

HUMBERSIDE MATERIALS LABORATORY LIMITED

Atherton Way

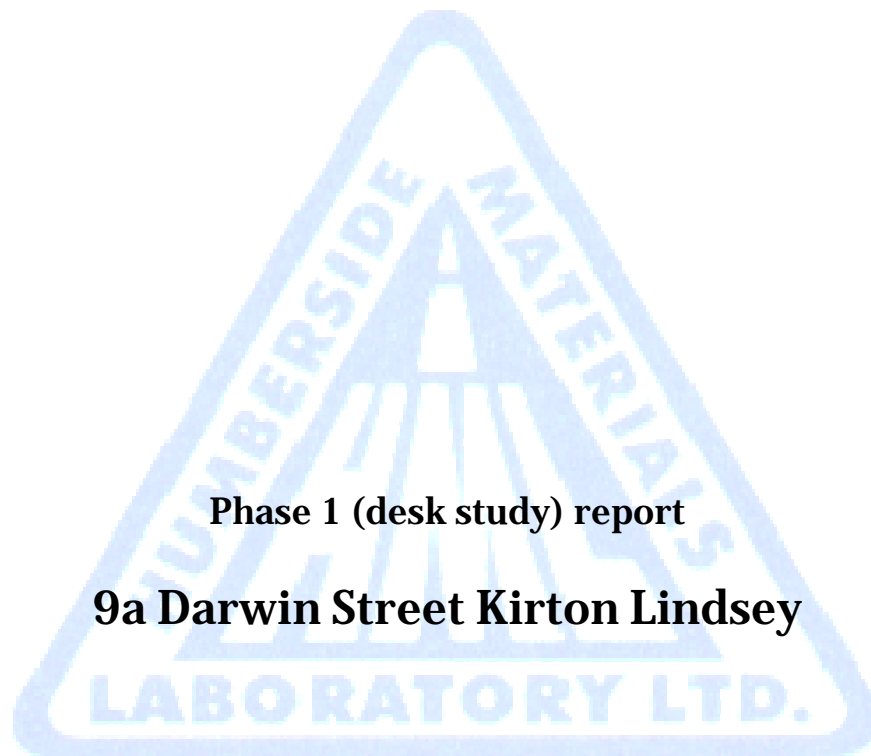
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Phase 1 (desk study) report

9a Darwin Street Kirton Lindsey

Client: Mr K McCabe

Date: January 2019

Report number: 1166/4758/P1/P

Revision A

Phase 1 report for (a Darwin Street Kirton Lindsey

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1 Introduction

The client, Mr K McCabe has engaged Humberside Materials Laboratory Limited (HML) to undertake a Phase 1 desktop study for a proposed development on 9a Darwin Street, Kirton in Lindsey in North Lincolnshire. The land will be hereinafter described as *the site*. The site currently has outline planning permission PA/2017/1410.

1.1 Aims

The aim of the investigation is to assess relevant geo-environmental aspects of the site in relation to the proposed development works. This includes an evaluation of likely ground conditions, potential land contamination and geotechnical engineering issues.

1.2 Scope

The scope of the investigation includes:

- a site walkover
- the collection and review of desk study information
- the production of an initial conceptual site model and preliminary risk assessment
- an assessment of engineering issues
- recommendations for further investigation works, where appropriate

Collected desk top information includes British Geological Survey (BGS) data and maps for the site and its locality. The collected information also includes an Envirocheck Report (Order Number: 191150112_1_1), obtained from Landmark Information Group, which includes historical maps and site data from a variety of sources, as shown later (in Appendices B and C).

1.3 Conditions and Limitations

This report is produced solely for Mr K McCabe and his consultants and should only be copied in full. When transmitted electronically, the definitive copy of the report is held by Humberside Materials Laboratory Ltd.

This report is prepared on the assumption that all facts have been disclosed.

The comments given in this report and the opinions expressed assume that conditions do not vary beyond the range revealed by this study and the information provided in the production of this report is complete and reliable.

2 Sources of Site Information

Various sources of information, as shown below (in Table 1), were reviewed to investigate and compile this desk study investigation.

Table 1: Sources of site information		
<i>Source description</i>	<i>Details</i>	<i>Date</i>
HML site walkover	Photos (in Appendix A) and notes	Nov 2018
Online maps and photos	www.google.co.uk , www.openstreetmap.org , www.promap.co.uk & www.streetmap.co.uk	Nov 2018
Envirocheck report	Environmental data, historical maps (Appendix B) (reference no.: 191150112_1_1)	Nov 2018
Local geological map	BGS 1:50000 series, Sheet 89, Brigg	1990
Online BGS data	www.bgs.ac.uk (map data & borehole records)	Nov 2018
Historic aerial photos	www.britainfromabove.org.uk	Nov 2018
Historical maps	www.oldmapsonline.org ; www.old-maps.co.uk	Nov 2018
Historical information	www.nationalarchives.gov.uk	Nov 2018

3 Site Description and Topography

3.1 Location and size

The site is situated on the north side of Kirton Lindsey. It occupies land known as 9a Darwin Street. The land is rectangular in shape with a total area of 0.06 Ha, it measures approximately 34m by 14m.

The site is centred around national grid reference (NGR) 493290 398800. The proposed site will be accessed from Darwin Street.

A site location plan and aerial photograph are included in Appendix A.

3.2 Site features

The site currently comprises land where building have been removed. Foundations and hardstanding still remain. Originally the site was operated by A Torn Construction, a building and civil engineering construction firm.

Views of the site are presented in appendix A.

3.3 Site topography

The site is in an area with a level of 35m above ordinance datum (OD). The land is relatively level but is differing to the adjacent land. To the east the land rises to 61m OD at the top of the scarp some 600m away. To the west the levels fall to 30m OD at a distance of 2.2km.

3.4 Surrounding land use

The site is on the northern side of the rural town of Kirton Lindsey. It is generally bounded by the following:

- **North:** Housing.
- **East:** Housing.
- **West:** Darwin Street and housing.
- **South:** Darwin Street and housing.

3.5 Local topography

The local topography is generally sloping east to west.

3.6 Visible evidence of contamination

There is no evidence of any significant contamination at the site. No staining or sheen was noted that might indicate a spillage (e.g. of oil). No unusual odours were identified. An above ground liquid storage e.g. (fuel or oil) is visible on Google street view map from 2009 at the rear of the previous building which was located at the front left of the site (south eastern section). There appears to be a jockey wheel on the storage tank which would suggest it to be a portable fuel tank for refuelling plant.

The site does contain a floor slab and foundations to the western boundary. Potentially there is the floor at the rear (northern) boundary. Also to the rear was a stockpile of soil type material from an unknown source. The middle section contains hardstanding predominantly old macadam.

3.7 Proposed development

It is proposed to develop the site by constructing a pair of semi-detached houses. Detail plans are included in appendix A.

Much of the site is expected to contain private gardens, predominantly to the northern side. It is assumed that the residential gardens may be used to cultivate homegrown produce for human consumption. Therefore, the contamination assessment of the site will predominantly be based on residential with home grown produce.

4 Site History

4.1 Historical timeline

The historical documents (i.e. maps and photos) from within the Envirocheck report have been reviewed with respect to the proposed works. Features considered to be potentially relevant are detailed below (in Table 2).

Table 2: Historical map features		
<i>Date</i>	<i>Within site boundary</i>	<i>Outside of site boundary</i>
1887	The site contains a pump with trees to the rear. Open land.	Sparse housing and open land with trees.
1906	A small structure to the front western boundary. Water well is adjacent.	No significant changes
1938	No significant changes	No significant changes
1956	No significant changes	No significant changes
1972	Water well no longer shown. Rear section still open land and small residential structure to the front west.	No significant changes
1978	No significant changes	No significant changes
1987	No significant changes	No significant changes other than residential development in the area.
1994	No significant changes	No significant changes
1995	Additional building at rear (northern boundary)	Further residential development in the area.
2006	No significant changes	No significant changes
2018	No significant changes. Site depicted as a ruin.	No significant changes
2019	Building removed.	No significant changes

4.2 Historical summary

The site has been open land with some trees originally. Later it was associated with probably a house. Eventually the site was fenced off and became a small depot for a building and civil engineering contractor. It would appear that two areas of building on the northern and western side were removed circa 2018. The floors and hardstanding remain. Various photographs are shown in recent years demonstrating the occupancy. Currently there is a mound of soil to the rear of unknown origin.

5 Geology, Hydrogeology and Hydrology

5.1 Geology

5.1.1 Madeground

Some madeground is anticipated, this being concrete floor slabs, hardstanding and aggregates below.

5.1.2 Drift deposits

No drift deposits are anticipated, however weathered bedrock of sand and clay maybe present.

5.1.3 Solid geology

Solid geology below the site comprises of Charmouth mudstone, a sedimentary bedrock. This extends to the west. Adjacent to the site to the east is Marlstone, which is a ferruginous limestone/sandstone.

5.1.4 Mining and quarrying

A ceased operational opencast *BGS mineral site* is 902m east of the site.

Mining is not expected to affect the site. According to the Coal Authority, the site is in an area that might not be affected by coal mining. With respect to non-coal mining activity, a designation of rare is given for 156m east of the site. There are no man-made mining or natural cavities anticipated in the area

5.1.5 Geological hazards

Geological hazards are minimal, as reported by the British Geological Survey (BGS) as shown below (in Table 3).

Table 3: Geological hazards	
<i>Hazard</i>	<i>Hazard potential</i>
Collapsible ground stability	Very low
Compressible ground stability	No hazard
Ground dissolution stability	No hazard
Landslide ground stability	Very low
Running sand ground stability	No hazard
Shrinking & swelling clay	No hazard to Low

5.2 Hydrogeology

The nearest reported (not revoked) **water abstraction** lies over 1.2km southeast of the site, this relates to both groundwater extraction. Surface extractions start at 1.6km.

In terms of **groundwater vulnerability**, the site is not classified. Drift deposits are none.

The **bedrock aquifer** designation beneath the site is a principal aquifer Undifferentiated and A. No superficial aquifer designation is given.

The site is within a **source protection zone II and III**.

5.3 Hydrology

The nearest surface water feature is 253m south of the site. Water network data is contained in the map in appendix C. These occur from 253m.

5.4 Anticipated geology

Based on the reviewed desk top information, the anticipated ground conditions are as shown below (in Table 4).

<i>Strata</i>	<i>Description</i>	<i>Anticipated thickness (m)</i>
Concrete and macadam	Floor slabs and hardstanding	
Madeground	Unknown below the concrete slabs	
Mudstone	Charnmouth	

6 Environmental Data

6.1 Pollution and pollution control

There are no recorded *contaminated land entries and notices* within at least 1km of the site.

The nearest (wastewater effluent) *discharge consent* still current is reported to be 410m southwest of the site. Further discharge consents exceed this distance and are detailed in appendix C.

There are no *prosecutions relating to controlled waters* within 1km of the site. Similarly, there are no *enforcement and prohibition notices*.

In relation to (integrated) pollution prevention and control, there are no *IPCs, IPPCs or local authority IPPCs or pollution prevention and controls (or control enforcements)* within 500m of the site.

There was a pollution incident to controlled waters, 692m north of the site. This was a category 3 minor incident involving organic waste, vegetable washings in 1996. Other more distant incidents are recorded in appendix C.

There are no reported *prosecutions relating to authorised processes* within at least 1km of the site.

There are no reported *radioactive substances* registered within 1km of the site.

River quality data 725m from the site is quality B.

There are no reported *substantiated pollution incidents register entries* in the area.

There are no reported *water industry act referrals* noted within 1km of the site.

With respect to hazardous substances, there are no reported *COMAH* or *NIHHS* sites within 1km of the site.

6.2 Flooding

According to the BGS, there is no potential at the site for *flooding to occur above or below ground level*.

The site is not identified to be at risk from *flooding* or *extreme flooding from rivers or seas without defences*.

6.3 Waste

There is a historical landfill sites 869m east of the site, known as Redbourne Mere.

There are two waste management facilities, one 610m east and one 904m east. The first is a metal recycling centre. The other is a household waste transfer site.

There are three identified ***potentially infilled land*** (non-water) in the area. These are 928m east, 965m east and 990m north. There are no infilled land (water) sites in the area.

There are no reported ***waste transfer sites*** or ***registered waste treatment or disposal sites*** within 500m of the site.

6.4 Soil chemistry

Estimated soil chemistry data from the BGS indicates element concentrations for rural soil around the site, as shown below (in Table 5). The higher values are to the east side of the site.

Table 5: BGS Estimated Soil Chemistry (rural soil)	
<i>Contaminant</i>	<i>Concentration (mm/kg)</i>
Arsenic	15-35
Cadmium	<1.8
Chromium	60-120
Lead	<100
Nickel	15-30

6.5 Radon

With respect to ***radon potential***, the site is in a Lower probability area with less than 1% of homes above the action level. No radon protection measures are therefore necessary for new homes.

6.6 Industrial land use

There is an obsolete ***fuel station*** 726m southeast of the site.

The ***contemporary trade directory entry*** that are reported as current are not within 300m of the site. The nearest is Knights radio communications equipment 421m east. There is a cemetery 136m south west.

6.7 Sensitive land use

The site is within a nitrate sensitive area for surface. Otherwise, no *sensitive land use* has been identified within 500m of the site.

7 Initial Contaminated Land Assessment

7.1 Assessment principles

Current legislation and best practice, such as Part IIA of the Environmental Protection Act and CLR 11 (EA/Defra, 2004), recommend that potentially contaminated land is managed using a risk-based approach. Model procedures to assess the risks from contaminated land involve the development of a conceptual site model (CSM) and the identification of relevant contamination linkages.

A contamination linkage comprises a *source* (i.e. a contaminant capable of causing pollution or harm), a *receptor* and a viable *pathway* by which one can be transmitted to the other. If one of these three elements are missing, there is no significant risk.

Any risk from potential contamination can be assessed as a product of the severity of the consequences that might arise from of the contamination hazard and the probability of the hazard occurring, as outlined in CIRIA C552 (Rudland et al., 2001). The definitions used to perform the risk assessment for the subject site are shown below (in Tables 6 and 9).

Classification	Category/Definition			
	Human	Controlled waters	Property	Eco system
Severe	Short term acute risk	Short term risk	Catastrophic damage	Short term risk
Medium	Chronic damage	Pollution to sensitive water resources		Significant change
Mild		Pollution to non-sensitive water resources	Significant damage	Significant damage
Minor	Non-permanent health effects		Repairable damage	

Classification	Definition
Highly likely	There is a pollution linkage and an event that appears very likely in the short term and or almost inevitable over a long term, or evidence at the receptor of harm or pollution
Likely	There is a pollution linkage and all elements are present which means that it is probable that an event will occur.
Low likelihood	There is a pollution linkage and circumstances are possible under which an event will occur. However, it is not certain that even over a long period such an event would occur and is less likely in the short term.
Unlikely	There is a pollution linkage, but circumstances are such that it is improbable that an event would occur even in the long term.

A matrix can be used to determine a suitable risk classification, as shown below (in Table 8). The largest risks are where the severity of the contaminant is great and the probability of the contaminant linkage occurring is highly likely. The definitions of the different classifications used in this assessment, based on CIRIA C552 (Rudland *et al.*, 2001), are also shown below (in Table 9).

		Consequence			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Medium	Medium/low
	Likely	High	Medium	Medium/low	Low
	Low likelihood	Medium	Medium/low	Low	Very low
	Unlikely	Medium/low	Low	Very low	Very low

Classification	Definition
Very High	There is a high probability that severe harm could arise to a designated receptor from an identified hazard or there is evidence that severe harm to a designated receptor is currently occurring. This risk if realised is likely to result in a substantial liability. Investigation and or remediation is required.
High	Harm is likely to a designated receptor from an identified hazard or there is evidence that severe harm to a designated receptor is currently occurring. This risk if realised is likely to result in a substantial liability. Investigation and or remediation may be necessary in the short term and likely over the long term.
Medium	It is possible that harm could arise to a designated receptor from the identified hazard. However, it is relatively unlikely that such a hazard would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation is normally required to clarify and determine the potential risk. Some remedial works may be required in the long term.
Low	It is possible that harm could arise to a designated receptor from the hazard identified but is likely that this hazard if realised would at worst normally be mild.
Very low	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe

7.2 Potential contamination linkages

7.2.1 Sources of contamination

Naturally occurring metals are anticipated to be below assessment criteria.

Commercial historic land use has been identified. This in recent times relates to Building and civil engineering construction. Prior to this there are no identified uses but may have had some unknown building partly on the site. With an engineering construction company the main works were undertaken off site, however there may have been the storage of construction materials and plant.

Based on this there is potential for contamination to have occurred. Contaminants of concern considered are as follows. In addition there is potential for known madeground below the concrete slabs and hardstanding.

- Metals – general contamination and madeground. Unknown storage from above ground tank.
- PAH – general contamination and madeground.
- TPH – Spills and leakage from plant and refuelling. Unknown storage from above ground tank.
- Asbestos – fabric and insulation within structures.
- Stockpile at rear of site may contain above contaminants from an unknown source.

Ground gases are not considered as no landfill site has been identified in the area and madeground is not expected to be of a significant thickness.

7.2.2 Pathways

There are many potential pathways to receptors. For the proposed site, these may include:

- Inhalation (i.e. indoor or outdoor dust or vapour)
- Ingestion (i.e. swallowing soil, dust, homegrown produce consumption or water polluted within service pipes)
- Absorption (i.e. dermal contact with soil)
- Migration (i.e. vertical/lateral movement through soil, rock, groundwater, building materials, voids and along services, including potable water supply pipes).

7.2.3 Receptors

Receptors comprise those material items or living beings that may be impacted by contaminants. For the site, these may include:

- human site users (i.e. future occupants and construction workers), this includes domestic usage.
- controlled waters (i.e. groundwater and surface water features),
- building materials and services (e.g. clean water pipework and buried concrete)
- ecological systems (e.g. local wildlife)
- adjacent site users (e.g. humans, ecological systems).

7.3 Initial conceptual site model (CSM)

As discussed above, potential sources have been identified relating to the site's history. The *potentially* relevant contamination linkages (RCLs) for the proposed development are shown below in table 10. Potential RCLs are those linkages that might possibly pose more than a *low* or *very low* risk rating.

7.4 Preliminary risk assessment (PRA)

As discussed, the risk associated with potentially relevant contamination linkages can be assessed as a product of the severity of the potential consequence and the probability of the associated hazard occurring, as outlined in CIRIA C522 (Rudland et al., 2001). On this basis, a preliminary risk assessment of potential contamination linkages (resulting from the above initial conceptual site model) is presented below (in Table 10).

Table 10: Conceptual site model and Preliminary risk assessment						
Potential source	Potential pathway	Potential receptor	Probability	Severity	Risk rating	Comments
Metals and PAH – general contamination	inhalation, ingestion, absorption	Future occupants	Low likelihood	Mild	Low	Unknown above ground tank.
	Inhalation, ingestion, absorption	Construction workers	Unlikely	Minor	Very low	Hardstanding will afford some protection
	Aggressive attack	Building materials	Unlikely	Minor	Very low	
	Migration	Bedrock aquifer	Unlikely	Minor	Very low	
	Migration	Surface waters	Unlikely	Minor	Very low	
Asbestos from the previous building	Inhalation	Future occupants and construction workers	likely	medium	medium	
TPH	inhalation, ingestion, absorption	Future occupants	Low likelihood	Mild	Low	Area of spills and leakage from plant. Unknown above ground tank – minimal usage plus minimal due to hardstanding
	Inhalation, ingestion, absorption	Construction workers	Unlikely	Minor	Very low	
	Aggressive attack	Building materials	Likely	Mild	Medium / low	
	Migration	Bedrock aquifer	Unlikely	Minor	Very low	
	Migration	Surface waters	Unlikely	Minor	Very low	

Risk ratings of **very low** or **low** are not considered significant while ratings of **medium** / **low** (or above) are deemed potentially hazardous and the associated source-pathway-receptor is taken to be a relevant contamination linkage (RCL) and in need of further consideration.

7.5 Ground gas assessment

No nearby landfill has been identified. There is no identified madeground and organic soils are not suspected. Therefore, using the pragmatic approach to ground gases no gases are anticipated.

7.6 Summary of contamination assessment

Accordingly, the above preliminary risk assessment indicates that there are potentially significant risks associated with potential sources of metals, TPH, asbestos and PAH present on site. That is, there are potentially relevant contamination linkages as a source is present with pathways to receptors.

7.7 Further investigation objectives

Based on the site conceptual model, an investigation is recommended to identify potential sources of general contaminants.

It is proposed to construct a pair of semi-detached houses that will have a soft landscape front garden. A rear garden will be incorporated that could potentially yield home produce.

A site plan has been presented in appendix A which indicates the positions of the houses. Therefore, four boreholes should be undertaken, one in each of the garden areas. A sample should also be taken from the stockpile at the rear of the site. A proposed borehole location plan is provided within appendix A.

Testing from the garden areas will be initially be on samples from 0.1m to 0.4m below the existing solid surfacing (concrete and macadam layers). Other samples will be taken from greater depths. Visual and olfactory evidence will be considered during the investigation to amend the ethos of the investigation. A composite sample will be taken from the stockpile.

The following tests will be undertaken.

BH No / Sample No	Sample depth	Metals	PAH	TPH	Asbestos
1	0.1-0.4*	ü	ü	ü	ü
2	0.1-0.4*	ü	ü	ü	ü
3	0.1-0.4*	ü	ü	ü	ü

4	0.1-0.4*	ü	ü		ü
Stockpile 1	n/a	ü	ü		ü
*below existing solid surfacing (concrete and macadam layers)					

8 Conclusion and recommendations

8.1 Anticipated ground conditions

The anticipated ground conditions indicate the following general sequence of sub-strata at the site (in descending order).

- Concrete / Macadam
- Madeground
- Mudstone

8.2 Engineering issues

8.2.1 Foundations

The anticipated underlying strata may be suitable, depending on the strengths, to provide sufficient bearing resistance such that traditional strip, trench or pad foundations could be suitable for the proposed development.

All foundations should be designed by a competent engineer with consideration to all factors and the information within the reports and subject to confirming testing from an intrusive investigation.

8.2.2 Radon gas

Desk study information indicates that the site is not in an area affected by radon. Therefore, no radon protection measures are required.

8.3 Contamination

The site has been assessed based on various desk study information, including historical maps and environmental data obtained. The site and area history, a walkover survey and other environmental information has been considered to provide a robust initial site conceptual model.

Contaminants of concern have been identified.

It is recommended that an intrusive investigation for contamination is required.

8.4 Investigation proposals

Based on the site conceptual model, an investigation is recommended to identify potential sources of general contaminants.

It is proposed to construct a pair of semi-detached houses that will have a soft landscape front garden. Garden areas will be incorporated that could potentially yield home produce.

A site plan has been presented in appendix A which indicates the positions of the houses. Therefore four boreholes should be undertaken, one in each of the garden areas. A sample should also be taken from the stockpile at the rear of the site.

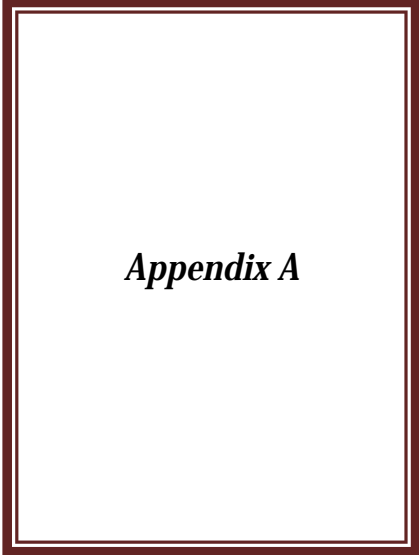
Testing from the garden areas will be initially be on samples from 0.1m to 0.4m below the existing solid surfacing (concrete and macadam layers). Contaminants of concern include metals, PAH, TPH and asbestos. Other samples will be taken from greater depths. Visual and olfactory evidence will be considered during the investigation to amend the ethos of the investigation. A composite sample will be taken from the stockpile.

