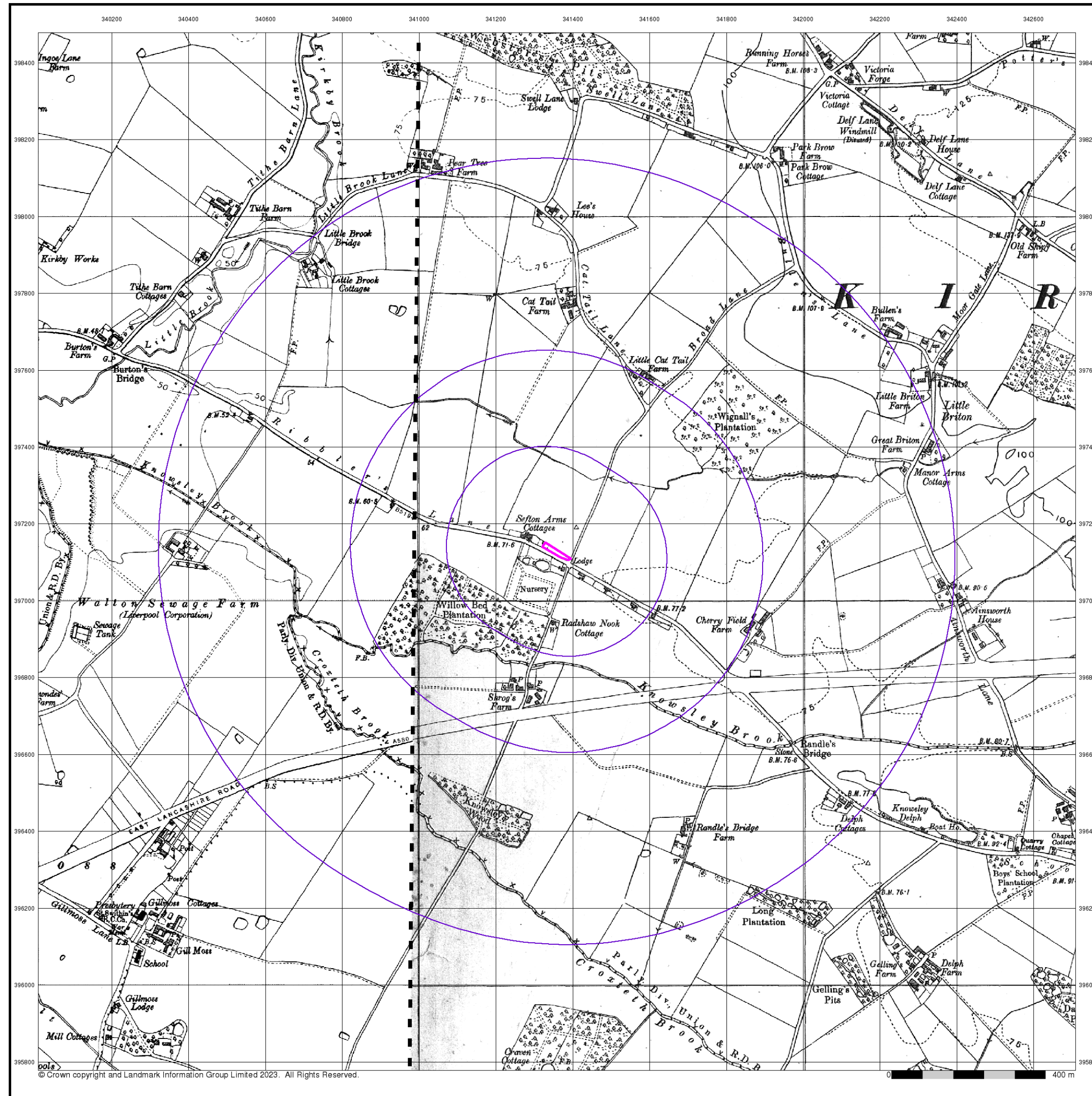
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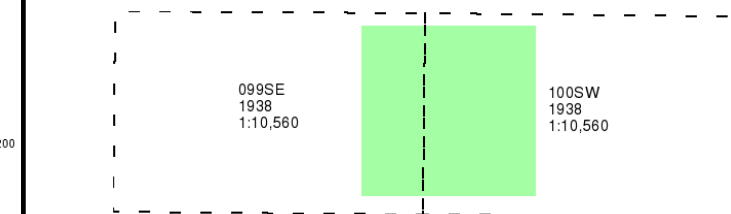
Lancashire And Furness

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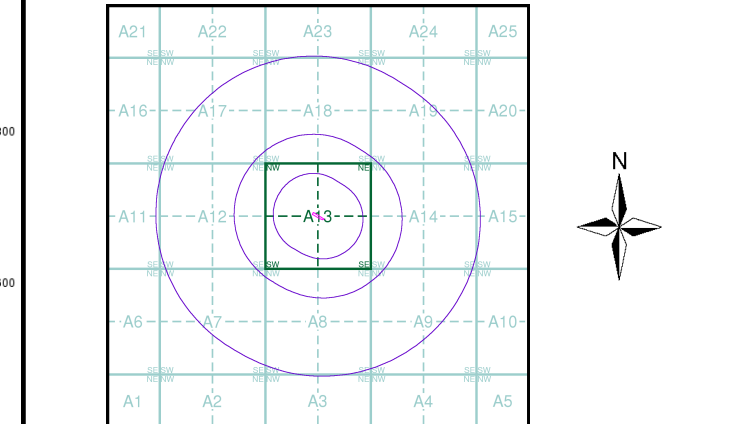
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Map Name(s) and Date(s)



Historical Map - Slice A



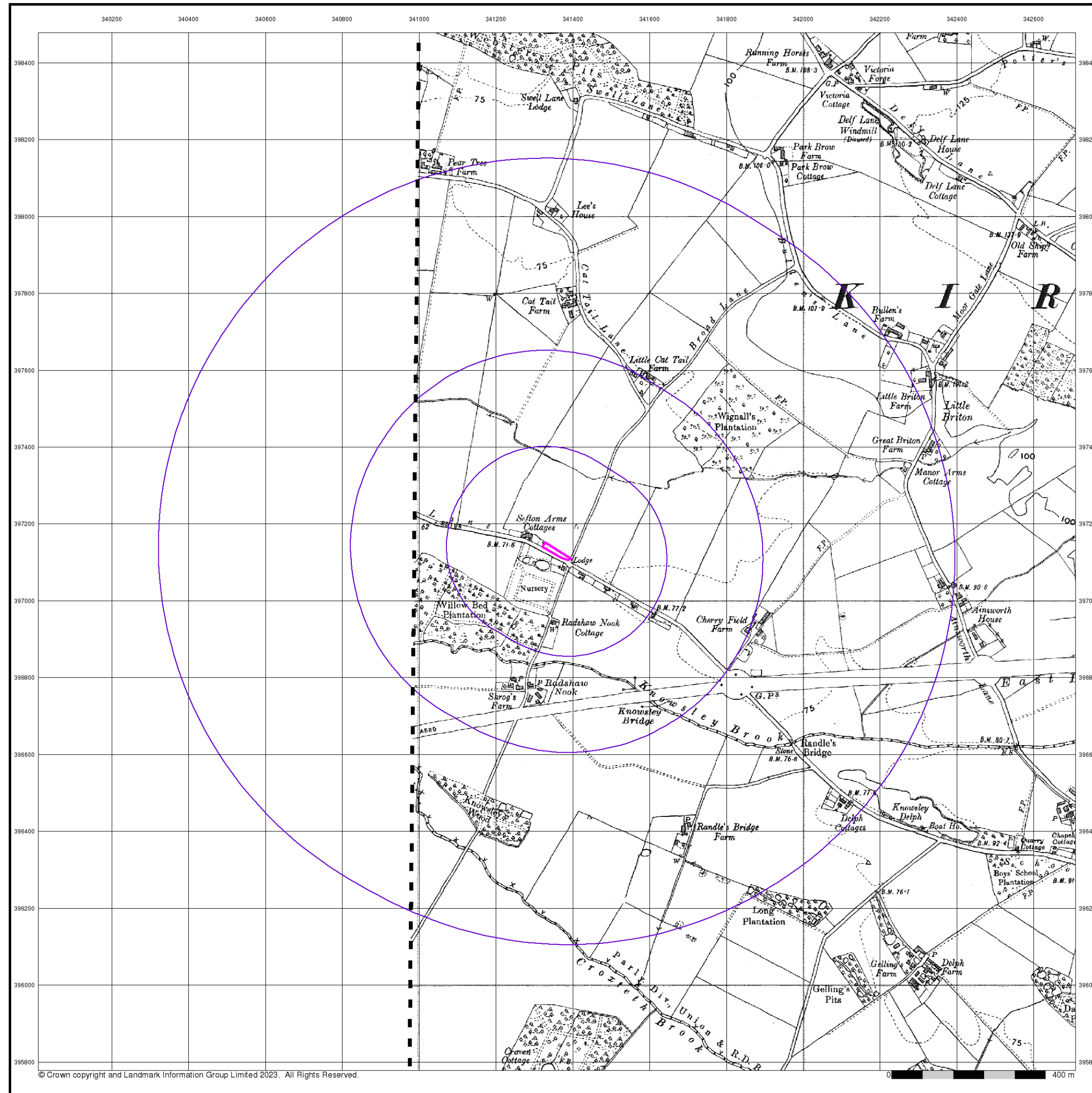
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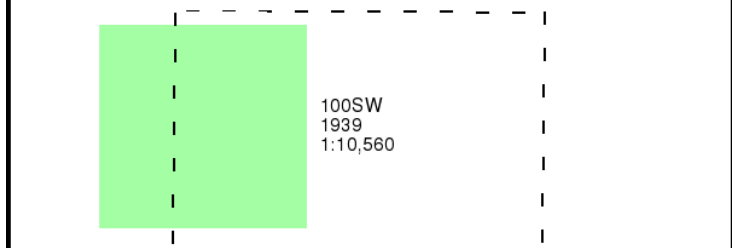
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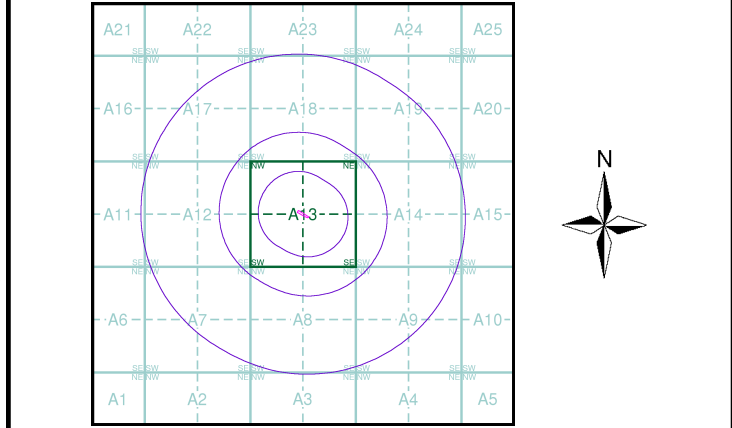
Source map scale - 1:10,560

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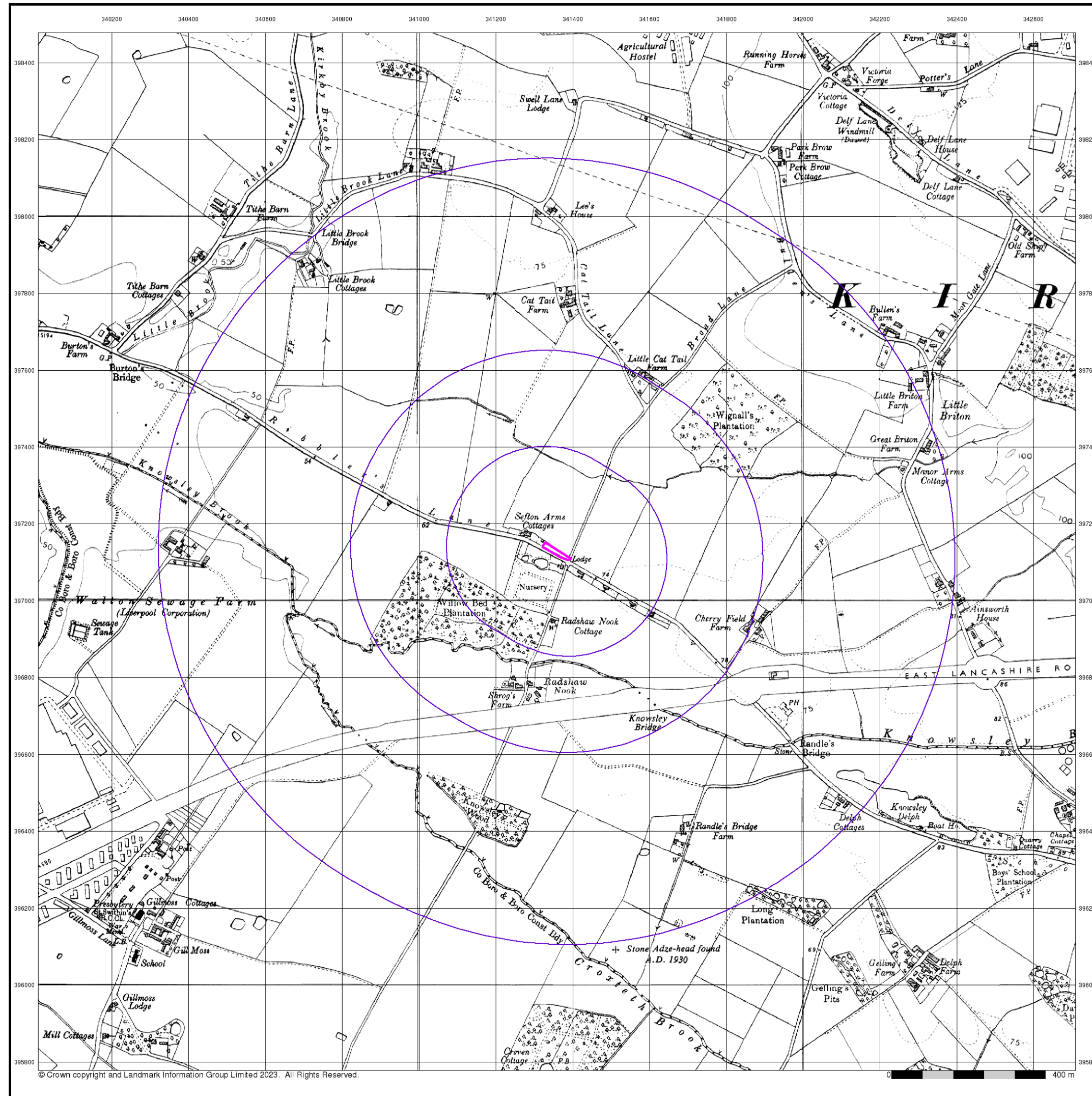


Historical Map - Slice A



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Site Details
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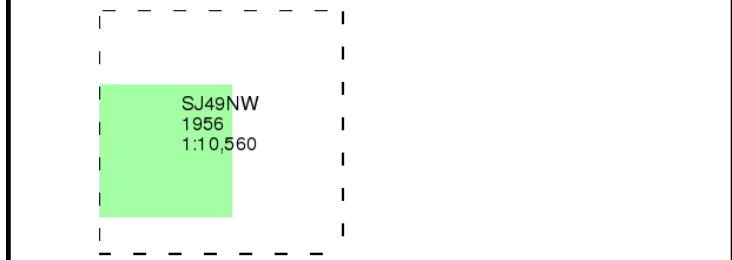
Ordnance Survey Plan

Published 1956

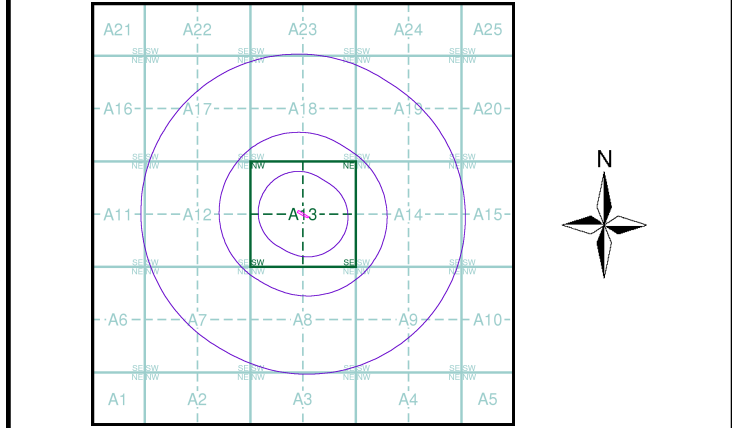
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Map Name(s) and Date(s)



Historical Map - Slice A

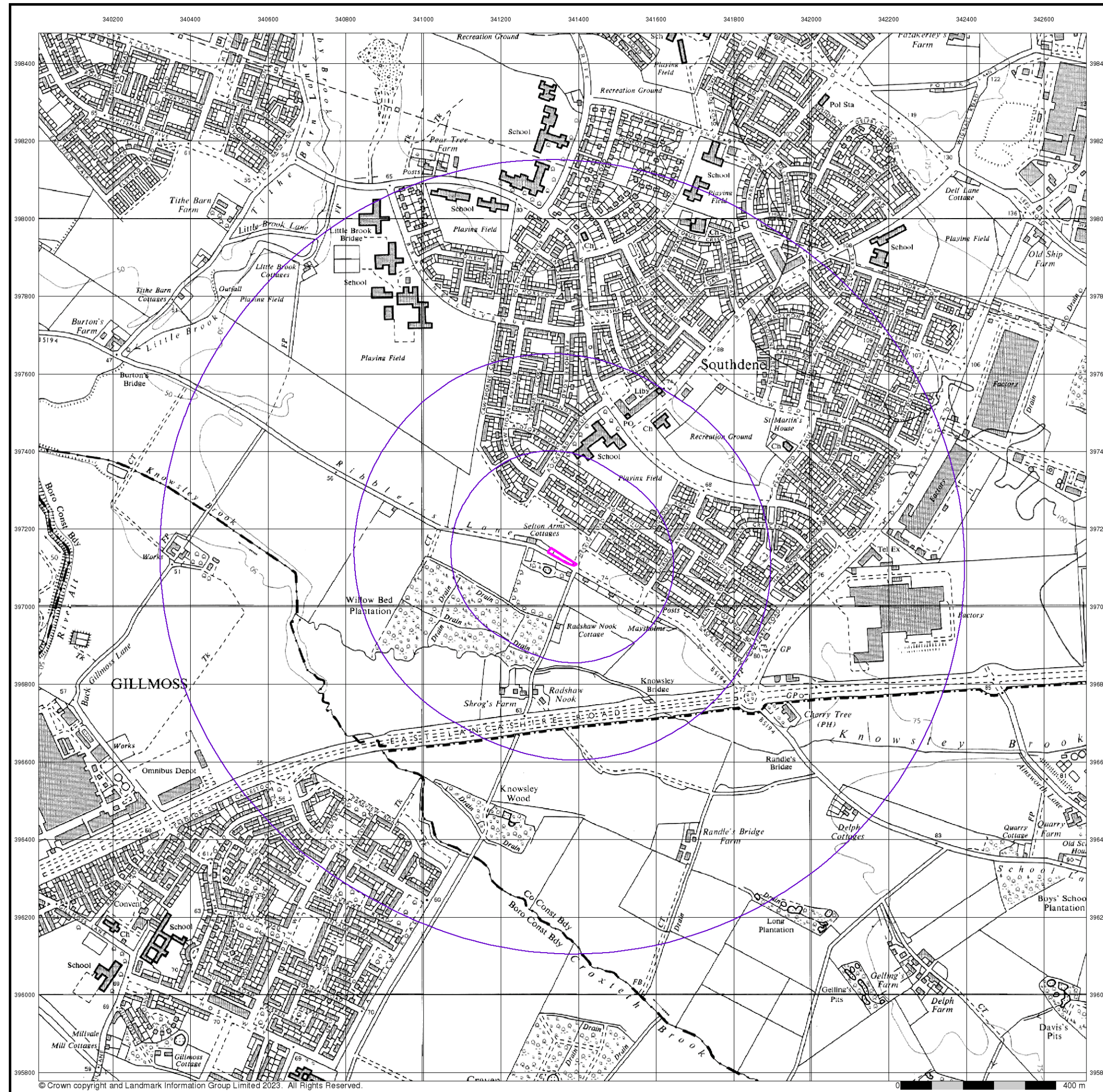


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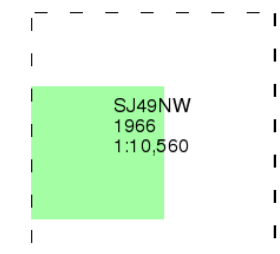
Ordnance Survey Plan

Published 1966

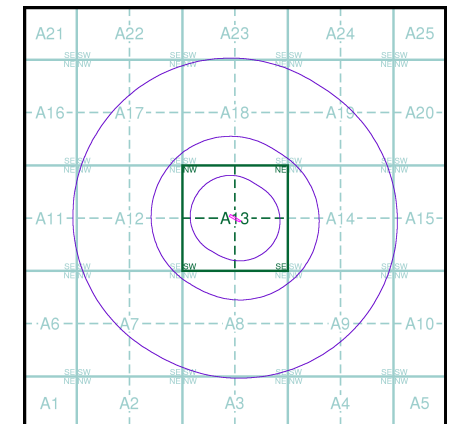
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

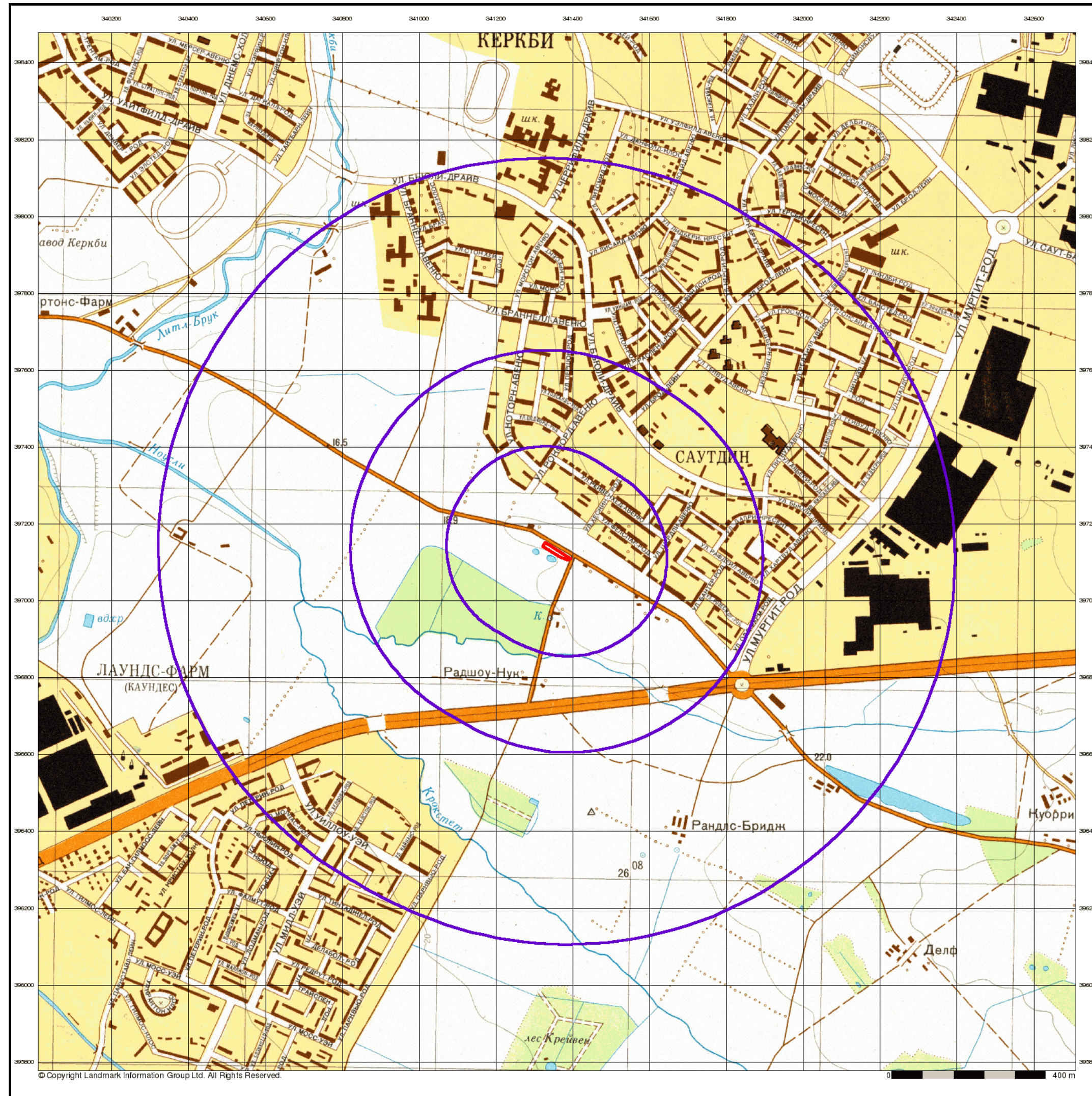
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Liverpool

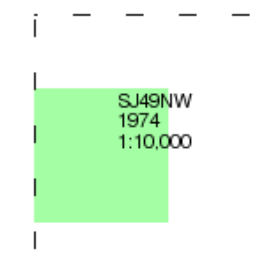
Published 1974

Source map scale - 1:10,000

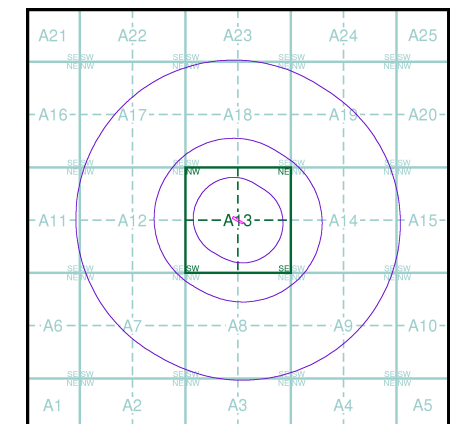
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A

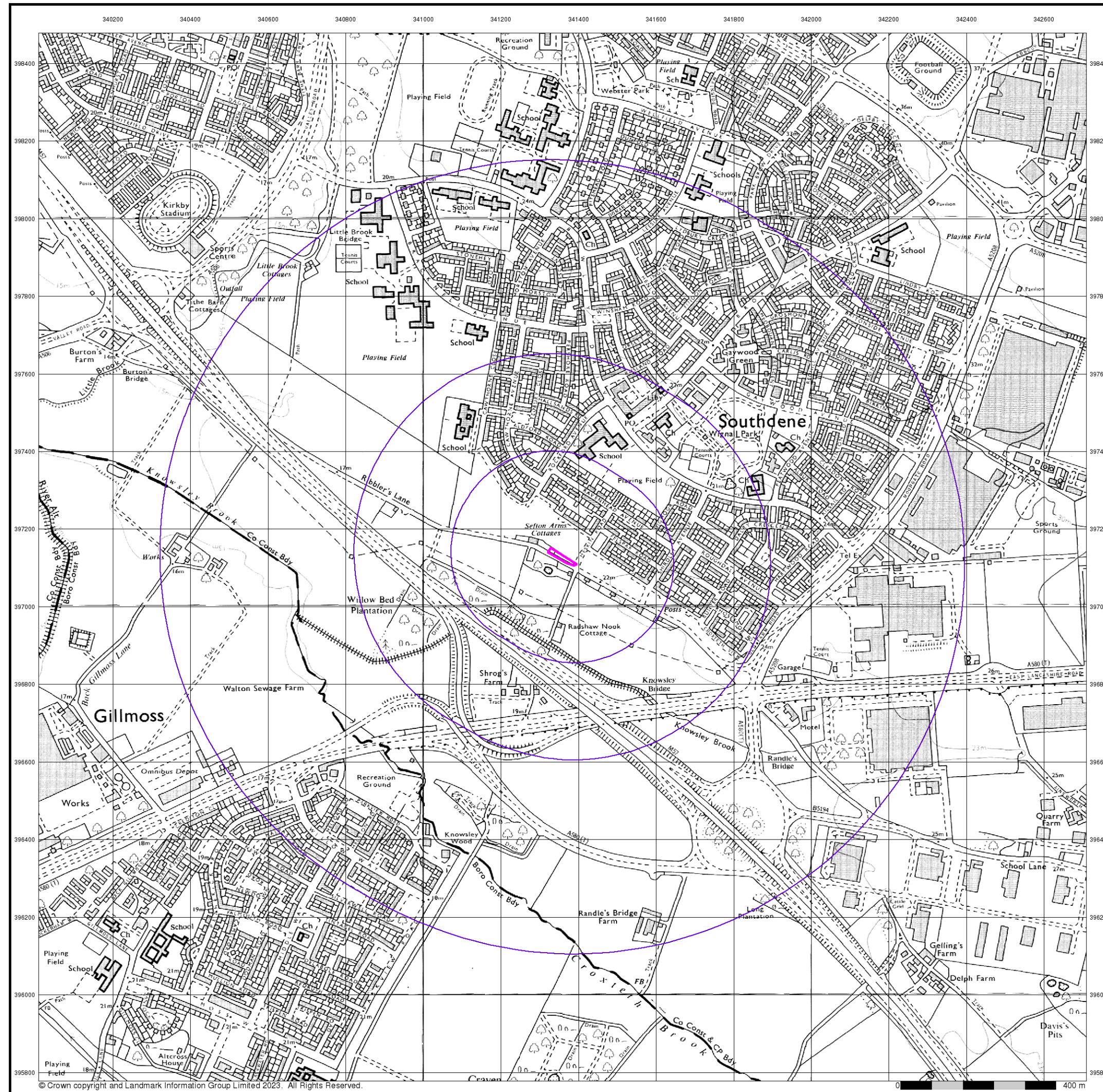


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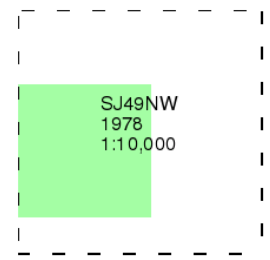
Ordnance Survey Plan

