

CONTAMINATED LAND RISK ASSESSMENT

PHASE 1 DESK TOP STUDY– PRELIMINARY RISK ASSESSMENT

UK Partnership Homes Ltd

**Land off Ivy Close
Willington**



Our Ref: SES/UKP/IC/1#1

Date: 16th January 2019

Client:

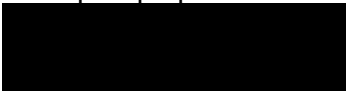
UK Partnership Homes Ltd
50 Friar Gate
Derby
DE1 1DF

CONTAMINATED LAND RISK ASSESSMENT

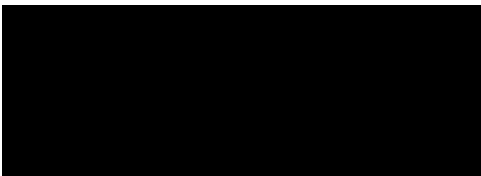
PHASE 1 DESK TOP STUDY– PRELIMINARY RISK ASSESSMENT

Land off Ivy Close Willington

A report prepared on behalf of ***Soil Environment Services*** by:


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Managing Director

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EXECUTIVE SUMMARY

Current site conditions	A grassed area of land with trees occupies the site.
Proposal	The proposal is for residential development. No planning application was available for viewing at the time of report completion.
Adjacent site conditions	A depot bounds the site to the north, with residential dwellings to the north-east, parking garages to the south-east, a railway to the south and a canal to the west.
Site history	Part of a rail track was mapped on the north-east of the site from pre-1880-1937.
Geology	Holme Pierrepont Sand and Gravel Member - Sand and Gravel over Gunthorpe Member – Mudstone.
Hydrogeology	The site is on a variably permeable Secondary A Superficial and Secondary B Bedrock aquifer and is not in a groundwater source protection zone.
Hydrology	Surface water flow could possibly find a route via surface water drains and channels to the east and south leading to the drain 4 m east of the site and to the ponds south of the site.
Potential sources and contaminants	Potential sources in the form of metals and hydrocarbons are considered to possibly exist on the site from on and off-site activities. A risk from ground gases is also possible.
Conclusions	Plausible pollutant linkages and significant uncertainties are considered to exist from on and off-site sources. A moderate risk is evident and therefore an intrusive investigation is considered to be needed.

1. INTRODUCTION AND OBJECTIVES

1.1 Introduction

The purpose of this assessment is to examine specifically the current and potential risks to human, ecological and ground and surface water receptors associated with possible contamination of the ground at the site located at:

Land off Ivy Close
Willington
DE65 6BS

OS Grid Ref: 429040, 328270

The proposal is for residential development. No planning application was available for viewing at the time of report completion.

1.2 Objectives

The primary objective of this risk assessment is to assess potential contamination sources, the pathways which these could possibly take through the environment and then the effects on likely receptors. A preliminary Conceptual Site Model (CSM) has been developed and evaluation of the risks is given. Subsequently, if needed, recommendations are made with regard to further (Phase 2) investigation and/or remediation.

2. SITE CHARACTERISATION

2.1 Current setting and condition (Drawing 1)

The site assessed for this investigation comprises 1.05 ha of land located off Ivy Close, Willington. A depot bounds the site to the north, with residential dwellings to the north-east, parking garages to the south-east, a railway to the south and a canal to the west (Photo 1). A grassed area of land with trees occupies the site (Photos 1 & 2). The topography of the site and surrounding land slopes down to the south-east.

PHOTO 1 Aerial view



PHOTO 2 Google Streetview 2011– View from parking garages bounding east of site



2.2 Former investigations and consultations

No former investigations with regards to ground contamination appear to have been undertaken for the site.

2.3 Relevant planning history

No planning applications are evident for the site.

2.4 Site history (see Historical maps – Appendix A)

A chronological list of potential sources of contamination and significant features on and surrounding the site considered relevant to the proposed development are outlined below (Table 1).