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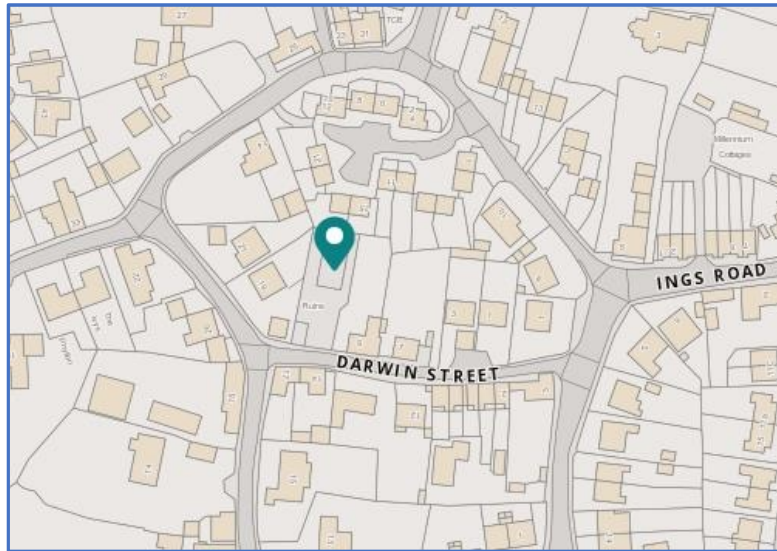
9 References

Appendix H C4SLs for lead

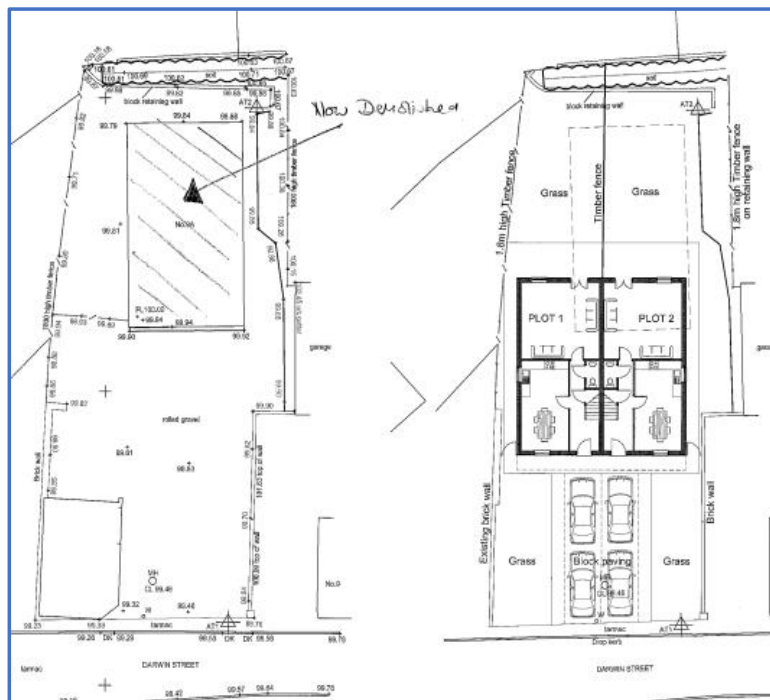
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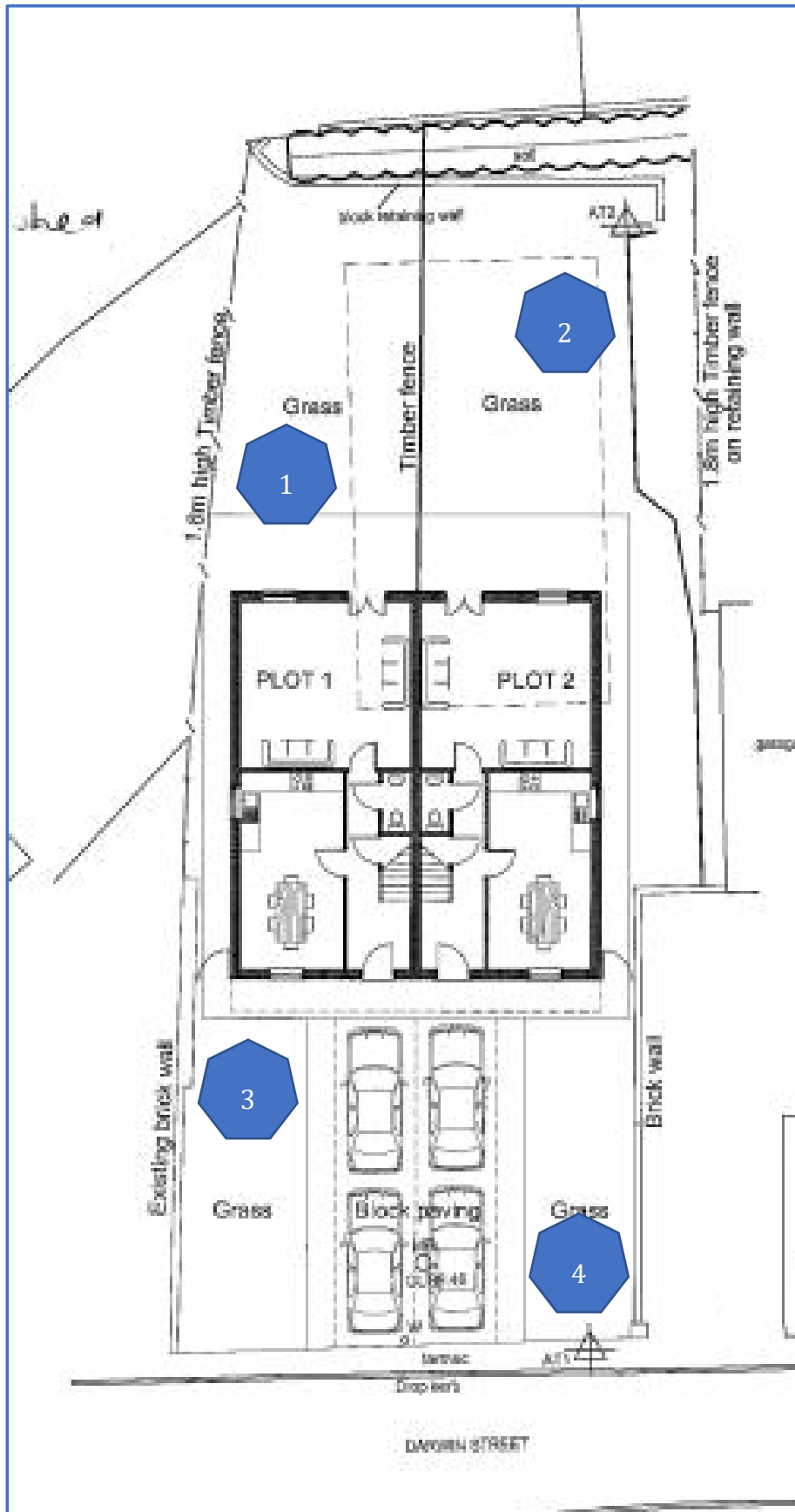
Appendix A



Location



Current and proposed layout



Proposed borehole location plan



Ariel view



2009 historic view



2009 historic view – above ground tank



View from entrance



Slab to the LHS of entrance



Hardstanding middle of site



Stockpile at rear of site



Appendix B

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit, **Sand Pit**, **Other Pits**
Quarry, **Shingle**, **Orchard**
Osiers, **Reeds**, **Marsh**
Mixed Wood, **Deciduous**, **Brushwood**
Fir, **Furze**, **Rough Pasture**
Arrow denotes flow of water, **Trigonometrical Station**
Site of Antiquities, **Bench Mark**
Pump, Guide Post, Signal Post, **Well, Spring, Boundary Post**
-285 Surface Level
Sketched Contour, **Instrumental Contour**
Main Roads (Fenced, Un-Fenced), **Minor Roacs** (Fenced, Un-Fenced)
Sunken Road, **Raised Road**
Road over Railway, **Railway over River**
Railway over Road, **Level Crossing**
Road over River or Canal, **Road over Stream**
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
Co. Boro. Bdy.
County Burgh Boundary (Scotland)
Co. Burgh Bdy.
R.D. Bdy.
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**, **Coppice**
Bracken, **Heath**, **Rough Grassland**
Marsh, **Reeds**, **Saltings**
Building, **Glasshouse**
Sloping Masorry, **Electricity Transmission Line**
Cutting, **Embankment**
Standard Gauge Multiple Track
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Civil Parish
BP, BS Boundary Post or Stone, **Pol Sta** Police Station
Ch Church, **PO** Post Office
CH Club House, **PC** Public Convenience
F E Sta Fire Engine Station, **PH** Public House
FB Foot Bridge, **SB** Signal Box
Fn Fountain, **Spr** Spring
GP Guide Post, **TCB** Telephone Call Box
MP Mile Post, **TCP** Telephone Call Post
MS Mile Stone, **W** Well

1:10,000 Raster Mapping

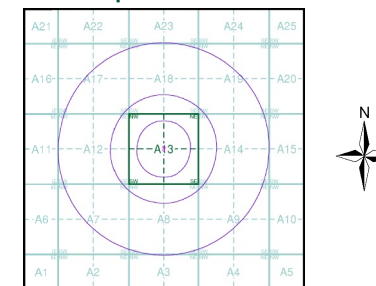
Gravel Pit, **Refuse tip or slag heap**
Rock, **Rock (scattered)**
Boulders, **Boulders (scattered)**
Shingle, **Mud**
Sand, **Sand Pit**
Slopes, **Top of cliff**
General detail, **Underground detail**
Overhead detail, **Narrow gauge railway**
Multi-track railway, **Single track railway**
County boundary (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**
MHW(S) Mean high water (springs), **MLW(S)** Mean low water (springs)
Telephone line (where shown), **Electricity transmission line (with poles)**
Bench mark (where shown), **Triangulation station**
Point feature (e.g. Guide Post or Mile Stone), **Pylon, flare stack or lighting tower**
Site of (antiquity), **Glasshouse**
General Building, **Important Building**



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1886	2
Lincolnshire	1:10,560	1907	3
Lincolnshire	1:10,560	1907	4
Lincolnshire	1:10,560	1938 - 1948	5
Lincolnshire	1:10,560	1950	6
Ordnance Survey Plan	1:10,000	1956	7
Ordnance Survey Plan	1:10,000	1976	8
Ordnance Survey Plan	1:10,000	1980	9
10K Raster Mapping	1:10,000	2000	10
10K Raster Mapping	1:10,000	2006	11
VectorMap Local	1:10,000	2018	12

Historical Map - Slice A



Order Details

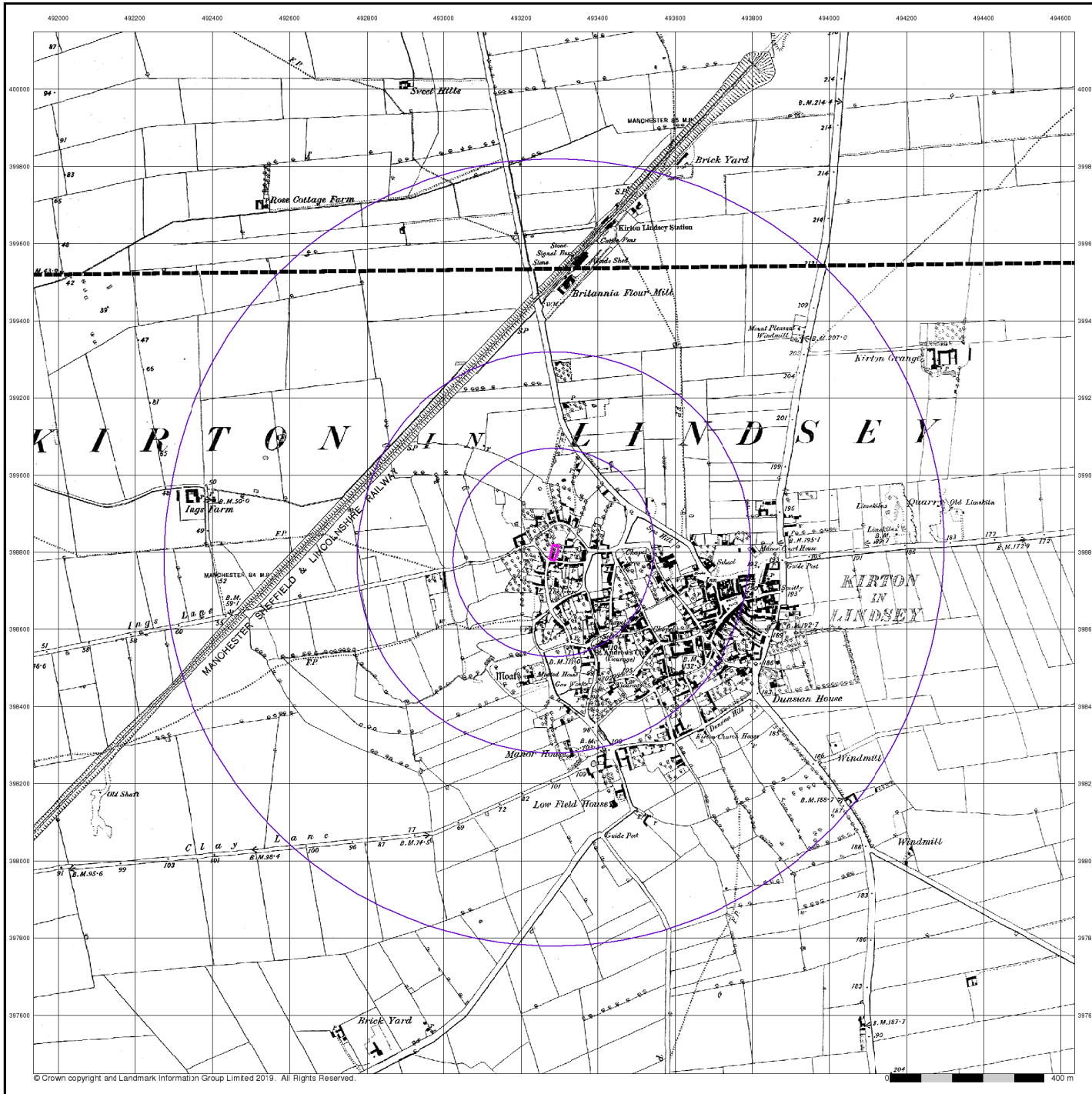
Order Number: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

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Landmark
 INFORMATION GROUP

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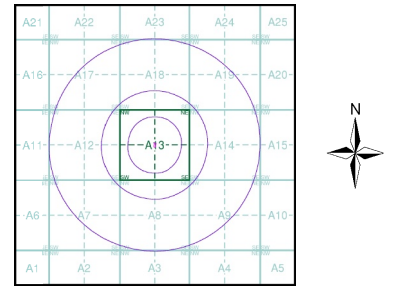
Lincolnshire
Published 1886
Source map scale - 1:10,560

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)

027SW	1886	1:10,560
036NW	1886	1:10,560

Historical Map - Slice A

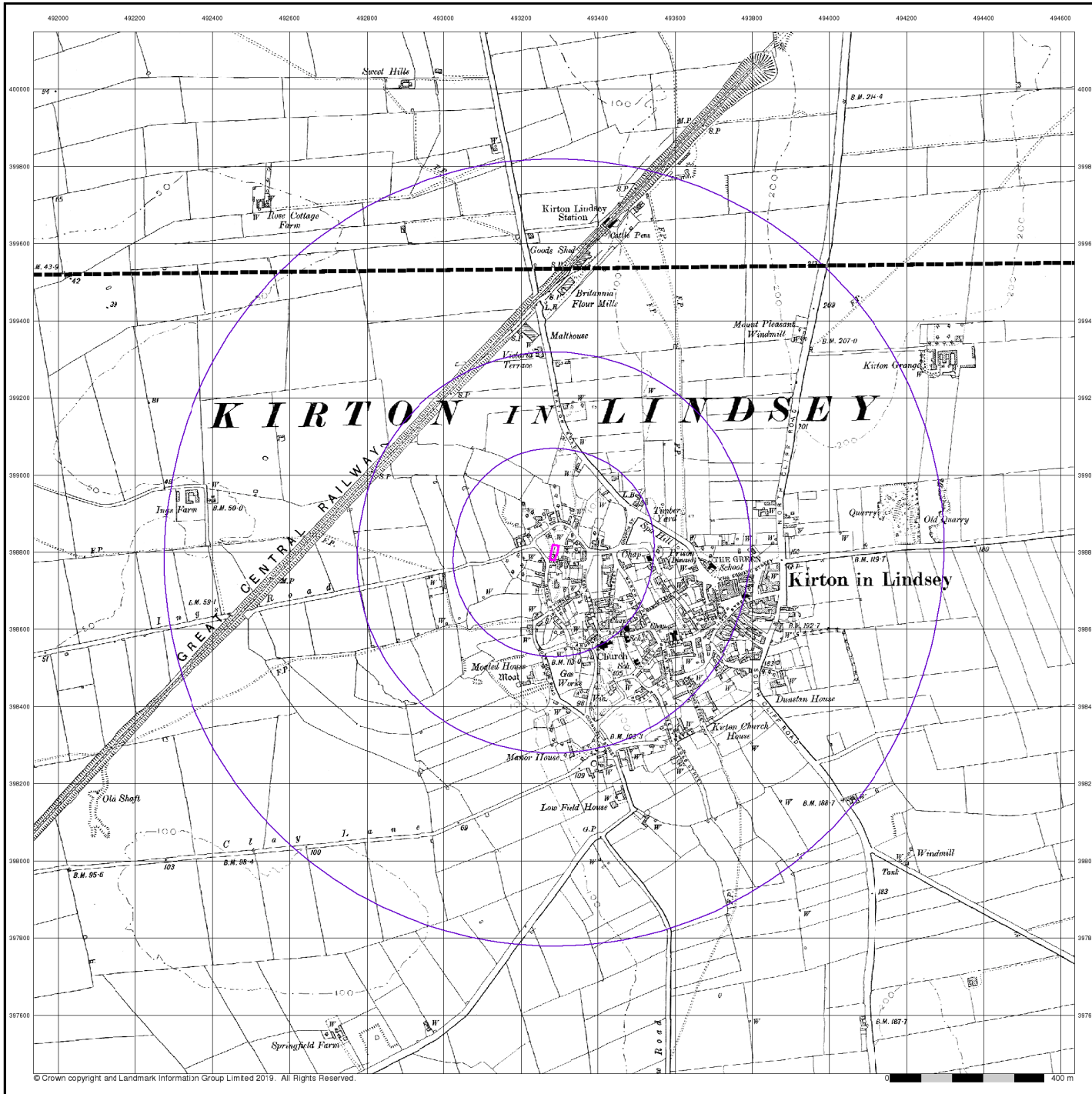


Order Details

Order Number: 19115112_1_1
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 Search Buffer (m): 1000

Site Details

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Lincolnshire
Published 1907

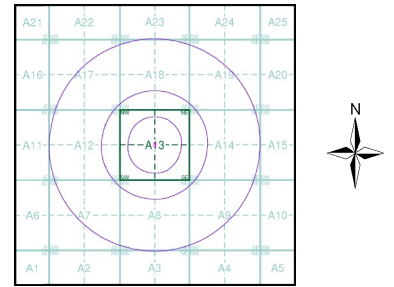
Source map scale - 1:10,560

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)

027SW	1907	1:10,560
036NW	1907	1:10,560

Historical Map - Slice A



Order Details

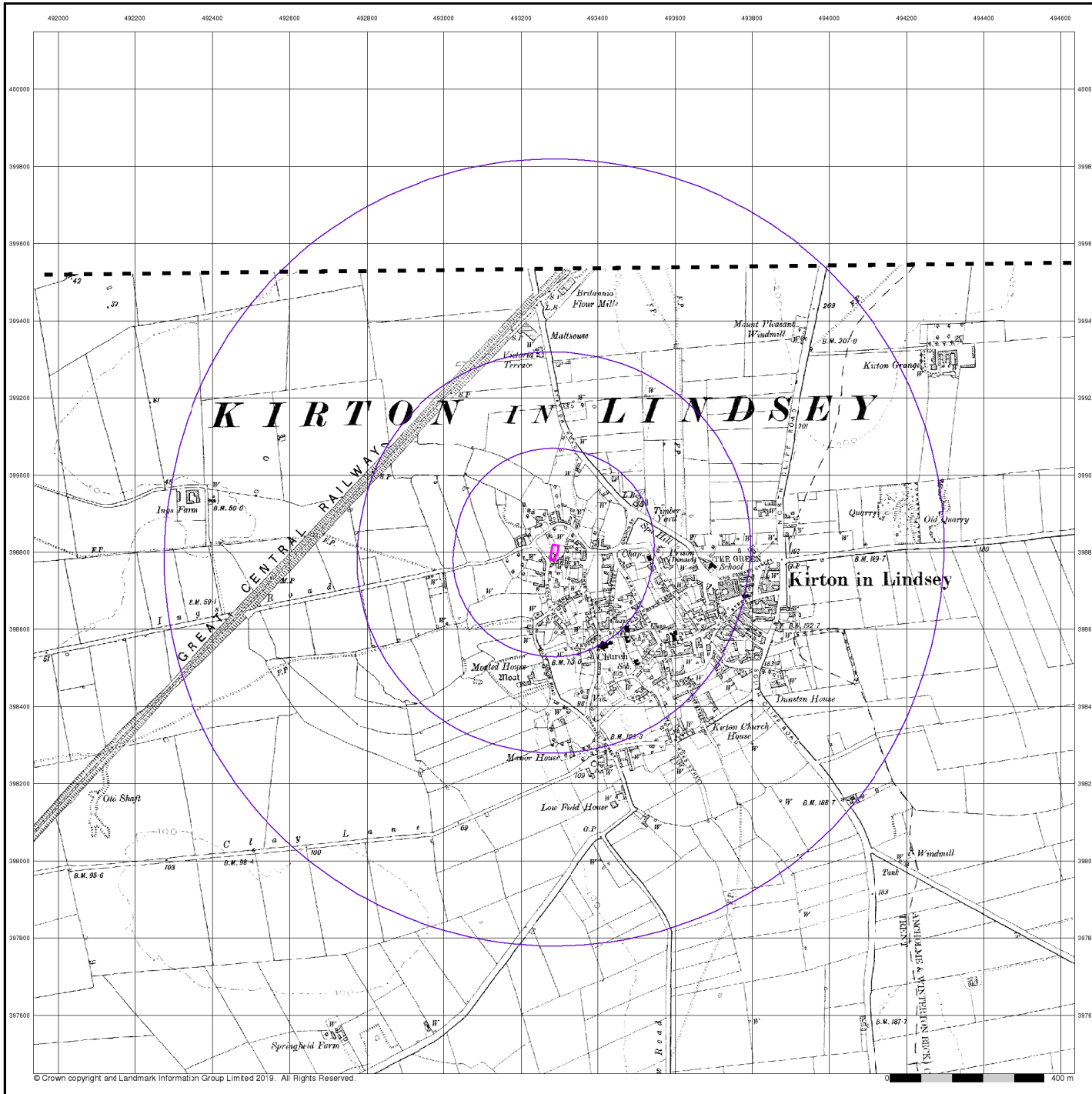
Order Number: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

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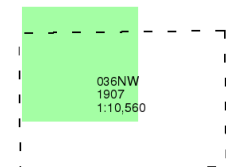


Lincolnshire
Published 1907

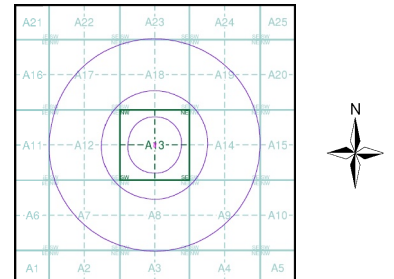
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
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Lincolnshire

Published 1938 - 1948

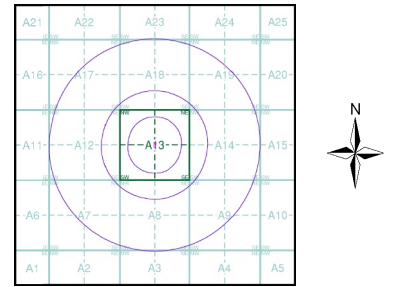
Source map scale - 1:10,560

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)