Published 1978

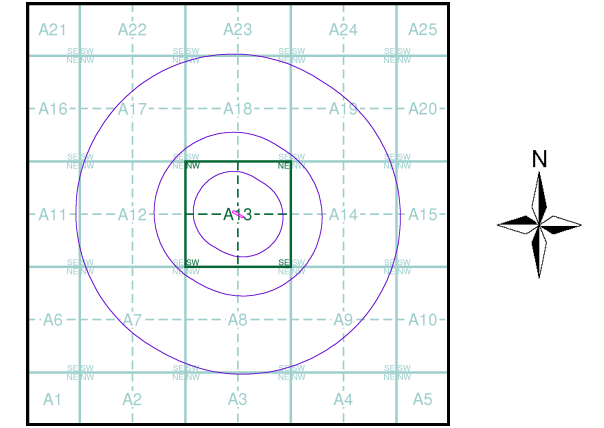
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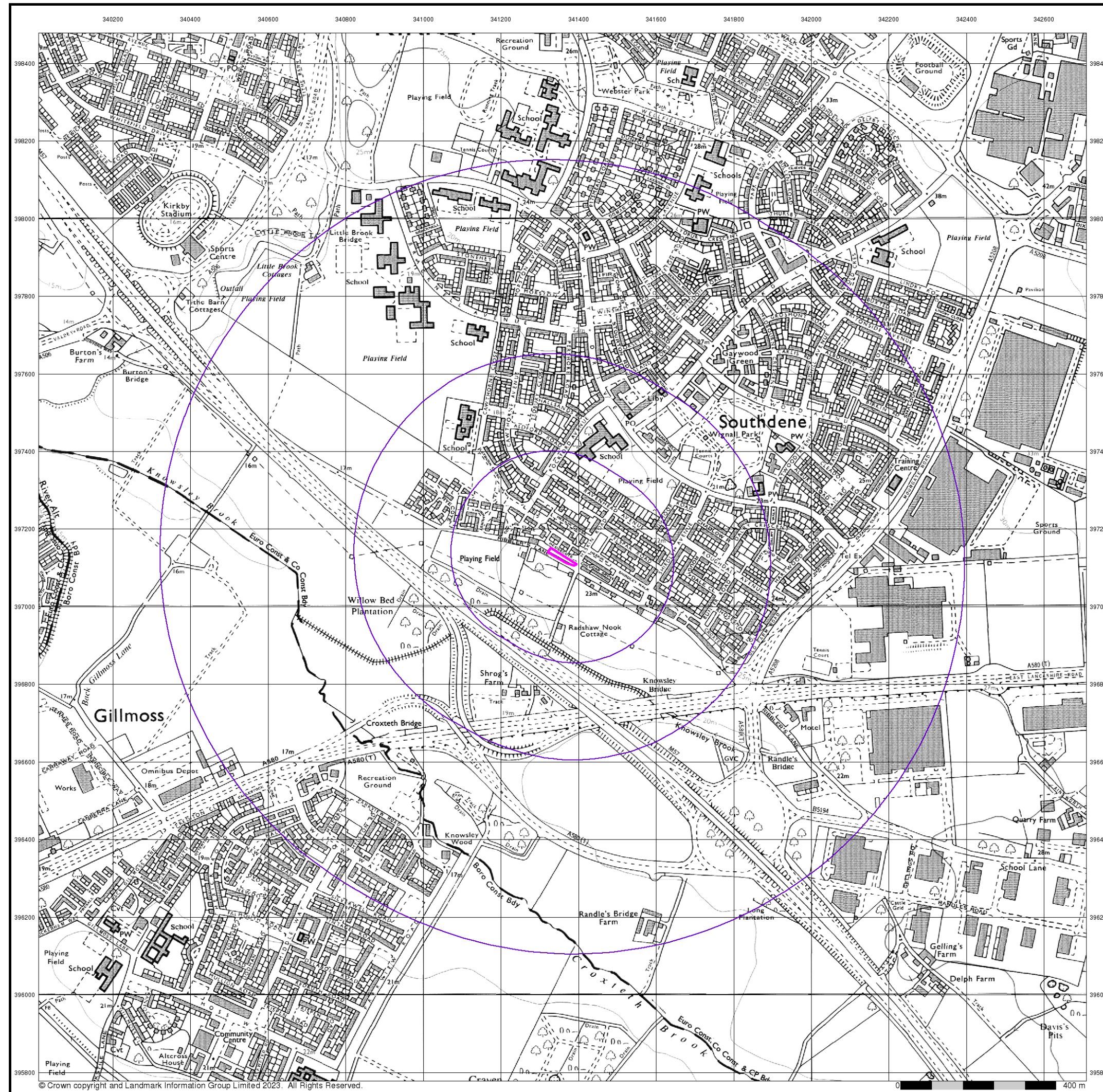


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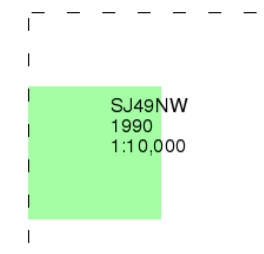
Ordnance Survey Plan

Published 1990

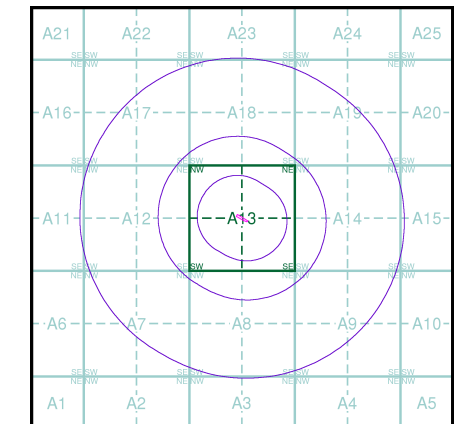
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Historical Map - Slice A



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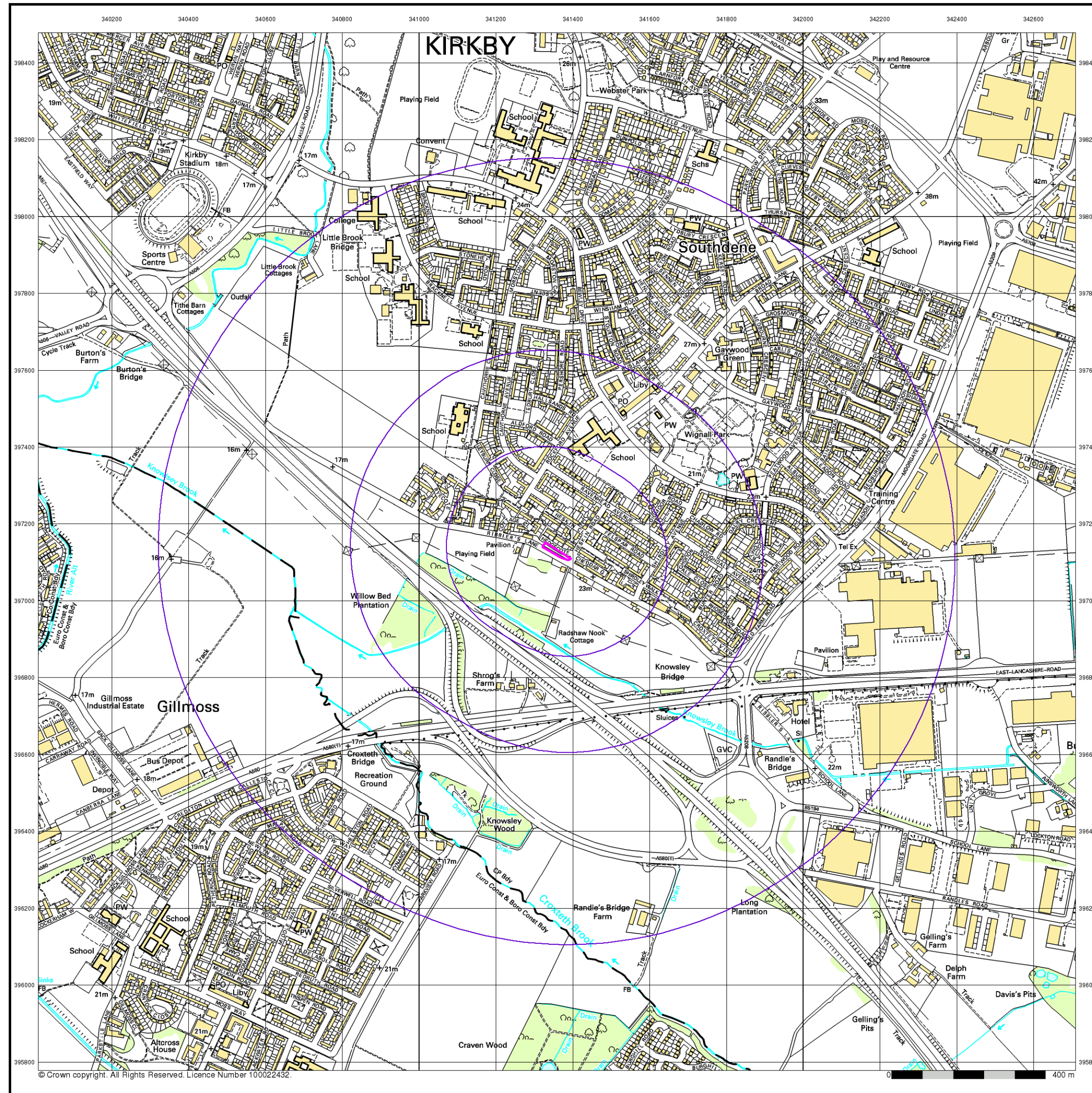
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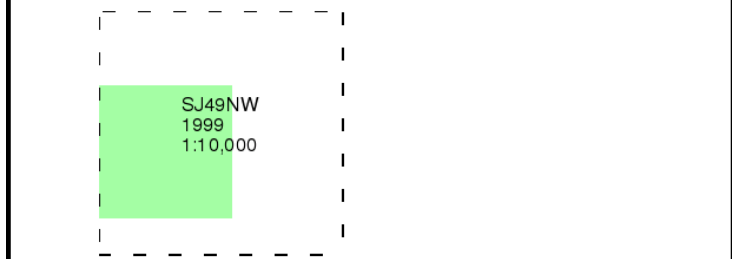
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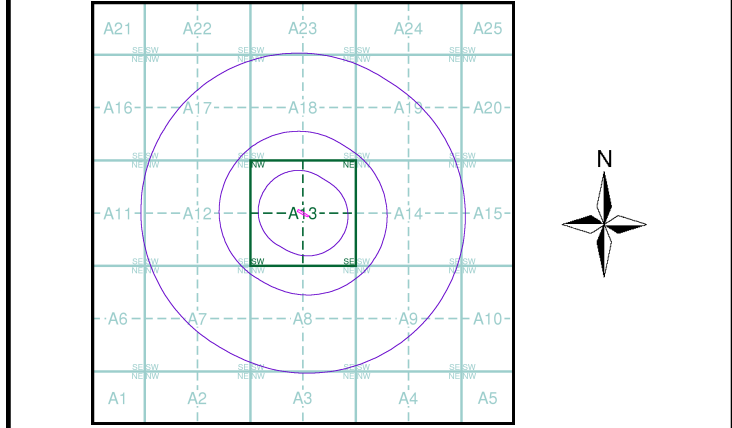
10k Raster Mapping
Published 1999
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



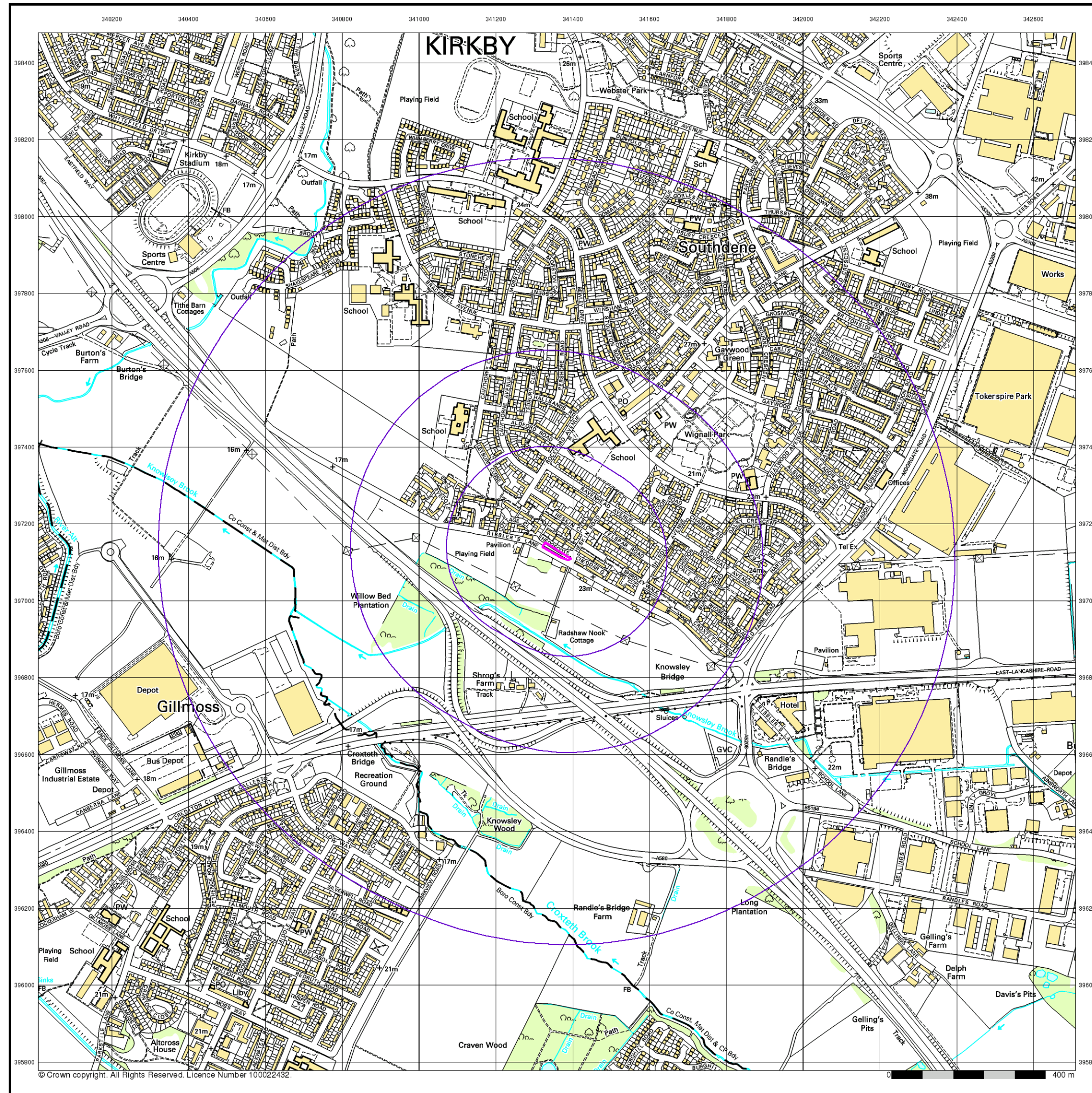
Historical Map - Slice A



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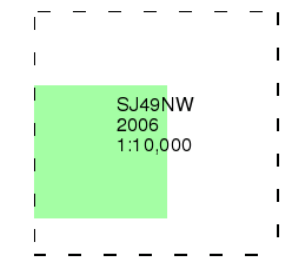
10k Raster Mapping

Published 2006

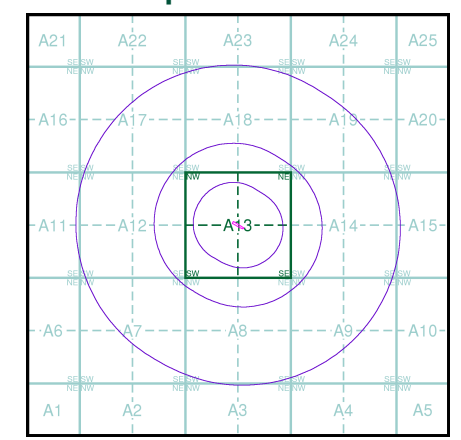
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Map Name(s) and Date(s)



Historical Map - Slice A



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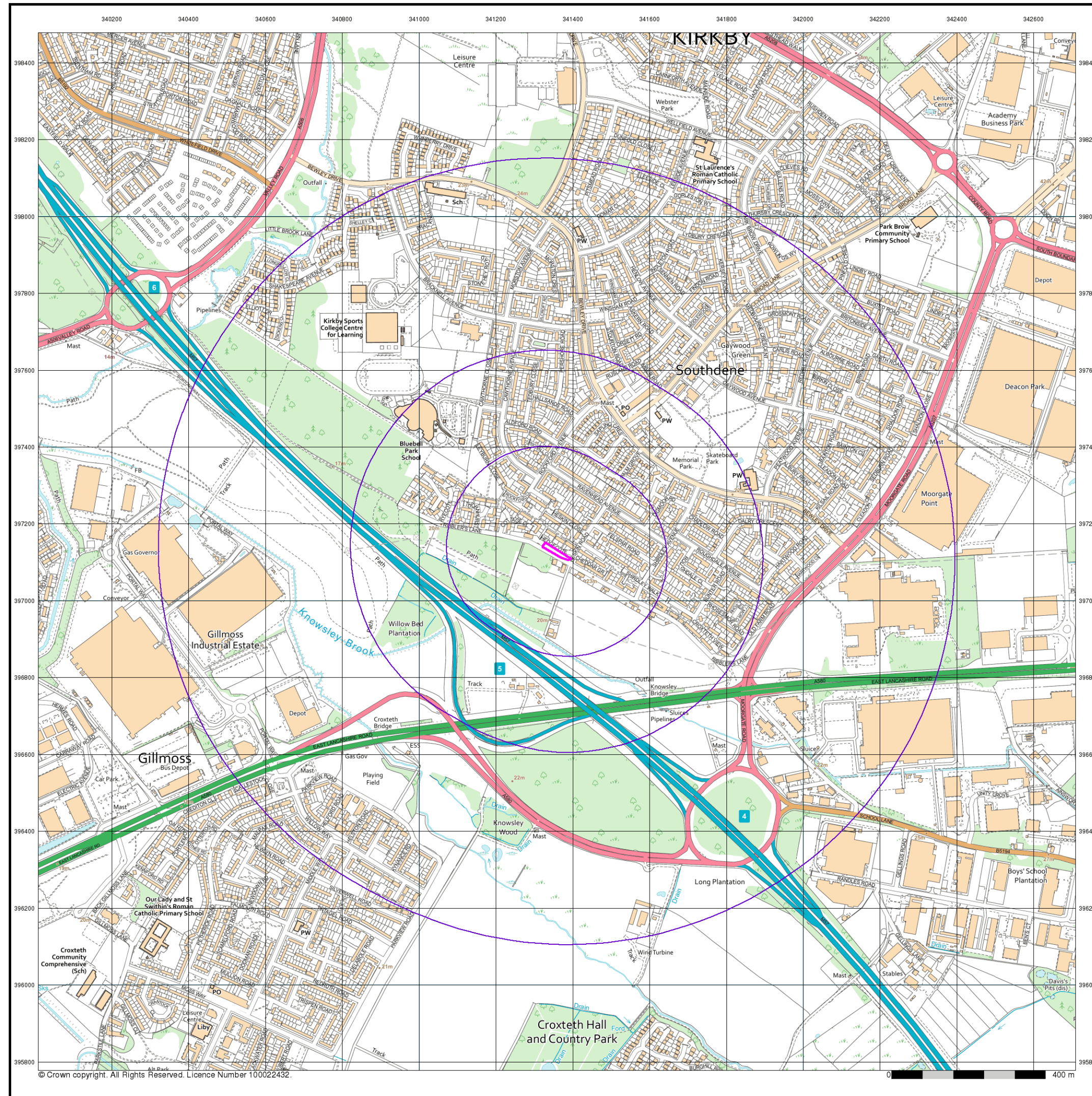
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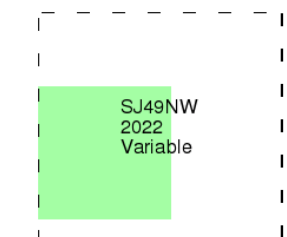
VectorMap Local

Published 2022

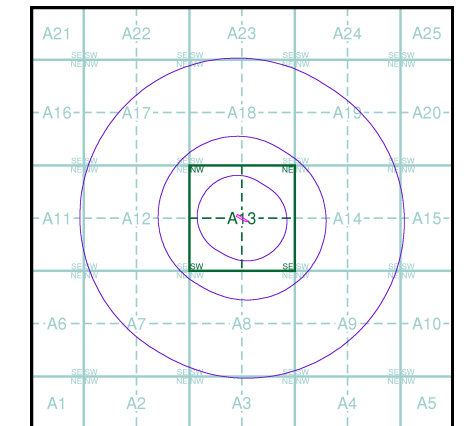
Source map scale - 1:10,000

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)



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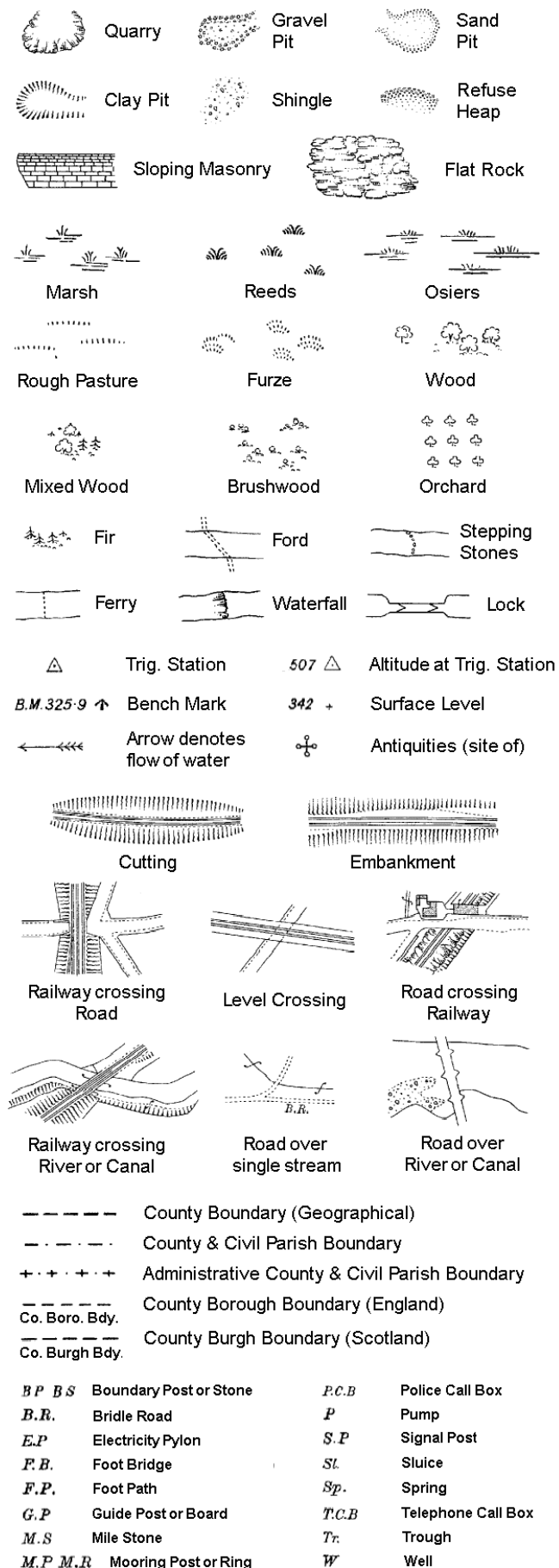
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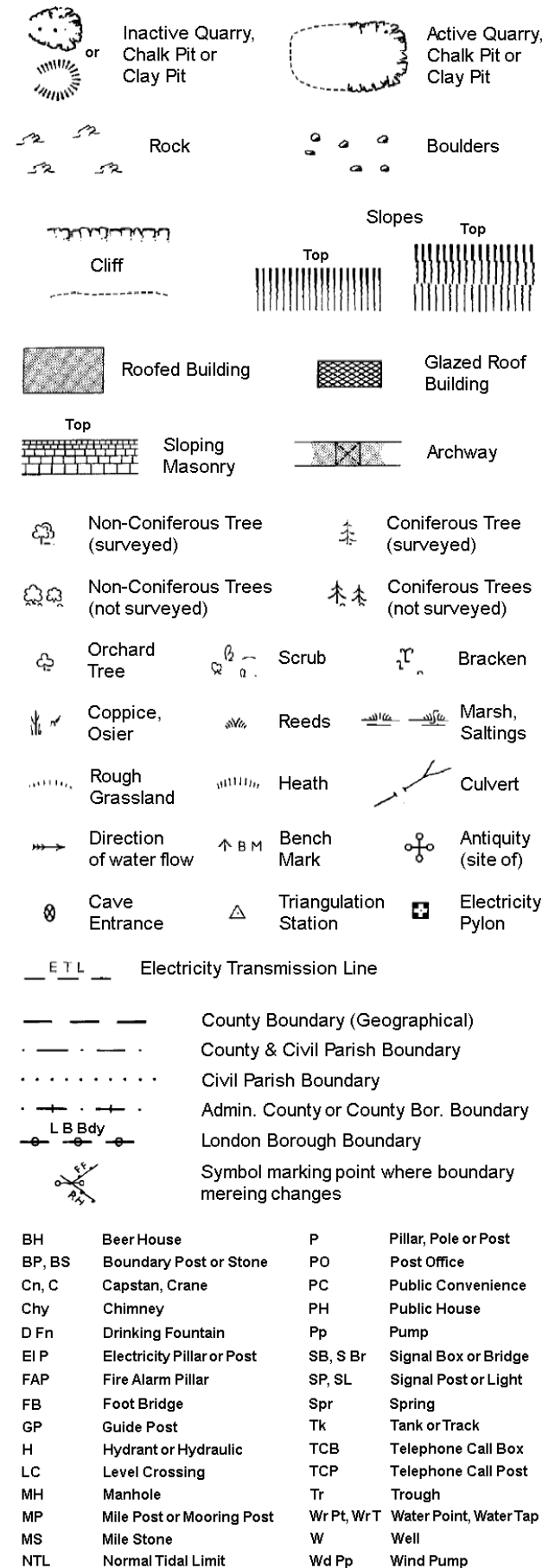
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