TABLE 1 Significant features on the historical maps

Land use	Direction	Distance (m)	Notes
On-site			
Marshland (pre-1880-1937)	On-site	0	<i>centre and south-west of site</i>
Rail line (pre-1880-1937)	On-site	0	<i>north-east of site</i>
<i>No significant development appears to have occurred</i>	On-site	0	
Off site			
Rail line (pre-1880-current)	SE	1	
Canal (pre-1880-current)	NW	1	
Allotments (1901-1937)	W	35	
Corporation Yard/Depot (1970-current)	NE	1	
Ponds (1970-current)	SW	10	
Water (1970-1988)	E	34	
Bus Depot (1974-c.1988)	E	182	<i>residential by 1988</i>
Gravel pit (1974-recent)	S	21	

2.5 Soils, geology and hydrology

BGS maps indicate that the site is located on:

Superficial geology

1:50 000 scale superficial deposits description: Holme Pierrepont Sand and Gravel Member - Sand and Gravel. Superficial Deposits formed up to 3 million years ago in the Quaternary Period. Local environment previously dominated by rivers (U).

Bedrock geology

1:50 000 scale bedrock geology description: Gunthorpe Member - Mudstone. Sedimentary Bedrock formed approximately 237 to 247 million years ago in the Triassic Period. Local environment previously dominated by hot deserts.

A BGS listed borehole log mapped 125 m south-east and within the same strata as mapped for the site informs of medium dense sand and gravel to 2.4 m bgl over silty CLAY with gravel to 2.6 m bgl over silty CLAY with mudstone bands to 4.0 m bgl over SILTSTONE with clay to 6 m bgl. Groundwater was noted at 4 m bgl.

Hydrology

Flow to groundwater may occur through the soils to the aquifer at depth.

Surface water flow could possibly find a route via surface water drains and channels to the east and south leading to the drain 4 m east of the site and to the ponds south of the site.

The site is on a variably permeable Secondary A Superficial and Secondary B Bedrock aquifer and is not in a groundwater source protection zone.

2.6 Environmental data search

Environmental data (Appendix B) indicates the following:

- The site is located on a variably permeable Secondary A Superficial and Secondary B Bedrock aquifer.
- No Contaminated Land Register Entries and Notices within 1000 m.
- The property is in a lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). No radon protective measures are necessary in the construction of new dwellings or extensions.
- No fuel stations are mapped within 800 m.
- No contemporary trade directory entries are listed for the site or within 350 m radius.
- The Urban Soil Chemistry maps (Appendix B) indicate no elevated concentrations of soil metal concentrations with regards to the proposed development.
- Two pollution incidents within 250:
 1. 53 m east (1995). Pollutant: misc. Classed as a Category 3 incident: minor incident.
 2. 223 m north-west (1997). Pollutant: oils/diesel. Classed as a Category 3 incident: minor incident.
- One substantiated pollution incident 77 m north. Classed as a Category 4 incident to land (no impact).
- One historical landfill site 244 m south. Input dates December 1983-December 1997. Deposited waste included liquid sludge. See Figure 1 for location.
- One waste management site 40 m north-east. Licence surrendered 2011. Site category: household, commercial and industrial transfer station. See Figure 1 for location.
- One area of infilled land 30 m south-east (date of mapping: 1996). See Figure 1 for location.

-  Licensed Waste Management Facility
 EA Historic Landfill
 Potentially Infilled Land (Non-water)

3. INITIAL CONCEPTUAL SITE MODEL

The initial conceptual site model detailed here is by a written and tabular description of the sources, pathways and receptors. A cross section or diagram is only added if this will aid in understanding the conceptual site model.

Model summary

The site is situated on soils of a high leaching potential - deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential. Potential sources of contamination may be present from on and off-site sources. The future residential will be the main receptors on site.

3.1 Potential sources

A review of the historical maps (Appendix A) has identified that potential sources of contamination may have been generated on and off-site and plausible pathways to future residents may exist (Table 2).

TABLE 2 Possible source locations and potential contaminants

Land use	Direction	Distance (m)	Potential Contaminants
On-site			
Rail line (pre-1880-1937)	On-site	0	Metals, hydrocarbons
Off site			
Rail line (pre-1880-current)	SE	1	Metals, hydrocarbons
Allotments (1901-1937)	W	35	Hydrocarbons, pesticides, herbicides
Depot/waste site (1970-current)	NE	1	Metals, hydrocarbons, solvents
Water/infilled water (1970-1988)	E	34	Methane, carbon dioxide
Bus Depot (1974-c.1988)	E	182	Metals, hydrocarbons, solvents
Gravel pit (1974-recent)	S	21	Methane, carbon dioxide
Historical landfill (1983-1997)	S	244	Methane, carbon dioxide, leachates

3.2 Receptors

Humans

- Residents in the proposed dwellings.
- Residents and workers in adjacent properties.
- Development workers.