027SW	1948	1:10,560
036NW	1938	1:10,560

Historical Map - Slice A



Order Details

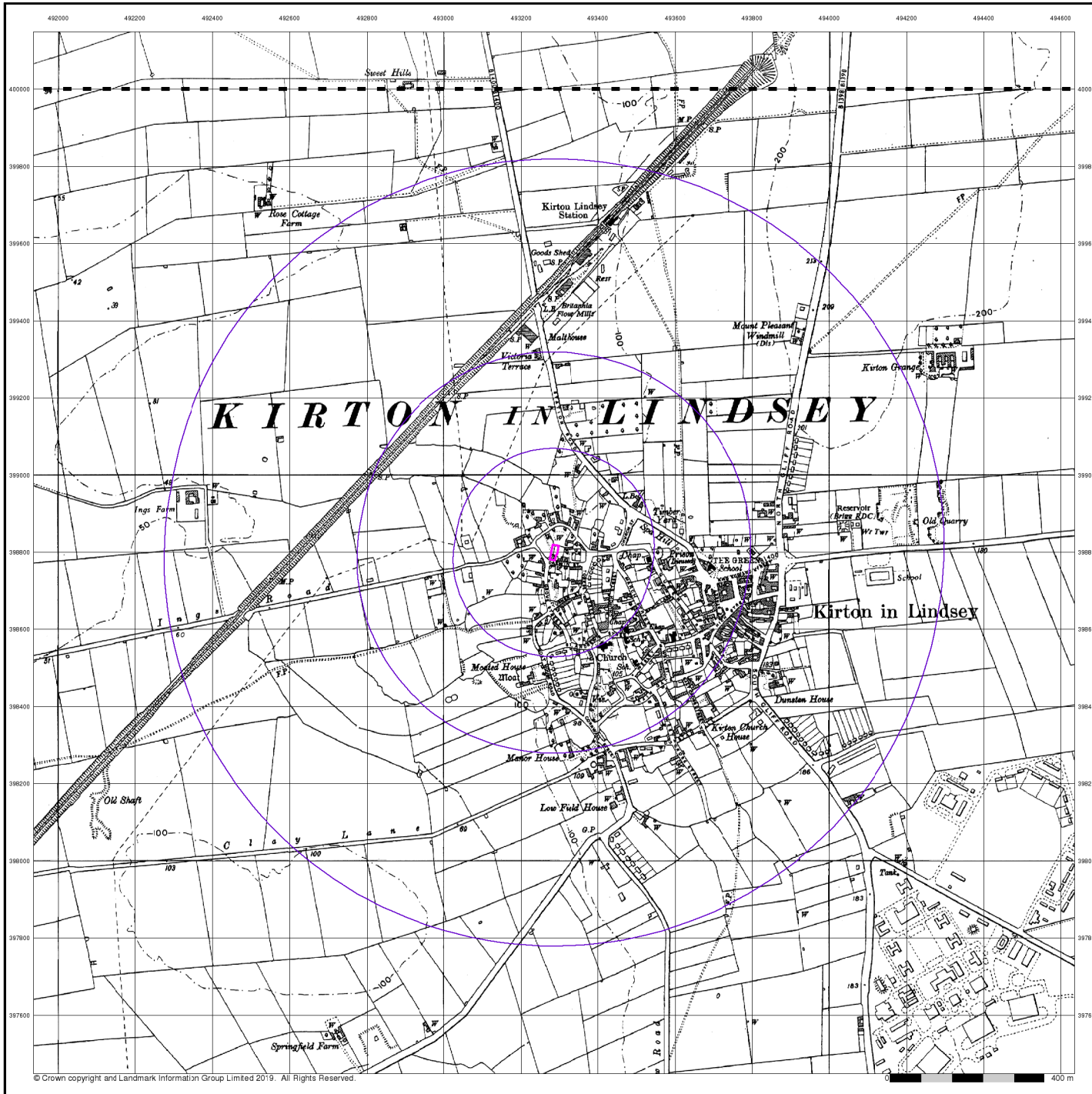
Order Number: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

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**Ordnance Survey Plan
Published 1956**

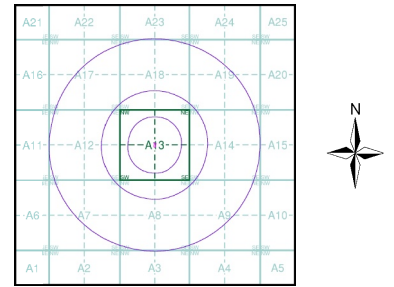
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SE90SW	1956	1:10,560
SK99NW	1956	1:10,560

Historical Map - Slice A

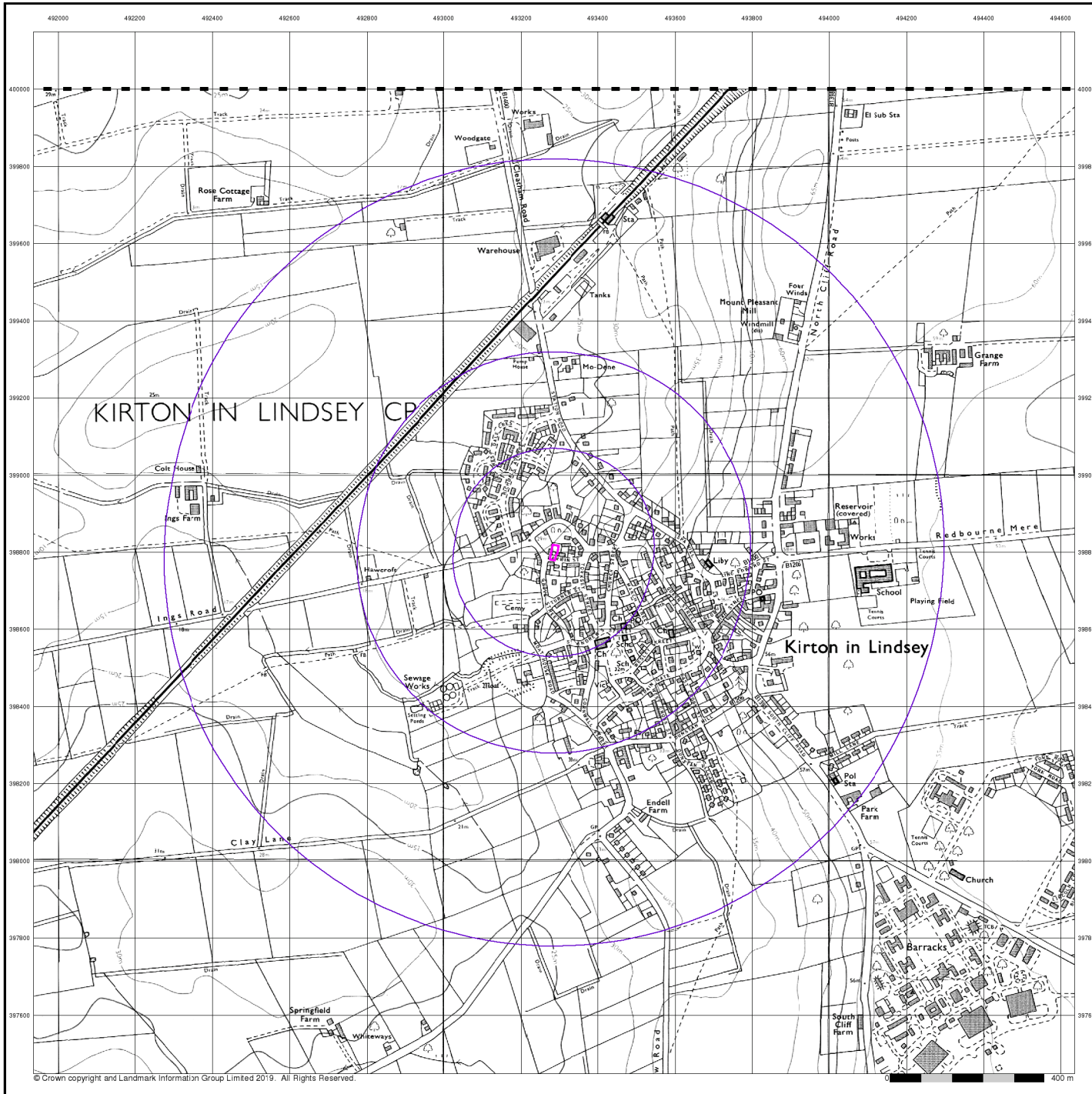


Order Details

Order Number: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

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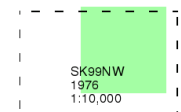


**Ordnance Survey Plan
Published 1976**

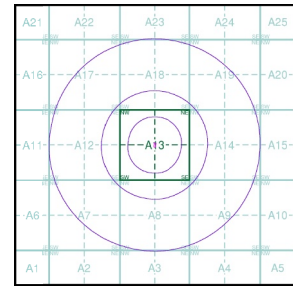
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

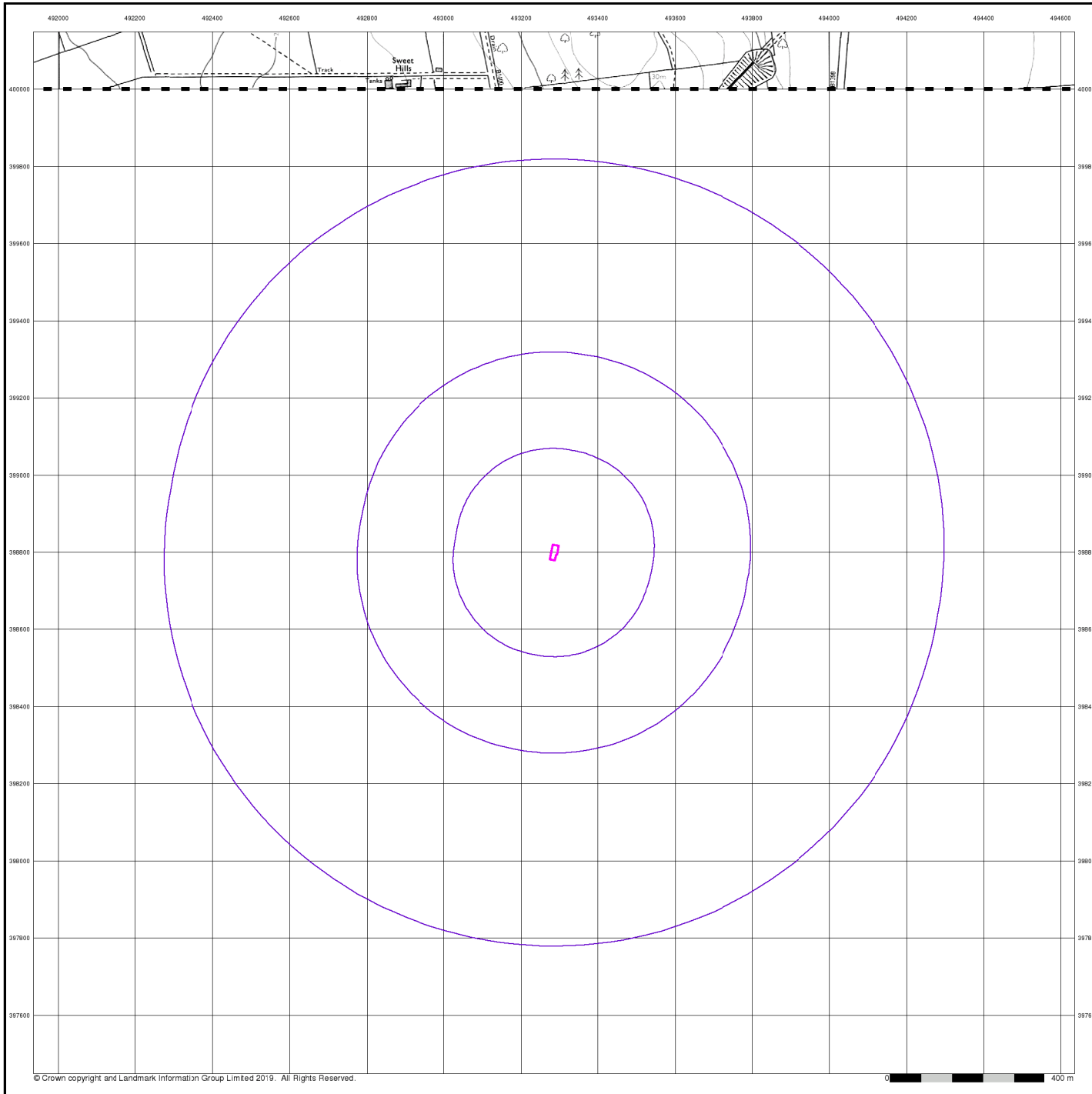
Order Number: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

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**Ordnance Survey Plan
Published 1980**

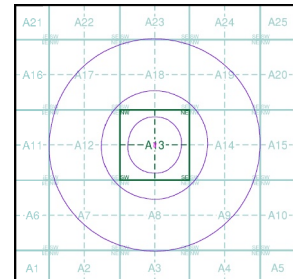
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SE90SW
1980
1:10,000

Historical Map - Slice A



Order Details

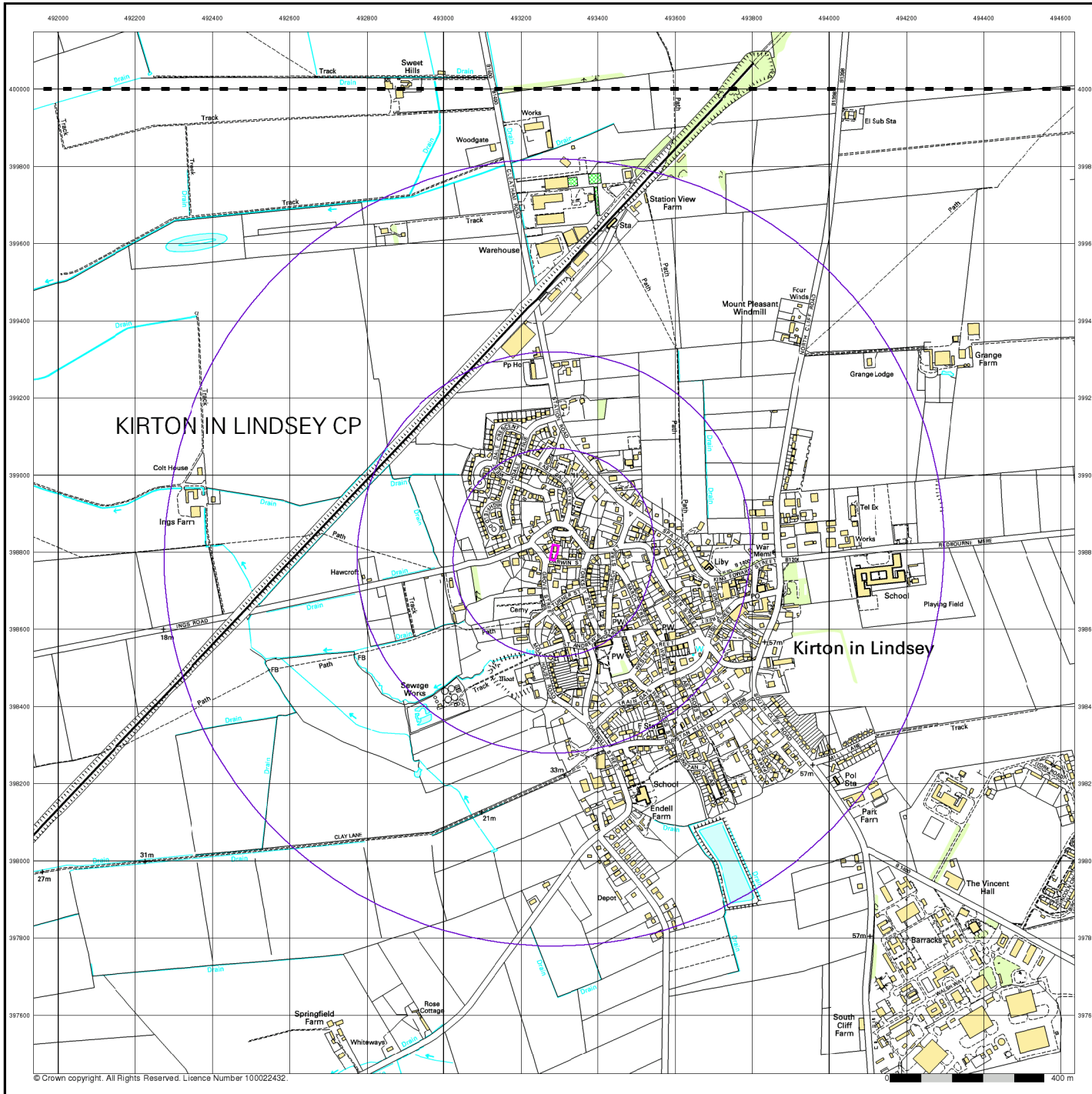
Order Number: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

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10k Raster Mapping Published 2000

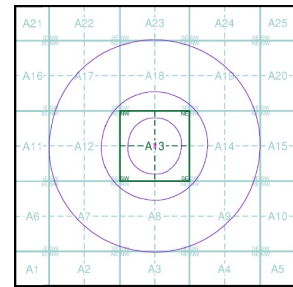
Source map scale - 1:10,000

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)

SE90SW	2000	1:10,000
SK99NW	2000	1:10,000

Historical Map - Slice A



Order Details

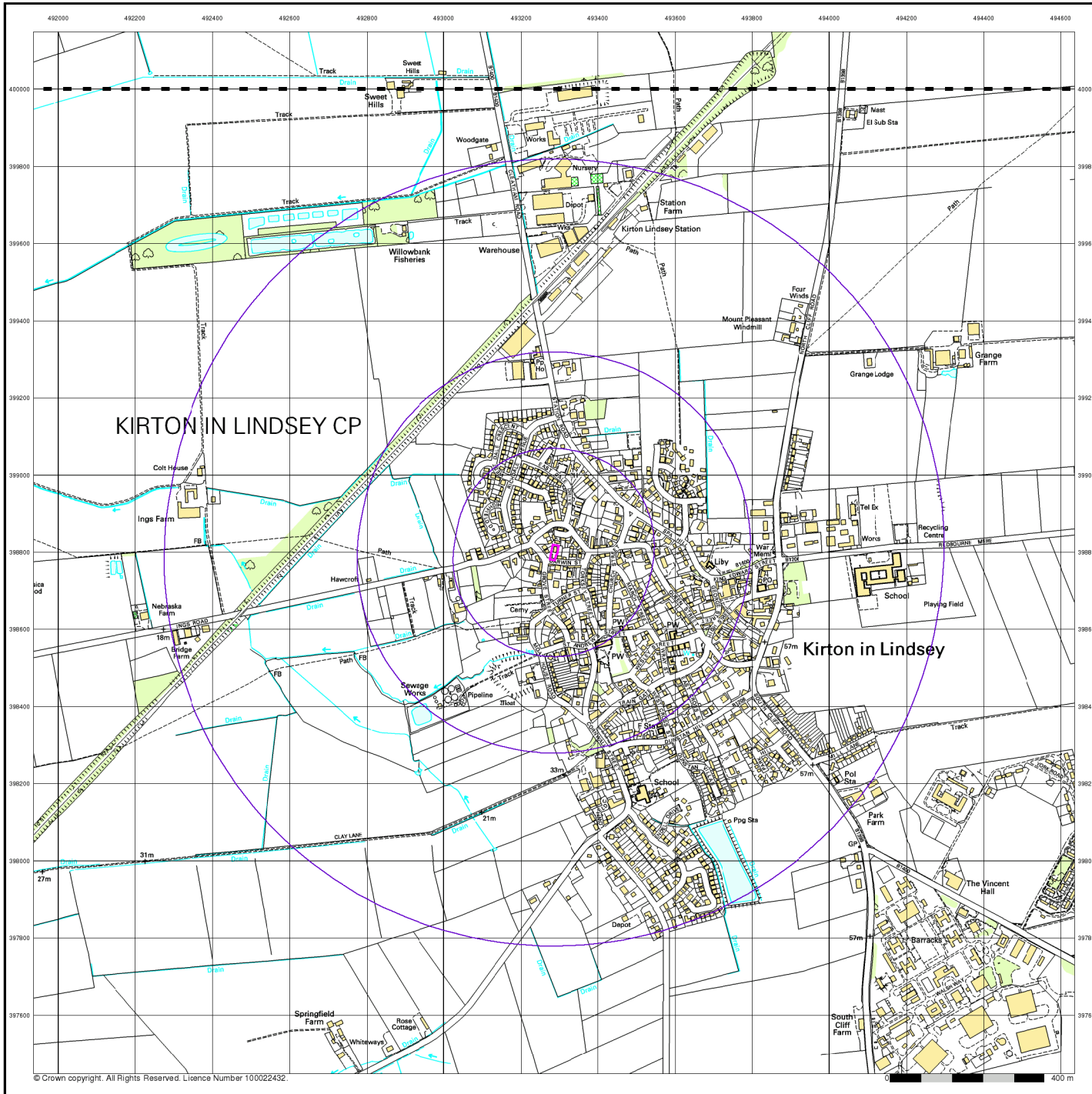
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 Search Buffer (m): 1000

Site Details

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KIRTON IN LINDSEY CP

Kirton in Lindsey

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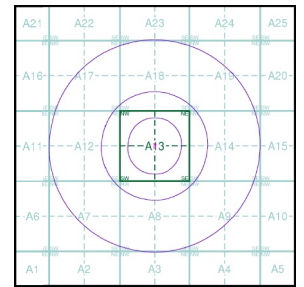
10k Raster Mapping
Published 2006
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

- SE90SW
2006
1:10,000
- SK99NW
2006
1:10,000

Historical Map - Slice A



Order Details

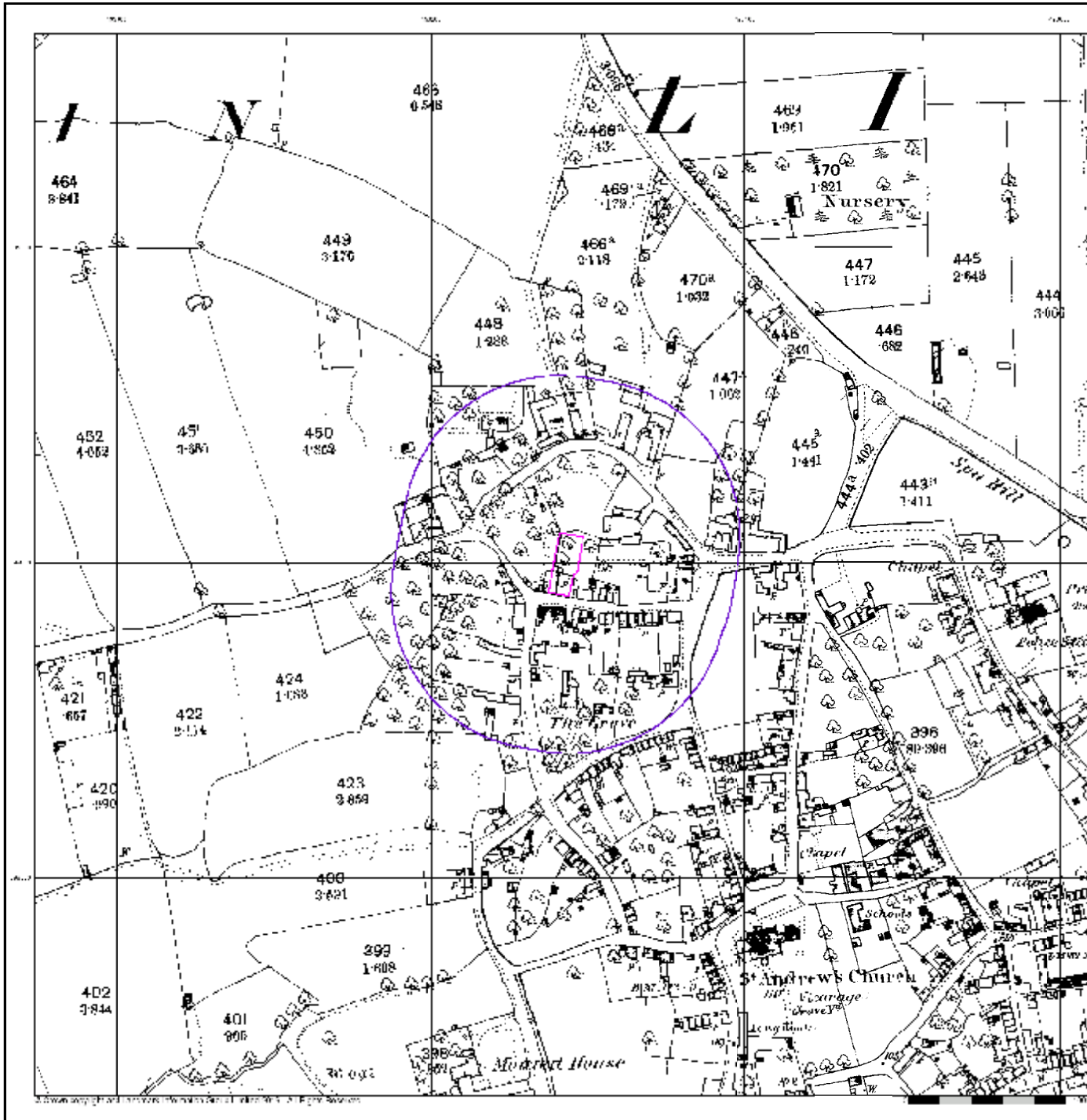
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 Slice: A
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 Search Buffer (m): 1000

Site Details

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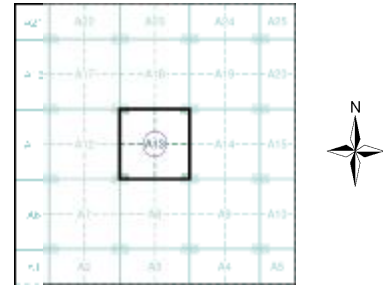
Lincolnshire
Published 1887
Source map scale - 1:2,500