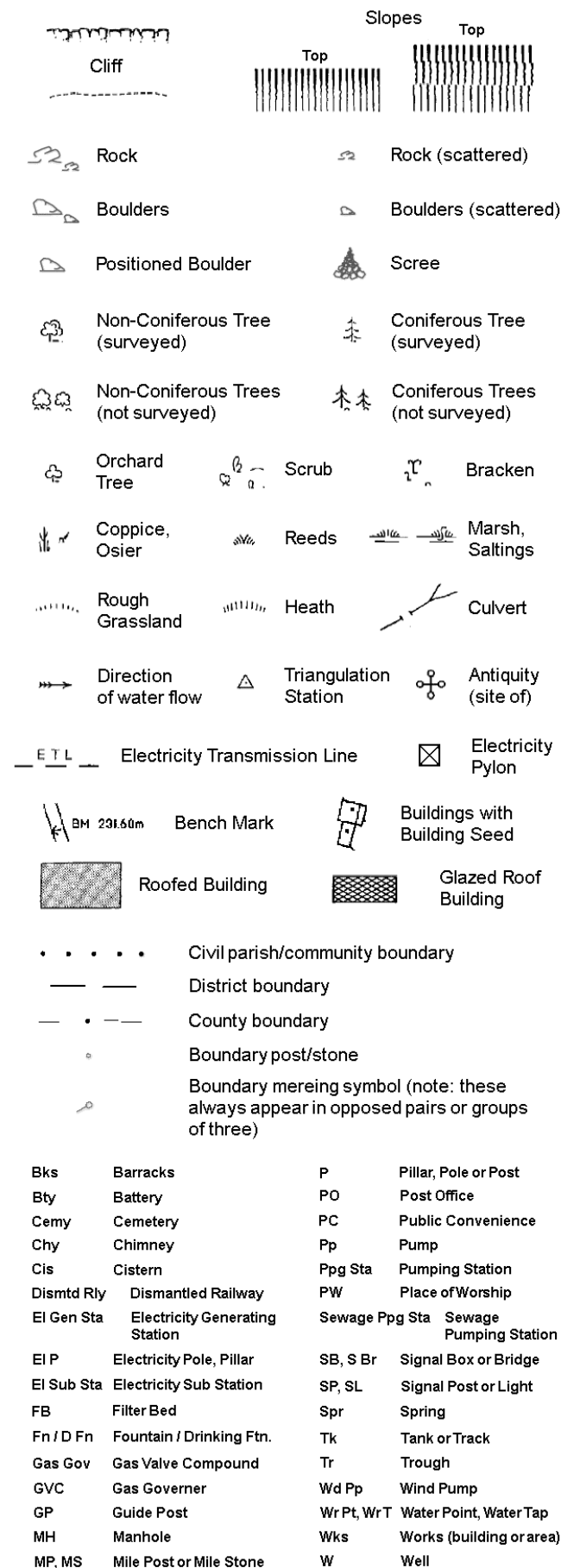
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



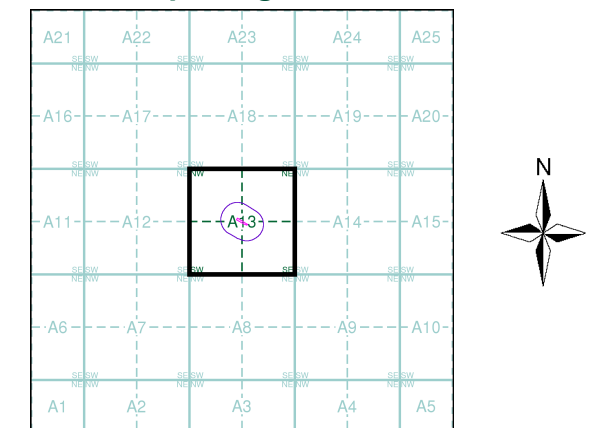
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1908	3
Lancashire And Furness	1:2,500	1927	4
Lancashire And Furness	1:2,500	1937	5
Ordnance Survey Plan	1:1,250	1959 - 1961	6
Ordnance Survey Plan	1:2,500	1961	7
Ordnance Survey Plan	1:1,250	1974 - 1984	8
Additional SIMs	1:1,250	1979 - 1989	9
Large-Scale National Grid Data	1:1,250	1993	10
Historical Aerial Photography	1:2,500	2001	11

Historical Map - Segment A13



Order Details

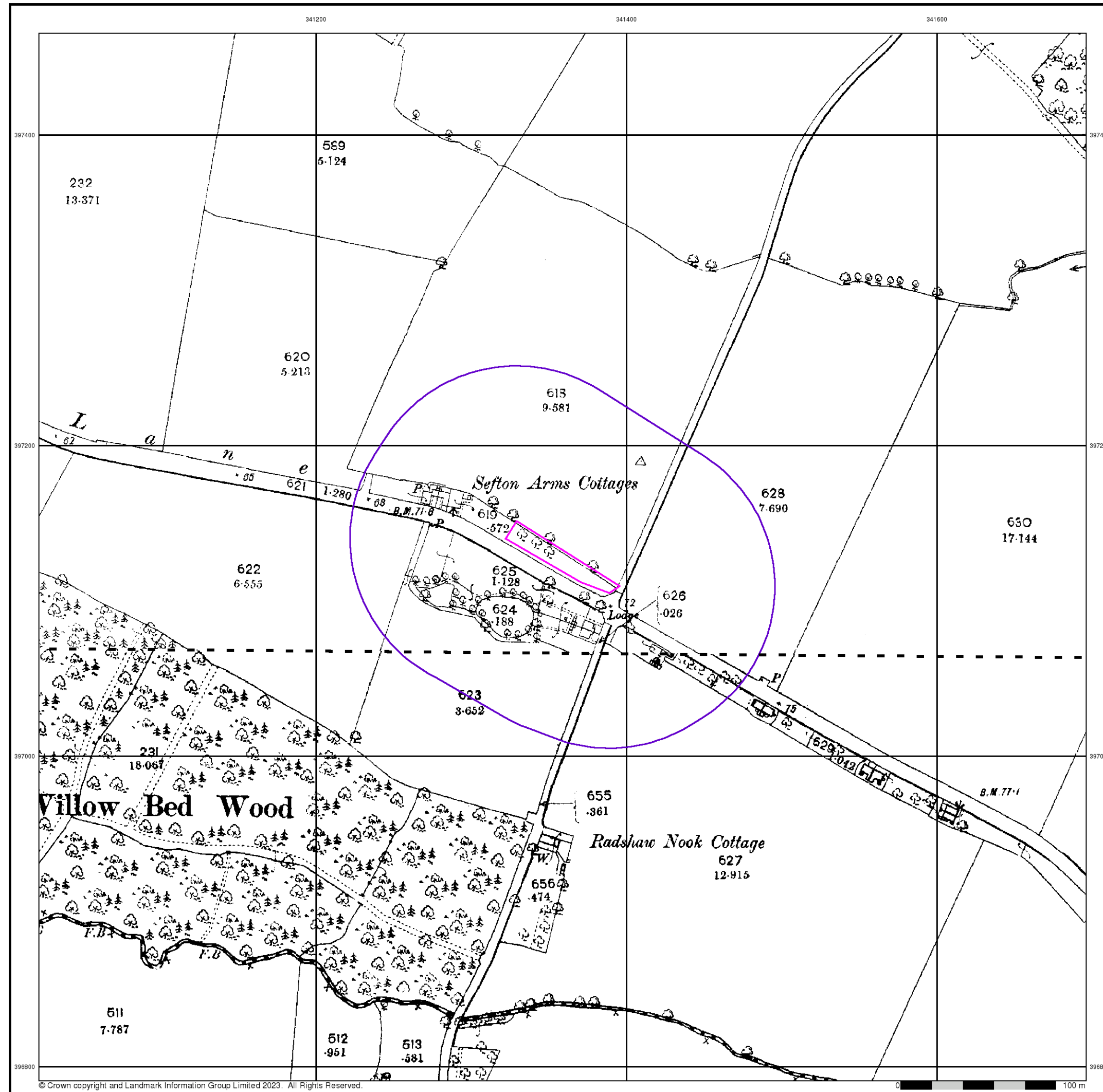
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Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 100

Site Details

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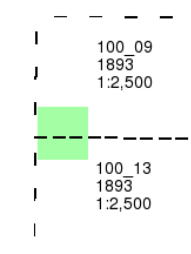
Lancashire And Furness

Published 1893

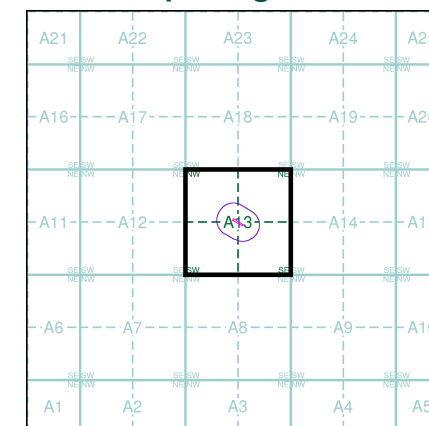
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

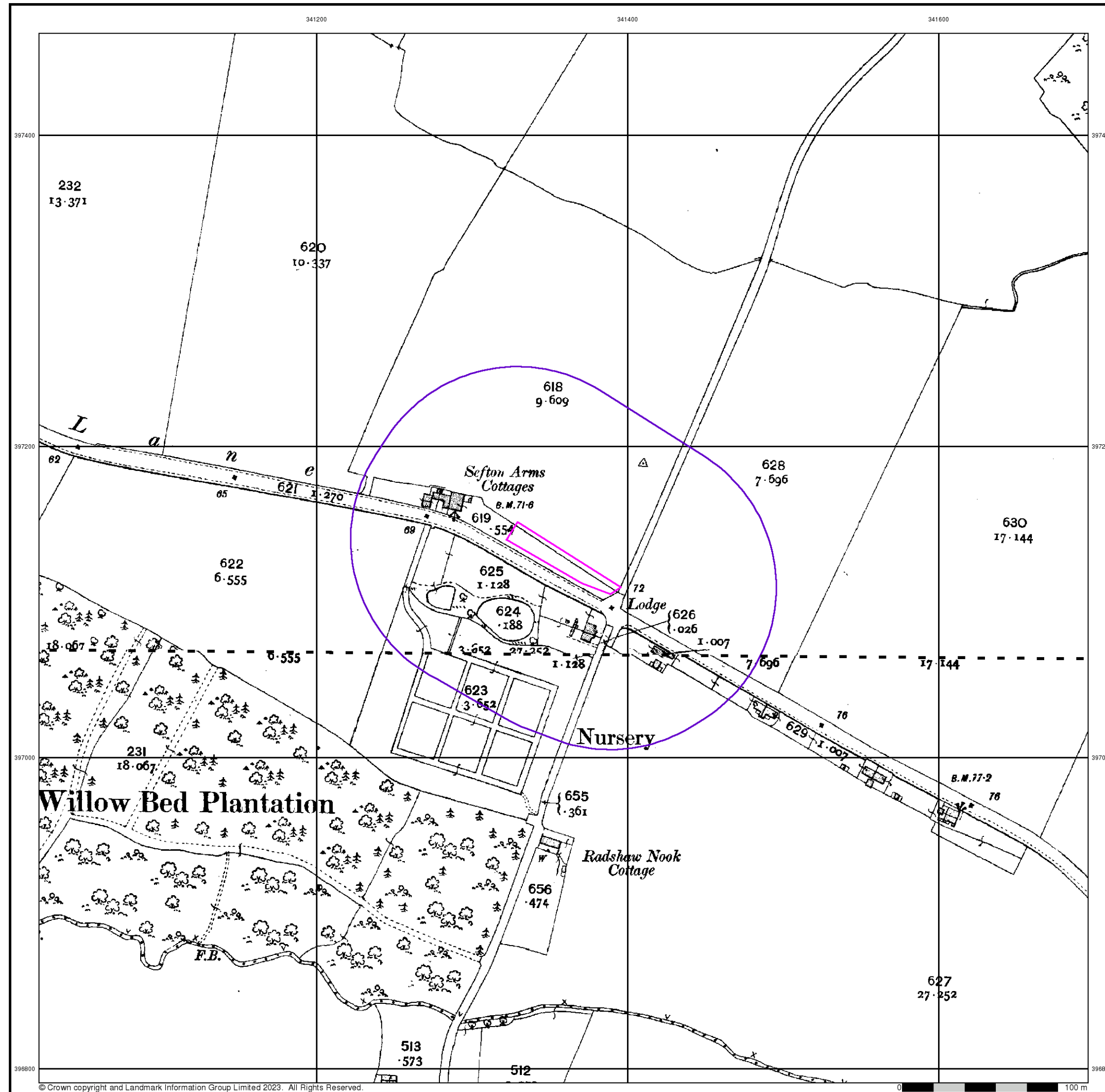
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Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 100

Site Details

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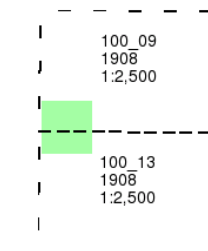
Lancashire And Furness

Published 1908

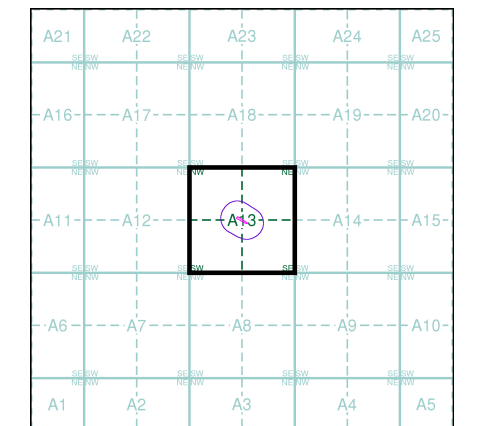
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

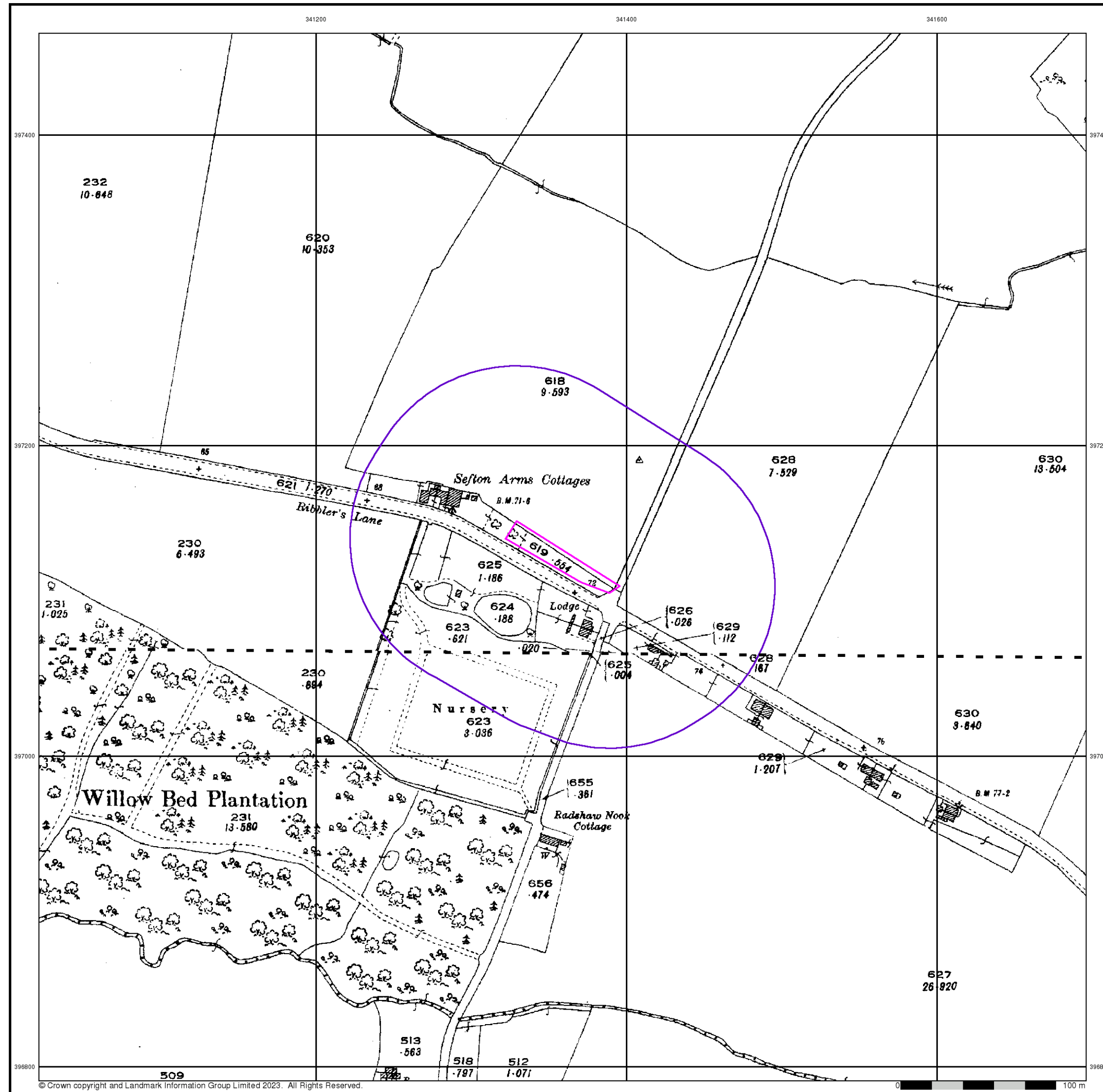
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Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 100

Site Details

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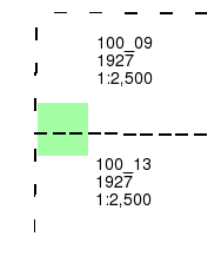
Lancashire And Furness

Published 1927

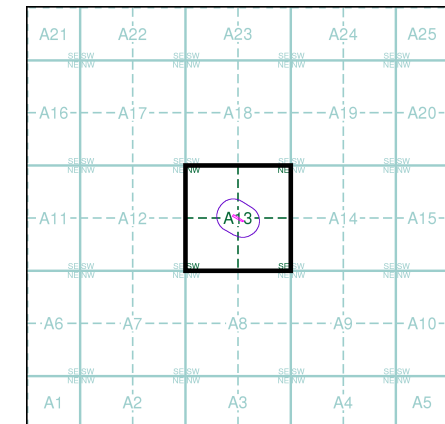
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

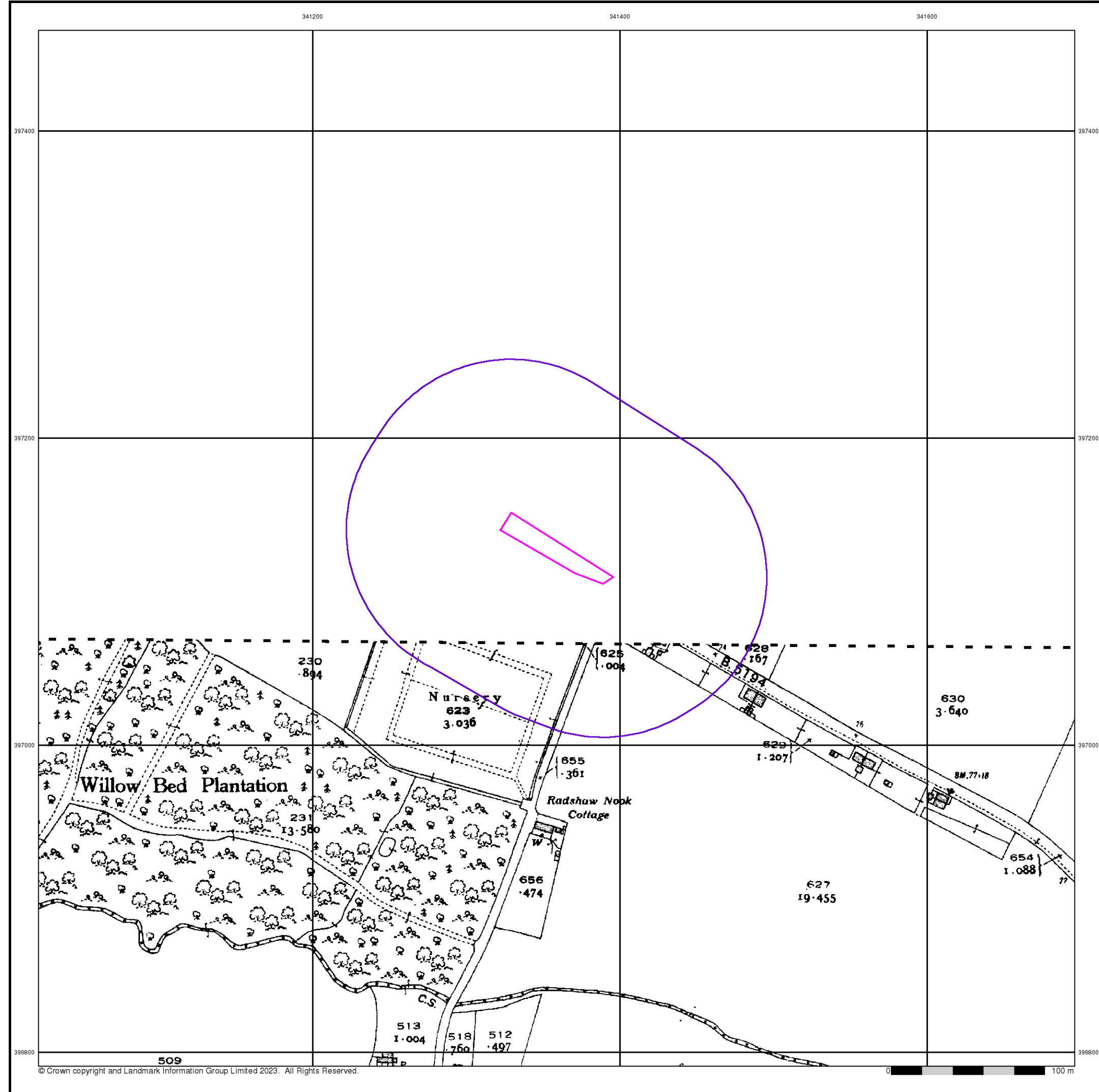


Order Details

Order Number: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 100

Site Details

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Lancashire And Furness

Published 1937

Source map scale - 1:2,500

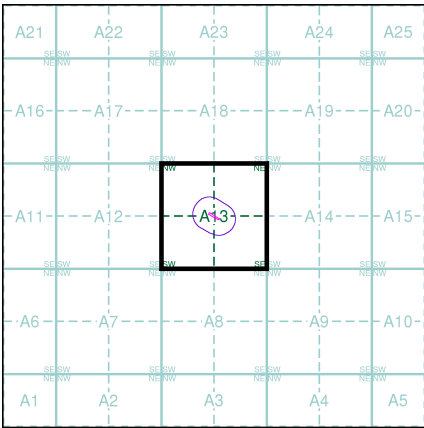
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)



100 13
1937
1:2,500

Historical Map - Segment A13



Order Details

Order Number:	307078815_1_1
Customer Ref:	23-2325
National Grid Reference:	341360, 397130
Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	100

Site Details

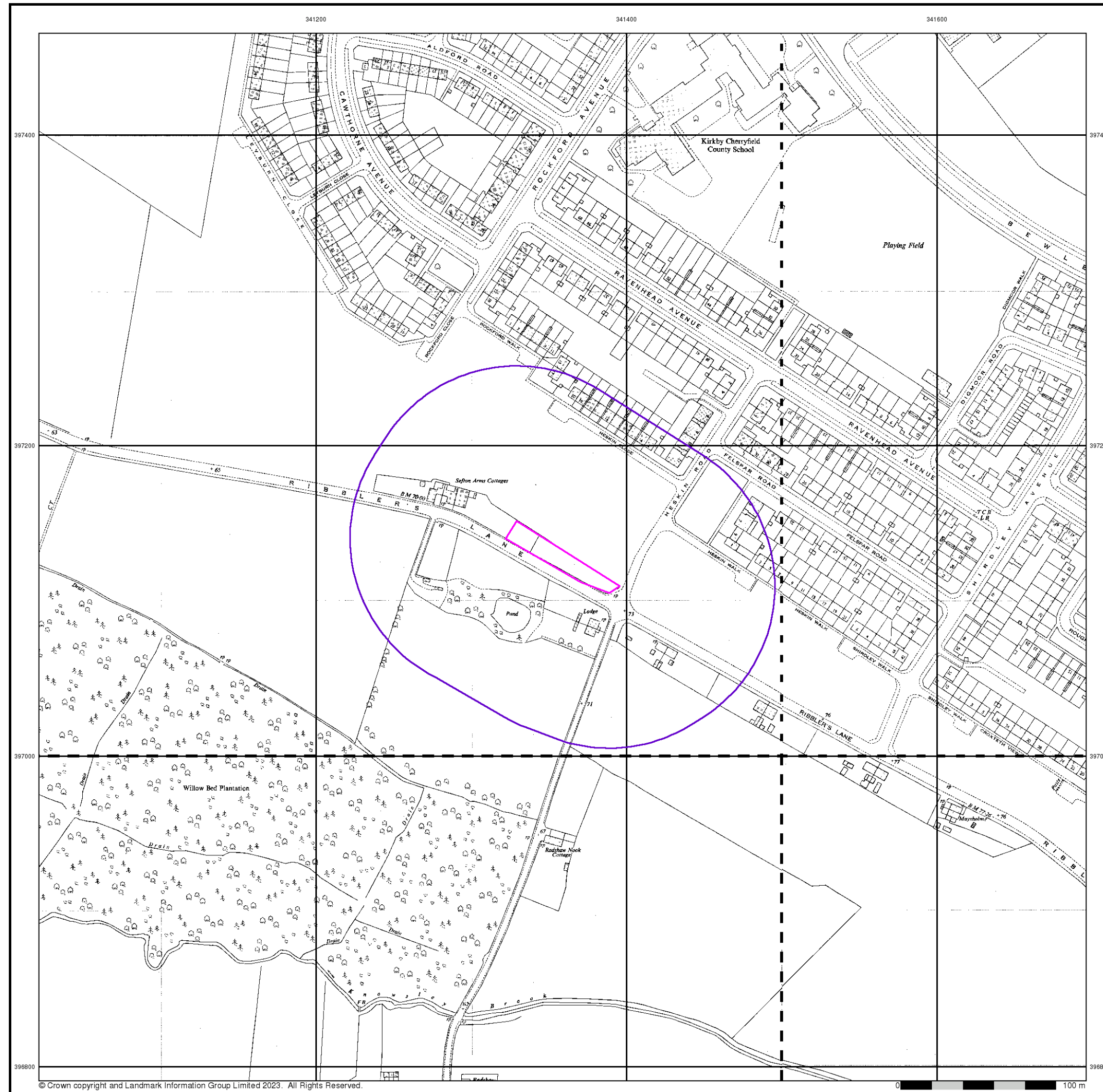
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Ordnance Survey Plan

Published 1959 - 1961

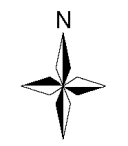
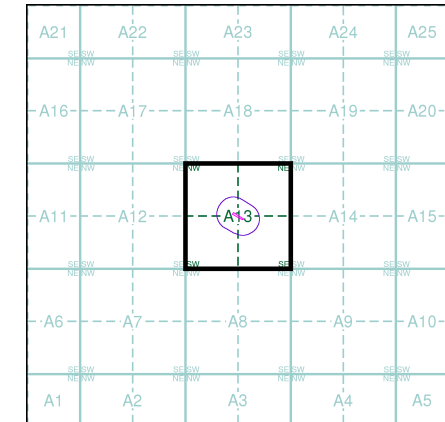
Source map scale - 1:1,250

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)

SJ4197SW	SJ4197SE
1961	1961
1:1,250	1:1,250
SJ4196NW	SJ4196NE
1959	1959
1:1,250	1:1,250

Historical Map - Segment A13

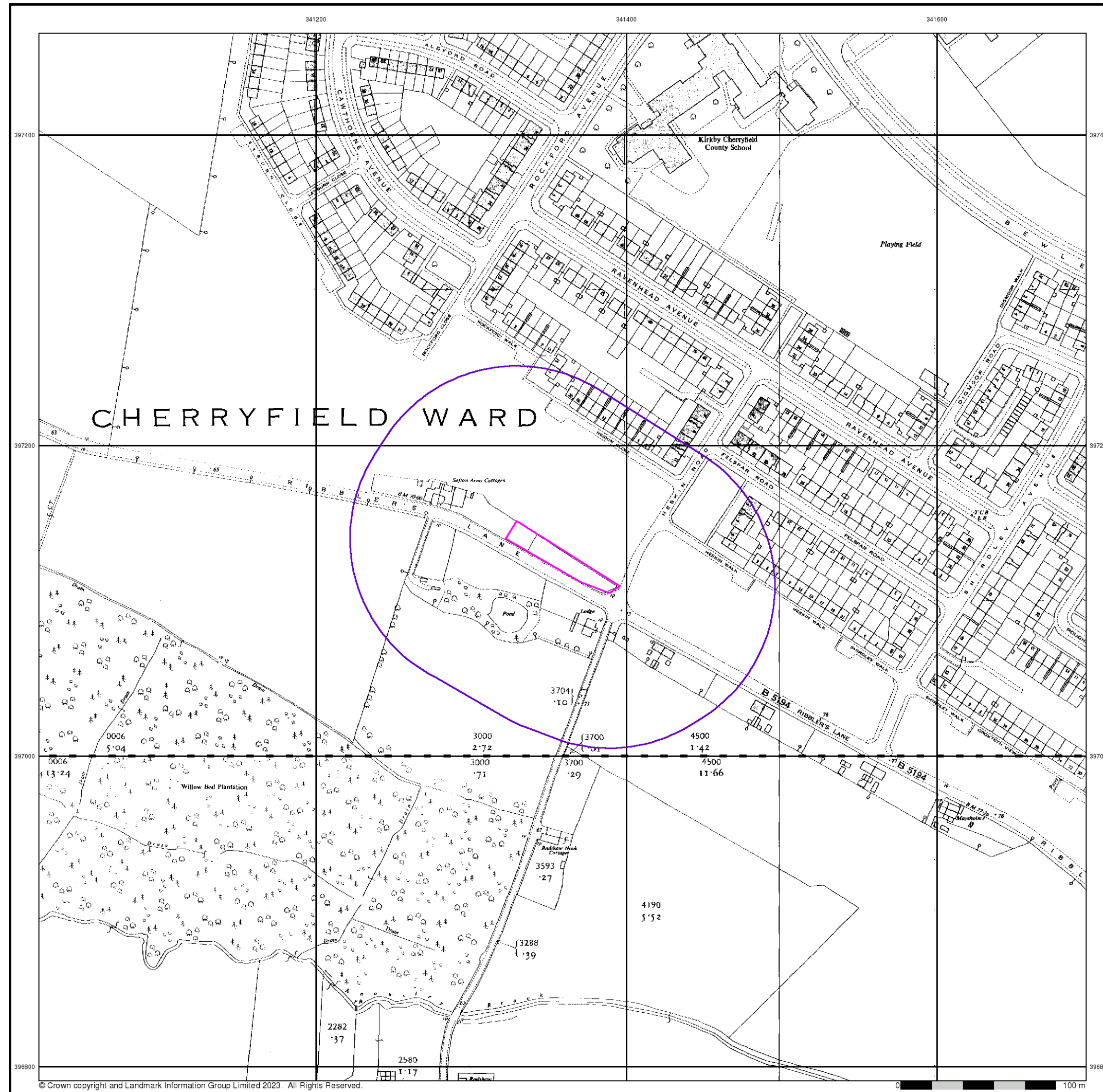


Order Details

Order Number: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1961

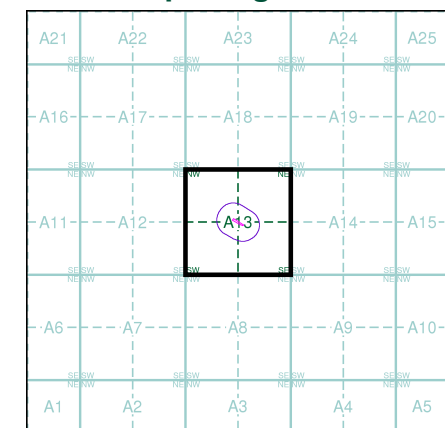
Source map scale - 1:2,500

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)

SJ4197
1961
1:2,500
SJ4196
1961
1:2,500

Historical Map - Segment A13

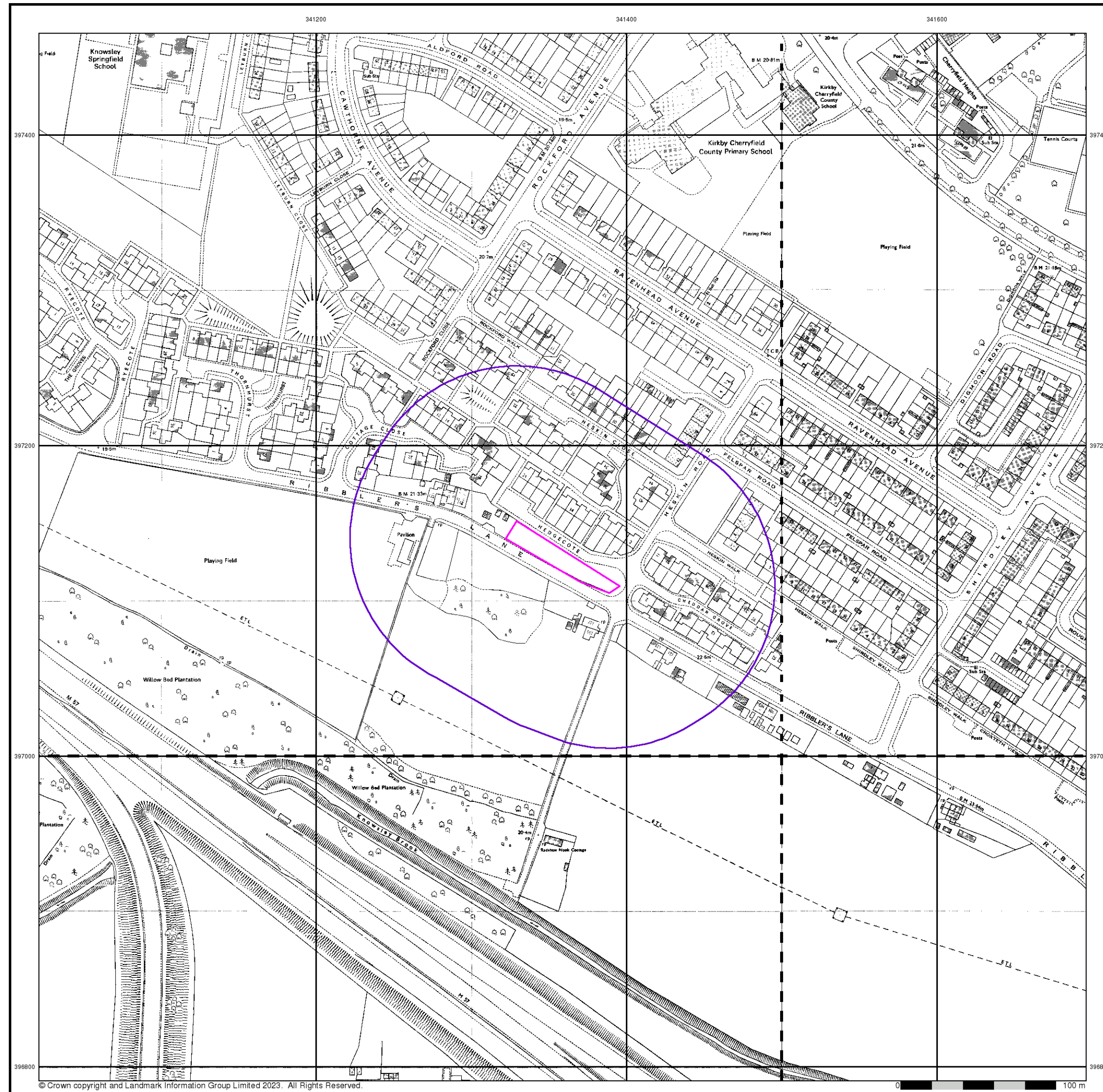


Order Details

Order Number:	307078815_1_1
Customer Ref:	23-2325
National Grid Reference:	341360, 397130
Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	100

Site Details

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Ordnance Survey Plan

Published 1974 - 1984

Source map scale - 1:1,250

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Map Name(s) and Date(s)

SJ4197SW 1984 1:1,250	SJ4197SE 1974 1:1,250
SJ4196NW 1975 1:1,250	SJ4196NE 1975 1:1,250

Historical Map - Segment A13

Order Details

Order Number: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 100

Site Details

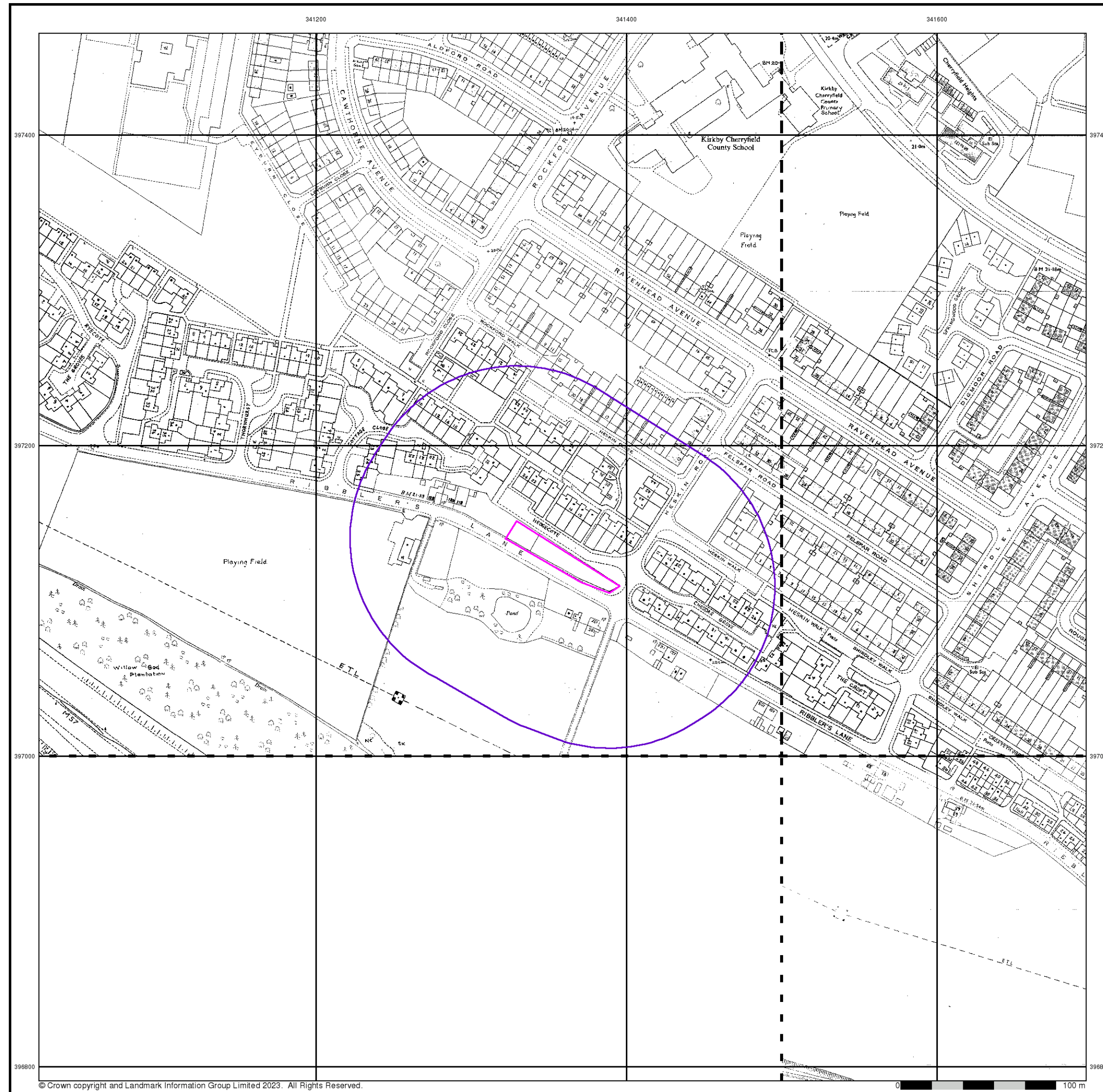
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Additional SIMs

Published 1979 - 1989

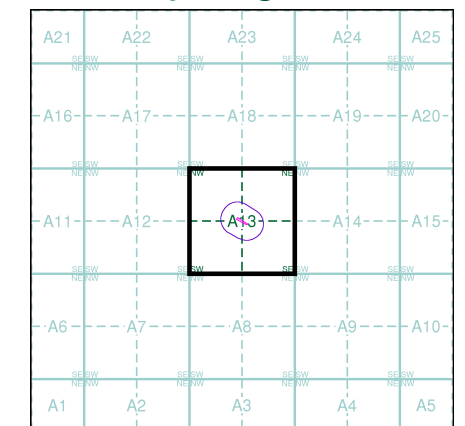
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ4197SW	SJ4197SE
1979	1989
1:1,250	1:1,250
	SJ4196NE
	1984
	1:1,250

Historical Map - Segment A13



Order Details

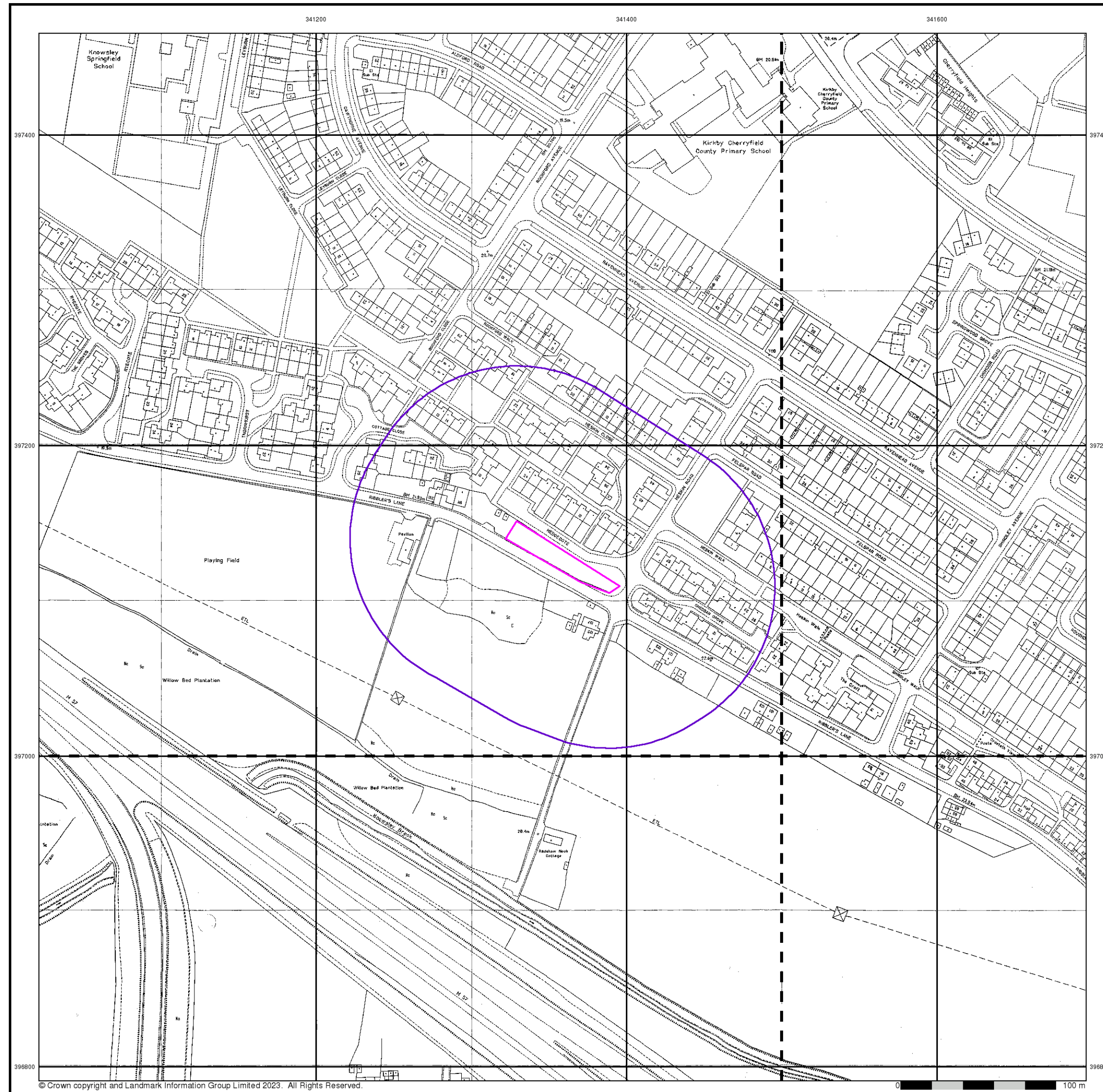
Order Number: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1993

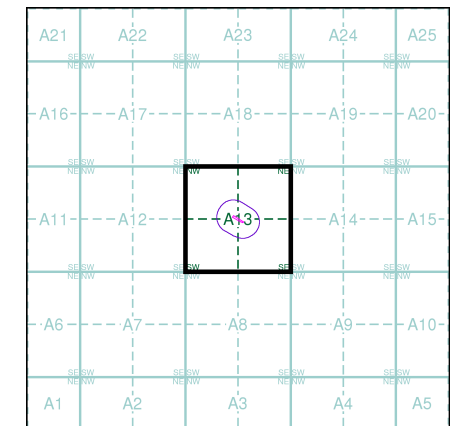
Source map scale - 1:1,250

'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)

SJ4197SW	SJ4197SE
1993	1993
1:1,250	1:1,250
SJ4196NW	SJ4196NE
1993	1993
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 100

Site Details

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Historical Aerial Photography

Published 2001

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

Historical Aerial Photography - Segment A13

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

Order Details

Order Number:	307078815_1_1
Customer Ref:	23-2325
National Grid Reference:	341360, 397130
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Site Details

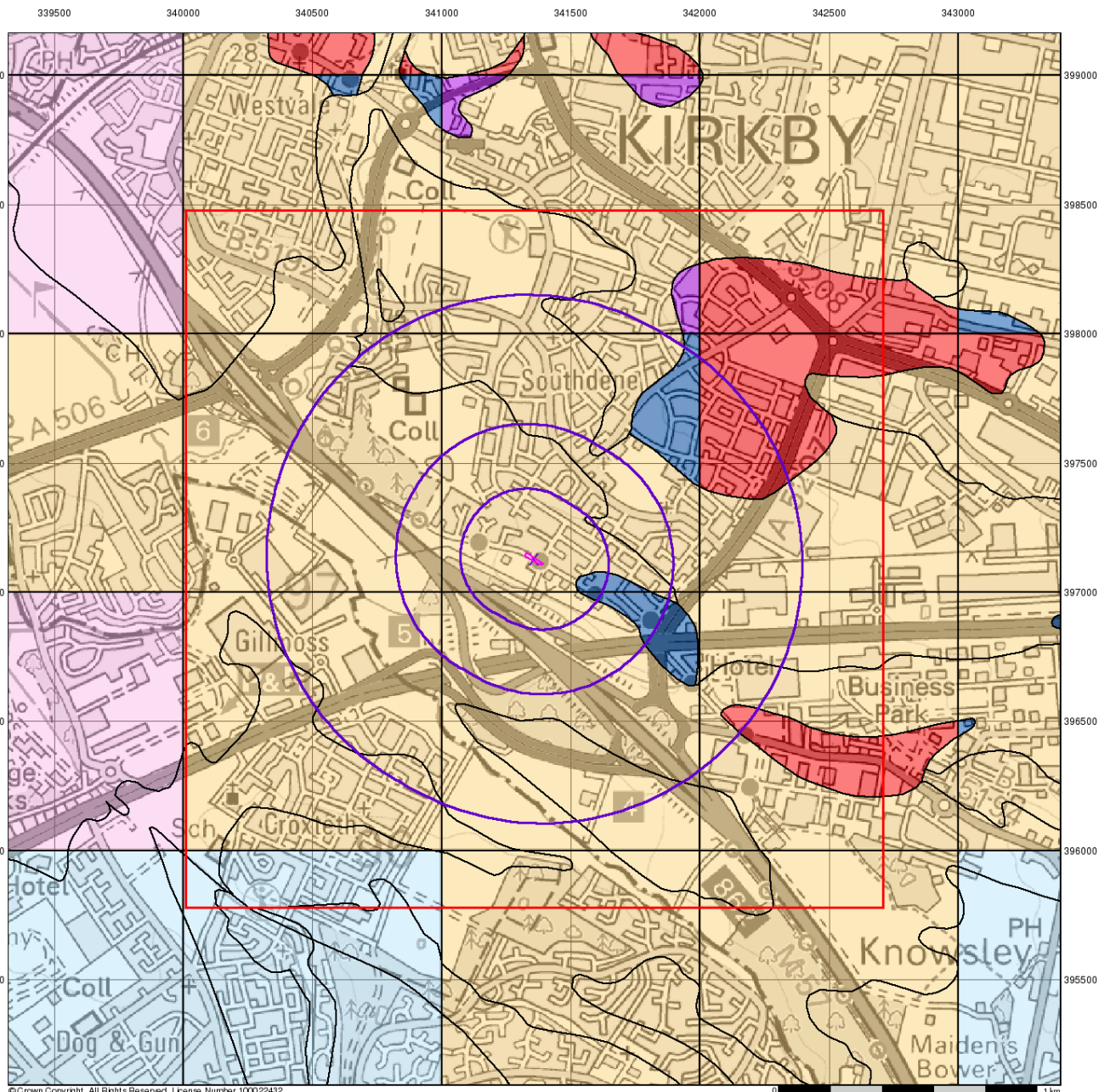
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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

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

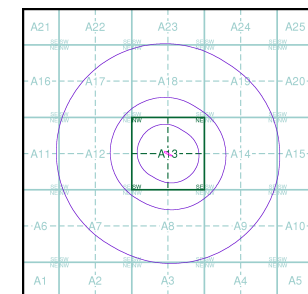
Superficial Aquifers

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

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

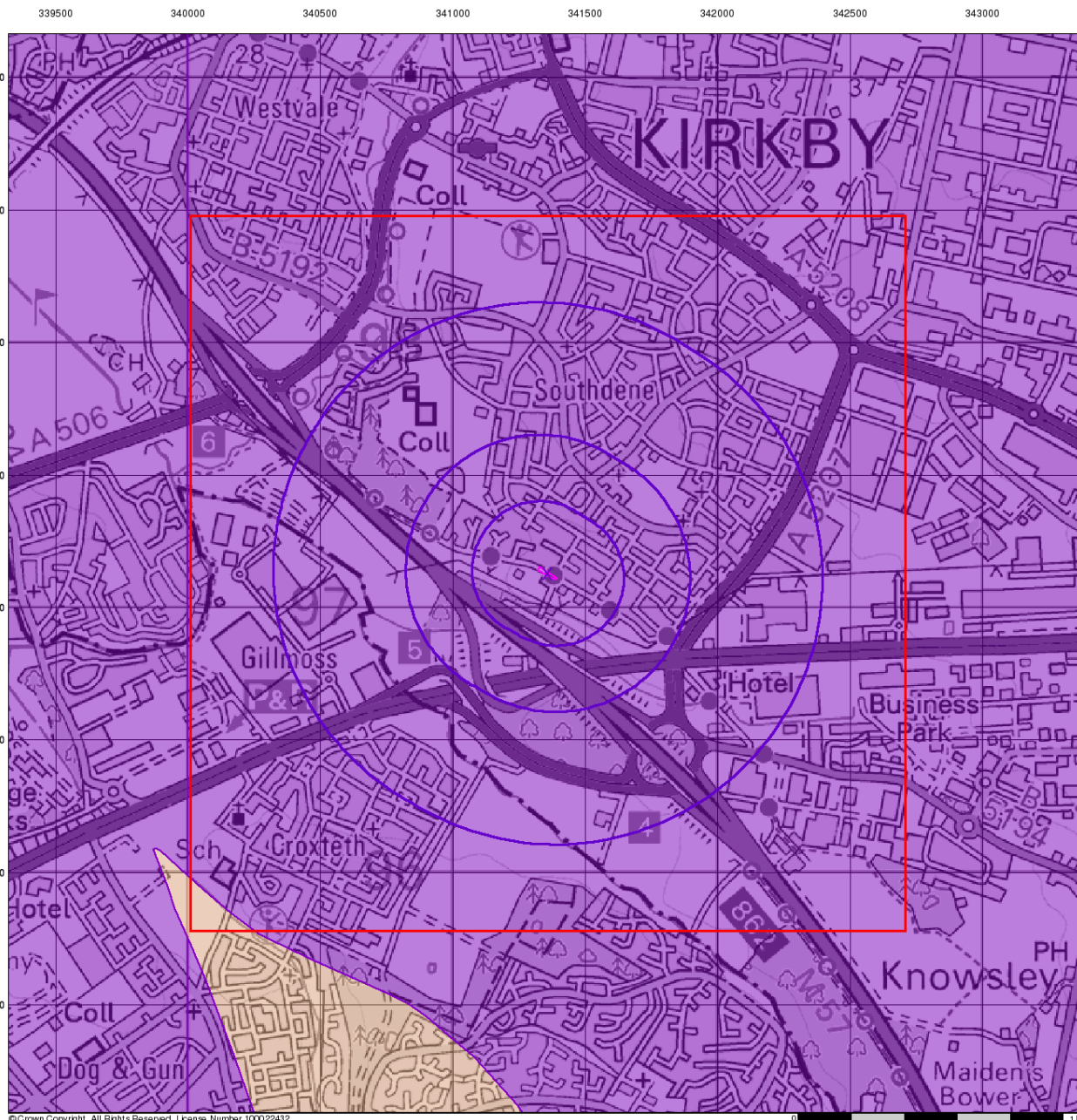
Order Number: 307078815_1_1
 Customer Ref: 23-2325
 National Grid Reference: 341360, 397130
 Slice: A
 Site Area (Ha): 0.09
 Search Buffer (m): 1000

Site Details

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Bedrock Aquifer Designation

General

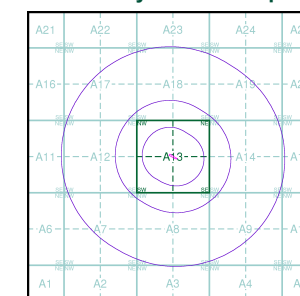
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

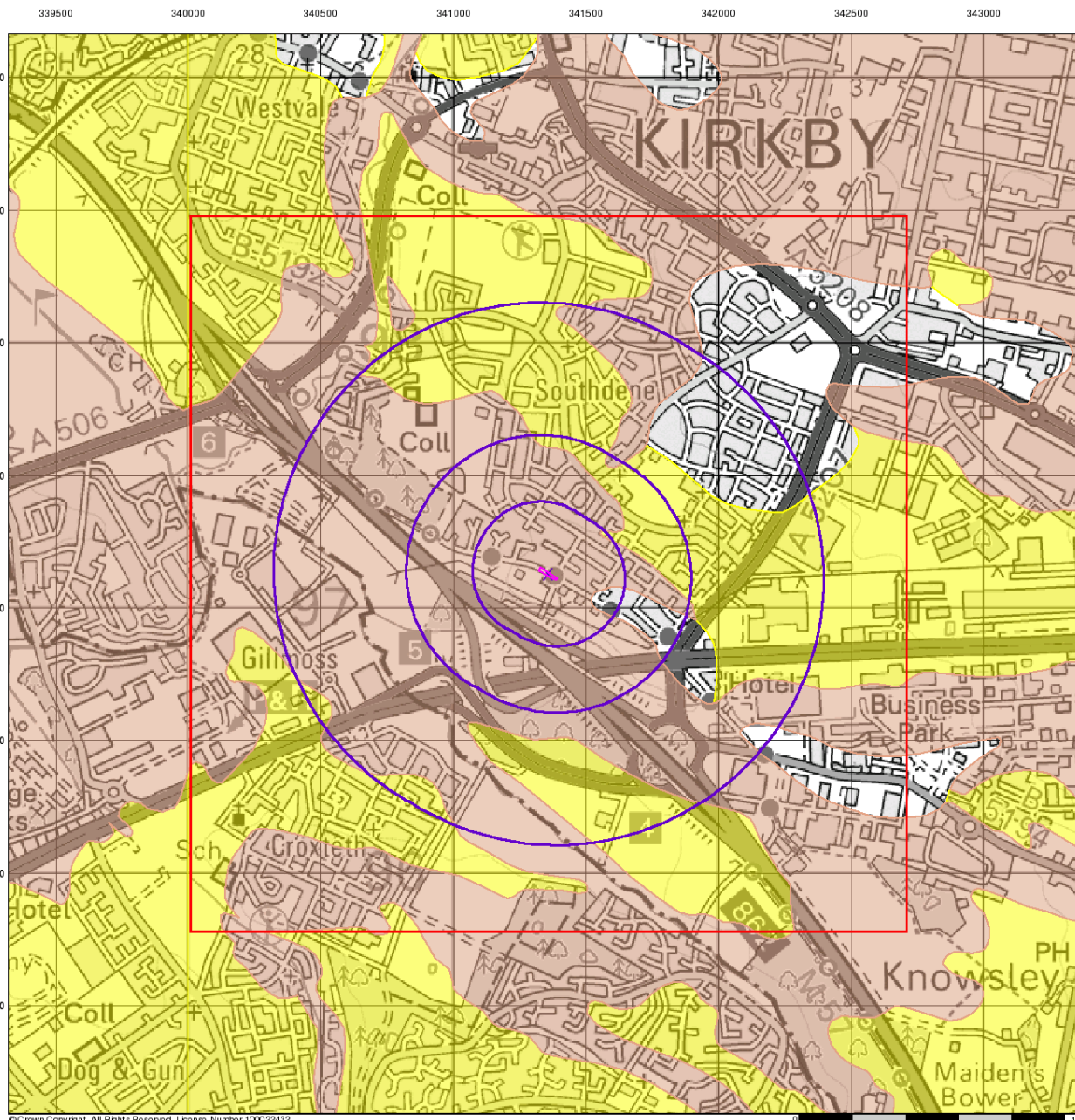
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 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