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

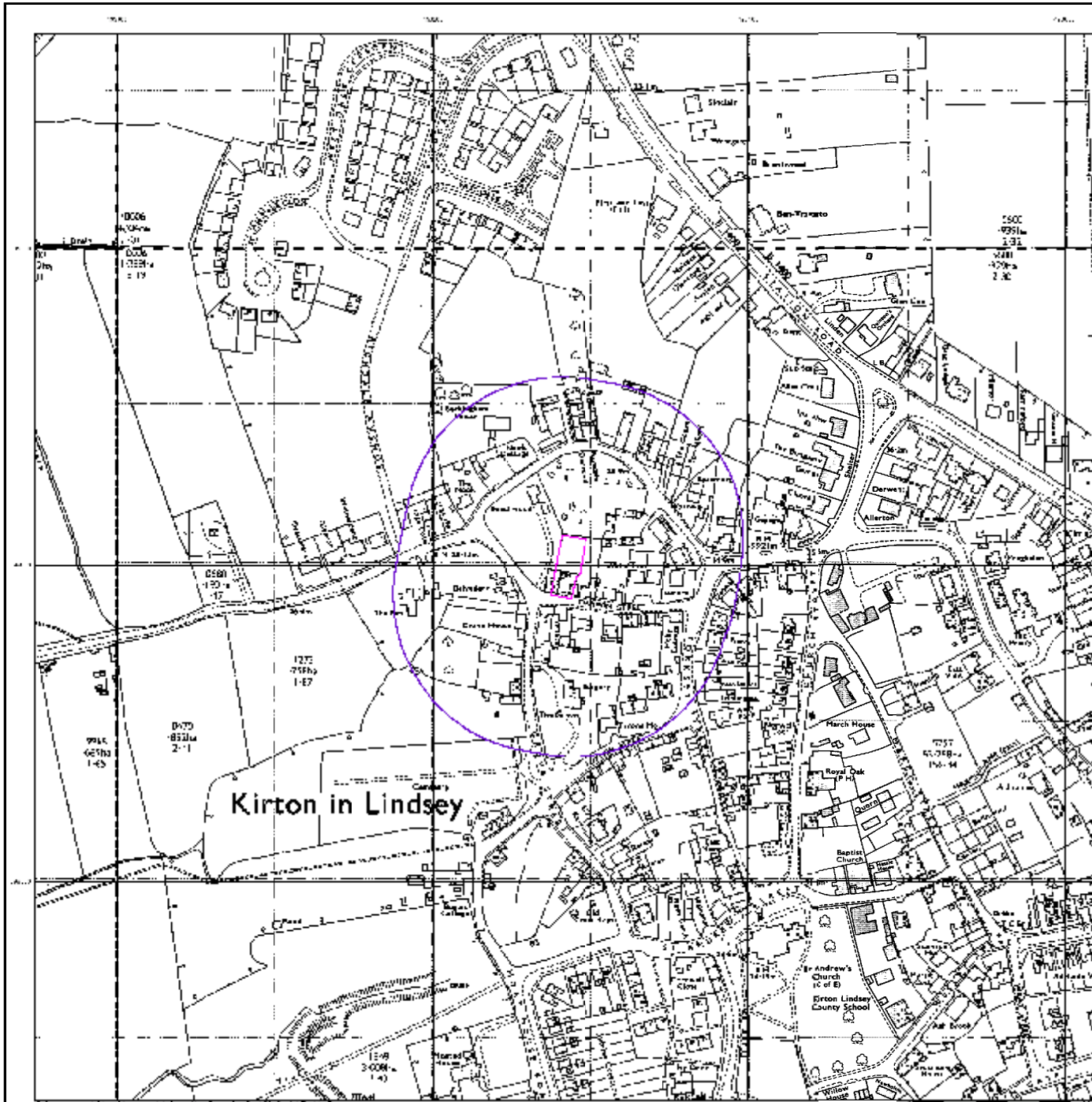
Order Number: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 100

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Ordnance Survey Plan

Published 1972

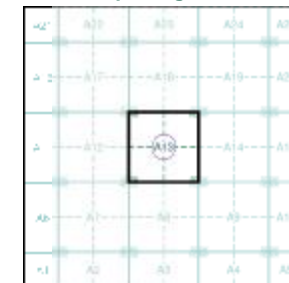
Source map scale - 1:2,500

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)

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10.012	0.012
10.012	0.012

Historical Map - Segment A13



Order Details

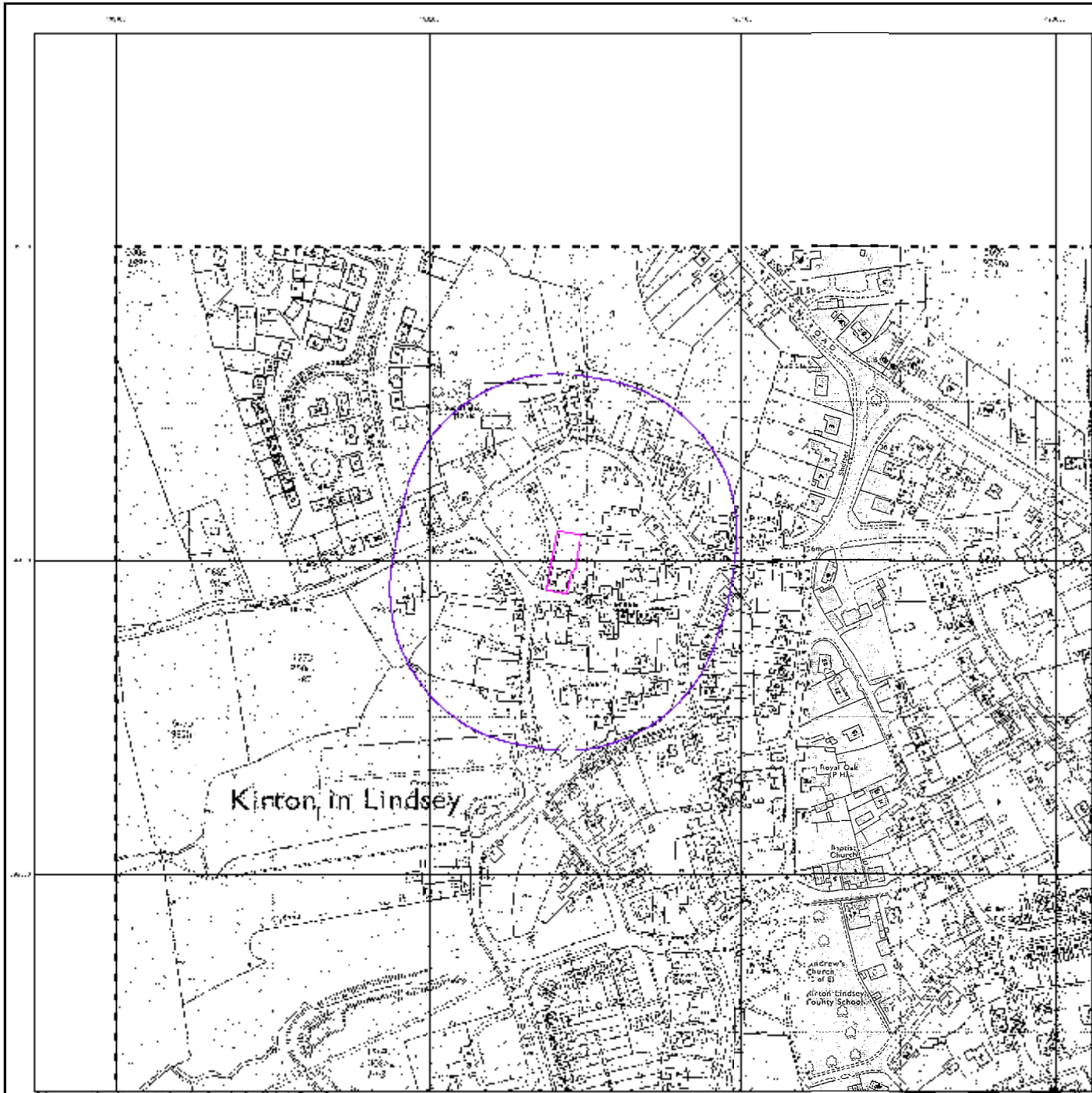
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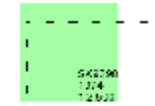
Supply of Unpublished Survey Information

Published 1974

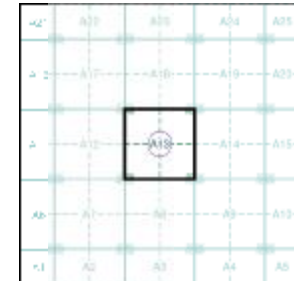
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

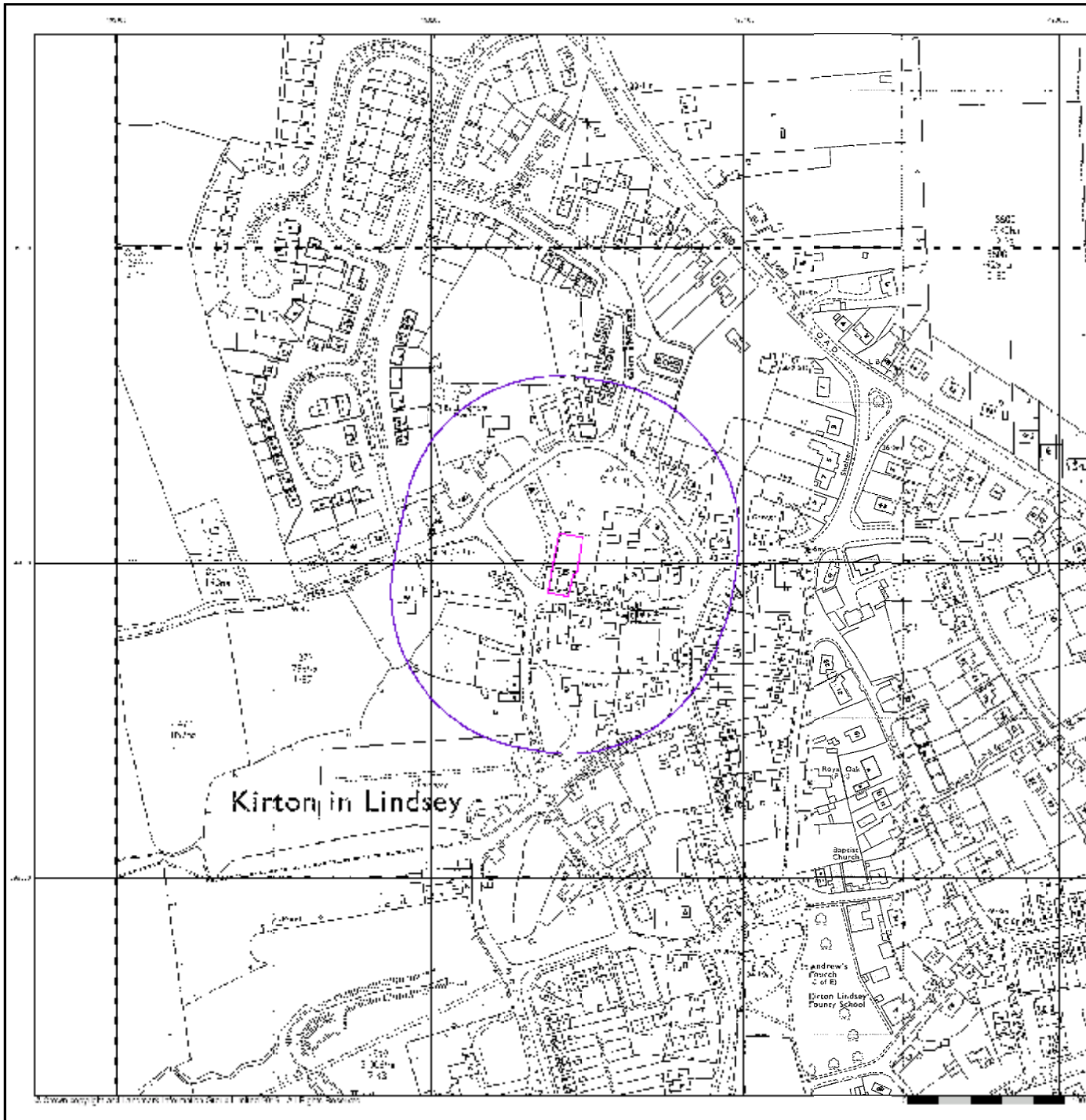
Order Number: 191150112_1_1
 Customer Ref: MG15119
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 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 100

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**Additional SIMs
Published 1978 - 1986
Source map scale - 1:2,500**

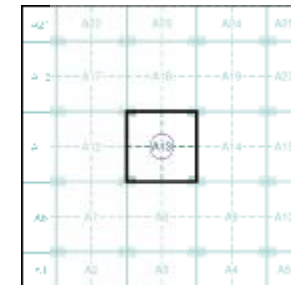
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)

SK1992
1982
1:2,500

SK2001
1982
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 191150112_1_1
Customer Ref: MG15119
National Grid Reference: 493290, 398800
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

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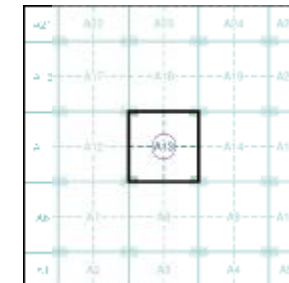
**Additional SIMs
Published 1987 - 1994
Source map scale - 1:2,500**

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

Map Name(s) and Date(s)

SK1992
1991
1:2,500
K12301
1992
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 191150112_1_1
Customer Ref: MG15119
National Grid Reference: 493290, 398800
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

9a, Darwin Street, Kirton Lindsey, GAINSBOROUGH, DN21 4BZ



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



**Large-Scale National Grid Data
Published 1994**

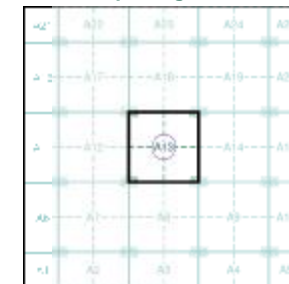
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

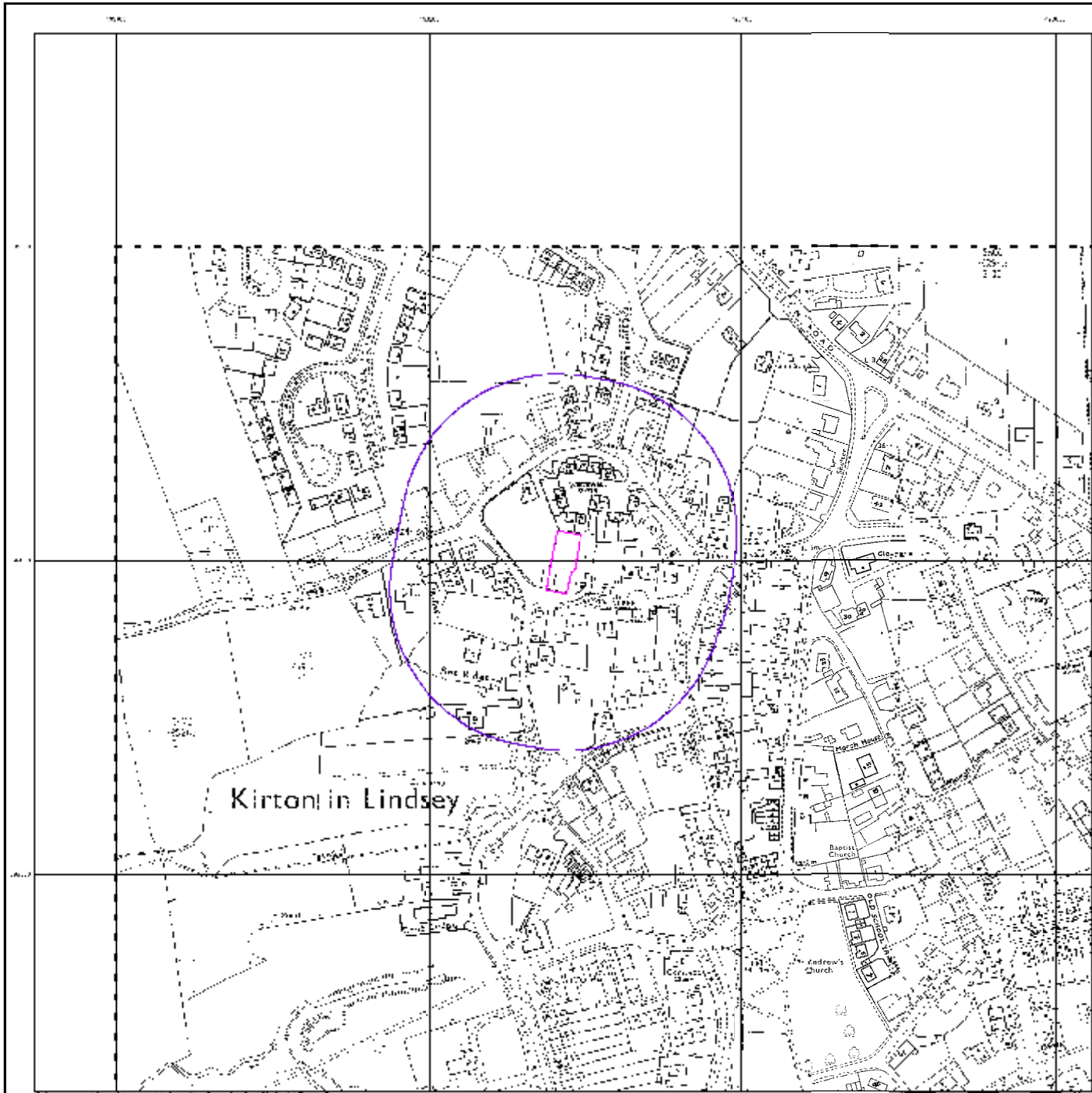
Order Number: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 100

Site Details

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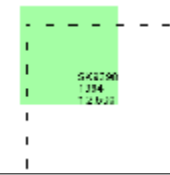


**Additional SIMs
Published 1994**

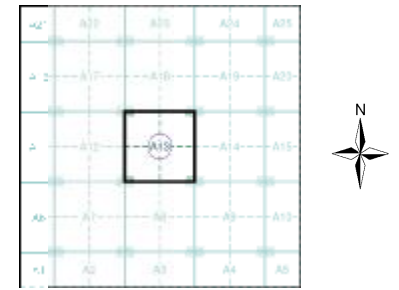
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

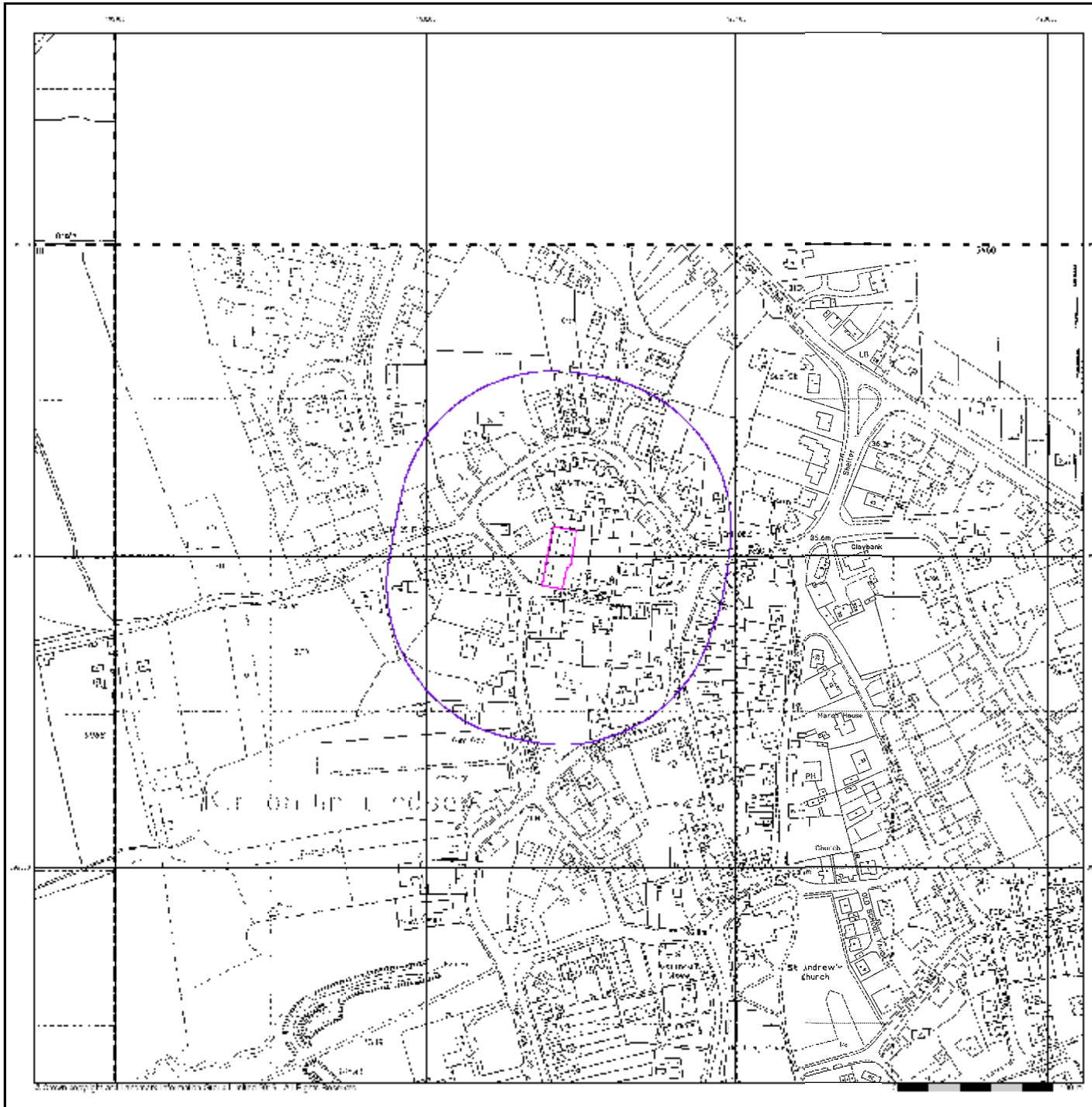
Order Number: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 100

Site Details

9a, Darwin Street, Kirton Lindsey, GAINSBOROUGH, DN21 4BZ



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**Large-Scale National Grid Data
Published 1995**

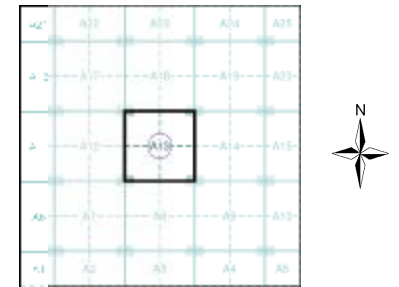
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

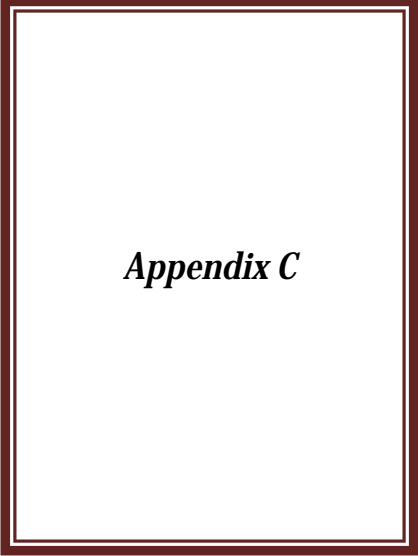
Order Number: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 100

Site Details

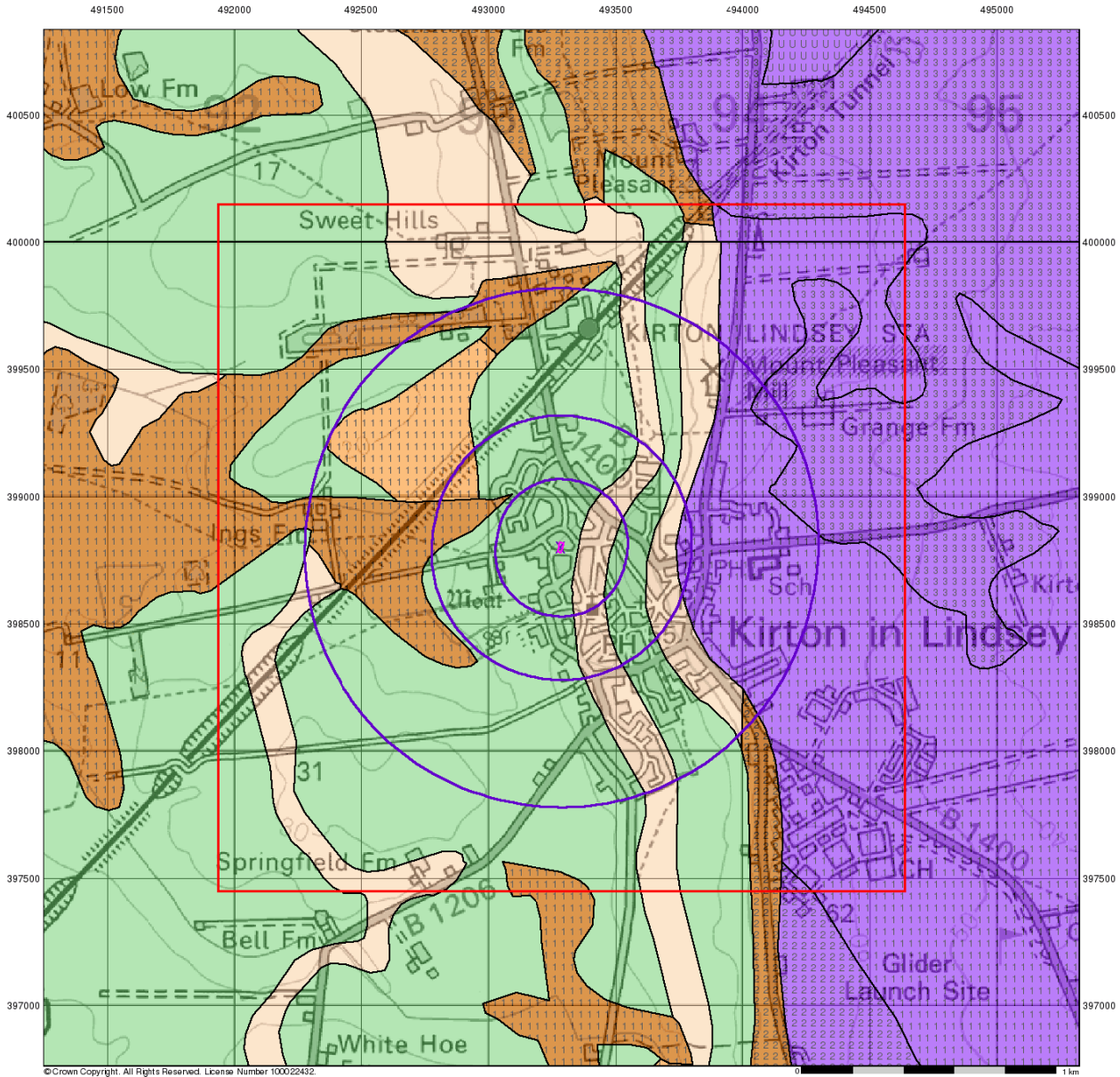
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Appendix C



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Groundwater Vulnerability

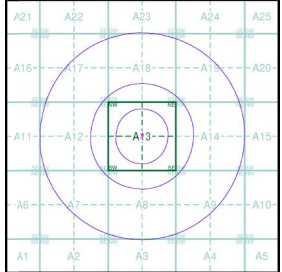
General

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

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice A



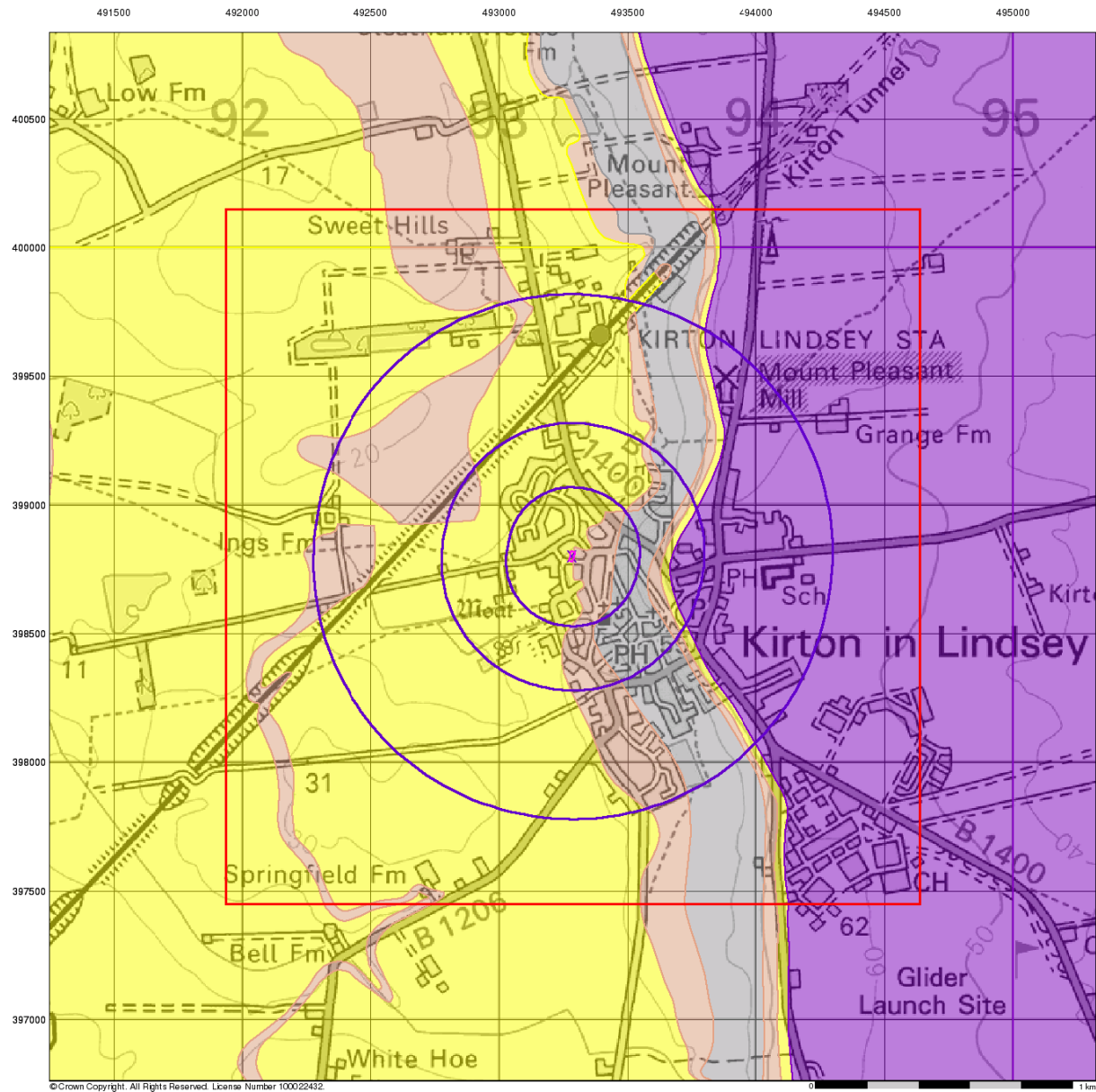
Order Details

Order Number: 191150112_1_1
 Customer Ref: MGS15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details
 9a, Darwin Street, Kirton Lindsey, GAINSBOROUGH, DN21 4BZ

Landmark
 INFORMATION GROUP

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Bedrock Aquifer Designation

General

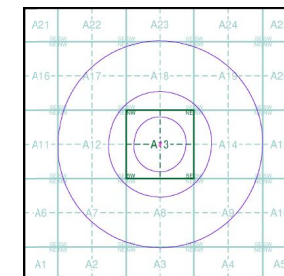
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

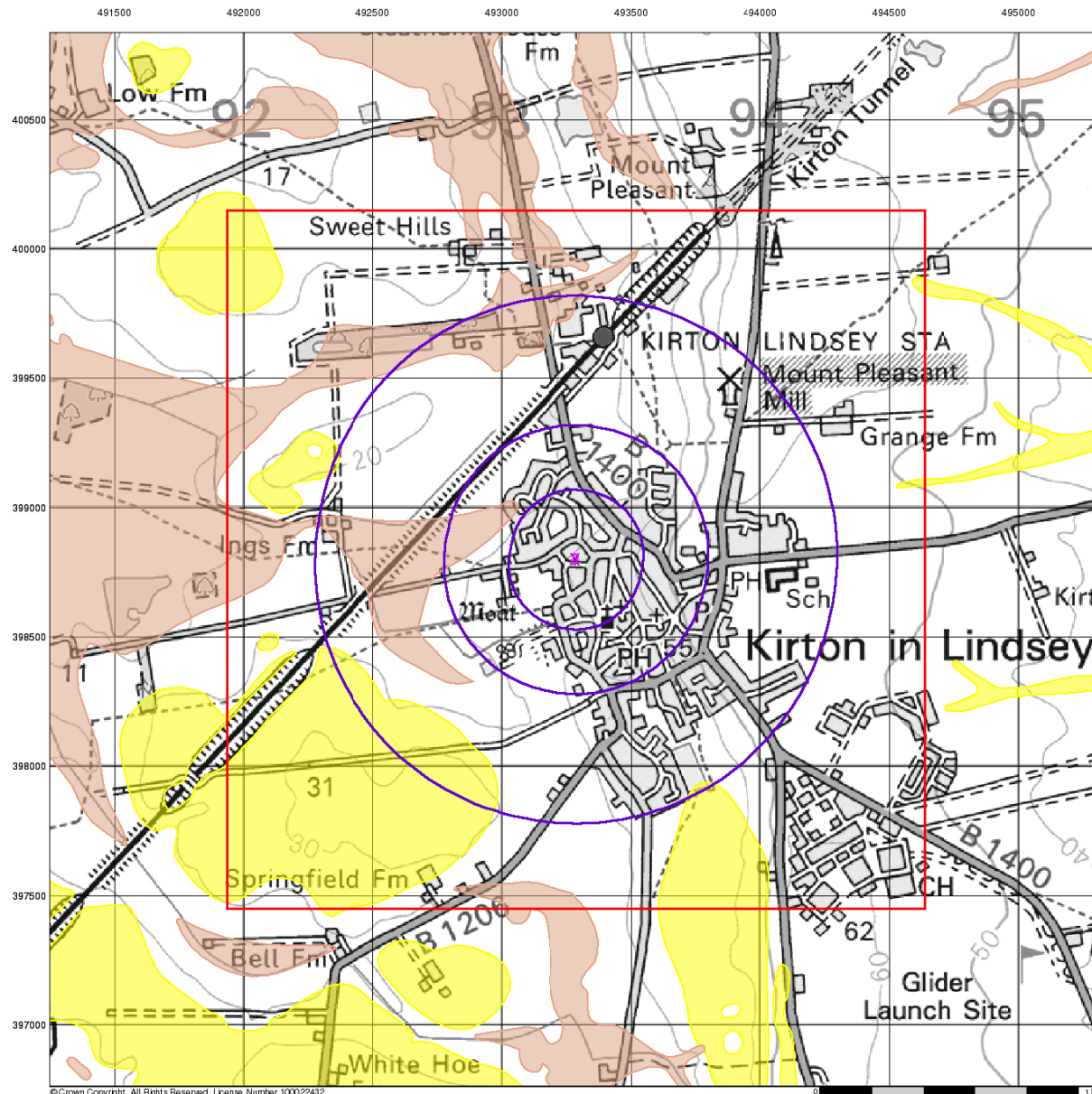
Order Number: 191150112_1_1
 Customer Ref: MGS15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

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
Superficial Aquifer Designation

General

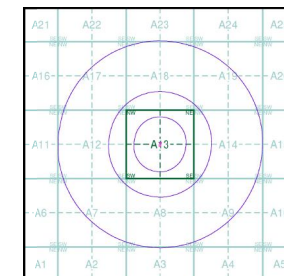
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point
-  Slice
-  Map ID

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

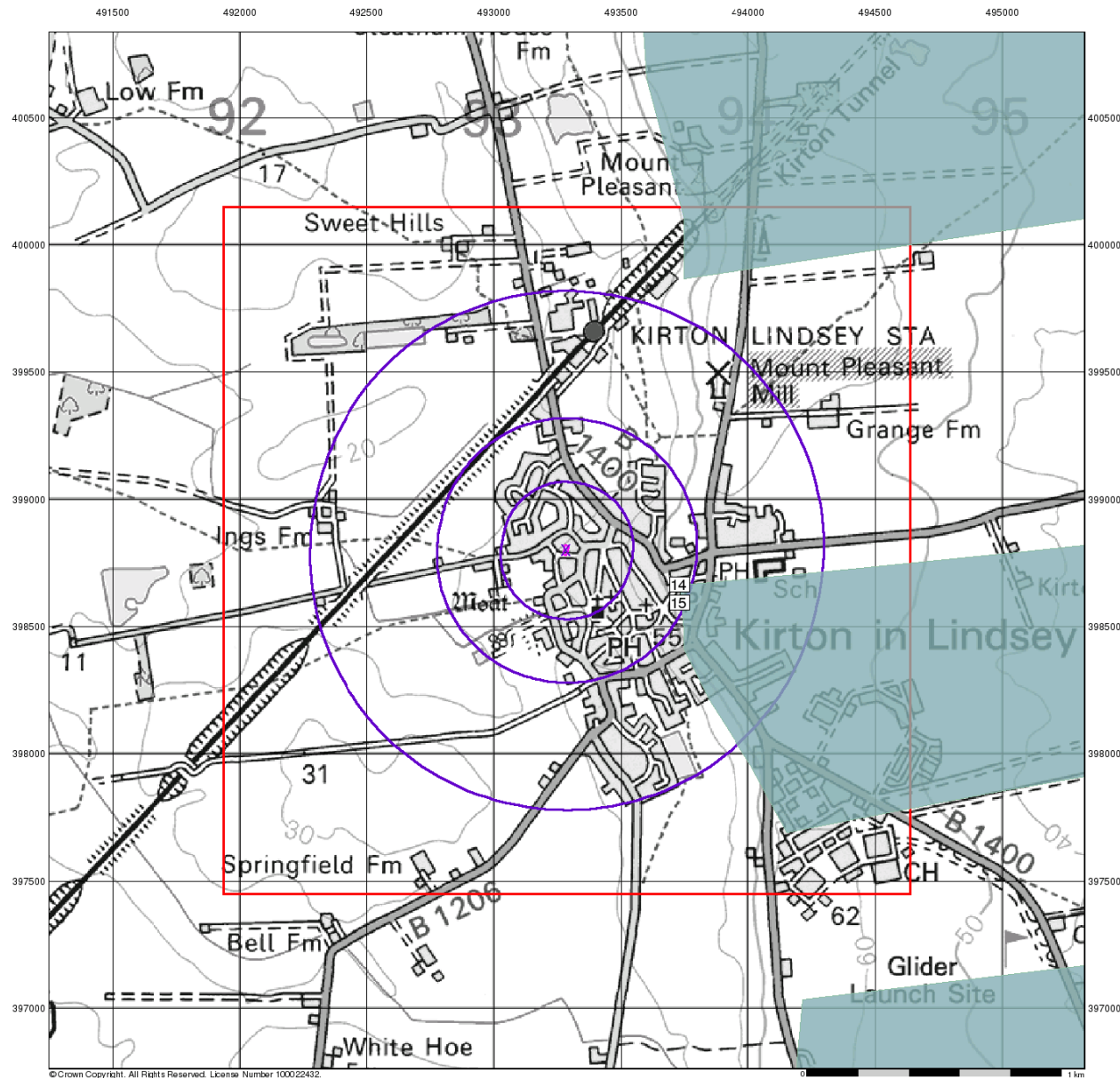
Order Number: 191150112_1_1
 Customer Ref: IVC15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

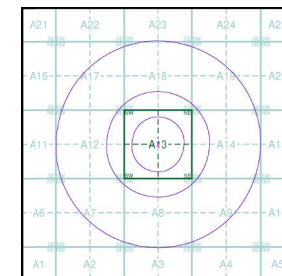
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

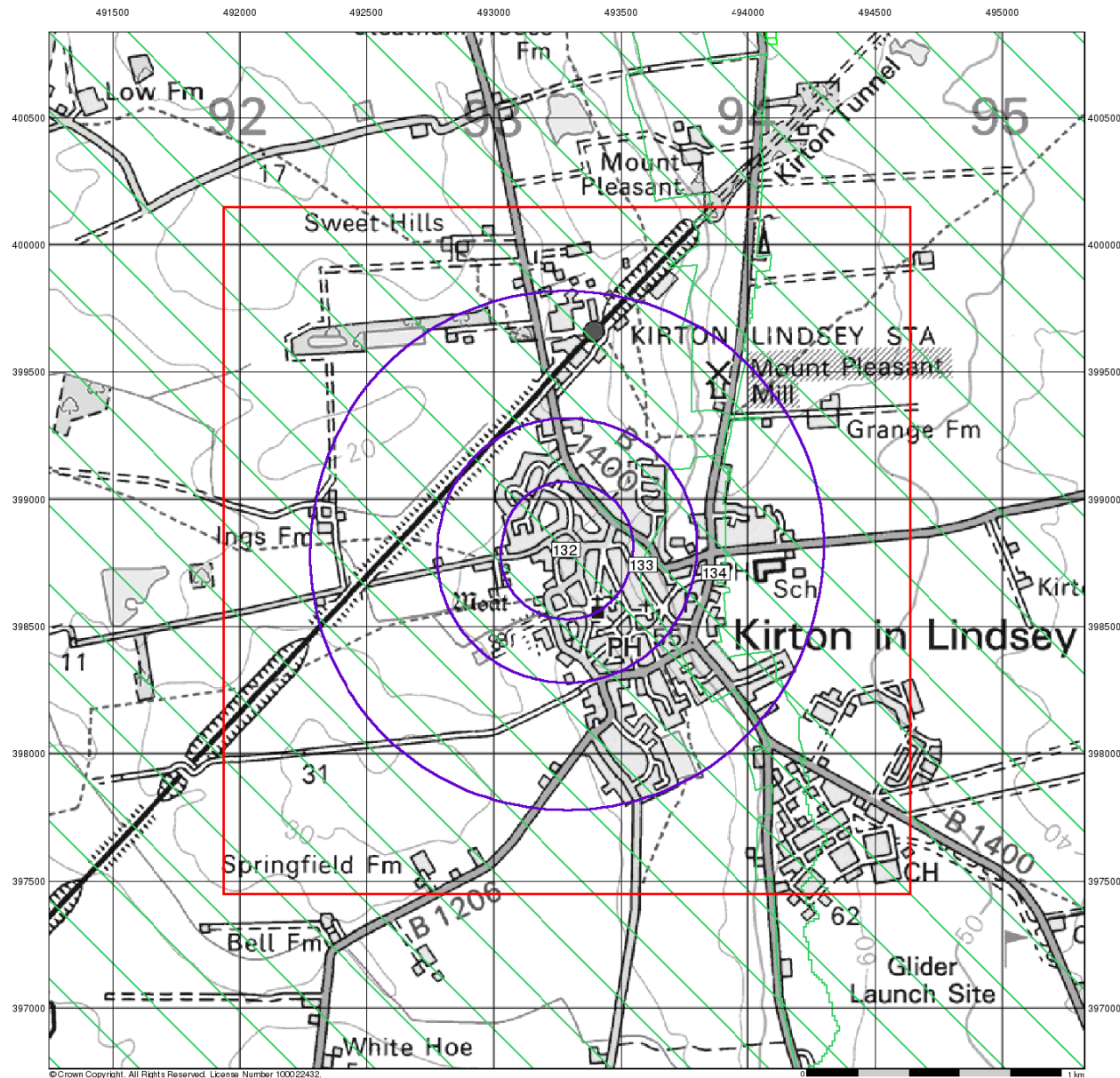
Order Number: 191150112_1_1
 Customer Ref: IVC15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

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Sensitive Land Uses

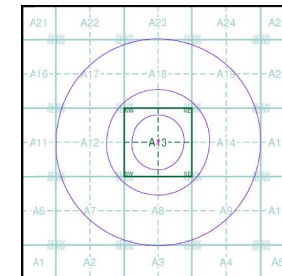
General

- 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

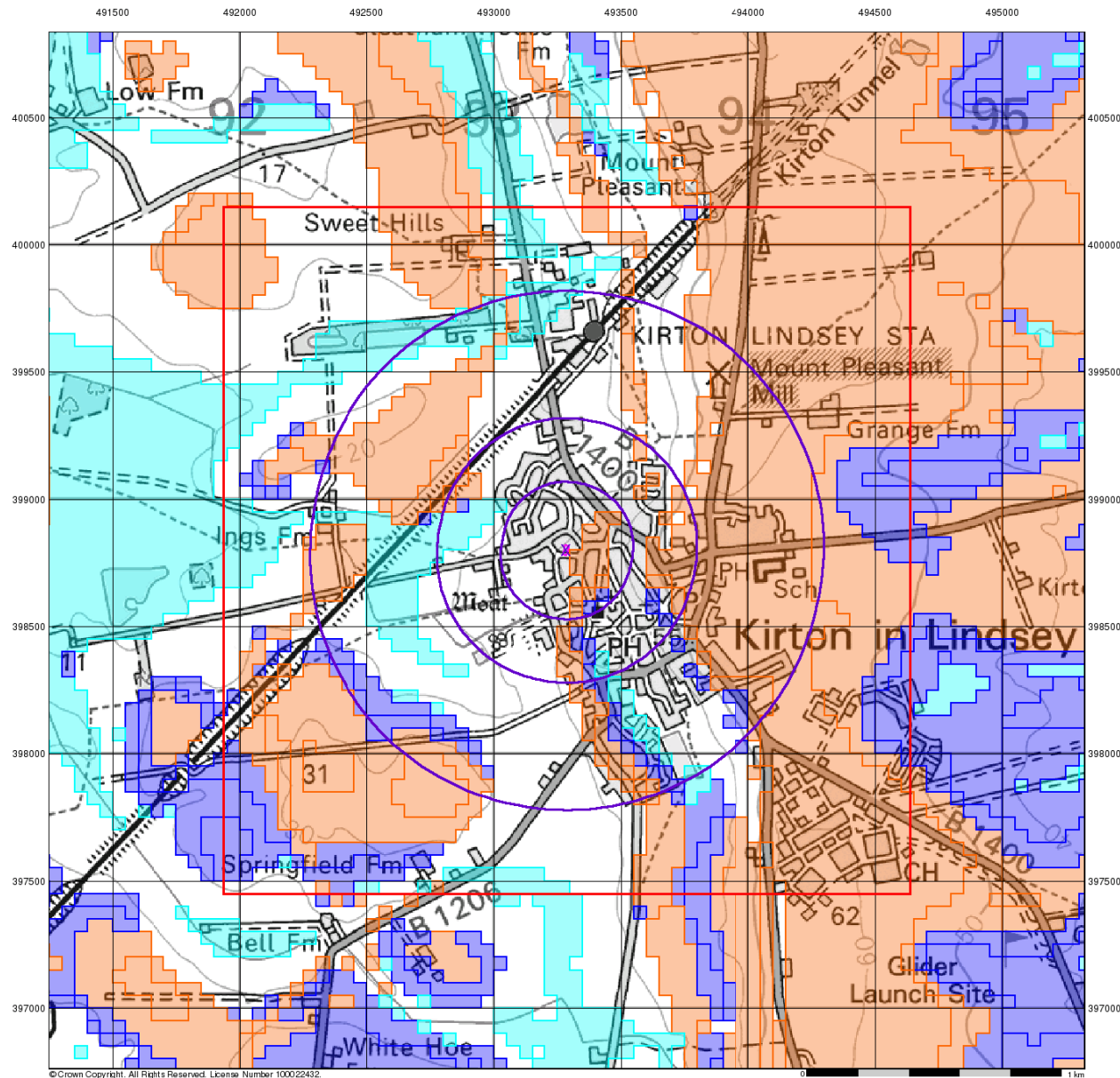
Order Number: 191150112_1_1
 Customer Ref: IVC15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

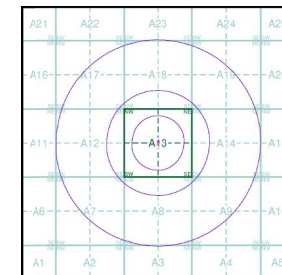
General

- 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: 191150112_1_1
 Customer Ref: MGS15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

191150112_1_1

Customer Reference:

MG15119

National Grid Reference:

493290, 398800

Slice:

A

Site Area (Ha):

0.06

Search Buffer (m):

1000

Site Details:

9a, Darwin Street
Kirton Lindsey
GAINSBOROUGH
DN21 4BZ

Client Details:

MR M Gree
Humberside Materials Laboratory Ltd
Atherton Way
Brigg
North Lincolnshire
DN20 8AR

Prepared For:

Mr McCabe



Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	20
Hazardous Substances	-
Geological	22
Industrial Land Use	27
Sensitive Land Use	34
Data Currency	35
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



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1		Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2			15	6
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 7				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 7			Yes	
Pollution Incidents to Controlled Waters	pg 7				5
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 8				1
River Quality Biology Sampling Points	pg 9				1
River Quality Chemistry Sampling Points	pg 10				1
Substantiated Pollution Incident Register					
Water Abstractions	pg 10				(*7)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 12	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 12	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 12			2	
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 13			15	44



Summary

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 20				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 20				2
Local Authority Landfill Coverage	pg 20	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 20				3
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 21				2
Registered Waste Treatment or Disposal Sites	pg 21				1
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					



Summary

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 22	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 22	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 25				1
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	pg 26		Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 26	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 26	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 26	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 27			7	27
Fuel Station Entries	pg 30				1
Points of Interest - Commercial Services	pg 30			1	12
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 31			2	10
Points of Interest - Public Infrastructure	pg 32		2	1	8
Points of Interest - Recreational and Environmental	pg 33			1	
Gas Pipelines					
Underground Electrical Cables					



Summary

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					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 34	1		1	1
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	7	1	493300 398799
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	130	1	493300 398650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	138	1	493400 398700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	144	1	493350 398650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	172	1	493400 398650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	180	1	493300 398600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	190	1	493350 398600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (NW)	267	1	493050 398950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	279	1	493285 398500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	280	1	493300 398500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	304	1	493600 398799
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	313	1	493550 399000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	322	1	493600 398700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	335	1	493350 398450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	339	1	493600 398650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	361	1	493600 398600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	364	1	493650 398900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	378	1	492950 399000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	383	1	493600 399050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	396	1	493400 398400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	404	1	492900 398950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	419	1	493550 399150



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	429	1	493650 398550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	432	1	493700 398650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	434	1	493350 398350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	447	1	492900 399050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	452	1	492850 398950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	469	1	492850 399000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	475	1	492900 399100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	492	1	493400 398300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	500	1	492800 398950
1	Discharge Consents Operator: Severn Trent Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Kirton In Lindsey Stw, Moat House Road, Kirton In Lindsey, Lincolnshire, Dn21 4dd Authority: Environment Agency, Midlands Region Catchment Area: River Eau Catchment Reference: T/80/45794/R Permit Version: 3 Effective Date: 1st January 2010 Issued Date: 14th October 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib River Eau Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	410	2	493020 398460
1	Discharge Consents Operator: Severn Trent Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Kirton In Lindsey Stw, Moat House Road, Kirton In Lindsey, Lincolnshire, Dn21 4dd Authority: Environment Agency, Midlands Region Catchment Area: River Eau Catchment Reference: T/80/45794/R Permit Version: 1 Effective Date: 9th September 2003 Issued Date: 9th September 2003 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib River Eau Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	410	2	493020 398460



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Kirton In Lindsey Stw, Moat House Road, Kirton In Lindsey, Lincolnshire, Dn21 4dd Authority: Environment Agency, Midlands Region Catchment Area: River Eau Catchment Reference: T/80/45794/R Permit Version: 2 Effective Date: 1st April 2005 Issued Date: 9th September 2003 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib River Eau Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	410	2	493020 398460
1	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: Not Given Location: Kirton In Lindsey Stw Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: T/80/21843/R /2 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th September 1992 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Kirton Beck Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	410	2	493020 398460
1	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Kirton Lindsey Wrw Authority: Environment Agency, Midlands Region Catchment Area: Uncategorised Lower Trent Reference: T/80/22743/R Permit Version: 2 Effective Date: 31st March 2005 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Eau Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	410	2	493020 398460
1	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works Location: Stw, Kirton In Lindsey Authority: Environment Agency, Midlands Region Catchment Area: River Eau Catchment Reference: CT/80/22743/R/2 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 19th March 1996 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Kirton Beck Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	411	2	493025 398455



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Kirton In Lindsey Stw, Moat House Road, Kirton In Lindsey, Lincolnshire, Dn21 4dd Authority: Environment Agency, Midlands Region Catchment Area: River Eau Catchment Reference: T/80/45794/R Permit Version: 3 Effective Date: 1st January 2010 Issued Date: 14th October 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib River Eau Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	465	2	492970 398430
2	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Kirton In Lindsey Stw, Moat House Road, Kirton In Lindsey, Lincolnshire, Dn21 4dd Authority: Environment Agency, Midlands Region Catchment Area: River Eau Catchment Reference: T/80/45794/R Permit Version: 1 Effective Date: 9th September 2003 Issued Date: 9th September 2003 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib River Eau Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	465	2	492970 398430
2	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Kirton In Lindsey Stw, Moat House Road, Kirton In Lindsey, Lincolnshire, Dn21 4dd Authority: Environment Agency, Midlands Region Catchment Area: Uncategorised Lower Trent Reference: T/80/45794/R Permit Version: 1 Effective Date: 9th September 2003 Issued Date: 9th September 2003 Revocation Date: 31st March 2005 Discharge Type: Discharge Of Other Matter-Crude Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib River Eau Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	465	2	492970 398430
2	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Kirton In Lindsey Stw, Moat House Road, Kirton In Lindsey, Lincolnshire, Dn21 4dd Authority: Environment Agency, Midlands Region Catchment Area: River Eau Catchment Reference: T/80/45794/R Permit Version: 2 Effective Date: 1st April 2005 Issued Date: 9th September 2003 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib River Eau Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	465	2	492970 398430



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Kirton In Lindsey Stw, Moat House Road, Kirton In Lindsey, Lincolnshire, Dn21 4dd Authority: Environment Agency, Midlands Region Catchment Area: Uncategorised Lower Trent Reference: T/80/45794/R Permit Version: 2 Effective Date: 1st April 2005 Issued Date: 9th September 2003 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Crude Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib River Eau Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	465	2	492970 398430
2	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Kirton In Lindsey Stw, Moat House Road, Kirton In Lindsey, Lincolnshire, Dn21 4dd Authority: Environment Agency, Midlands Region Catchment Area: River Eau Catchment Reference: T/80/22743/R Permit Version: 1 Effective Date: 19th March 1996 Issued Date: 19th March 1996 Revocation Date: 8th September 2003 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Eau Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	465	2	492970 398430
2	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Kirton In Lindsey Stw, Moat House Road, Kirton In Lindsey, Lincolnshire, Dn21 4dd Authority: Environment Agency, Midlands Region Catchment Area: River Eau Catchment Reference: T/80/22743/R Permit Version: 1 Effective Date: 19th March 1996 Issued Date: 19th March 1996 Revocation Date: 8th September 2003 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Eau Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	465	2	492970 398430
2	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: Not Given Location: Kirton In Lindsey Stw Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: T/80/21843/R /1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th September 1992 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Kirton Beck Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	465	2	492970 398430



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: Sewage Disposal Works - Water Company Location: Kirton Lindsey Wrw Authority: Environment Agency, Midlands Region Catchment Area: Uncategorised Lower Trent Reference: T/80/22743/R Permit Version: 2 Effective Date: 31st March 2005 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Eau Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	465	2	492970 398430
3	<p>Discharge Consents</p> <p>Operator: Dennis Tyler & Sons Property Type: Mixed Farming Location: Redhill Farm Seaton Road, Barrowden, Oakham, Rutland, Le15 8en Authority: Environment Agency, Anglian Region Catchment Area: Catchment 29 Unknown Detail Reference: Gwnlf40292 Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 11th July 2000 Revocation Date: Not Supplied Discharge Type: Agriculture - Livestock Farming Discharge: Onto Land Environment: Receiving Water: Groundwater Status: Deemed Groundwater Regulations Authorisation Positional Accuracy: Located by supplier to within 100m</p>	A18SE (NE)	571	2	493600 399300
4	<p>Discharge Consents</p> <p>Operator: Cleanacres (Northern) Limited Property Type: Undefined Or Other Location: Cleanacres (Northern) Ltd, Station Road, Kirton In Lindsey Authority: Environment Agency, Midlands Region Catchment Area: River Eau Catchment Reference: T/80/07930/S Permit Version: 1 Effective Date: 21st March 1980 Issued Date: 21st March 1980 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Kirton Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	692	2	493260 399510
5	<p>Discharge Consents</p> <p>Operator: G A Bowskill (Lin-Pack) Limite Property Type: Not Given Location: Proposed Development, Cleatham Road, KIRTON IN LINDSEY, South Humberside Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: WQ/72/2029 /1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 16th August 1978 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge: Groundwater Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	886	2	493200 399700



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: J E Churchill Limited Property Type: Not Given Location: J E Churchill Limited, Storage Building At Station Road, KIRTON IN LINDSEY Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: S34/SW/LT/295 /1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 10th August 1989 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Eau Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	977	2	493180 399790
6	<p>Discharge Consents</p> <p>Operator: J F Drewery Limited Property Type: Not Given Location: The Company's Premises At, Station Road, Kirton Lindsey, GAINSBOROUGH Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: 3/28/80/0375 /1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 16th June 1966 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge: Groundwater Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	985	2	493200 399800
7	<p>Discharge Consents</p> <p>Operator: R F Hardy Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Grange Lodge, Kirton Lindsay, Gainsborough, Lincolnshire Authority: Environment Agency, Midlands Region Catchment Area: River Eau Catchment Reference: Wq/72/2582 Permit Version: 1 Effective Date: 25th July 1979 Issued Date: 25th July 1979 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Underground Strata Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	985	2	494160 399290
8	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Parkside Services Location: 41-43 South Cliff Road, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4DX Authority: North Lincolnshire Council, Environmental Protection Team Permit Reference: 175 Dated: 10th January 2001 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	726	3	493855 398326
	<p>Nearest Surface Water Feature</p>	A13SW (S)	253	-	493211 398537
9	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Food industry Location: Station Road, KIRTON Authority: Environment Agency, Midlands Region Pollutant: Organic Wastes: Vegetable Washings Note: Other Adverse Effects; River Eau; Potato Wash Water From Fenmarc Ltd Incident Date: 19th March 1996 Incident Reference: 2800436 Catchment Area: Trent Catchment : River Eau Receiving Water: Watercourse Cause of Incident: Treatment System Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	692	2	493200 399505



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Pollution Incidents to Controlled Waters Property Type: Food industry Location: Station Road, KIRTON Authority: Environment Agency, Midlands Region Pollutant: Organic Wastes: Vegetable Washings Note: Other Adverse Effects Incident Date: 19th March 1996 Incident Reference: Not Supplied Catchment Area: Trent Catchment : River Eau Receiving Water: Watercourse Cause of Incident: Treatment System Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	697	2	493200 399510
10	Pollution Incidents to Controlled Waters Property Type: Food industry Location: Between Scotton & Nebraska Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: River Eau; Oil; Amenity Effected Incident Date: 18th September 1997 Incident Reference: 2803375 Catchment Area: Trent Catchment : River Eau Receiving Water: Watercourse Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	781	2	493200 399595
10	Pollution Incidents to Controlled Waters Property Type: Food industry Location: Station Road, Kirton In Lindsay Authority: Environment Agency, Midlands Region Pollutant: Organic Wastes: Vegetable Washings Note: Other Adverse Effects; Tributary Manton Bk; Potato Washings To Ditch Incident Date: 11th October 1996 Incident Reference: 2801414 Catchment Area: Trent Catchment : River Eau Receiving Water: Watercourse Cause of Incident: Land Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	786	2	493200 399600
11	Pollution Incidents to Controlled Waters Property Type: Food industry Location: Bowskills, Kirton In Lindsay Authority: Environment Agency, Midlands Region Pollutant: Organic Wastes: Vegetable Washings Note: Other Adverse Effects; River Eau; Effluent From Bowskills To Watercourse Incident Date: 6th March 1997 Incident Reference: 2802120 Catchment Area: Trent Catchment : River Eau Receiving Water: Watercourse Cause of Incident: Mechanical Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	935	2	493200 399750
	River Quality Name: Trib. Kirton Lindsey GQA Grade: River Quality B Reach: Kirton Lindsey Stw To Conf. R. Eau Estimated Distance (km): 2.8 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A7NE (SW)	725	2	492649 398415



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p>River Quality Biology Sampling Points</p> <p>Name: Kirton Lindsey Tributary Reach: Kirton Lindsey Sewage Treatment Works To Confluence River Eau Estimated Distance: 2.80 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 1995 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2000 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2002 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2003 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2004 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2005 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2006 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2007 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2008 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2009 GQA Grade: River Quality Biology GQA Grade E - Poor</p>	A7NE (SW)	690	2	492700 398400



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<p>River Quality Chemistry Sampling Points</p> <p>Name: Trib. Kirton Lindsey Reach: Kirton Lindsey Stw To Confluence River Eau Estimated Distance: 2.80 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied</p>	A12SW (W)	765	2	492520 398660
	<p>Water Abstractions</p> <p>Operator: D R Jacques & Son Licence Number: 4/29/03/"G/0069 Permit Version: 101 Location: Borehole At Kirton In Lindsey Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage 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 March Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10NW (SE)	1241	2	494410 398250



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: D & G Jacques Licence Number: 4/29/03/*G/0069 Permit Version: 100 Location: Jacques Bore Kirton Lindsey Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: North Lincolnshie Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 30th September 1980 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10NW (E)	1398	2	494600 398300
	<p>Water Abstractions</p> <p>Operator: D R Jacques & Son Licence Number: 4/29/03/*S/0070 Permit Version: 101 Location: Unnamed Dyke At Kirton In Lindsey Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10NE (E)	1634	2	494850 398300
	<p>Water Abstractions</p> <p>Operator: D & G Jacques Licence Number: 4/29/03/*S/0070 Permit Version: 100 Location: Unnamed Dyke Kirton Lindsey Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st September 1980 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10NE (E)	1682	2	494900 398300
	<p>Water Abstractions</p> <p>Operator: Mr D A Stephenson Licence Number: 03/28/80/00251 Permit Version: Not Supplied Location: Tributary Of River Eau, CLEATHAM Authority: Environment Agency, Midlands Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 300 Yearly Rate (m3): 20000 Details: River Eau Catchment Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Unknown</p>	(N)	1836	2	492700 400560



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr & Mrs D R Jacques Licence Number: 03/28/80/0018 Permit Version: 100 Location: White Hoe - Tributary Of River Eau Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Park Farm, Gainsborough - Tributary Of River Eau Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 16th March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1851	2	492500 397100
	Water Abstractions Operator: Mr D A Stephenson Licence Number: 03/28/80/0025 Permit Version: 100 Location: Cleatham - Tributary Of River Eau Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 300 Yearly Rate (m3): 20000 Details: Cleatham - Tributary Of River Eau Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 26th October 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1859	2	492750 400600
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 18 Nottinghamshire Scale: 1:100,000	A13NW (SW)	0	2	493285 398799
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NW (SW)	0	4	493285 398799
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (E)	0	4	493291 398799
	Superficial Aquifer Designations No Data Available				
14	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.	A14SW (E)	458	2	493731 398663
15	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.	A14SW (E)	459	2	493731 398661
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 563.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13SW (S)	253	5	493211 398537
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 312.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13SW (SW)	270	5	493063 398613
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 229.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13SW (W)	291	5	492984 398779
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 140.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13NE (N)	293	5	493371 399100
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13SW (W)	296	5	492980 398754
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 131.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13NW (NW)	303	5	493039 399000
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13SW (W)	327	5	492949 398747
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SE (W)	344	5	492933 398743
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SE (W)	389	5	492889 398734



Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 501.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (E)	396	5	493686 398888
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SE (W)	409	5	492869 398730
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NE (NW)	411	5	492910 398994
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SE (W)	435	5	492844 398724
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 492.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	A12NE (NW)	473	5	492857 399026
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 582.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NE (NW)	473	5	492857 399026
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SE (W)	521	5	492761 398697
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8NW (SW)	556	5	493054 398271
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 188.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SE (SW)	562	5	492765 398543



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7NE (SW)	587	5	492908 398323
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 397.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7NE (SW)	587	5	492907 398324
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8NW (SW)	612	5	492983 398244
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8NW (SW)	625	5	492967 398238
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8NW (SW)	628	5	492959 398238
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8NW (SW)	633	5	492965 398229
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8NW (SW)	634	5	492972 398224
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	A8NW (S)	642	5	493158 398150
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8NW (SW)	644	5	493003 398198



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18SW (N)	650	5	493237 399466
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 134.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8SW (S)	686	5	493092 398120
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8SE (S)	716	5	493541 398110
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8SE (S)	740	5	493574 398097
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SW (W)	742	5	492580 398523
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SW (W)	743	5	492578 398525
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8SE (SE)	747	5	493586 398094
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SW (W)	761	5	492524 398661
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SW (W)	763	5	492524 398648



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 182.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SW (W)	763	5	492521 398665
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 219.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7NE (SW)	768	5	492618 398384
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9SW (SE)	771	5	493637 398092
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9SW (SE)	771	5	493637 398092
56	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: Trent Primacy: 1	A9SW (SE)	772	5	493636 398090
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 436.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9SW (SE)	773	5	493637 398090
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 268.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7NW (SW)	817	5	492567 398373
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7NW (SW)	817	5	492567 398373
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 211.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9SW (SE)	825	5	493744 398092



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 500.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7NW (SW)	827	5	492565 398357
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NW (W)	850	5	492426 398818
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NW (N)	867	5	493198 399681
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NW (N)	870	5	493197 399684
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NW (W)	903	5	492378 398889
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NW (W)	915	5	492378 398964
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 398.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A8SW (S)	957	5	493225 397824
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 276.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NW (N)	972	5	492976 399740
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 572.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17NE (N)	975	5	492912 399720



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17NE (N)	975	5	492912 399720
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NW (W)	981	5	492311 398967
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 215.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17NE (N)	986	5	492918 399735
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 429.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NW (N)	994	5	493175 399806
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 273.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NW (N)	994	5	493175 399806



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	Historical Landfill Sites Licence Holder: Not Supplied Location: Kirton Lindsey Name: Redbourne Mere Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL34425 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Industrial, Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A14NE (E)	869	2	494160 398910
76	Licensed Waste Management Facilities (Locations) Licence Number: 70897 Location: North Cliff Road, Kirton In Lindsey, Lincolnshire, DN21 4NJ Operator Name: Barnard Mike Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Issued Issued: 2nd May 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (E)	610	2	493900 398900
77	Licensed Waste Management Facilities (Locations) Licence Number: 70869 Location: Kirton Lindsey C A Site, Redbourne Mere, Kirton Lindsey, Lincolnshire, DN21 4NW Operator Name: North Lincolnshire Borough Council Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Household Waste Amenity Sites Licence Status: Transferred Issued: 7th December 1992 Last Modified: 31st December 2003 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NE (E)	904	2	494200 398800
	Local Authority Landfill Coverage Name: North Lincolnshire Unitary Council - Has no landfill data to supply		0	3	493285 398799
78	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1976	A14NE (E)	829	-	494122 398895
79	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1976	A14NE (E)	965	-	494260 398852
80	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A18NE (N)	990	-	493592 399760



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: North Lincolnshire Waste Services Ltd Licence Reference: E 20 Site Location: Kirton In Lindsey H.W.D. Site, Redbourne Mere, Kirton In Lindsey, Gainsborough, Lincolnshire Operator Location: Lancashire House, 24 Winckley Square, PRESTON, Lancashire, PR1 3JJ Authority: Environment Agency - Anglian Region, Northern Area Site Category: Civic Amenity Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 7th December 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Household/Civic Amenity Waste Max.Waste Permitted By Licence Non-Haz. Ind./Com. Waste Prohibited Waste: Poisonous, Noxious, Polluting Wastes</p>	A14NE (E)	884	2	494180 398850
81	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Humberside C.C. Licence Reference: 55/24/ 2 Site Location: Redbourne Mere, Kirton In Lindsey, Gainsborough, Lincolnshire Operator Location: As Site Address Authority: Environment Agency - Anglian Region, Northern Area Site Category: Civic Amenity Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st September 1979 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Civic Amenity/Refuse Amenity Waste Prohibited Waste: Com. + Ind. Waste Liquid/Sludge Wastes</p>	A14NE (E)	904	2	494200 398850
82	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: M Barnard t/a Kirton Bus/Coach Dismant. Licence Reference: F 085 Site Location: North Cliff Road, Kirton In Lindsey, GAINSBOROUGH, Lincolnshire, DN21 4NJ Operator Location: As Site Address Authority: Environment Agency - Anglian Region, Northern Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 2nd May 1996 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence Scrap Vehicles Prohibited Waste: Special Waste - Except Normal Part Veh Waste N.O.S.</p>	A14NW (E)	618	2	493900 398950



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lias Group	A13NW (SW)	0	1	493285 398799
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (E)	0	1	493291 398799
	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 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (SW)	0	1	493285 398799
	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 - 30 mg/kg Concentration:	A13SE (E)	156	1	493449 398781
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (NE)	253	1	493494 398974
	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:	A13NW (NW)	280	1	493054 398981
	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:	A13NE (NE)	286	1	493516 399000



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 Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	287	1	493059 399000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 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	A14SW (E)	373	1	493666 398769
	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 - 30 mg/kg	A12NE (NW)	395	1	492920 398977
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NE)	452	1	493709 399000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NE)	482	1	493741 399000
	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: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (E)	515	1	493777 399000



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 Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NW (W)	703	1	492591 398947
	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	A18NW (N)	768	1	492996 399531
	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 - 30 mg/kg	A18NW (N)	768	1	492997 399532
	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: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A18NW (N)	787	1	493110 399587
	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 - 30 mg/kg	A17NE (NW)	826	1	492930 399566
	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: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A18NW (N)	901	1	493231 399718



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 Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NW (W)	938	1	492343 398888
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 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	A17SW (W)	982	1	492359 399153
	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 - 30 mg/kg	A12NW (W)	992	1	492341 399131
	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: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NE (NW)	996	1	492880 399729
	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	A18NE (N)	1000	1	493498 399795
83	BGS Recorded Mineral Sites Site Name: Kirton Grange Location: Kirton In Lindsey, Brigg, North Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 121715 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Kirton Cementstone Beds Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	902	1	494192 398925
	BGS Measured Urban Soil Chemistry No data available				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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 Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	156	1	493449 398781
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	493285 398799
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	493285 398799
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	493285 398799
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	493285 398799
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	493285 398799
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	493291 398799
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	493285 398799
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	493285 398799
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	493285 398799



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	Contemporary Trade Directory Entries Name: Lumb'S Catering Equipment Location: 5, Windmill Way, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4FE Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	312	-	493591 398918
85	Contemporary Trade Directory Entries Name: Knights Location: 11, King Edward Street, Kirton Lindsey, Gainsborough, DN21 4NF Classification: Radio Communication Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	421	-	493706 398715
86	Contemporary Trade Directory Entries Name: Goodsir Commercial Engineers Location: Station Road, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4BD Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	451	-	493194 399261
86	Contemporary Trade Directory Entries Name: Carl Brumpton Location: Unit 1A, Station Rd, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4BD Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	469	-	493229 399284
86	Contemporary Trade Directory Entries Name: Barnards Coaches Ltd Location: Station Road, Kirton Lindsey, Gainsborough, DN21 4BD Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	474	-	493191 399284
87	Contemporary Trade Directory Entries Name: Ovenu Lincs Location: 40, High Street, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4LX Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	464	-	493719 398610
87	Contemporary Trade Directory Entries Name: Kirton Pottery Location: 36, High Street, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4LX Classification: Ceramic Manufacturers, Supplies & Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	465	-	493724 398621
88	Contemporary Trade Directory Entries Name: Craggs Plumbing Ltd Location: 2, Sylvester Street, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4NG Classification: Heating Services - Industrial and Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	541	-	493833 398744
89	Contemporary Trade Directory Entries Name: Amvale Ltd Location: North Cliff Rd, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4NJ Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	571	-	493866 398846
90	Contemporary Trade Directory Entries Name: Hemswell Surfacing Ltd Location: 33, South Cliff Road, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4NR Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	580	-	493792 398494
91	Contemporary Trade Directory Entries Name: Glare UK Location: Station Approach, Station Road, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4BD Classification: T-Shirts Status: Active Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	641	-	493278 399459