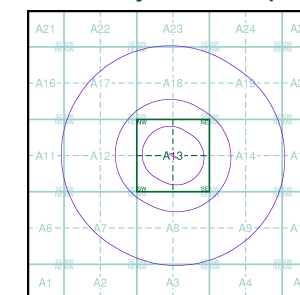
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

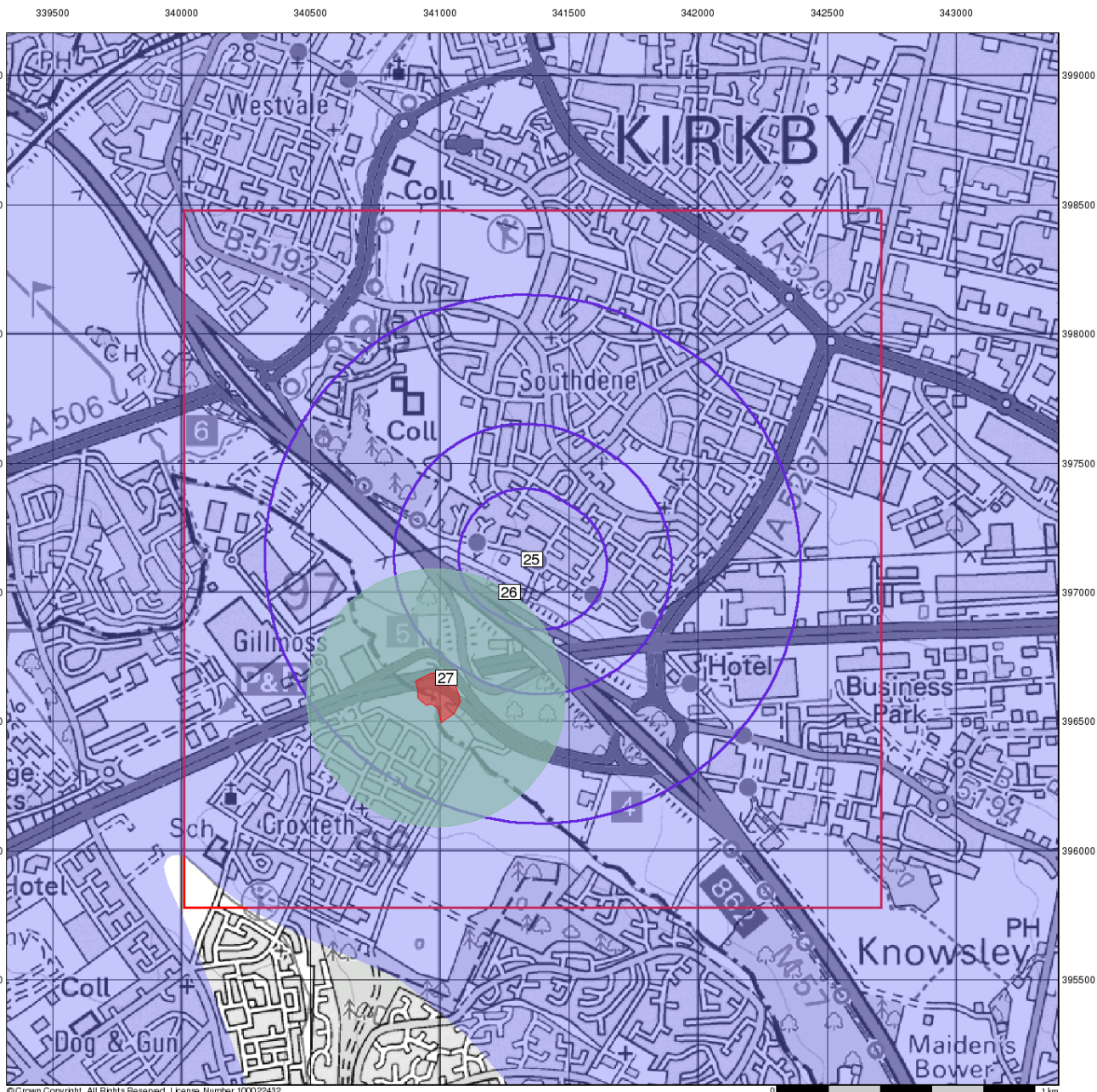
Order Number: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

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Source Protection Zones

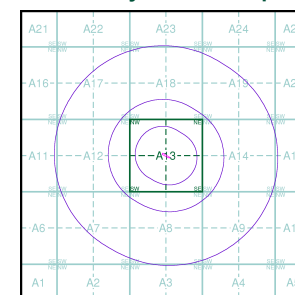
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

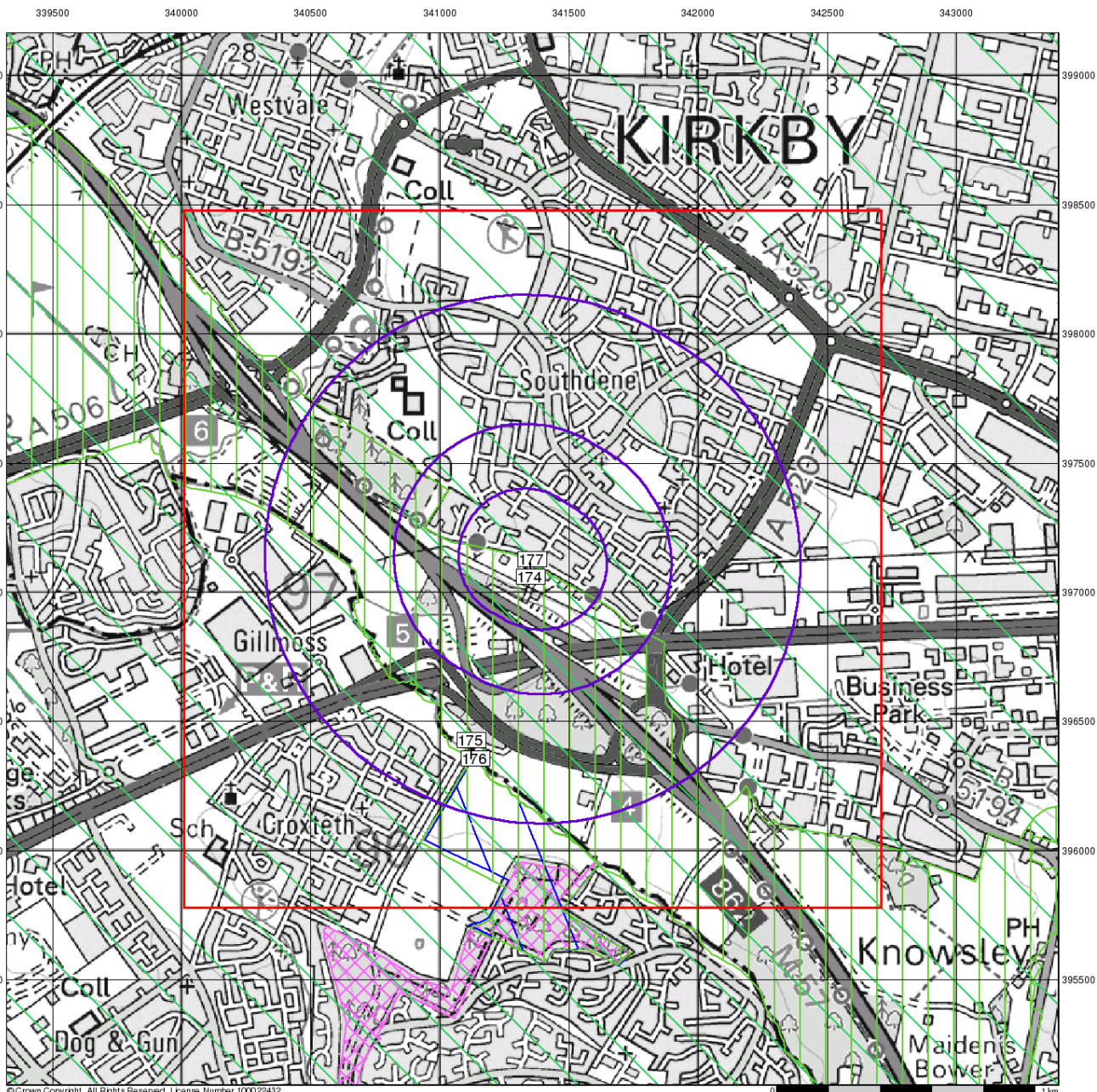
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 Slice: A
 Site Area (Ha): 0.09
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Sensitive Land Uses

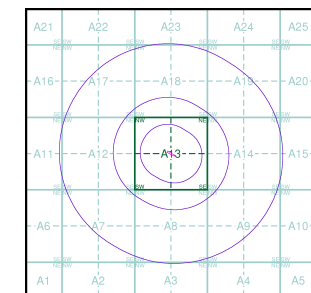
General

- 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

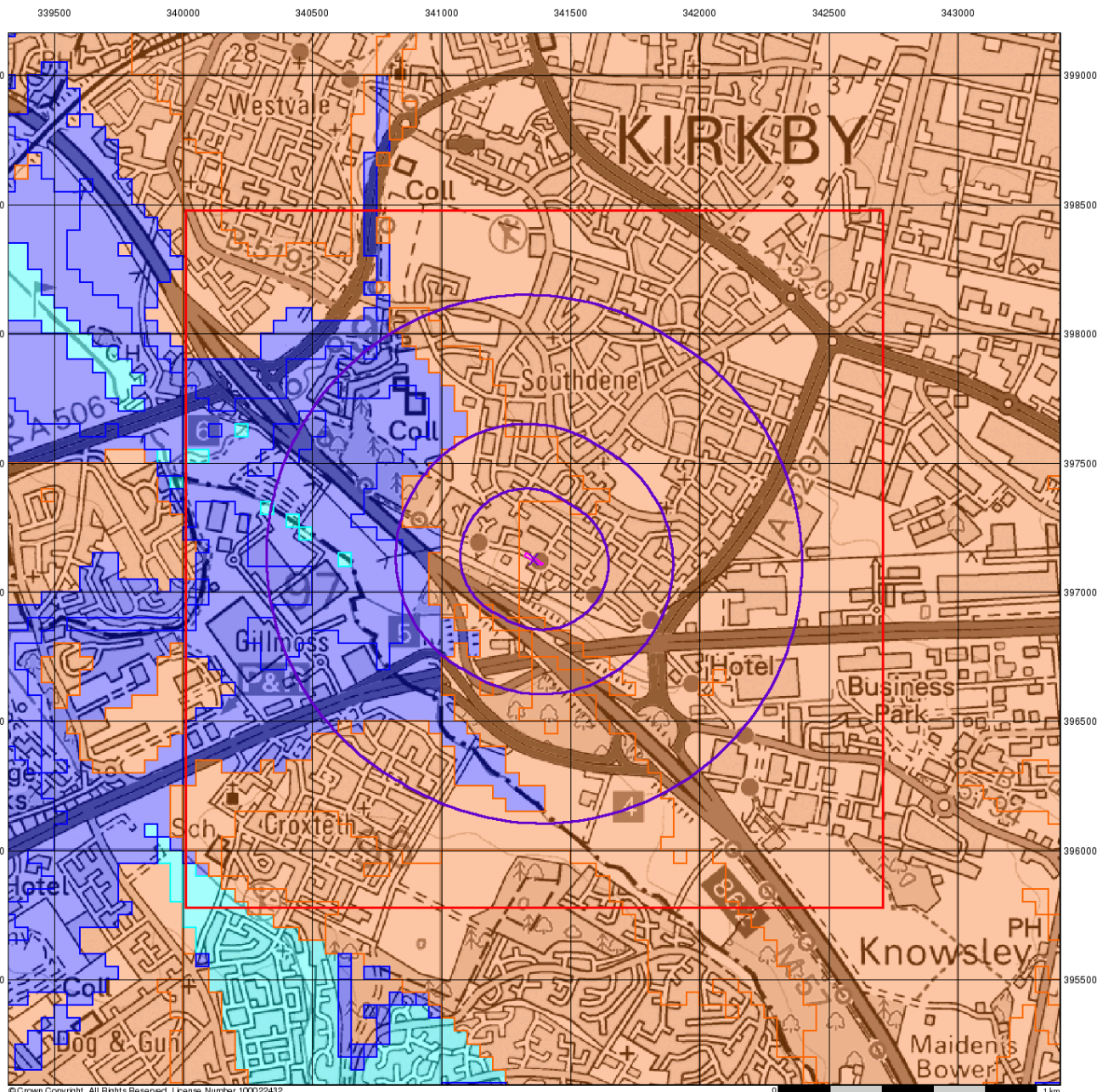
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 Slice: A
 Site Area (Ha): 0.09
 Search Buffer (m): 1000

Site Details

137, Ribblers Lane, LIVERPOOL, L32 7RA

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BGS Flood GFS Data

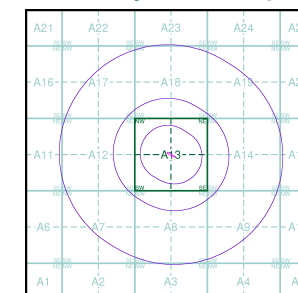
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 307078815_1_1
 Customer Ref: 23-2325
 National Grid Reference: 341360, 397130
 Slice: A
 Site Area (Ha): 0.09
 Search Buffer (m): 1000

Site Details

137, Ribblers Lane, LIVERPOOL, L32 7RA

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

307078815_1_1

Customer Reference:

23-2325

National Grid Reference:

341360, 397130

Slice:

A

Site Area (Ha):

0.09

Search Buffer (m):

1000

Site Details:

137, Ribblers Lane

LIVERPOOL

L32 7RA

Client Details:

Mr J Crook

Geo-Ventures (UK) Ltd

7 Ellenor Drive

Astley

Manchester

Greater Manchester

M29 7NN

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	17
Hazardous Substances	-
Geological	21
Industrial Land Use	26
Sensitive Land Use	32
Data Currency	33
Data Suppliers	40
Useful Contacts	41

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			1	
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 1				3
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2				2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2		Yes		
Pollution Incidents to Controlled Waters	pg 3			3	20
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 6			1	1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 7			1	
Water Abstractions	pg 7				8 (*7)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 11	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 11	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Source Protection Zones	pg 11	1	1		1
Extreme Flooding from Rivers or Sea without Defences	pg 11		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 11		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 11		3	4	37

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 17				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 17	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 17				1
Potentially Infilled Land (Non-Water)	pg 17			1	3
Potentially Infilled Land (Water)	pg 17		2	10	42
Registered Landfill Sites	pg 20				1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 21	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 21	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 24				2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			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 25	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 25	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 25	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 25		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 26		1	1	21
Fuel Station Entries	pg 28				1
Points of Interest - Commercial Services	pg 28				9
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 29				14
Points of Interest - Public Infrastructure	pg 30			4	6
Points of Interest - Recreational and Environmental	pg 31			1	3
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 32		1		1
Areas of Unadopted Green Belt	pg 32				1
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 32	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: Limited Potential for Groundwater Flooding to Occur	A13SW (NE)	0	1	341358 397127
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	22	1	341300 397127
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	206	1	341358 396900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	224	1	341300 396900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	226	1	341200 396950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	258	1	341350 396850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	293	1	341100 396950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	322	1	341150 396850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	472	1	340850 397127
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	493	1	341200 396650
1	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: East Lancashire Road, Kirkby, Liverpool, Merseyside Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016932048 Permit Version: 1 Effective Date: 28th July 1986 Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Knowsley Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	368	2	341560 396780
2	Integrated Pollution Prevention And Control Name: Dairy Crest Limited Location: Kirkby Creamery - Epr/Vp3234nx, Kirkby Creamery, Moorgate Road, Kirkby,, Liverpool, L33 7XW Authority: Environment Agency, North West Region Permit Reference: MP3706PH Original Permit Ref: Vp3234nx Effective Date: 12th July 2019 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.8 A(1) d) (iii) Activity Description: CREATED BY IED - TREATMENT AND PROCESSING (OTHER THAN PACKAGING) OF ANIMAL OR VEGETABLE RAW MATERIALS (OTHER THAN MILK ONLY) WITH FINISHED PRODUCT CAPACITY GREATER THAN FORMULA SHOWN IN REGS Primary Activity: Y Activity Code: 5.4 A(1) (a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N	A14SE (E)	799	2	342190 397030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Integrated Pollution Prevention And Control Name: Dairy Crest Limited Location: Kirkby Creamery - Epr/Vp3234nx, Kirkby Creamery, Moorgate Road, Kirkby,, Liverpool, L33 7XW Authority: Environment Agency, North West Region Permit Reference: AP3332JL Original Permit Ref: Vp3234nx Effective Date: 14th May 2018 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.8 A(1) d) (iii) Activity Description: CREATED BY IED - TREATMENT AND PROCESSING (OTHER THAN PACKAGING) OF ANIMAL OR VEGETABLE RAW MATERIALS (OTHER THAN MILK ONLY) WITH FINISHED PRODUCT CAPACITY GREATER THAN FORMULA SHOWN IN REGS Primary Activity: Y Activity Code: 5.4 A(1) (a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N	A14SE (E)	799	2	342190 397030
2	Integrated Pollution Prevention And Control Name: Dairy Crest Limited Location: Kirkby Creamery, Dairy Crest Ltd, Moorgate Road, Kirkby,, Liverpool, Merseyside, L33 7XW Authority: Environment Agency, North West Region Permit Reference: VP3234NX Original Permit Ref: Vp3234nx Effective Date: 2nd June 2014 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) d) (iii) Activity Description: CREATED BY IED - TREATMENT AND PROCESSING (OTHER THAN PACKAGING) OF ANIMAL OR VEGETABLE RAW MATERIALS (OTHER THAN MILK ONLY) WITH FINISHED PRODUCT CAPACITY GREATER THAN FORMULA SHOWN IN REGS Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.4 A(1) (a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N	A14SE (E)	799	2	342190 397030
3	Local Authority Pollution Prevention and Controls Name: Carcraft Location: East Lancashire Road, Liverpool, L11 0aj Authority: Liverpool City Council, Liverpool Environmental Health & Trading Standards Division Permit Reference: PPC/DC/01-07 Dated: 29th January 2008 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Permitted Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	765	3	340684 396719
4	Local Authority Pollution Prevention and Controls Name: Otis Plc Location: Liverpool Works, Moorgate Road, LIVERPOOL, Merseyside, L33 7XW Authority: Knowsley Metropolitan Borough Council, Environmental Health and Consumer Protection Division Permit Reference: B3/0992/6.5/05 Dated: 1st September 1992 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Authorised Positional Accuracy: Automatically positioned to the address	A14NE (E)	963	4	342352 397216
	Nearest Surface Water Feature	A13SW (SW)	165	-	341269 396980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Knowsley Brook Incident Date: 1st November 1994 Incident Reference: 94440144 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	371	2	341600 396800
6	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Knowsley Brook; Various Oil And Sewage Incident Date: 30th January 1995 Incident Reference: 95440021 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	421	2	341500 396700
7	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Unknown Note: Knowsley Brook Incident Date: 16th March 1994 Incident Reference: 94440035 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	457	2	341600 396700
8	Pollution Incidents to Controlled Waters Property Type: Spillage; Accident - Static Site Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Knowsley Brook Incident Date: 5th September 1994 Incident Reference: 94440125 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Poor/Inadequate Maintenance Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	592	2	341900 396800
9	Pollution Incidents to Controlled Waters Property Type: Spillage; Accident In Transit Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Blood And Offal Note: Knowsley Brook Incident Date: 13th November 1991 Incident Reference: 91440094 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	594	2	341700 396600
10	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Croxteth Brook Incident Date: 10th September 1991 Incident Reference: 91440074 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	683	2	340800 396700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Pollution Incidents to Controlled Waters Property Type: Manufacturing: Other Manufacturing Location: Knowsley Industrial Estate Authority: Environment Agency, North West Region Pollutant: Contaminated Material : Water With Mixed-Contaminants Note: Not Supplied Incident Date: 19th March 1999 Incident Reference: 1883 Catchment Area: Knowsley Brook Receiving Water: River Stretch (Freshwater) Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	728	2	342000 396705
11	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Not Given Note: Knowsley Brook Incident Date: 2nd July 1991 Incident Reference: 91440047 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	731	2	342000 396700
11	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: Knowsley Brook, School Authority: Environment Agency, North West Region Pollutant: Organic Chemicals : Other Note: Not Supplied Incident Date: 19th March 1999 Incident Reference: 1884 Catchment Area: Knowsley Brook Receiving Water: River Stretch (Freshwater) Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	732	2	342005 396705
11	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Belltower Hotel, KNOWSLEY Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: Not Supplied Incident Reference: CE981307 Catchment Area: Alt Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	733	2	342000 396695
11	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: School Lane, KNOWSLEY Authority: Environment Agency, North West Region Pollutant: Organic Chemicals : Other Note: Not Supplied Incident Date: 15th March 1999 Incident Reference: 1859 Catchment Area: Knowsley Brook Receiving Water: River Stretch (Freshwater) Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	735	2	342005 396700
11	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Knowsley le Outfall, School Lane , KNOWSLEY Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Not Supplied Incident Date: 7th September 1998 Incident Reference: CE980850 Catchment Area: Alt Receiving Water: Freshwater Stream/River Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	737	2	342005 396695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Industrial Effluent Note: Knowsley Brook; Process Matter Incident Date: 23rd August 1993 Incident Reference: 93450109 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	791	2	342000 396600
12	Pollution Incidents to Controlled Waters Property Type: Pollution Found Source Not Determined Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Chemicals - Unknown Note: Knowsley Brook; Unknown Chemicals Incident Date: 29th May 1996 Incident Reference: 96440075 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	794	2	342000 396595
13	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Chemicals - Other Organic Note: Knowsley Brook; Maize Starch Washing Incident Date: 14th August 1996 Incident Reference: 96440113 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Treatment System Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	810	2	342200 397200
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Colour Note: Knowsley Brook Incident Date: 13th August 1991 Incident Reference: 91440062 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	815	2	342100 396700
15	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Oils - Other Fuel Oil Note: River Alt; Heating Oil Incident Date: 22nd August 1996 Incident Reference: 96440122 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	838	2	340800 397800
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Not Given Note: Knowsley Brook; None Pollution Found Incident Date: 14th November 1991 Incident Reference: 91440097 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	838	2	340500 397300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Other Oil Note: Knowsley Brook; Oil & Waste Water Incident Date: 8th December 1992 Incident Reference: 92450031 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	870	2	342100 396600
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Merseyside Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Vehicle Washings And De Waxing Note: Kirkby Brook; Vehicle Washings Incident Date: 22nd August 1996 Incident Reference: 96440128 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	904	2	340700 397800
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Industrial Effluent Note: Knowsley Brook; Starch Solution Incident Date: 19th August 1993 Incident Reference: 93450108 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	910	2	342300 397200
20	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Other Organic Note: Knowsley Brook; Starch Incident Date: 29th January 1994 Incident Reference: 94440013 Catchment Area: Alt Receiving Water: Not Given Cause of Incident: Mechanical Failure Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	925	2	342300 397300
21	Pollution Incidents to Controlled Waters Property Type: Schools/Universities Location: Kirkby Brook Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: Blue/White Liqueur From Sewage Water Drain; Kirkby Bk; Emulsion Paint Incident Date: 7th November 1997 Incident Reference: 97440132 Catchment Area: Alt Receiving Water: Freshwater Stream/River Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	978	2	340700 397900
	River Quality Name: Knowsley Bk GQA Grade: River Quality C Reach: Qsl At Knowsley Stw (Old) To Croxteth Bk Estimated Distance (km): 2.2 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13SW (S)	255	2	341303 396863

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Croxteth/Knowsley Bk GQA Grade: River Quality C Reach: Qsl At Knowsley Bk To Alt Estimated Distance (km): .9 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A12SW (W)	669	2	340659 397052
22	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 31st August 2018 Incident Reference: 1648173 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: Inorganic Chemicals : Acids	A12NE (W)	310	2	341013 397153
23	Water Abstractions Operator: United Utilities Water Ltd Licence Number: 2569031024 Permit Version: 102 Location: B/Holes, Wells, Adits & Headings At Knowsley Randles Bridge Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th November 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	686	2	340900 396600
23	Water Abstractions Operator: United Utilities Water Ltd Licence Number: 2569031024 Permit Version: 100 Location: B/Holes, Wells, Adits & Headings At Knowsley Randles Bridge Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Boreholes Wells Adits And Headingsat Knowley (Randles Bridges) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th February 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	686	2	340900 396600
24	Water Abstractions Operator: Dairy Crest Ltd Licence Number: 2569031142r01 Permit Version: 2 Location: Land @ Dairy Crest, Kirkby Authority: Environment Agency, North West Region Abstraction: Dairies: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 13th June 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	972	2	342350 396930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Water Abstractions Operator: Dairy Crest Ltd Licence Number: 2569031142r01 Permit Version: 2 Location: Land @ Dairy Crest, Kirkby Authority: Environment Agency, North West Region Abstraction: Dairies: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 13th June 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	972	2	342350 396930
24	Water Abstractions Operator: Dairy Crest Ltd Licence Number: 2569031142r01 Permit Version: 1 Location: Land @ Dairy Crest, Kirkby Authority: Environment Agency, North West Region Abstraction: Dairies: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	972	2	342350 396930
24	Water Abstractions Operator: Dairy Crest Ltd Licence Number: 2569031142r01 Permit Version: 1 Location: Land @ Dairy Crest, Kirkby Authority: Environment Agency, North West Region Abstraction: Dairies: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	972	2	342350 396930
24	Water Abstractions Operator: Dairy Crest Ltd Licence Number: 2569031142 Permit Version: 1 Location: Land @ Dairy Crest, Kirkby Authority: Environment Agency, North West Region Abstraction: Dairies: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th August 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	972	2	342350 396930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Water Abstractions Operator: Dairy Crest Ltd Licence Number: 2569031142 Permit Version: 1 Location: Land @ Dairy Crest, Kirkby Authority: Environment Agency, North West Region Abstraction: Dairies: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th August 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	972	2	342350 396930
	Water Abstractions Operator: Liverpool Football Club Soccer Academy Licence Number: 2569031131 Permit Version: 1 Location: Borehole B At Kirkby Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th September 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1808	2	342460 398570
	Water Abstractions Operator: Liverpool Football Club Soccer Academy Licence Number: 2569031131 Permit Version: 1 Location: Borehole B At Kirkby Authority: Environment Agency, North West Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th September 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1808	2	342460 398570
	Water Abstractions Operator: Liverpool Football Club Soccer Academy Licence Number: 2569031131 Permit Version: 1 Location: Borehole A At Kirkby Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th September 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1810	2	342450 398580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Liverpool Football Club Soccer Academy Licence Number: 2569031131 Permit Version: 1 Location: Borehole A At Kirkby Authority: Environment Agency, North West Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th September 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1810	2	342450 398580
	Water Abstractions Operator: Liverpool Football Club & Athletic Grounds Limited Licence Number: 2569031131 Permit Version: 3 Location: Borehole At Kirkby Authority: Environment Agency, North West Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Liverpool Way, Kirkby Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 19th November 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1832	2	342445 398610
	Water Abstractions Operator: Liverpool Football Club & Athletic Grounds Limited Licence Number: 2569031131 Permit Version: 3 Location: Borehole At Kirkby Authority: Environment Agency, North West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Liverpool Way, Kirkby Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 19th November 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1832	2	342445 398610
	Water Abstractions Operator: Liverpool Football Club & Athletic Grounds Limited Licence Number: 2569031131 Permit Version: 2 Location: Borehole At Kirkby Authority: Environment Agency, North West Region Abstraction: Sports Grounds/Facilities: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Liverpool Way, Kirkby Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd October 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1832	2	342445 398610

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: Mixed Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: <3m Superficial Recharge: Low	A13SW (NE)	0	5	341358 397127
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SW (NE)	0	5	341358 397127
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (NE)	0	5	341358 397127
25	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13SW (NE)	0	2	341358 397127
26	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13SW (SW)	146	2	341271 396999
27	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A8NW (SW)	558	2	341026 396668
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	196	2	341251 396952
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	197	2	341242 396957
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 453.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A13SW (SW)	165	6	341269 396980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 617.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A13SW (SW)	202	6	341255 396945
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.3 Watercourse Level: Underground Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A13SW (SW)	228	6	341159 396981
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A13SW (SW)	331	6	341045 396960
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A13SW (SW)	331	6	341070 396926
33	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: Alt Primacy: 1	A12SE (SW)	349	6	341012 396979
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 381.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A12SE (SW)	393	6	341015 396894
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8NE (SE)	505	6	341687 396697
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A8NE (SE)	506	6	341687 396697
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8NW (SW)	646	6	341072 396540

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8NW (S)	650	6	341189 396487
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 905.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A12SW (W)	651	6	340674 397078
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.8 Watercourse Level: Underground Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A9NW (SE)	651	6	341839 396633
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 227.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Croxteth Brook Catchment Name: Alt Primacy: 1	A7NE (SW)	655	6	340991 396567
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8NW (S)	659	6	341184 396479
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.2 Watercourse Level: Underground Permanent: True Watercourse Name: Croxteth Brook Catchment Name: Alt Primacy: 1	A7NE (SW)	660	6	340839 396690
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8NW (SW)	661	6	341029 396546
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 377.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Croxteth Brook Catchment Name: Alt Primacy: 1	A7NE (SW)	664	6	340822 396702
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 273.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Croxteth Brook Catchment Name: Alt Primacy: 1	A7NE (SW)	665	6	341009 396553

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8NW (SW)	670	6	341057 396520
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8NW (SW)	672	6	341064 396514
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A9NW (SE)	674	6	341866 396628
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8NW (S)	675	6	341187 396461
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8NW (S)	677	6	341173 396464
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8NW (S)	694	6	341112 396469
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8NW (S)	698	6	341120 396461
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 205.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8SW (S)	709	6	341138 396435
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8SW (S)	714	6	341137 396437

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A9NW (SE)	745	6	341964 396629
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A9NW (SE)	748	6	341971 396632
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Croxteth Brook Catchment Name: Alt Primacy: 1	A8SW (S)	795	6	341125 396356
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 679.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Croxteth Brook Catchment Name: Alt Primacy: 1	A8SW (S)	795	6	341130 396354
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.6 Watercourse Level: Underground Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A9NW (SE)	813	6	342023 396594
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A9NW (SE)	825	6	342032 396585
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A8SE (S)	854	6	341679 396302
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A9NE (SE)	890	6	342079 396540
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A9NE (SE)	890	6	342079 396540

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: Underground Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A9NE (SE)	935	6	342140 396544
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A9NE (SE)	944	6	342152 396545
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Alt Primacy: 1	A9NE (SE)	946	6	342156 396547
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A9NE (SE)	947	6	342156 396546
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: Underground Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A9NE (SE)	951	6	342161 396546
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowsley Brook Catchment Name: Alt Primacy: 1	A9NE (SE)	959	6	342172 396547
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 570.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Kirkby Brook Catchment Name: Alt Primacy: 1	A17NE (NW)	974	6	340710 397902

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	Historical Landfill Sites Licence Holder: Knowsley District Council Location: Bewley Drive, Kirby, Merseyside Name: Brookfield School Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD07416 First Input Date: 1st January 1990 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: K1/17/221, 319/01, GDO 221	A17SE (NW)	707	2	340761 397572
73	Historical Landfill Sites Licence Holder: Not Supplied Location: Back of Gillmoss Lane, Gillmoss, Liverpool, Merseyside Name: Gillmoss B Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16546 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: K1/16/219, GDO M219	A12SW (W)	970	2	340352 397115
	Local Authority Landfill Coverage Name: Knowsley Metropolitan Borough Council - Has supplied landfill data		0	7	341358 397127
	Local Authority Landfill Coverage Name: Merseyside Waste Disposal Authority - Has supplied landfill data		0	8	341358 397127
	Local Authority Landfill Coverage Name: Liverpool City Council - Has no landfill data to supply		651	3	340911 396636
74	Local Authority Recorded Landfill Sites Location: Brookfield School, Bewley Drive, Knowsley Reference: K014 Authority: Merseyside Waste Disposal Authority Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	A17SE (NW)	835	8	340700 397700
75	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A14SW (SE)	492	-	341821 396862
76	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A8NE (S)	620	-	341407 396486
77	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A19SE (NE)	835	-	342044 397634
78	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A9NE (SE)	883	-	342081 396553
79	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13SW (SW)	38	-	341318 397097

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13NE (N)	197	-	341425 397323
81	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (S)	270	-	341358 396836
82	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13NE (N)	274	-	341455 397395
83	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13NE (NE)	389	-	341642 397410
84	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13NE (NE)	389	-	341620 397426
85	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A18SE (N)	402	-	341499 397515
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14NW (E)	411	-	341784 397243
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SE (SW)	442	-	340974 396868
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14NW (E)	442	-	341833 397168
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A18SW (NW)	462	-	341065 397530
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A17SE (NW)	490	-	340991 397506
91	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14NW (E)	508	-	341897 397187
92	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SE (W)	577	-	340787 396924
93	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SW (E)	583	-	341975 397050
94	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SW (E)	585	-	341979 397073
95	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SW (E)	614	-	342006 397057
96	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A7NE (SW)	621	-	340963 396634
97	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A18SW (N)	628	-	341168 397758
98	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SW (E)	631	-	342025 397073
99	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SW (E)	639	-	342030 397039
100	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A18SW (N)	653	-	341147 397778

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A17SE (NW)	654	-	341014 397724
102	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A8NW (S)	662	-	341215 396467
103	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14NE (E)	670	-	342063 397164
104	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A8SW (S)	673	-	341269 396444
105	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A7NE (SW)	685	-	340892 396605
106	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SE (E)	702	-	342081 396958
107	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17SE (NW)	717	-	340938 397752
108	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A17SE (NW)	729	-	341002 397802
109	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12NW (W)	760	-	340575 397277
110	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A9NW (SE)	765	-	341999 396640
111	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SE (E)	765	-	342156 397030
112	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A17SE (NW)	779	-	340800 397722
113	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8SE (S)	791	-	341591 396340
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12NW (W)	807	-	340533 397305
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12NW (W)	813	-	340548 397389
116	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A12SW (W)	823	-	340501 397088
117	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A7SE (SW)	846	-	340923 396394
118	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A12SW (W)	848	-	340475 397127
119	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A17SE (NW)	853	-	340731 397760
120	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SE (E)	879	-	342224 396816
121	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A9SW (SE)	881	-	341730 396294

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A14SE (E)	909	-	342300 397024
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A7NW (SW)	913	-	340541 396666
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A7NW (SW)	917	-	340586 396594
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A9SW (SE)	917	-	341784 396278
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A17NE (NW)	928	-	340921 397985
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A9NE (SE)	930	-	342194 396633
128	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14NE (E)	939	-	342300 397362
129	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A7NW (SW)	940	-	340575 396570
130	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A7NW (SW)	941	-	340526 396639
131	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A7NW (SW)	988	-	340533 396546
132	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A7NW (W)	988	-	340408 396765
133	Registered Landfill Sites Licence Holder: Knowsley M.B.C. Licence Reference: 319/01 Site Location: Brookfield School, Bewley Drive, Kirkby, Liverpool, Merseyside Licence Easting: 340700 Licence Northing: 397700 Operator Location: P O Box 26 Municipal Buildings, Archway Road, Huyton, Merseyside, L36 9fb Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st August 1990 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Alternative Max.Waste Permitted By Lic Brick, Stone, Concrete, Etc. Inert Spoil, Soils, Clays Prohibited Waste: Household + Commercial Waste Leachable Contamination Liquid/Sludge Wastes Special Wastes	A17SE (NW)	835	2	340700 397700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13SW (NE)	0	1	341358 397127
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (NE)	0	1	341358 397127
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A13SW (S)	106	1	341358 397000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	144	1	341523 397045
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13SE (SE)	152	1	341500 397000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	176	1	341533 397000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	232	1	341558 397274

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 Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	322	1	341000 397127
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14SW (E)	429	1	341810 397000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (NE)	458	1	341587 397529
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	520	1	341903 397000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	595	1	341187 396536
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	604	1	341726 397614

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 Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8NW (S)	606	1	341358 396500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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:	A14NW (NE)	674	1	342000 397407
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SE (NW)	713	1	341000 397783
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7NE (SW)	716	1	341000 396500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 600 - 1200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SW (W)	834	1	340500 397000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 120 - 180 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SE (SW)	891	1	340894 396359

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 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:	A9NE (SE)	899	1	342083 396531
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	929	1	340531 396653
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	945	1	340384 397256
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: 600 - 1200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	945	1	340500 396674
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (S)	993	1	341000 396191
134	BGS Recorded Mineral Sites Site Name: Cherry Field House Gravel Pit Location: Moss Side, Kirkby, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 95040 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Permian, Triassic Geology: Sherwood Sandstone Group Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	515	1	341847 396862

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	BGS Recorded Mineral Sites Site Name: Radshaw Nook Gravel Pit Location: Moss Side, Kirkby, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 95041 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8NE (S)	652	1	341453 396457
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	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	A13SW (NE)	0	1	341358 397127
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	341358 397127
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	341358 397127
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	341358 397127
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	341358 397127
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	150	1	341471 397241
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	341358 397127
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	150	1	341471 397241
	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	A13SW (NE)	0	1	341358 397127
	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	A13SW (NE)	0	1	341358 397127

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	Contemporary Trade Directory Entries Name: Gerard Reid Location: 137, Ribblers Lane, Liverpool, L32 7RA Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	23	-	341380 397084
137	Contemporary Trade Directory Entries Name: Impressed Ironing Location: 24, Pershore Road, LIVERPOOL, L32 3XA Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	483	-	341388 397631
138	Contemporary Trade Directory Entries Name: Brammer Uk Location: Unit 1 Ribblers Lane, Knowsley, Prescott, L34 9HA Classification: Engineering Materials Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	671	-	341920 396691
138	Contemporary Trade Directory Entries Name: Primar Location: Ribblers La, Knowsley, Prescott, Merseyside, L34 9HA Classification: Precision Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	678	-	341908 396666
139	Contemporary Trade Directory Entries Name: Squeaky Clean Location: 3, Morston Crescent, Liverpool, L32 9QE Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	673	-	341288 397822
140	Contemporary Trade Directory Entries Name: Singleton Trading Location: Saturn Park, School Lane, Knowsley Business Park, Prescott, Merseyside, L34 9JG Classification: Toys, Games & Sporting Goods - Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	708	-	341887 396601
141	Contemporary Trade Directory Entries Name: Mydentist Carlis Road Liverpool Location: WHITECROSS DENTAL CARE, 17, CARLIS ROAD, SOUTHDENE, KIRKBY, L32 6QS Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	752	-	341923 397644
142	Contemporary Trade Directory Entries Name: Dairy Crest Ltd Location: Moorgate Road, Knowsley Industrial Park, Liverpool, L33 7XW Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	799	-	342190 397030
143	Contemporary Trade Directory Entries Name: J K Cleaning Location: 84, Gaywood Avenue, Liverpool, L32 7PQ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	815	-	342138 397444
144	Contemporary Trade Directory Entries Name: D H L Exel Supply Chain Burton Foods Location: Unit 1, Portal Way, Liverpool, L11 0JA Classification: Distribution Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	825	-	340509 396997
145	Contemporary Trade Directory Entries Name: I P Truck Parts Location: School Lane, Knowsley, Prescott, Merseyside, L34 9EN Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	850	-	341980 396493

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	Contemporary Trade Directory Entries Name: I P Truckparts Ltd Location: School Lane, Knowsley, Prescot, Merseyside, L34 9EN Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	850	-	341980 396493
145	Contemporary Trade Directory Entries Name: Stl Heating And Energy Location: School Lane, Prescot, Merseyside, L34 9AA Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	874	-	342006 396484
145	Contemporary Trade Directory Entries Name: Home 2 Office Watercoolers Location: Unit 5 The Gateway, School Lane, Prescot, Merseyside, L34 9AA Classification: Water Coolers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	874	-	342006 396484
146	Contemporary Trade Directory Entries Name: Ecoelec Location: Dickens Cl, Kirkby, Liverpool, Merseyside, L32 9SW Classification: Electrical Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	863	-	340654 397689
147	Contemporary Trade Directory Entries Name: Sim Switchgear Location: Unit 10, Gateway, School Lane, Knowsley, Prescot, L34 9EN Classification: Electronic Component Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	908	-	342073 396505
147	Contemporary Trade Directory Entries Name: Reva Engineering Location: School Lane, Knowsley Business Park, PRESCOT, Merseyside, L34 9AA Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	921	-	342062 396475
148	Contemporary Trade Directory Entries Name: J J Smith & Company Woodworking Machinery Ltd Location: Moorgate Point, Moorgate Road, Knowsley Industrial Park, Liverpool, L33 7DR Classification: Woodworking Machinery Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	941	-	342334 397168
149	Contemporary Trade Directory Entries Name: Aluminium Wire & Conductor Plc Location: School Lane, Knowsley Business Park, Prescot, Merseyside, L34 9GS Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	959	-	342242 396659
150	Contemporary Trade Directory Entries Name: Muni-Serv Hire Location: Unit 7a Moorgate Point, Moorgate Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7XW Classification: Garage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	963	-	342352 397216
150	Contemporary Trade Directory Entries Name: First Choice Commercials Location: Moorgate Point, Moorgate Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7DR Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	963	-	342352 397216
150	Contemporary Trade Directory Entries Name: Amey Location: Moorgate Point, Moorgate Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7XW Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NE (E)	963	-	342352 397216

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	Contemporary Trade Directory Entries Name: Cheshire Distribution North West Ltd Location: Enterprise Centre Moorgate Point, Moorgate Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7XW Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NE (E)	963	-	342352 397216
151	Fuel Station Entries Name: East Lancashire Self Serve Location: East Lancashire Road , Kirkby , Liverpool, Merseyside, L32 7QZ Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A14SW (SE)	680	-	342000 396800
152	Points of Interest - Commercial Services Name: Motor Worx Location: 26 Morston Avenue, Southdene, Kirkby, L32 9PZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	733	9	341292 397883
153	Points of Interest - Commercial Services Name: D H L Exel Supply Chain Burton Foods Location: D H L Exel Supply Chain Burton Foods, Portal Way, Liverpool, L11 0JA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SW (W)	826	9	340509 396996
154	Points of Interest - Commercial Services Name: I P Truckparts Ltd Location: School Lane, Knowsley, Prescot, L34 9EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	850	9	341980 396493
154	Points of Interest - Commercial Services Name: I P Trucks Parts Location: School Lane, Knowsley, Prescot, L34 9EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	850	9	341980 396493
155	Points of Interest - Commercial Services Name: J M D Haulage Contractors Location: Saturn Business Park, School Lane, Knowsley Business Park, Knowsley, L34 9GJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NE (SE)	933	9	342229 396692
156	Points of Interest - Commercial Services Name: First Choice Commercials Location: Moorgate Point, Moorgate Road, Knowsley Industrial Park, Liverpool, L33 7DR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	963	9	342352 397216
156	Points of Interest - Commercial Services Name: Enterprise Liverpool Location: Moorgate Point, Moorgate Road, Knowsley Industrial Park, Liverpool, L33 7XW Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14NE (E)	963	9	342352 397216
156	Points of Interest - Commercial Services Name: Cheshire Distribution North West Ltd Location: Enterprise Centre Moorgate Point, Moorgate Road, Knowsley Industrial Park, Liverpool, L33 7XW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NE (E)	963	9	342352 397216
157	Points of Interest - Commercial Services Name: Gleam Machine Location: 203 Bewley Drive, Southdene, Kirkby, L32 9PF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17NE (N)	991	9	340968 398074

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	Points of Interest - Manufacturing and Production Name: Solar Panel Location: L32 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	780	9	342123 396828
159	Points of Interest - Manufacturing and Production Name: J Williams Location: 17c-17d, School Lane, Knowsley Business Park, Knowsley, L34 9EN Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A9NW (SE)	816	9	341976 396536
159	Points of Interest - Manufacturing and Production Name: J Williams Location: School Lane, Knowsley, Prescot, L34 9EN Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A9NW (SE)	817	9	341977 396536
159	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	A9NW (SE)	834	9	342009 396545
160	Points of Interest - Manufacturing and Production Name: Industrial Training Centre Location: L32 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	845	9	342214 397319
161	Points of Interest - Manufacturing and Production Name: Saturn Business Park Location: L34 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	949	9	342220 396640
162	Points of Interest - Manufacturing and Production Name: Ferazzi Marble Location: 6 Moorgate Point, Moorgate Road, Knowsley Industrial Park, Liverpool, Merseyside, L33 7AZ Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A14NE (E)	963	9	342352 397216
162	Points of Interest - Manufacturing and Production Name: N W Industrial LLP Location: Moorgate Point, Moorgate Road, Knowsley Industrial Park, Liverpool, L33 7XW Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NE (E)	963	9	342352 397216
162	Points of Interest - Manufacturing and Production Name: N W Industrial LLP Location: Moorgate Point, Moorgate Road, Knowsley Industrial Park, Liverpool, L33 7XW Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NE (E)	963	9	342352 397216
163	Points of Interest - Manufacturing and Production Name: Tank Location: L33 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14SE (E)	965	9	342354 397003
163	Points of Interest - Manufacturing and Production Name: Tanks Location: L33 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	965	9	342355 397009

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
163	Points of Interest - Manufacturing and Production Name: Tank Location: L33 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14SE (E)	966	9	342354 396995
163	Points of Interest - Manufacturing and Production Name: Tank Location: L33 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14SE (E)	969	9	342358 397003
164	Points of Interest - Manufacturing and Production Name: Tanks Location: L34 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SE (SE)	987	9	342096 396415
165	Points of Interest - Public Infrastructure Name: Outfall Location: L32 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	365	9	341562 396784
165	Points of Interest - Public Infrastructure Name: Outfall Location: L32 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	367	9	341567 396785
166	Points of Interest - Public Infrastructure Name: Sluice Location: L32 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	470	9	341642 396710
166	Points of Interest - Public Infrastructure Name: Sluice Location: L32 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	470	9	341643 396710
166	Points of Interest - Public Infrastructure Name: Sluice Location: L32 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	508	9	341691 396697
166	Points of Interest - Public Infrastructure Name: Sluice Location: L32 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	511	9	341696 396697
167	Points of Interest - Public Infrastructure Name: Tip Location: L11 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	677	9	341086 396498
168	Points of Interest - Public Infrastructure Name: Sluice Location: L34 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	761	9	341988 396633
168	Points of Interest - Public Infrastructure Name: Sluice Location: L34 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	765	9	341993 396632

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	Points of Interest - Public Infrastructure Name: Enterprise Liverpool Waste Location: Moorgate Point, Moorgate Road, Knowsley Industrial Park, Liverpool, L33 7XW Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14NE (E)	963	9	342352 397216
170	Points of Interest - Recreational and Environmental Name: Skatepark Location: L32 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	398	9	341699 397366
171	Points of Interest - Recreational and Environmental Name: Play Area Location: L32 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	503	9	341802 397405
172	Points of Interest - Recreational and Environmental Name: Playground Location: Gaywood Avenue, L32 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A19SW (NE)	554	9	341749 397535
173	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	A19SE (NE)	988	9	342119 397782

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
174	Areas of Adopted Green Belt Authority: Knowsley Metropolitan Borough Council Plan Name: Proposal Map Status: Adopted Plan Date: 6th January 2016	A13SW (SW)	12	7	341349 397111
175	Areas of Adopted Green Belt Authority: Liverpool City Council Plan Name: Liverpool Unitary Development Plan Status: Adopted Plan Date: 30th November 2002	A8SW (S)	795	10	341123 396356
176	Areas of Unadopted Green Belt Authority: Liverpool City Council Plan Name: Liverpool Local Plan Status: Submission Draft Plan Date: 22nd May 2018	A8SW (S)	793	10	341136 396354
177	Nitrate Vulnerable Zones Name: Alt Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SW (NE)	0	5	341358 397127

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Sefton Metropolitan Borough Council - Environmental Health Department St Helens Metropolitan Borough Council - Environmental Protection Department West Lancashire District Council - Environmental Services Knowsley Metropolitan Borough Council - Department of Planning and Development Liverpool City Council - Liverpool Environmental Health & Trading Standards Division	June 2020 October 2017 October 2017 October 2017 September 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North West Region	October 2022	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 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control St Helens Metropolitan Borough Council - Environmental Health Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Sefton Metropolitan Borough Council - Environmental Health Department West Lancashire District Council - Environmental Health Department	December 2014 December 2015 January 2015 July 2015 October 2014	Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls St Helens Metropolitan Borough Council - Environmental Health Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Sefton Metropolitan Borough Council - Environmental Health Department West Lancashire District Council - Environmental Health Department	December 2014 December 2015 January 2015 July 2015 October 2014	Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements St Helens Metropolitan Borough Council - Environmental Health Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Sefton Metropolitan Borough Council - Environmental Health Department West Lancashire District Council - Environmental Health Department	December 2014 December 2015 January 2015 July 2015 October 2014	Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	December 2022	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - North West Region	March 2013	
Registered Radioactive Substances Environment Agency - North West Region	June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register		
Environment Agency - North West Region - Central Area	October 2022	Quarterly
Environment Agency - North West Region - North Area	October 2022	Quarterly
Environment Agency - North West Region - South Area	October 2022	Quarterly
Water Abstractions		
Environment Agency - North West Region	October 2022	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Source Protection Zones		
Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2022	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	August 2022	Quarterly
Flood Defences		
Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines		
Ordnance Survey	January 2023	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability		
Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	November 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	October 2022 October 2022 October 2022	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Knowsley Metropolitan Borough Council Lancashire County Council - Waste Management Group Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Merseyside Waste Disposal Authority Sefton Metropolitan Borough Council - Environmental Health Department St Helens Metropolitan Borough Council West Lancashire District Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Knowsley Metropolitan Borough Council Lancashire County Council - Waste Management Group Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Merseyside Waste Disposal Authority Sefton Metropolitan Borough Council - Environmental Health Department St Helens Metropolitan Borough Council West Lancashire District Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	March 2006 March 2006 March 2006	Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	April 2018 April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	June 2015 June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Knowsley Metropolitan Borough Council Lancashire County Council Sefton Metropolitan Borough Council St Helens Metropolitan Borough Council West Lancashire District Council Liverpool City Council	August 2015 February 2016 February 2016 February 2016 February 2016 January 2016	Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Knowsley Metropolitan Borough Council Lancashire County Council Sefton Metropolitan Borough Council St Helens Metropolitan Borough Council West Lancashire District Council Liverpool City Council	August 2015 February 2016 February 2016 February 2016 February 2016 January 2016	Variable Variable Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	January 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	December 2022	Quarterly
Points of Interest - Education and Health PointX	December 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2022	Quarterly
Points of Interest - Public Infrastructure PointX	December 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

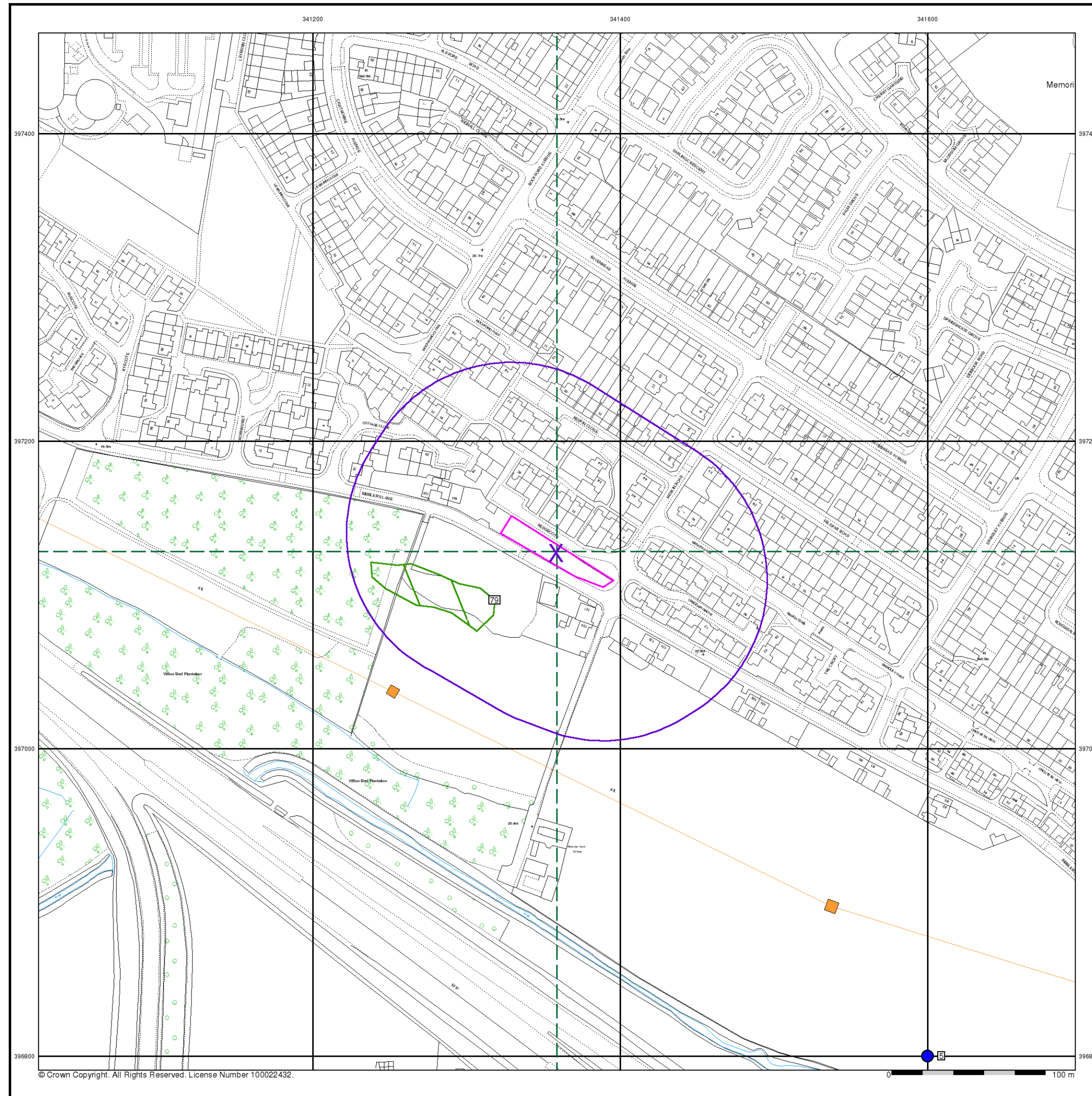
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Knowsley Metropolitan Borough Council Liverpool City Council Sefton Metropolitan Borough Council St Helens Metropolitan Borough Council West Lancashire District Council	July 2022 July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Knowsley Metropolitan Borough Council Liverpool City Council Sefton Metropolitan Borough Council St Helens Metropolitan Borough Council West Lancashire District Council	July 2022 July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	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	Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Millenium House, 60 Victoria Street, Liverpool, Merseyside, L1 6LD	Telephone: 0151 233 3000 Email: environmental.health@liverpool.gov.uk Website: www.liverpool.gov.uk
4	Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Municipal Buildings, Cherryfield Drive, Kirkby, Knowsley, Merseyside, L32 1TX	Telephone: 0151 443 4731 Fax: 0151 289 7488 Website: www.knowsley.gov.uk
5	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
6	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
7	Knowsley Metropolitan Borough Council Archway Road, Huyton, Liverpool, Merseyside, L36 9YU	Telephone: 0151 489 6000 Fax: 0151 443 2298 Website: www.knowsley.gov.uk
8	Merseyside Waste Disposal Authority 2nd Floor, North House, 17 North John Street, Liverpool, Merseyside, L2 5QY	Telephone: 0151 2551444 Fax: 0151 2271848 Email: enquiries@merseysidewda.gov.uk
9	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	Liverpool City Council 5th floor, Steers House, Canning Place, Liverpool, Merseyside, L1 8JA	Telephone: 0151 227 3911 Fax: 0151 709 1481 Website: www.liverpool.gov.uk
11	Sefton Metropolitan Borough Council Magdalen House, 30 Trinity Road, Bootle, Merseyside, L20 3NJ	Telephone: 0151 922 4040 Fax: 0151 934 3587 Website: www.sefton.gov.uk
12	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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General