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	Contemporary Trade Directory Entries Name: G G Steel Location: Station Road, Kirton Lindsey, GAINSBOROUGH, Lincolnshire, DN21 4BD Classification: Car Customisation & Conversion Specialists Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	641	-	493278 399459
92	Contemporary Trade Directory Entries Name: Lindsey Cars Location: 3, North Cliff Road, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4NJ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	643	-	493934 398896
93	Contemporary Trade Directory Entries Name: Anne Wild Design Ltd Location: 32, South Cliff Road, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4NR Classification: Stationery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	644	-	493847 398460
94	Contemporary Trade Directory Entries Name: T Goodsir Location: Unit 2a Station Road, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4BD Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	646	-	493350 399461
95	Contemporary Trade Directory Entries Name: Fadcjarite Location: Redbourne Mere, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4NN Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	676	-	493972 398790
96	Contemporary Trade Directory Entries Name: Barnard Recovery Service Location: North Cliff Rd, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4NJ Classification: Commercial Vehicle Breakdown & Recovery Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NE (E)	678	-	493963 398938
97	Contemporary Trade Directory Entries Name: Parkside Services Location: 41-43, South Cliff Road, Kirton Lindsey, Gainsborough, DN21 4DX Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	705	-	493835 398336
97	Contemporary Trade Directory Entries Name: Parkside Services Location: 41-43, South Cliff Road, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4DX Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	726	-	493855 398326
98	Contemporary Trade Directory Entries Name: Avant Garde Body Repair Services Location: Avant Garde, Redbourne Mere, Kirton in Lindsey, DN21 4NN Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	710	-	494005 398859
99	Contemporary Trade Directory Entries Name: L J Trevor Haulage Ltd Location: Hameln, Cornwall Street, Kirton Lindsey, Gainsborough, DN21 4EH Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	714	-	493464 398087
100	Contemporary Trade Directory Entries Name: Hi Jean Clean Location: 26, Dunstan Villas, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4DL Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	754	-	493734 398172



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	Contemporary Trade Directory Entries Name: Climate Control Ltd Location: Redbourne Mere, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4NN Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	763	-	494059 398820
101	Contemporary Trade Directory Entries Name: Novatec Location: Redbourne Mere, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4NW Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	763	-	494059 398820
101	Contemporary Trade Directory Entries Name: Cfsp Services Ltd Location: Redbourne Mere, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4NW Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	763	-	494059 398820
102	Contemporary Trade Directory Entries Name: The Kirton Car Yard Location: Station House, Station Road, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4BD Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	844	-	493432 399649
102	Contemporary Trade Directory Entries Name: Gallant Location: Station House, Station Road, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4BD Classification: Furniture - Repairing & Restoring Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	844	-	493432 399649
102	Contemporary Trade Directory Entries Name: Freightmaster Ltd Location: Station Yard, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4BD Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	846	-	493473 399643
103	Contemporary Trade Directory Entries Name: W J Harrison Haulage Ltd Location: Ashlyn, Grayingham Road, Kirton Lindsey, Gainsborough, DN21 4EL Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	889	-	493492 397914
104	Contemporary Trade Directory Entries Name: Countrywide Leisure Ltd Location: Station Rd, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4JR Classification: Caravan Dealers & Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	893	-	493184 399706
104	Contemporary Trade Directory Entries Name: Construction Metal Products Ltd Location: Cleatham rd, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4JR Classification: Sheet Metal Work Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	929	-	493180 399742
105	Contemporary Trade Directory Entries Name: Olivers Agricultural Location: Station Farm, Station Road, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4BD Classification: Agricultural Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	896	-	493490 399690
105	Contemporary Trade Directory Entries Name: United Parts Location: Station Farm, Station Road, Kirton Lindsey, GAINSBOROUGH, Lincolnshire, DN21 4BD Classification: Plant & Machinery Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	903	-	493519 399691



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	Contemporary Trade Directory Entries Name: Scrub It Location: 84a, South Cliff Road, Kirton Lindsey, Gainsborough, DN21 4HU Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	947	-	494034 398197
107	Fuel Station Entries Name: Parkside Services Location: Southcliffe Road , , Kirton In Lindsey, North Lincolnshire, DN21 4DX Brand: Rix Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A9NW (SE)	726	-	493855 398326
108	Points of Interest - Commercial Services Name: Barnards Location: Station Road, Kirton Lindsey, Gainsborough, DN21 4BD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (N)	473	6	493192 399283
109	Points of Interest - Commercial Services Name: Kirton Commercials Location: North Cliff Road, Kirton Lindsey, Gainsborough, DN21 4NJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NW (E)	637	6	493922 398935
110	Points of Interest - Commercial Services Name: Freightmaster Location: Station Yard, Station Approach, Kirton Lindsey, Gainsborough, Lincolnshire, DN21 4BD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SE (N)	645	6	493350 399460
110	Points of Interest - Commercial Services Name: Scrap Yard Location: DN21 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A18NE (N)	672	6	493367 399485
110	Points of Interest - Commercial Services Name: Scrap Yard Location: Not Supplied Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	682	6	493374 399494
111	Points of Interest - Commercial Services Name: Avant Garde Body Repair Services Location: Avant Garde, Redbourne Mere, Kirton In Lindsey, DN21 4NN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	710	6	494005 398859
111	Points of Interest - Commercial Services Name: Cfsp Services Ltd Location: Redbourne Mere, Kirton Lindsey, Gainsborough, DN21 4NW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NE (E)	762	6	494058 398820
111	Points of Interest - Commercial Services Name: Cfsp Services Ltd Location: Redbourne Mere, Kirton Lindsey, Gainsborough, DN21 4NW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NE (E)	763	6	494059 398820
112	Points of Interest - Commercial Services Name: L J Trevor Haulage Ltd Location: Hamelin, Cornwall Street, Kirton Lindsey, Gainsborough, DN21 4EH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	714	6	493464 398087



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	Points of Interest - Commercial Services Name: Parkside Services Location: 41-43 South Cliff Road, Kirton Lindsey, Gainsborough, DN21 4DX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	726	6	493854 398326
114	Points of Interest - Commercial Services Name: Freightmaster Ltd Location: Station Yard, Kirton Lindsey, Gainsborough, DN21 4BD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	846	6	493473 399643
115	Points of Interest - Commercial Services Name: W J Harrison Haulage Ltd Location: Ashlyn, Grayingham Road, Kirton Lindsey, Gainsborough, DN21 4EL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	889	6	493492 397914
115	Points of Interest - Commercial Services Name: W J Harrison Location: Ashlyn, Grayingham Road, Kirton Lindsey, Gainsborough, DN21 4EL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	894	6	493498 397911
116	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	A8NW (SW)	471	6	493021 398385
116	Points of Interest - Manufacturing and Production Name: Works Location: DN21 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	495	6	492982 398382
117	Points of Interest - Manufacturing and Production Name: Tanks Location: DN21 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	531	6	493239 399348
118	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	A14NW (E)	632	6	493921 398912
119	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	A14NE (E)	693	6	493989 398845
119	Points of Interest - Manufacturing and Production Name: Works Location: DN21 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	693	6	493989 398845
120	Points of Interest - Manufacturing and Production Name: Works Location: DN21 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	821	6	493313 399639
120	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	A18NE (N)	822	6	493316 399640



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	Points of Interest - Manufacturing and Production Name: A M G Pickering Location: Colt House, Ings Road, Kirton Lindsey, Gainsborough, DN21 4BX Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A12NW (W)	938	6	492364 399011
121	Points of Interest - Manufacturing and Production Name: A M G Pickering Location: Colt House, Ings Road, Kirton Lindsey, Gainsborough, DN21 4BX Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A12NW (W)	938	6	492364 399011
122	Points of Interest - Manufacturing and Production Name: D R Jacques & Son Location: 86 South Cliff Road, Kirton Lindsey, Gainsborough, DN21 4HU Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A9NE (SE)	992	6	494052 398148
122	Points of Interest - Manufacturing and Production Name: D R Jacques & Son Location: 86 South Cliff Road, Kirton Lindsey, Gainsborough, DN21 4HU Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A9NE (SE)	992	6	494052 398147
123	Points of Interest - Public Infrastructure Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	136	6	493216 398659
123	Points of Interest - Public Infrastructure Name: Cemetery Location: DN21 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	136	6	493216 398659
124	Points of Interest - Public Infrastructure Name: Sewage Works Location: DN21 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A8NW (SW)	473	6	492991 398403
125	Points of Interest - Public Infrastructure Name: Kirton in Lindsey Fire Station Location: Fire Station 6, West Cross Street, Kirton Lindsey, Gainsborough, DN21 4DN Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	521	6	493565 398338
126	Points of Interest - Public Infrastructure Name: Bus Depot Location: DN21 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	664	6	493951 398924
127	Points of Interest - Public Infrastructure Name: Parkside Services Location: 41-43 South Cliff Road, Kirton Lindsey, Gainsborough, DN21 4DX Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NW (SE)	726	6	493855 398326
127	Points of Interest - Public Infrastructure Name: Parkside Services Location: 41-43 South Cliff Road, Kirton Lindsey, Gainsborough, DN21 4DX Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NW (SE)	726	6	493855 398326
128	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: DN21 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	829	6	494125 398825



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	Points of Interest - Public Infrastructure Name: Kirton Lindsey Rail Station Location: DN21 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A18NE (N)	843	6	493431 399648
129	Points of Interest - Public Infrastructure Name: Kirton Lindsey Station Location: Nr Cleatham Road, DN21 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A18NE (N)	843	6	493431 399648
130	Points of Interest - Public Infrastructure Name: Police Kirton Lindsey Humberside Police Sub Stations Location: Police Station, South Cliff Road, Kirton Lindsey, Gainsborough, DN21 4HU Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A9NE (SE)	930	6	494020 398207
131	Points of Interest - Recreational and Environmental Name: Playground Location: King Edward Street, DN21 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14NW (E)	466	6	493762 398799



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	Nitrate Vulnerable Zones Name: River Eau From Kirton Lindsey Trib To R Trent Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (SW)	0	4	493285 398799
133	Nitrate Vulnerable Zones Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	A13SE (E)	297	4	493585 398741
134	Nitrate Vulnerable Zones Name: Ancholme From Bishopbridge To The Humber Nvz Description: Surface Water Source: Environment Agency, Head Office	A14SW (E)	584	4	493870 398710



Data Currency

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices North Lincolnshire Council - Environmental Protection Team West Lindsey District Council - Environmental Health Department	February 2013 January 2015	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region Environment Agency - Midlands Region	October 2018 October 2018	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	October 2018	Quarterly
Local Authority Integrated Pollution Prevention And Control North Lincolnshire Council - Environmental Protection Team West Lindsey District Council - Environmental Health Department	March 2015 November 2014	Variable Variable
Local Authority Pollution Prevention and Controls North Lincolnshire Council - Environmental Protection Team West Lindsey District Council - Environmental Health Department	March 2015 November 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Lincolnshire Council - Environmental Protection Team West Lindsey District Council - Environmental Health Department	March 2015 November 2014	Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region Environment Agency - Anglian Region	December 1999 September 1999	Not Applicable Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Anglian Region	January 2015	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	October 2018	Quarterly
Water Abstractions Environment Agency - Anglian Region Environment Agency - Midlands Region	October 2018 October 2018	Quarterly Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually



Data Currency

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	January 2018	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2018	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2018	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2018	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2018	Quarterly
Flood Defences Environment Agency - Head Office	August 2018	Quarterly
OS Water Network Lines Ordnance Survey	October 2018	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually



Data Currency

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	July 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	July 2018	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	October 2018	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Lincolnshire Council - Environmental Protection Team West Lindsey District Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Lincolnshire Council - Environmental Protection Team West Lindsey District Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements West Lindsey District Council Lincolnshire County Council - Highways and Planning Department North Lincolnshire Council - Planning Department	February 2016 June 2010 October 2015	Variable Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department West Lindsey District Council North Lincolnshire Council - Planning Department	August 2007 February 2016 October 2015	Variable Variable Variable



Data Currency

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2018	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	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	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	November 2018	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2018	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	September 2018	Quarterly
Points of Interest - Education and Health PointX	September 2018	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2018	Quarterly
Points of Interest - Public Infrastructure PointX	September 2018	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2018	Quarterly
Underground Electrical Cables National Grid	December 2015	



Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	August 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	August 2018	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	August 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	August 2018	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2018	Bi-Annually
Special Areas of Conservation Natural England	August 2018	Bi-Annually
Special Protection Areas Natural England	August 2018	Bi-Annually



Data Suppliers

A selection of organisations who provide data within this report

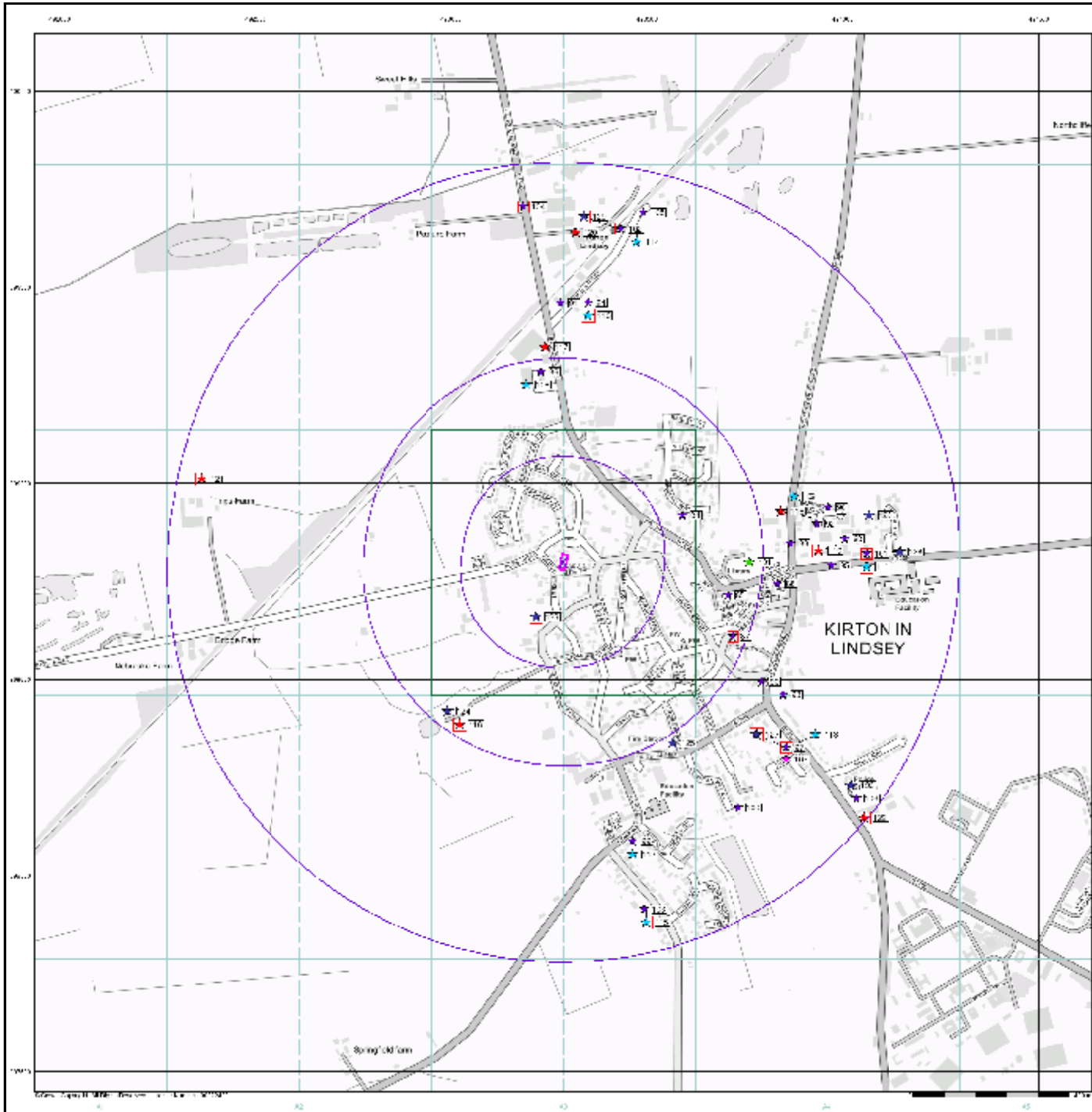
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey <small>NATIONAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATIONAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	



Useful Contacts

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	North Lincolnshire Council - Environmental Protection Team Church Square House, PO Box 42, Scunthorpe, Lincolnshire, DN15 6XQ	Telephone: 01724 296296 Fax: 01724 280271 Website: www.northlincs.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	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.



Industrial Land Use Map

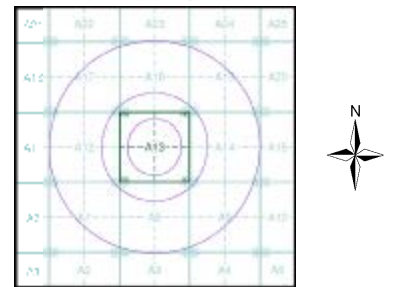
General

- Planning Use
- Land
- Greenfield
- Employment
- Other

Industrial Land Use

- Core Employment District
- Industrial
- Other
- Employment
- Industrial
- Industrial
- Industrial
- Industrial
- Industrial
- Industrial
- Industrial
- Industrial
- Industrial
- Industrial
- Industrial
- Industrial

Industrial Land Use Map - Slice A



Order Details

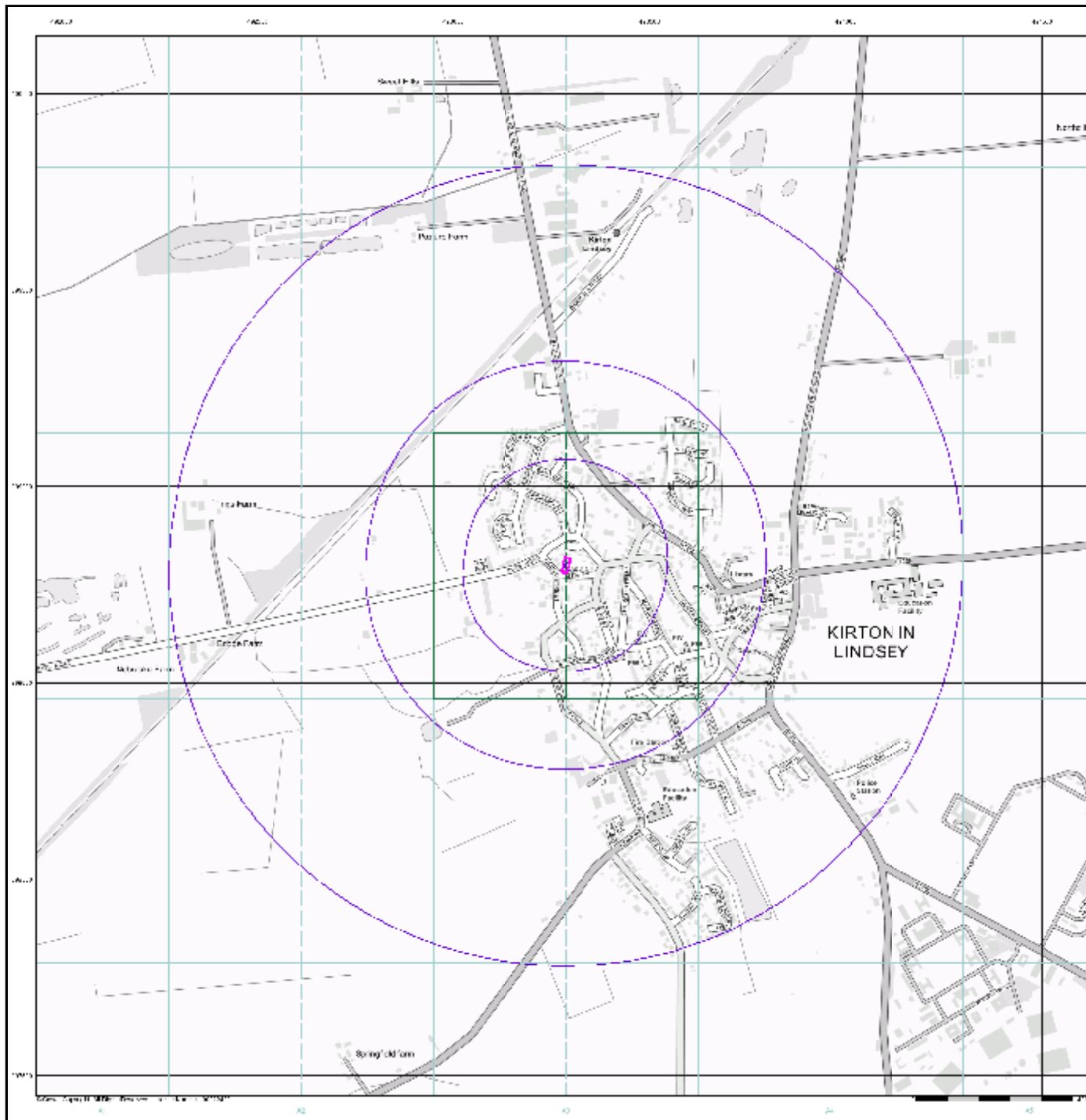
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 Search Buffer (m): 1000

Site Details

9a, Darwin Street, Kirton Lindsey, GAINSBOROUGH, DN21 4BZ

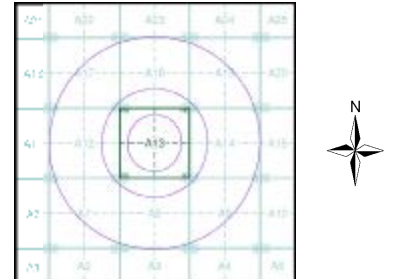


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 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



- General**
- Low Water
 - Low Water
 - ✕ Design Boundary
- Agency and Hydrological (Flood)**
- Eastern Fluvial from River Great Ouse (Zone 2)
 - Eastern Fluvial from River Great Ouse (Zone 1)
 - ▨ Non-Designated Flood Defence
 - Flood Water Storage Areas
 - Flood Defence

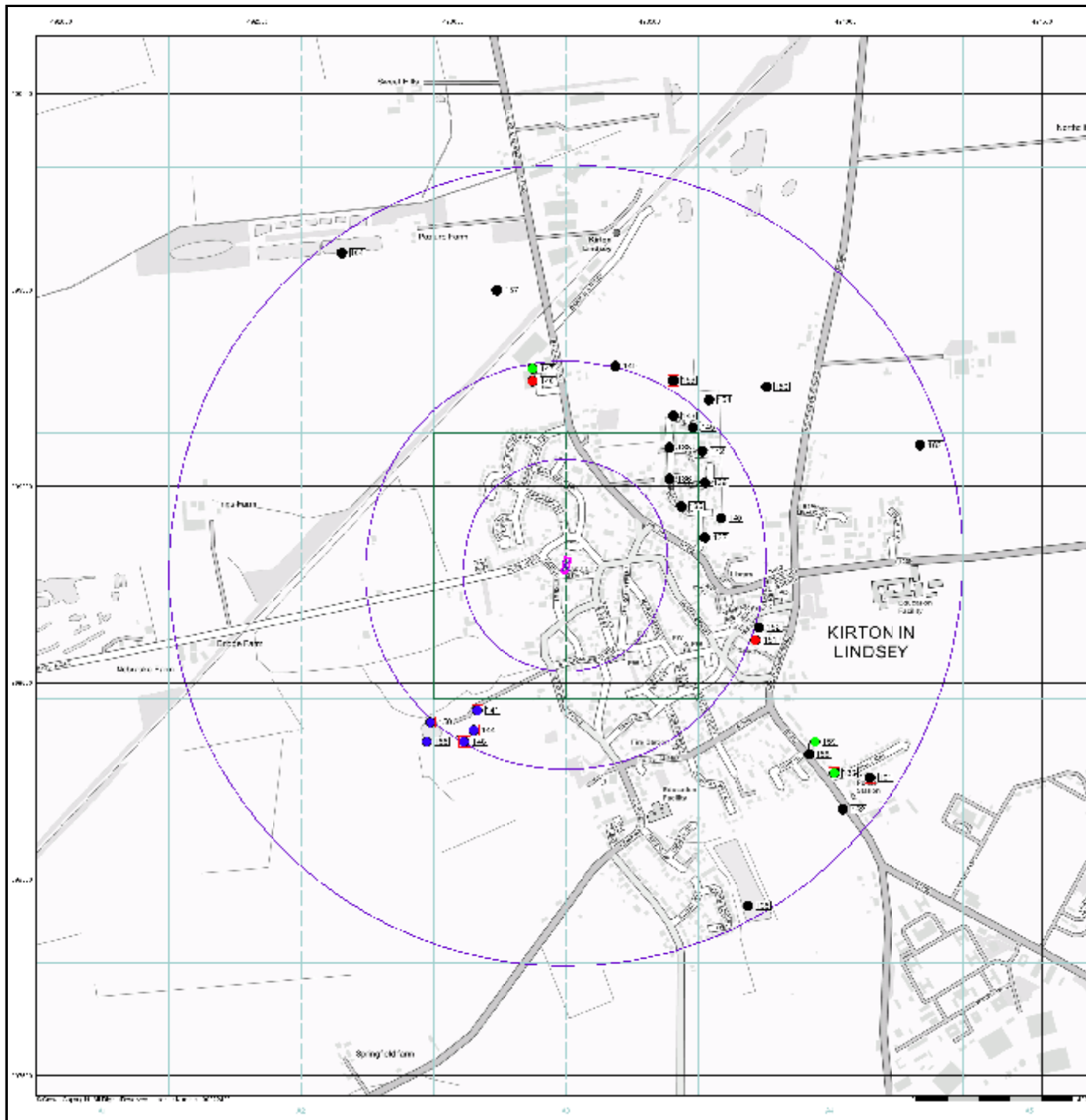
Flood Map - Slice A



Order Details

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 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
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 Search Buffer (m): 1000