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

Agency and Hydrological

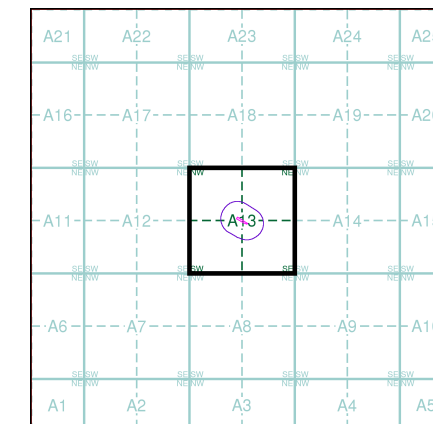
- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority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

Hazardous Substances

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

Geological

Site Sensitivity Map - Segment A13

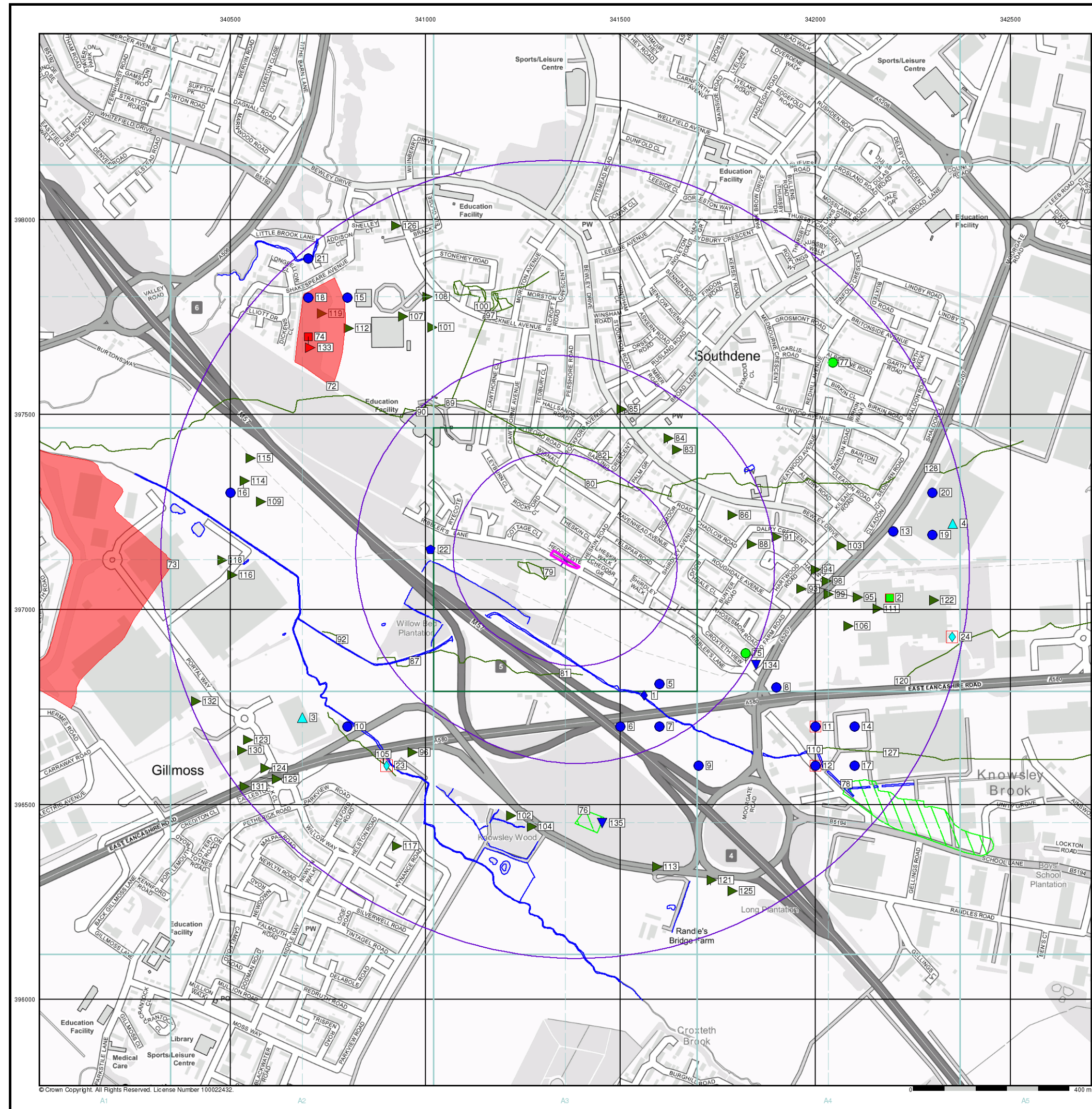


Order Details

Order Number: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Plot Buffer (m): 100

Site Details

137, Ribblers Lane, LIVERPOOL, L32 7RA



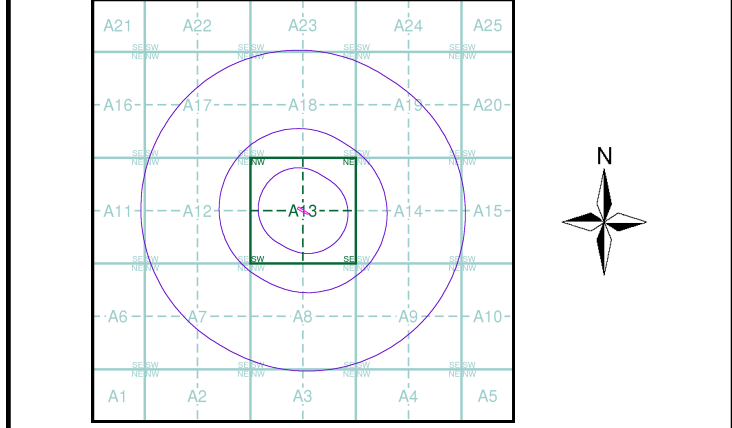
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- General**
 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice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

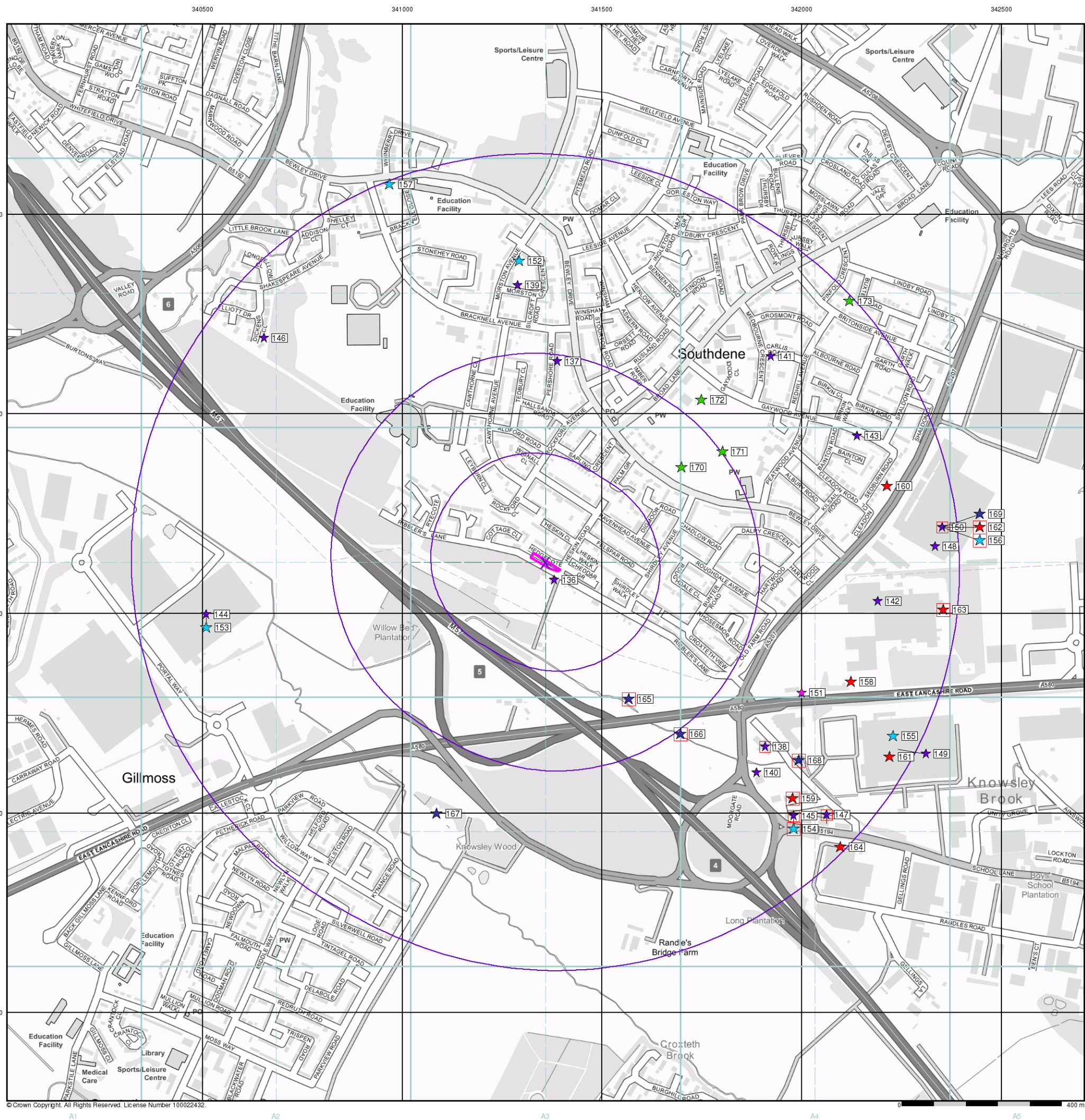
Site Sensitivity Map - Slice A



Order Details
Order Number: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details
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Industrial Land Use Map

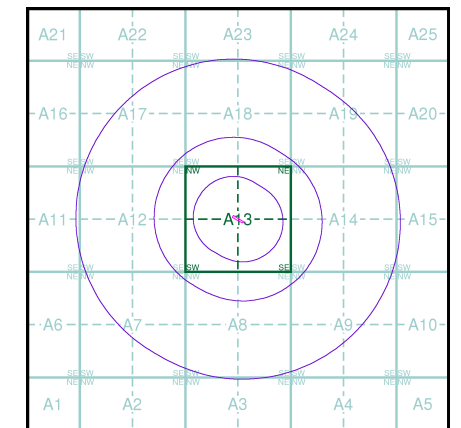
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

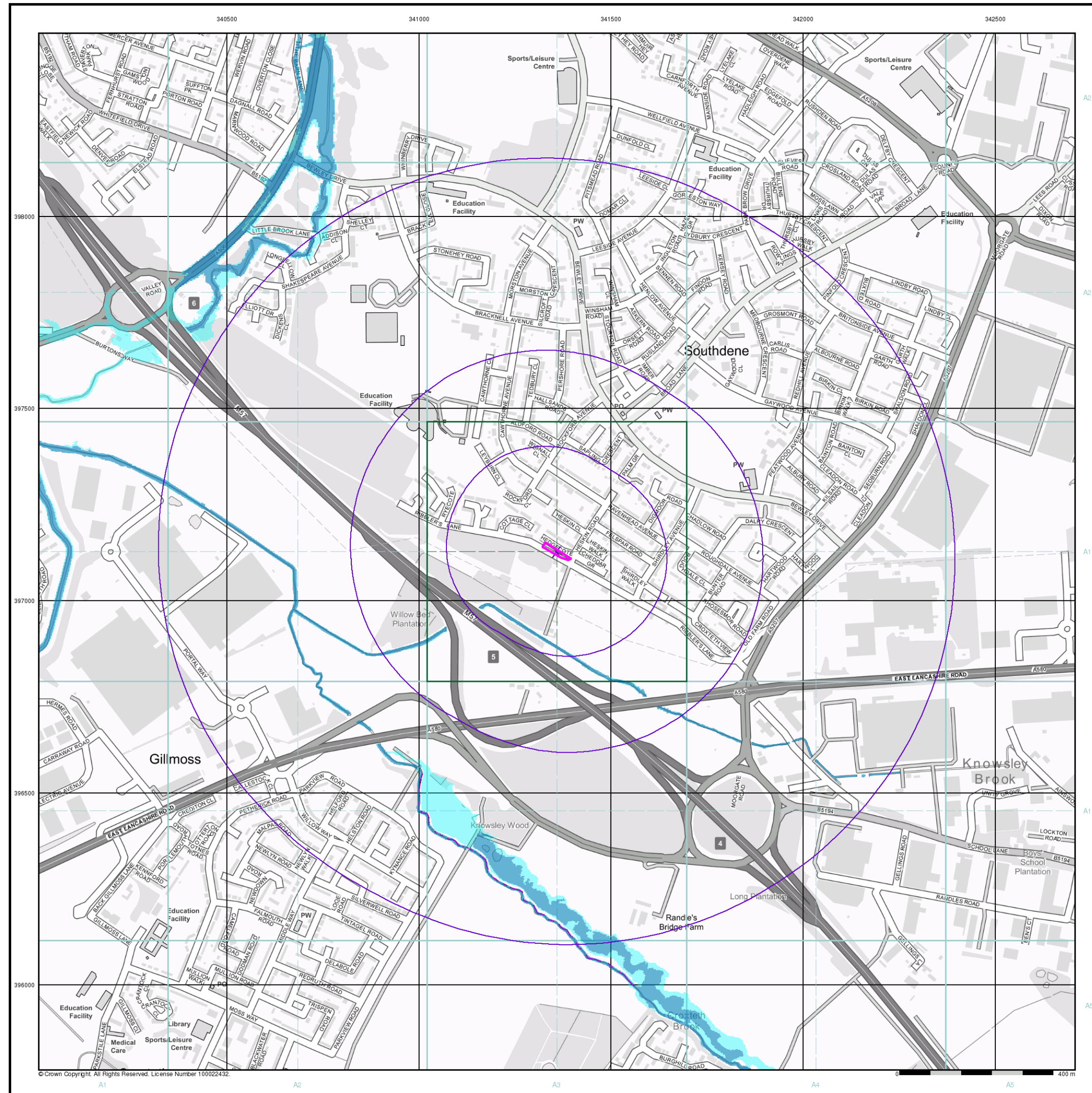
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Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

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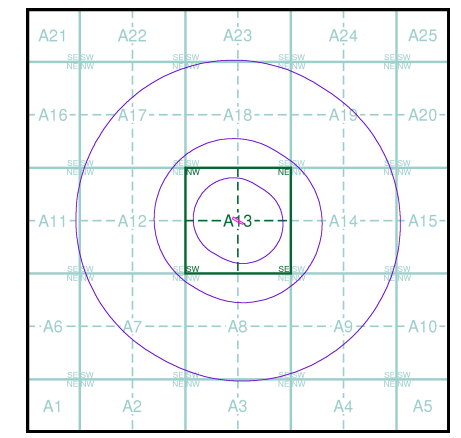
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

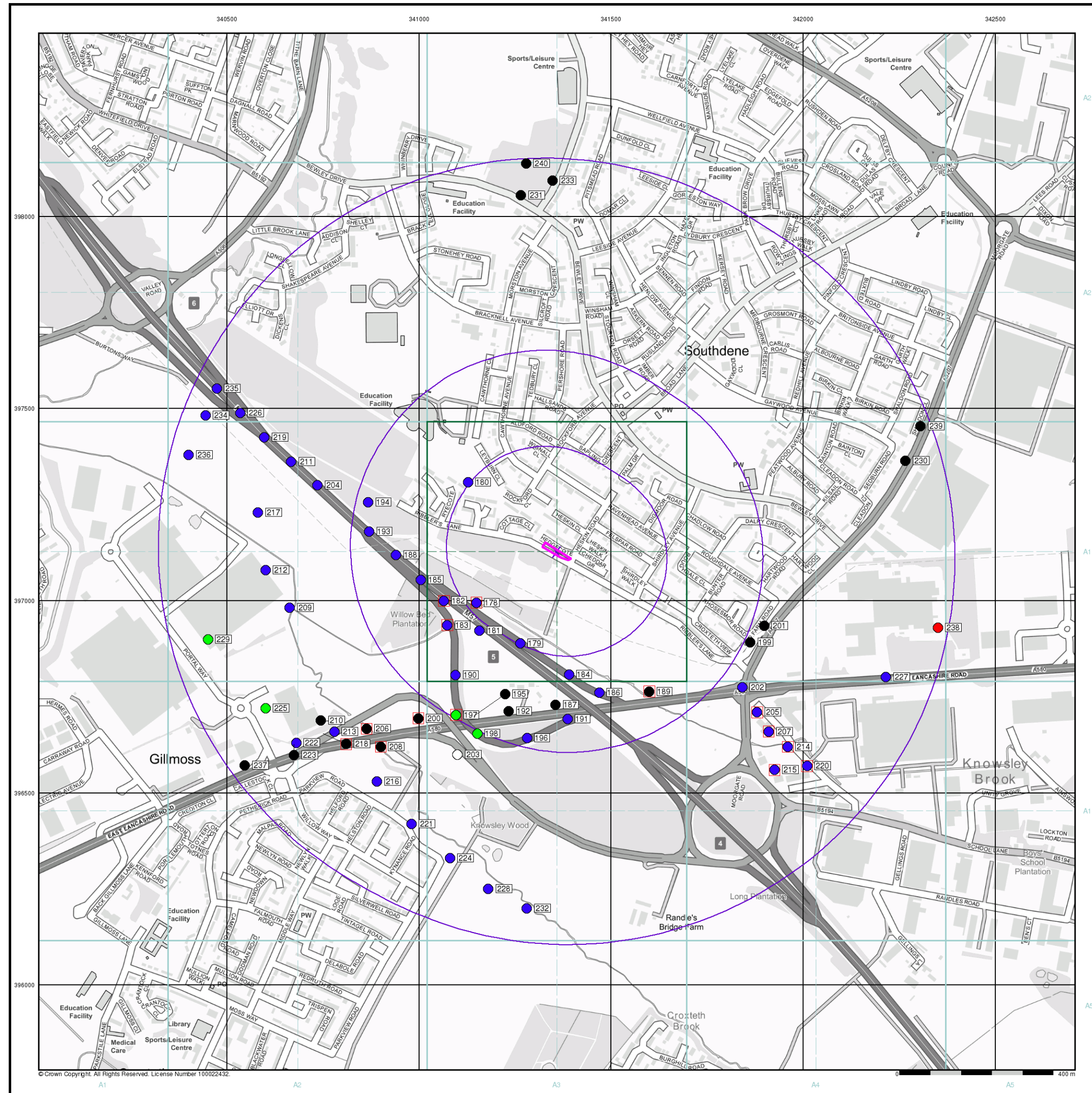
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Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

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General

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

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:	307078815_1_1
Customer Ref:	23-2325
National Grid Reference:	341360, 397130
Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	1000

Site Details

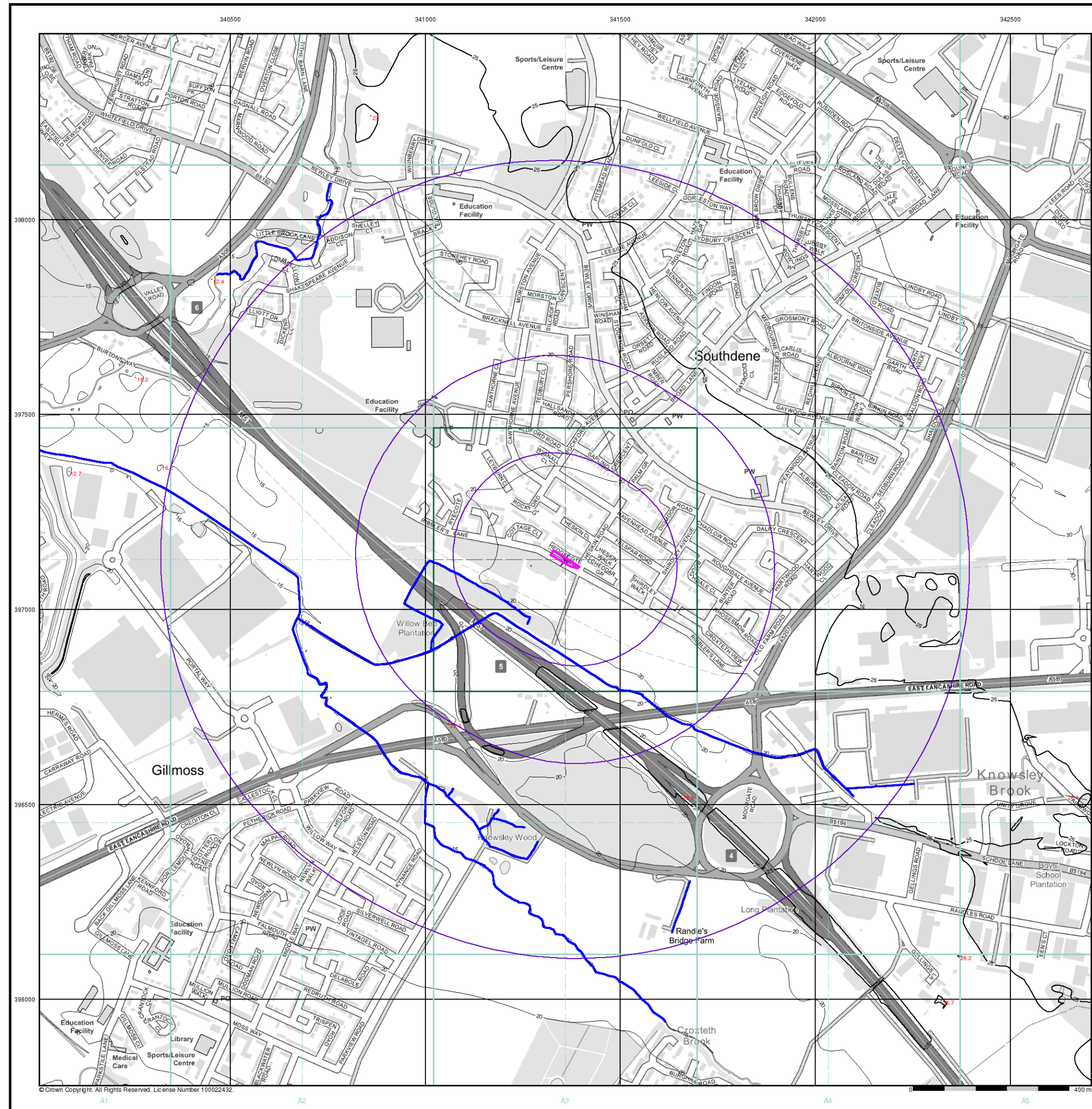
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General

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

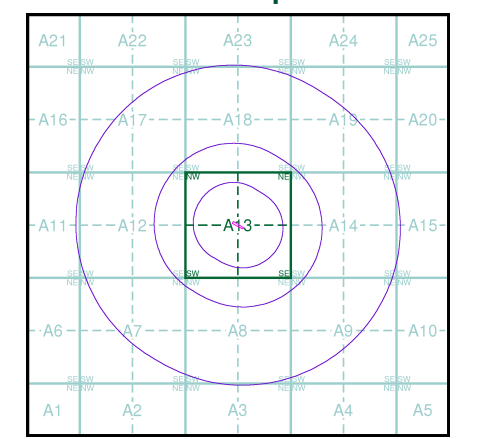
OS Water Network Data

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

Contours (height in meters)

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

OS Water Network Map - Slice A



Order Details

Order Number: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

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General

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

Risk of Flooding from Surface Water

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

Suitability

See the suitability map below

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

E/NRW Suitability Map - Slice A

Order Details

Order Number:	307078815_1_1
Customer Ref:	23-2325
National Grid Reference:	341360, 397130
Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	1000

Site Details

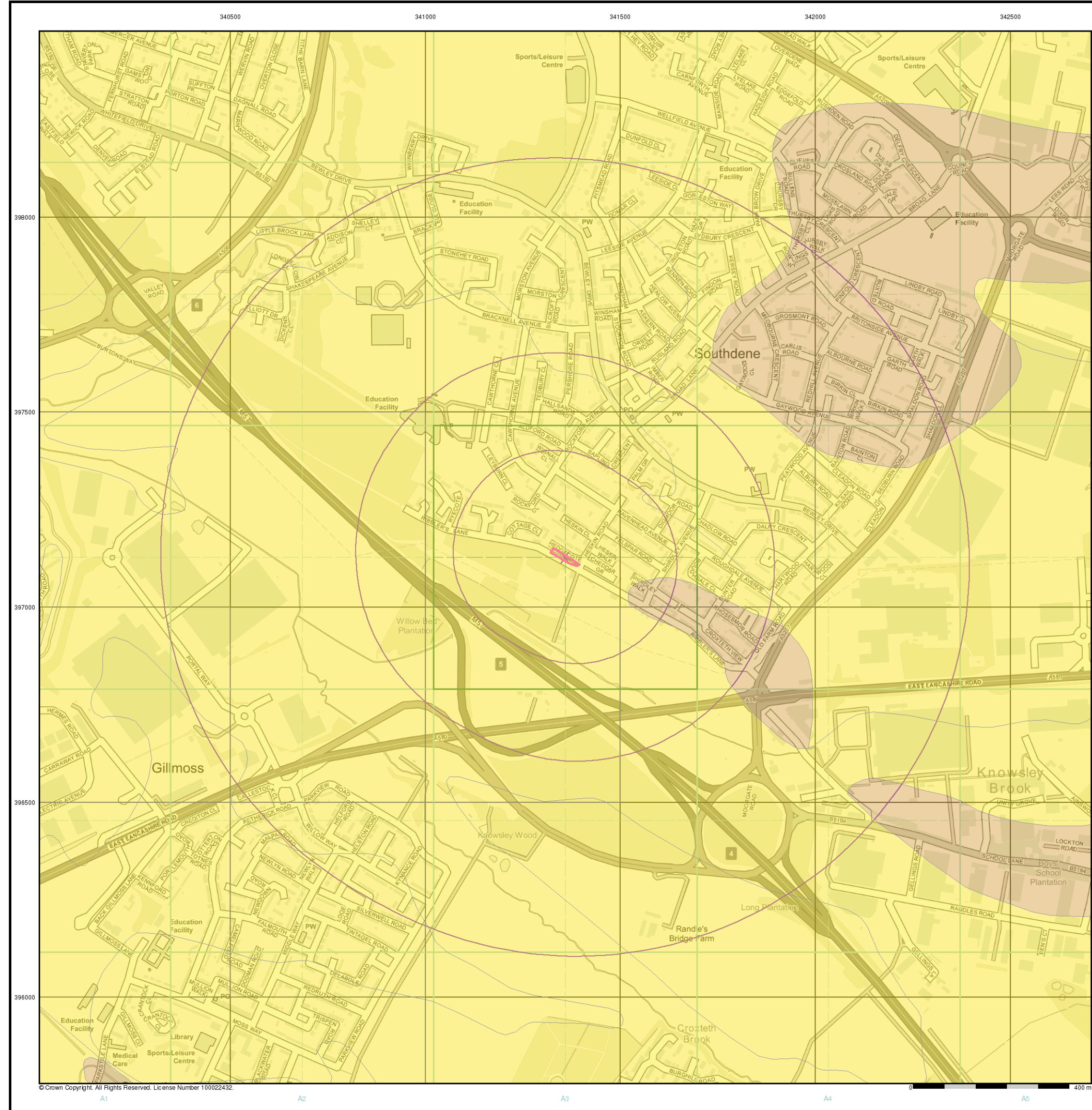
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General

📍 Specified Site 📏 Specified Buffer(s) ✕ Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

< 15
15 - 25
25 - 35
35 - 45
45 - 60
60 - 120
> 120

Estimated Soil Chemistry Arsenic - Slice A

Order Details

Order Details:	307078815_1_1
Customer Ref:	23-2325
National Grid Reference:	341360, 397130
Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	1000