Site Details
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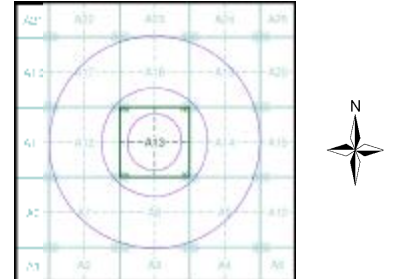
- General**
- Low Risk
 - Low Risk
 - ✕ High Risk
 - 3 High Risk
 - Summary Location

- Agency and Hydrological (Boreholes)**
- BGS Borehole
 - Other Borehole
 - Other Borehole
 - Other Borehole
 - Other

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

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

Borehole Map - Slice A



Order Details

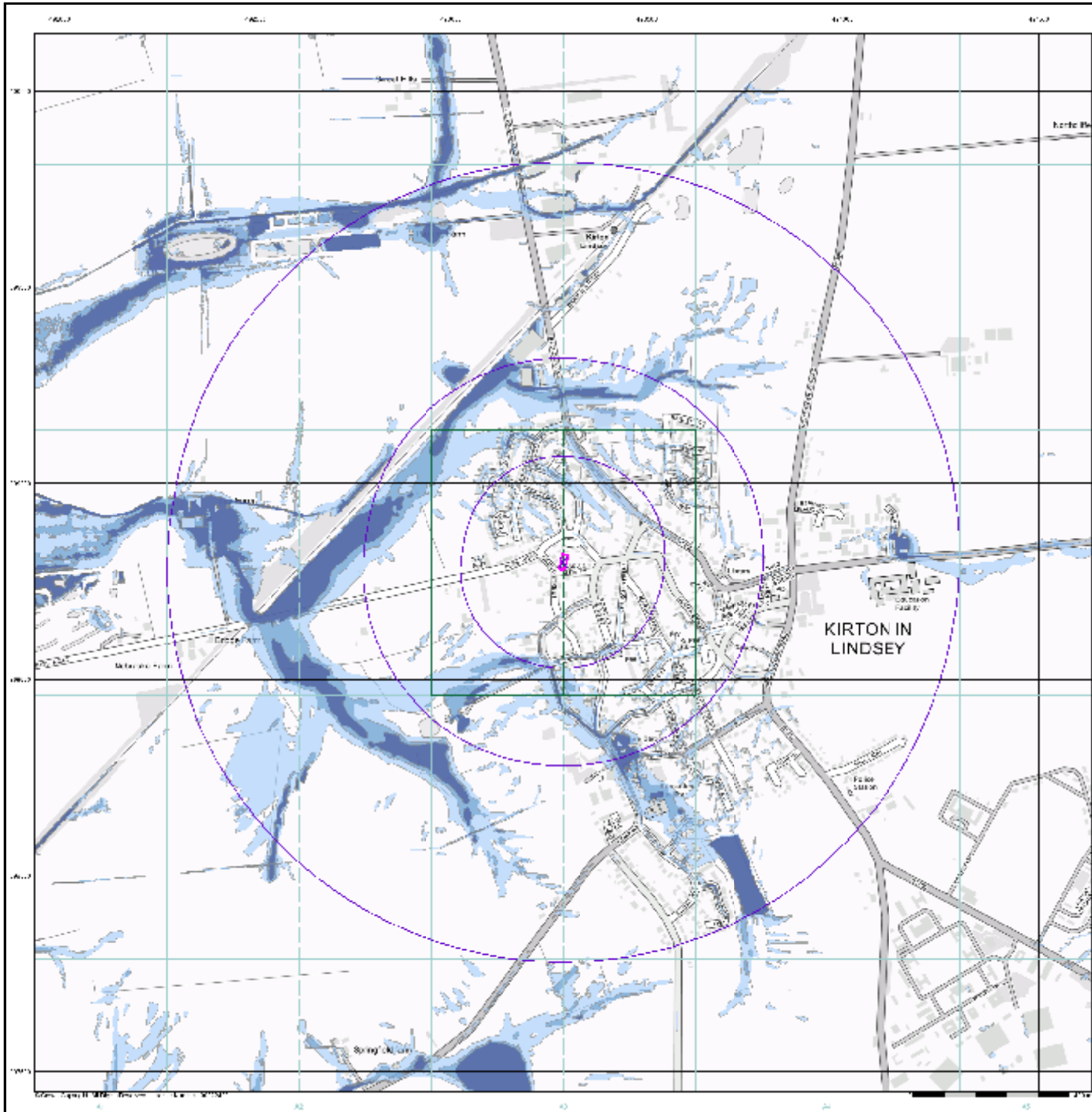
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 National Grid Reference: 493290, 398800
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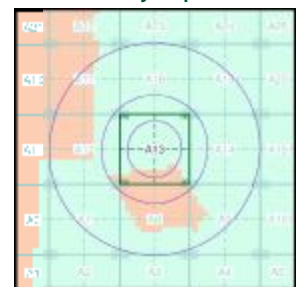


- General**
- ☆ Low Risk Site
 - Low Risk Zone
 - ✕ Designated Water

- Risk of Flooding from Surface Water**
- 1:100 Year Flood
 - 1:200 Year Flood
 - 1:1000 Year Flood

- Suitability**
- Very Suitable
 - Suitable
 - Fairly Suitable
 - Fairly Unsuitable
 - Unsuitable
 - Primary

EANRW Suitability Map - Slice A



Order Details

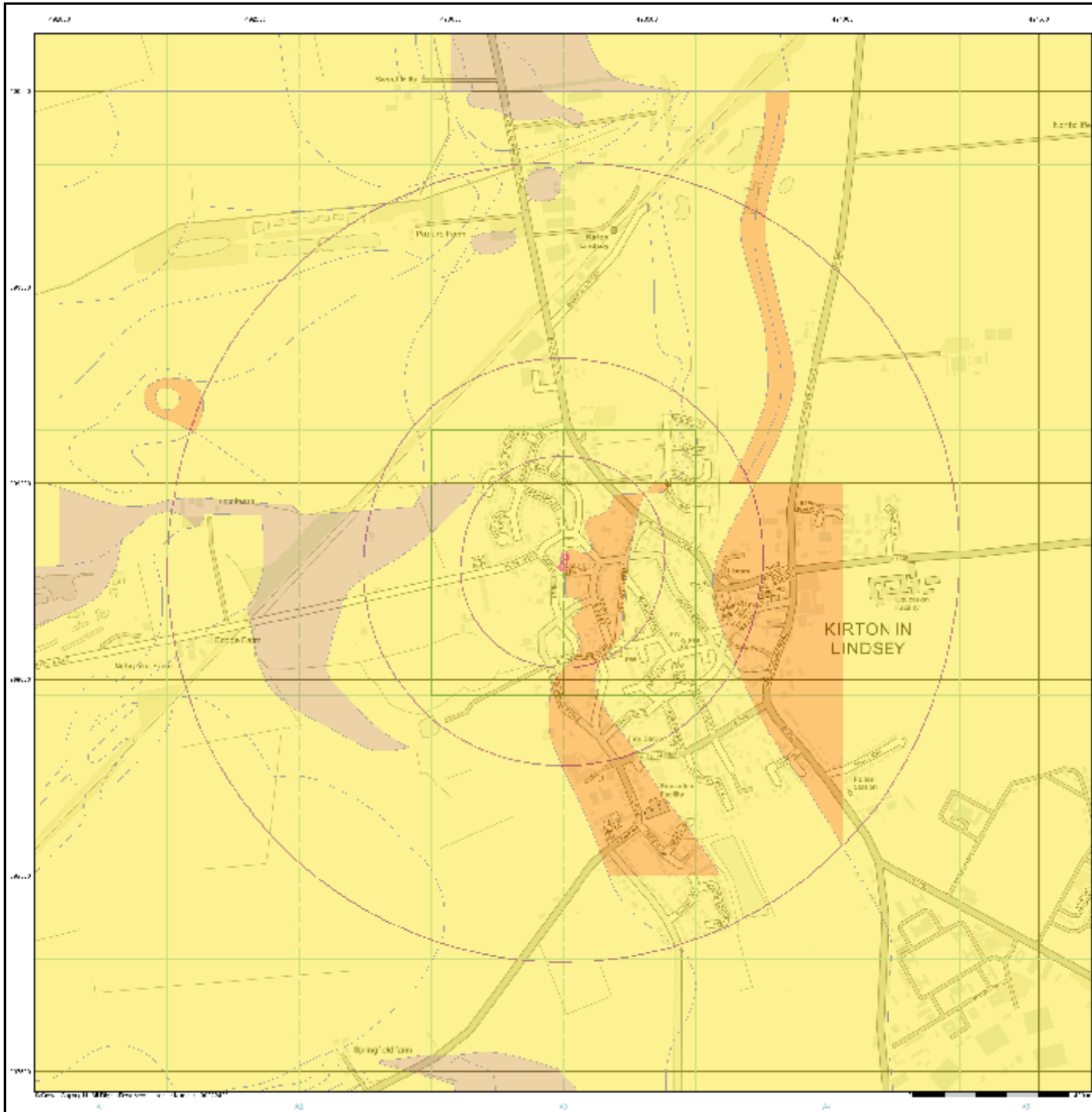
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 Slice: A
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 Search Buffer (m): 1000

Site Details

9a, Darwin Street, Kirton Lindsey, GAINSBOROUGH, DN21 4BZ

Landmark
 INFORMATION GROUP

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

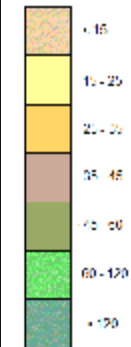


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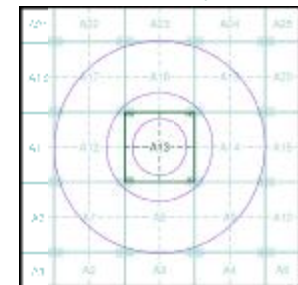
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 ● 4084247
 X 4084248

Estimated Soil Chemistry Arsenic

Arsenic Concentration mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

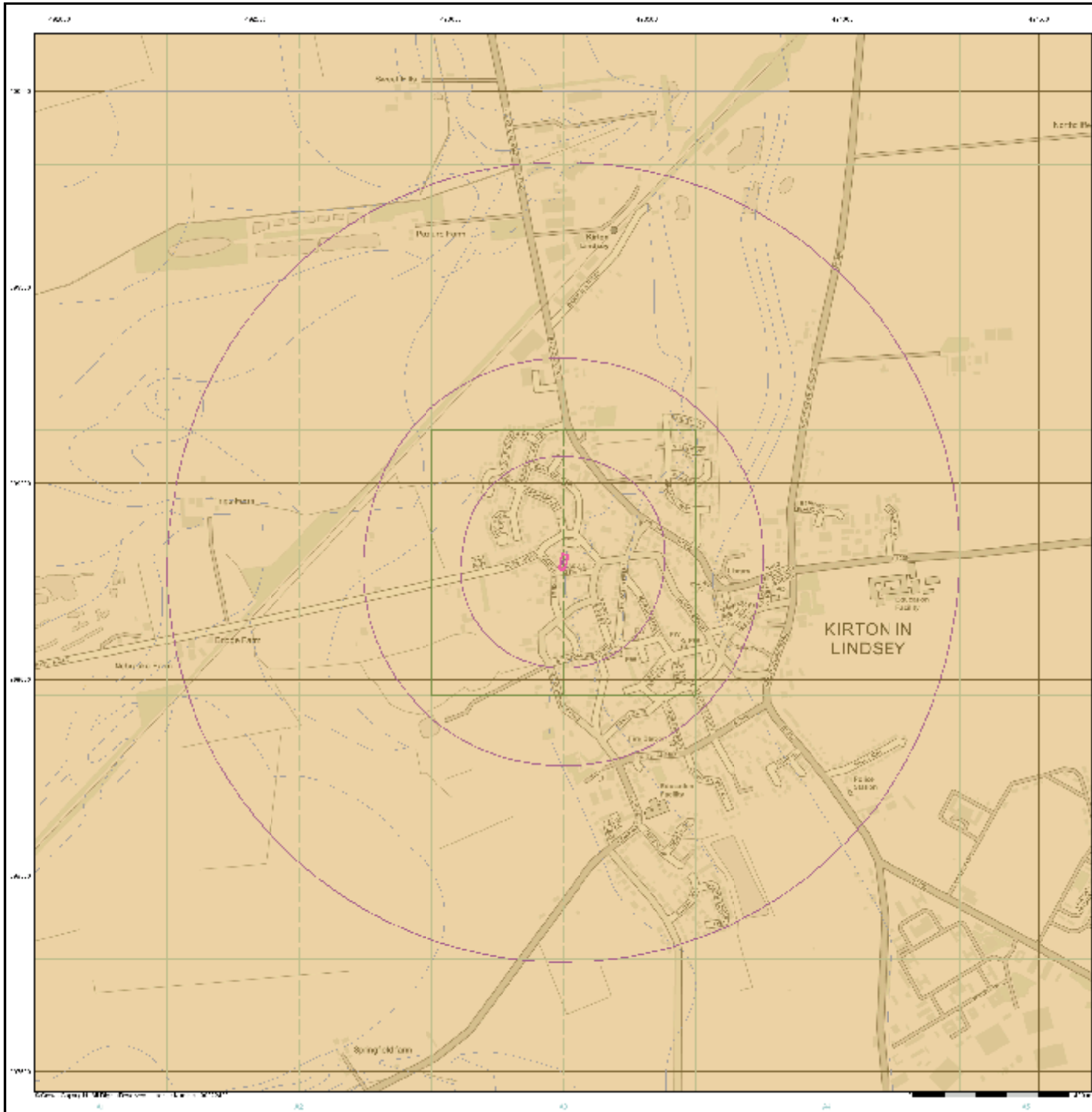
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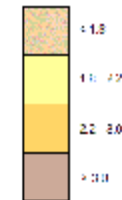


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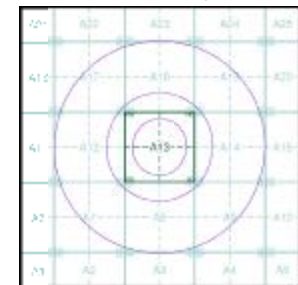
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 ✕ 4084208

Estimated Soil Chemistry Cadmium

Estimated Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

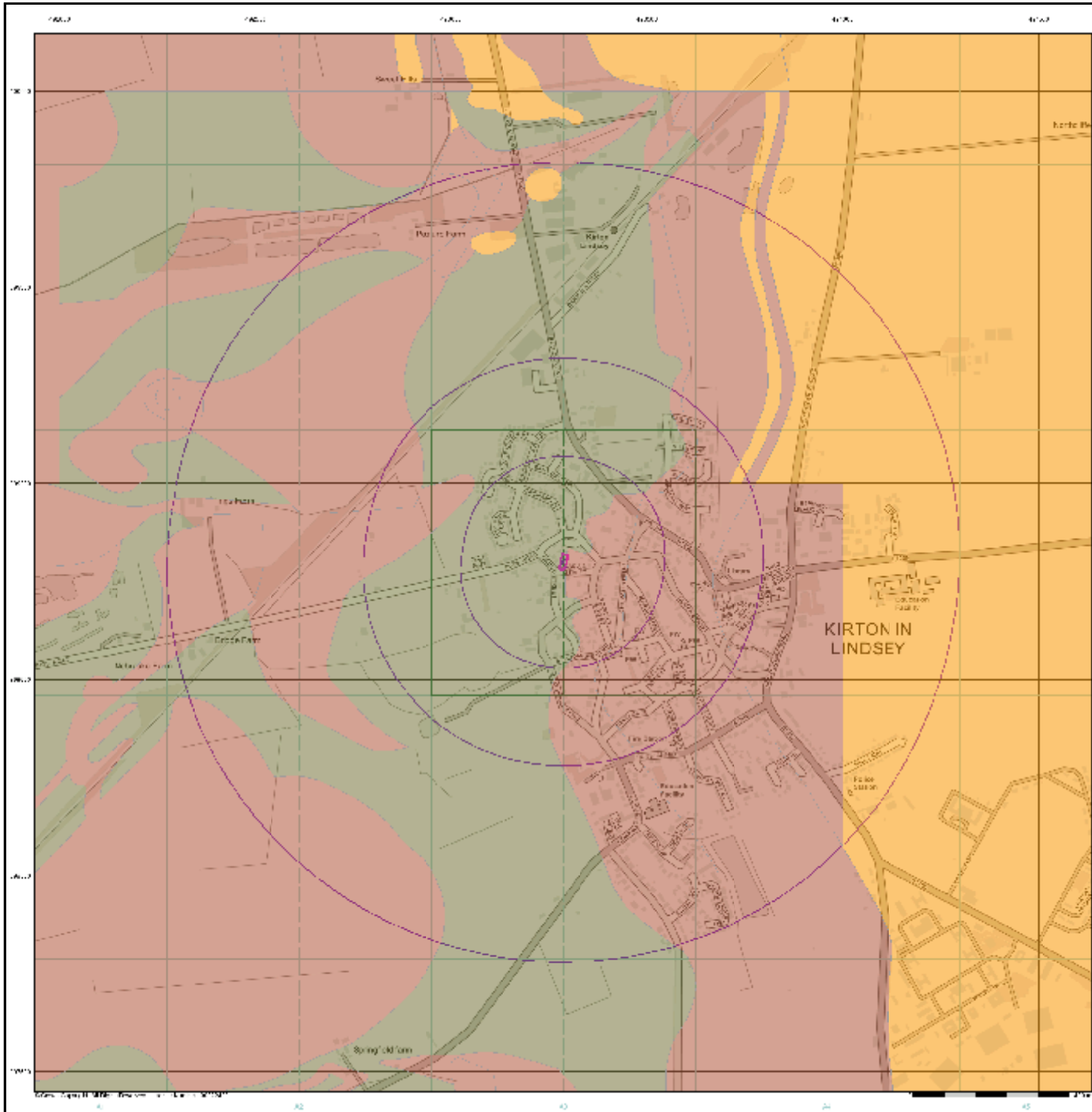
Order Details: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
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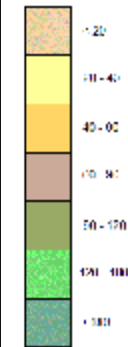


General

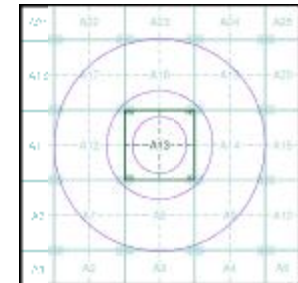
X 4084246
 X 4084246
 X 4084246

Estimated Soil Chemistry Chromium

Chromium Concentration (mg/kg)



Estimated Soil Chemistry Chromium - Slice A



Order Details

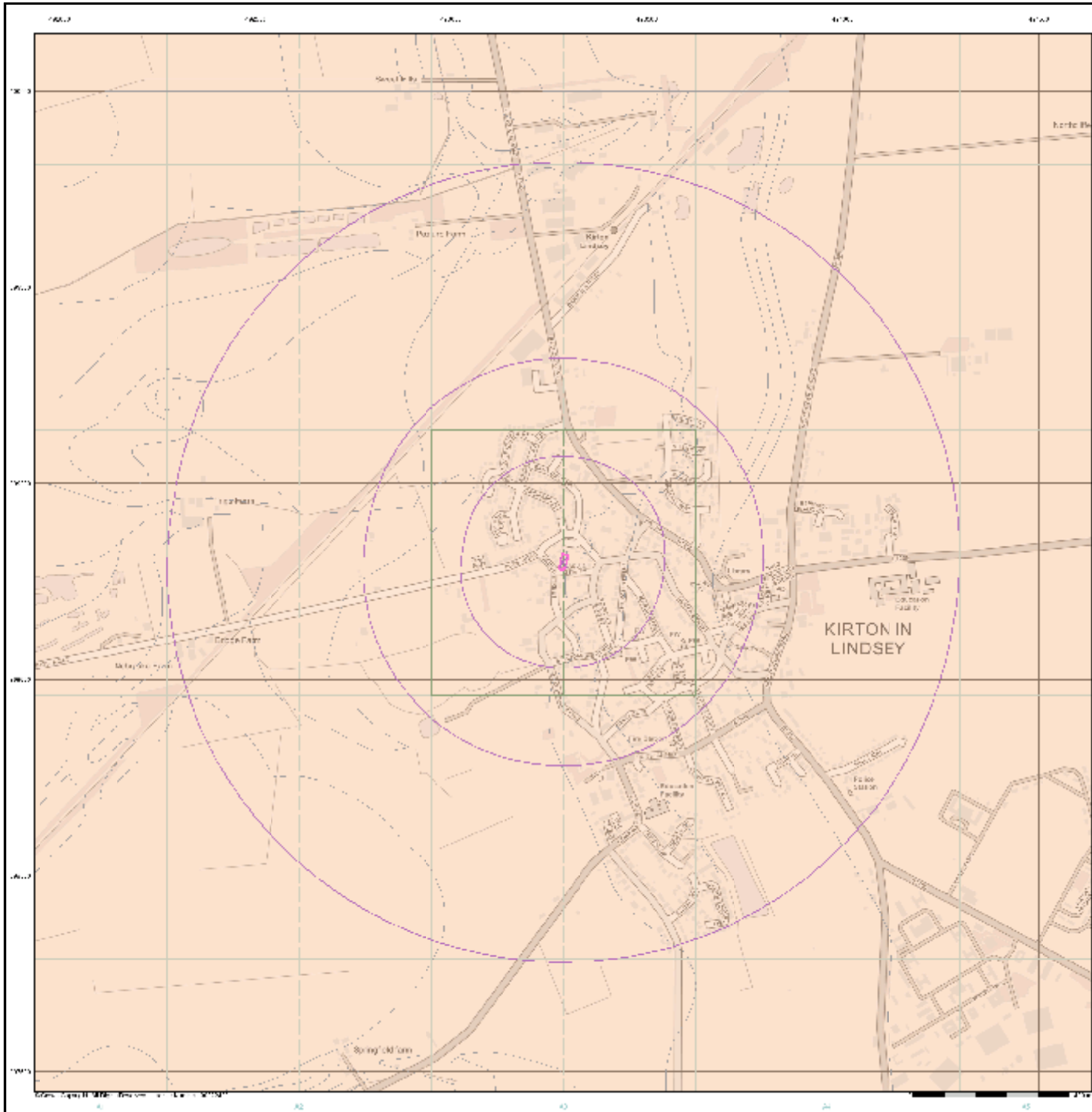
Order Details: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
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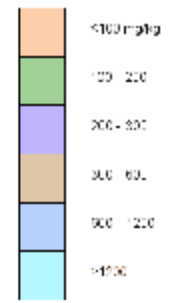


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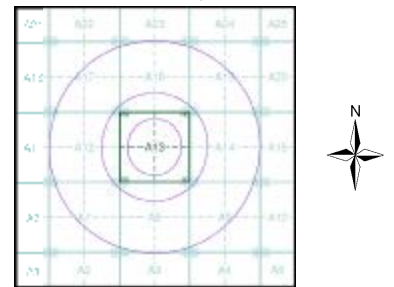
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- Search Buffer 300m

Estimated Soil Chemistry Lead

Total Concentration (mg/kg)



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

9a, Darwin Street, Kirton Lindsey, GAINSBOROUGH, DN21 4BZ



Tel: 0844 844 9952
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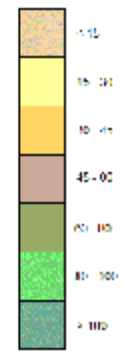


General

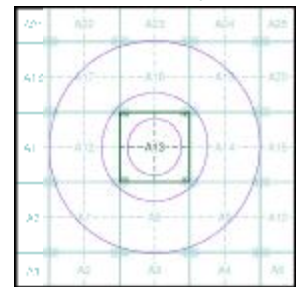
- (Pink dot) SITE LOCATION
- (Purple circle) 10m BUFFER
- (Blue circle) 20m BUFFER
- (Green circle) 30m BUFFER
- (Orange circle) 40m BUFFER
- (Red circle) 50m BUFFER
- (Black circle) 100m BUFFER

Estimated Soil Chemistry Nickel

Nickel Concentration mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 191150112_1_1
 Customer Ref: MG15119
 National Grid Reference: 493290, 398800
 Slice: A
 Site Area (Ha): 0.06
 Search Buffer (m): 1000

Site Details

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