Site Details

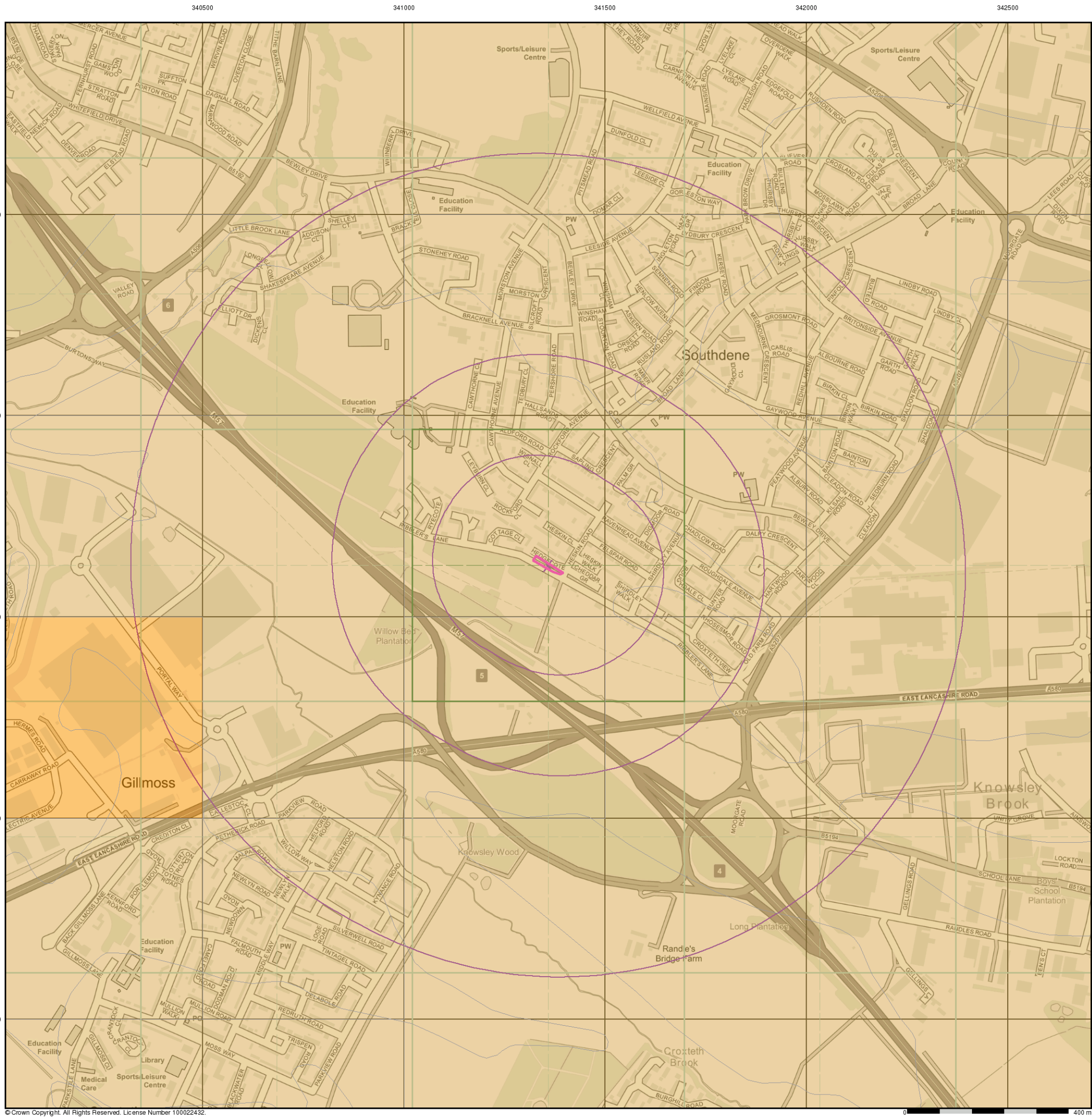
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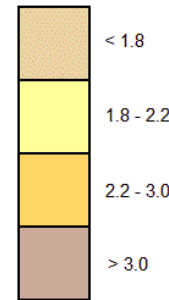


General

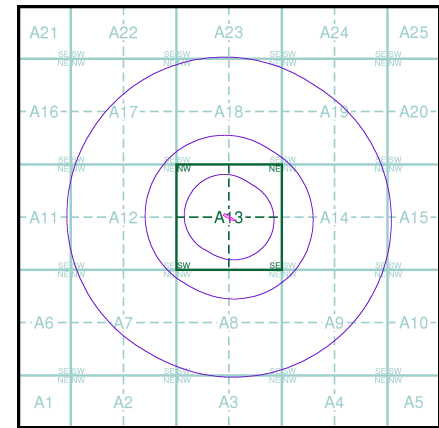
📍 Specified Site 📏 Specified Buffer(s) ✕ Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A

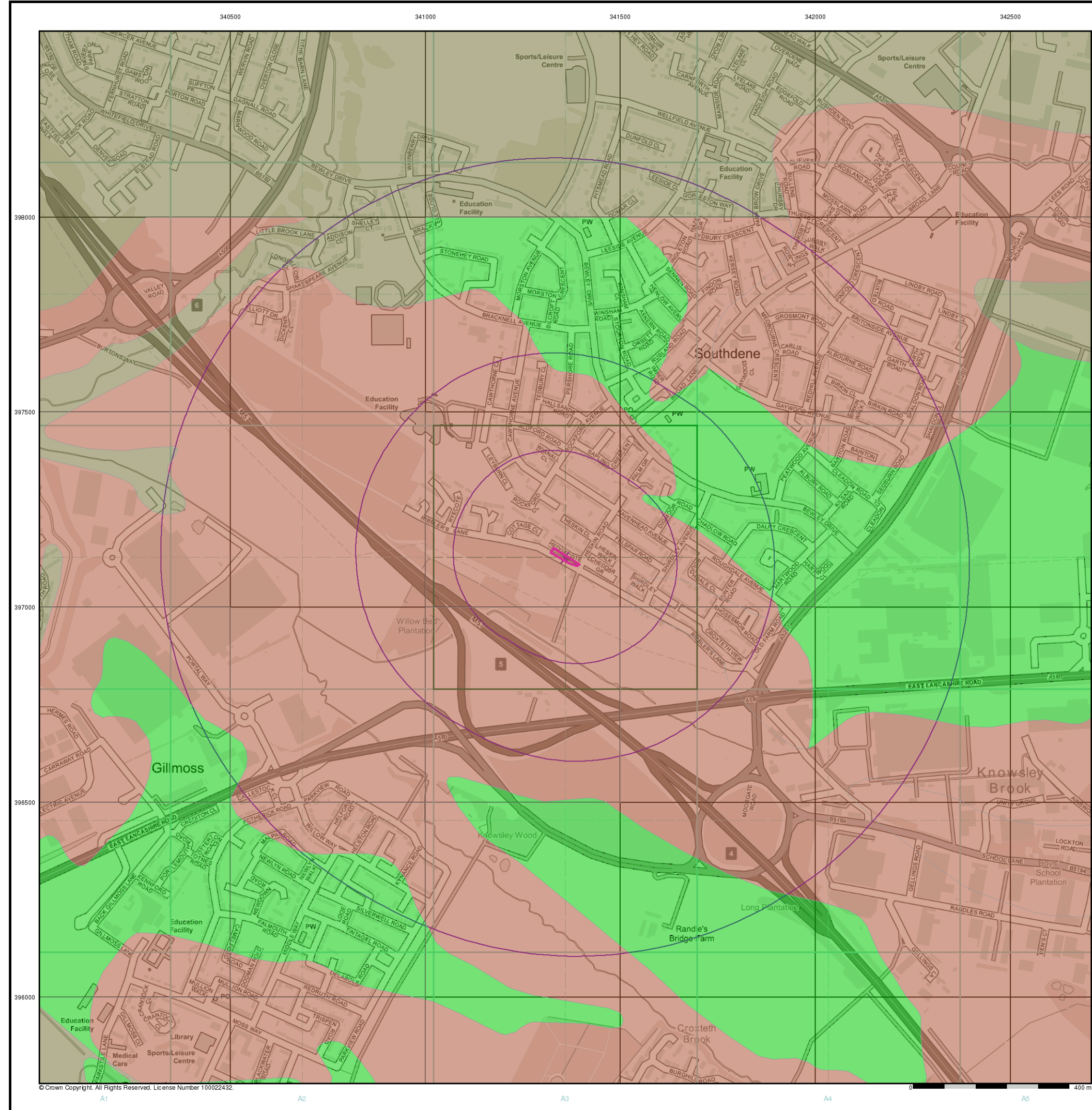


Order Details

Order Details: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

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General

📍 Specified Site 📏 Specified Buffer(s) ✕ Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

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

Estimated Soil Chemistry Chromium - Slice A

Order Details

Order Details:	307078815_1_1
Customer Ref:	23-2325
National Grid Reference:	341360, 397130
Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	1000

Site Details

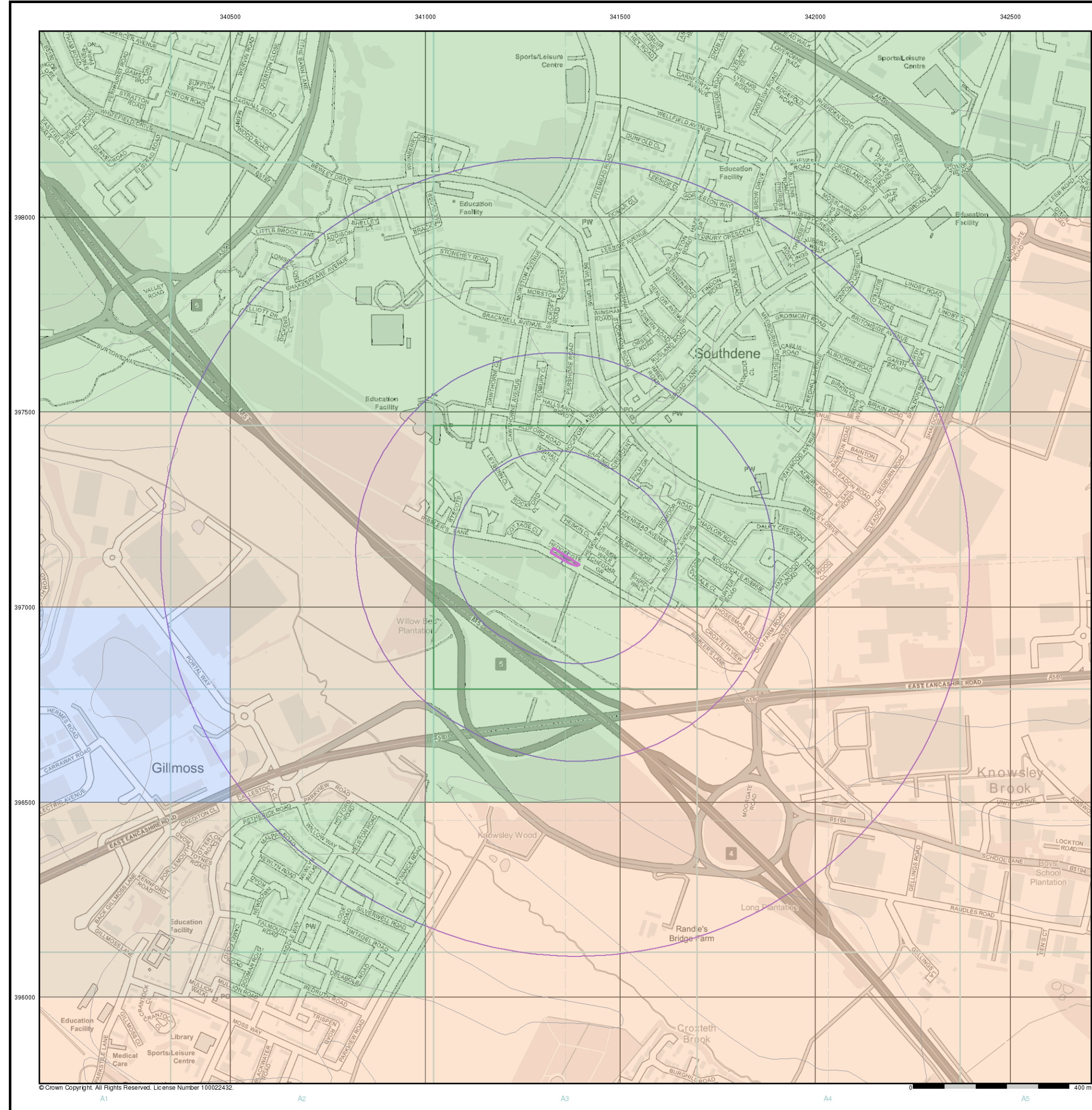
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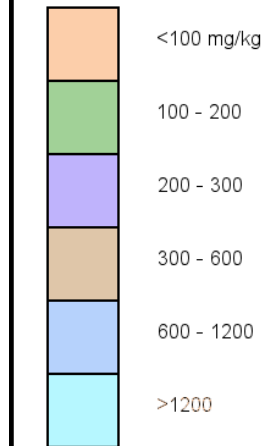
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General

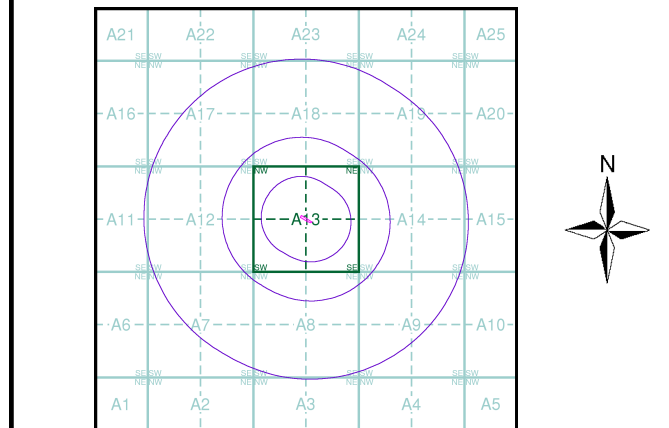
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

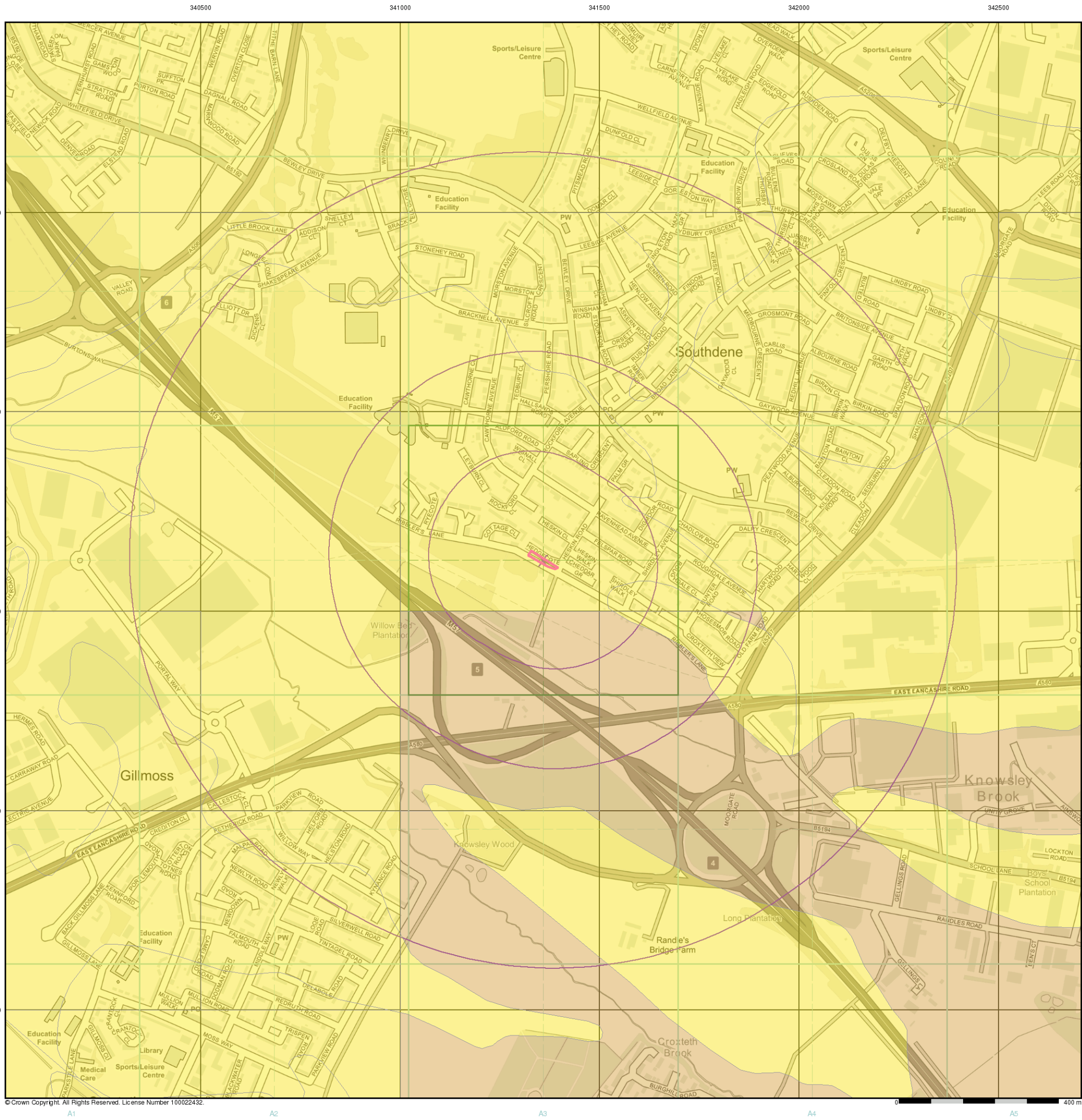
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Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

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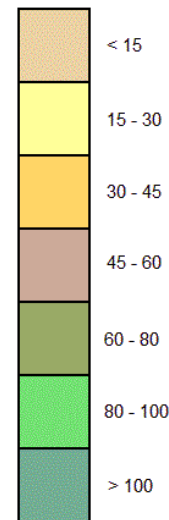


General

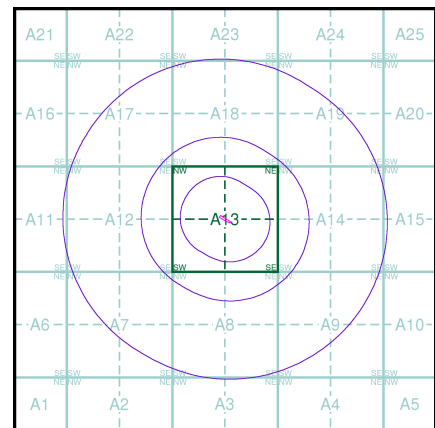
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

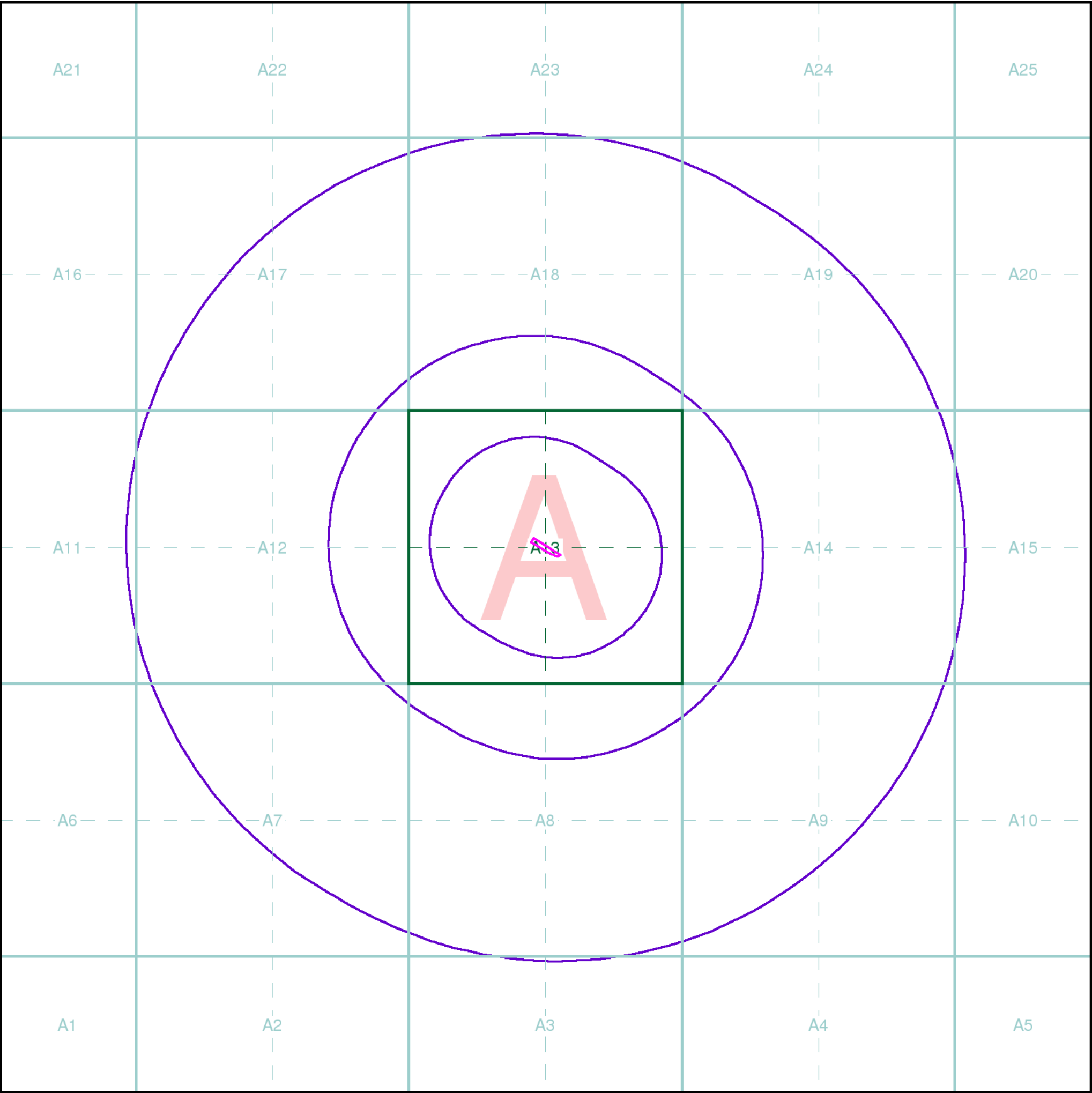


Order Details

Order Details: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

137, Ribblers Lane, LIVERPOOL, L32 7RA



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

Mr J Crook, Geo-Ventures (UK) Ltd, 7 Ellenor Drive, Astley, Manchester, Greater Manchester, M29 7NN

Order Details

Order Number: 307078815_1_1
Customer Ref: 23-2325
National Grid Reference: 341360, 397130
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

137, Ribblers Lane, LIVERPOOL, L32 7RA

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<http://www.landmarkinfo.co.uk/Terms/Show/515>

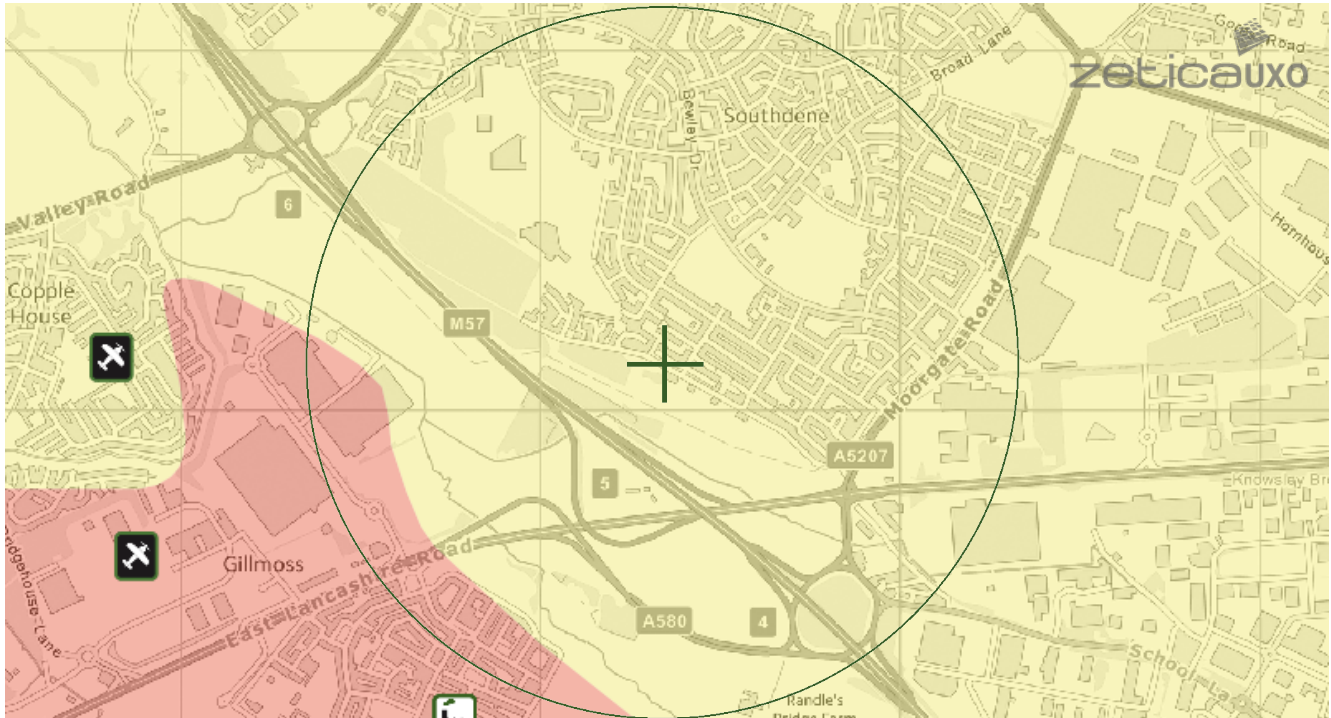
APPENDIX B UNEXPLODED BOMB RISK MAP

UNEXPLODED BOMB RISK MAP



SITE LOCATION

Map Centre: 341351,397134



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**
- transport**
- dock**
- Luftwaffe targets**
- utilities**
- Bombing decoy**
- other**

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

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

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

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

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

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

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

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

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

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

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

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

If I have any questions, who do I contact?

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

email: **uxo@zetica.com**

web: **www.zeticauxo.com**

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

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

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

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

APPENDIX C GENERAL REPORTING CONDITIONS

The sole purpose of this report and the associated services performed by SEP Technical is to undertake a Phase 1 Desk Study / Preliminary Risk Assessment for the site at Ribblers Lane, Kirkby in accordance with the scope of services set out in the agreement between SEP Technical and the Client.

In preparing this report, SEP Technical has relied upon, and presumed accurate, any information (or confirmation of the absence thereof) provided by the Client. Except as otherwise stated in the report, SEP Technical has not attempted to verify the accuracy or completeness of any such information. If the information is subsequently determined to be false, inaccurate or incomplete then it is possible that our observations and conclusions as expressed in this report may change.

The opinions contained within this report have been derived by the finite data on which they are based and are relevant only to the purpose for which the report was commissioned.

SEP Technical derived the data in this report from information sourced from the Client and available in the public domain at the time or times outlined in this report. The passage of time, manifestation of latent conditions or impacts of future events may require further examination of the risk assessment, findings, observations and conclusions expressed in this report. SEP Technical has prepared this report in accordance with the usual care and thoroughness of the consulting profession, for the sole purpose described above and by reference to applicable standards, guidelines, procedures and practices at the date of issue of this report. For the reasons outlined above, however, no other warranty or guarantee, whether expressed or implied, is made as to the assessment, observations and findings expressed in this report, to the extent permitted by law.

This report should be read in full and no excerpts are to be taken as representative of the findings. No responsibility is accepted by SEP Technical for use of any part of this report in any other context.

The report should not be considered to be exhaustive, and any opinions only relate to the purpose for which the report was commissioned.

It should be noted any risks identified in this Phase 1 Report are and must be regarded as perceived risks and based purely on the information reviewed, and it must also be noted that the actual risks at the site can only be assigned after the completion of the Phase 2 Intrusive Investigation report has been completed

This report has been prepared on behalf of, and for the exclusive use of the Client, and is subject to, and issued in accordance with, the provisions of the agreement between SEP Technical and the Client.

SEP Technical accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this report by any third party.

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