Controlled Waters

- The site is on a variably permeable Secondary A Superficial and Secondary B Bedrock aquifer and is not in a groundwater source protection zone.
- Underlying aquifer.
- Drain 4 m east of the site and to the ponds south of the site.

Ecology

- Animals and plants are considered to be possible receptors.

Buildings and services

- Underground pipes and foundations.

3.3 Pathways and plausible pollutant linkages (See Table 3)

Pathways to and from the site could exist via service channels.

Human health

The main pathways considered possible are:

1. Ingestion of soil
2. Ingestion of dust
3. Ingestion of contaminated vegetables/fruit
4. Ingestion of soil attached to vegetables/fruit
5. Dermal contact with soil
6. Dermal contact with dust
7. Inhalation of fugitive soil dust
8. Inhalation of fugitive dust
9. Inhalation of vapours outside
10. Inhalation of vapours inside
11. Ingress to water supplies is also considered
12. Ingress and accumulation of methane and carbon dioxide

Controlled Waters

Flow to groundwater may occur through the soils to the aquifer at depth.

Surface water flow could possibly find a route via surface water drains and channels to the east and south leading to the drain 4 m east of the site and to the ponds south of the site.

The site is on a variably permeable Secondary A Superficial and Secondary B Bedrock aquifer and is not in a groundwater source protection zone.

The identified potential contaminants (sources) and receptors have been considered in relation to pathways that may link them (Table 3 and Appendix C):

TABLE 3 – Initial Conceptual Site Model (see Appendix C)

Potential source	Potential contaminants of concern	Plausible pathway	Potential receptor	Probability	Severity	Risk	Justification	Risk classification
ON-SITE								
Former rail line (pre-188-1937) north-east of the site	Metals, hydrocarbons	Indoor inhalation, direct ingestion and/or dermal contact/ingestion with contaminants	Humans (site users), development workers	Low likelihood	Medium	Moderate /low	Natural attenuation of hydrocarbons given the time since the presence of the rail line. Some residual contamination from metals may be present	Moderate/low
		Leaching via vertical or lateral migration following any movement through the strata	Perched water, groundwater	Low likelihood	Medium	Moderate /low	Migration of potential contaminants	Moderate/low
		Direct contact	Buildings and service pipes	Unlikely	Medium	Low	No aggressive substances (PAH's) which may affect the foundations or plastic/metal pipes of any buildings are considered to be present on the site	Low

Continued.....

OFF-SITE								
Rail line/bus depot east and south-east of the site	Metals, hydrocarbons, solvents	Indoor inhalation, direct ingestion and/or dermal contact/ingestion with contaminants following any migration through the strata	Humans (site users)	Unlikely	Medium	Low	Distance and topography restricting pathways	Low
Former allotments west of the site (to 1937)	Hydrocarbons, pesticides, herbicides	Indoor inhalation, direct ingestion and/or dermal contact/ingestion with contaminants following any migration through the strata	Humans (site users)	Unlikely	Medium	Low	Natural attenuation of contaminants, distance restricting pathways	Low
Current depot/former waste site	Metals, hydrocarbons, solvents	Indoor inhalation, direct ingestion and/or dermal contact/ingestion with contaminants following any migration through the strata	Humans (site users)	Low likelihood	Medium	Moderate /low	Possible migration of potential contaminants	Moderate/low
Former water/infileled land (pre-1988)	Methane, carbon dioxide	Indoor inhalation following any migration through the strata	Humans (site users)	Unlikely	Medium	Low	Natural attenuation of ground gases given the time since infill*, distance restricting pathways	Low
(Former) gravel pits	Methane, carbon dioxide	Indoor inhalation following any migration through the strata	Humans (site users)	Low likelihood	Medium	Moderate /low	Possible migration of ground gases	Moderate/low
Historical landfill (to 1997)	Methane, carbon dioxide, leachates	Indoor inhalation, direct ingestion and/or dermal contact/ingestion with contaminants following any migration through the strata	Humans (site users)	Unlikely	Medium	Low	Significant natural attenuation of ground gases given the time since infill*, distance restricting pathways	Low
Notes to table: * Given the length of time since in-fill, any potential gas generated during decomposition is likely to have peaked and be in decline. This information is based on the document prepared by CIRIA titled 'CIRIA C665 -Assessing risks posed by hazardous gases to buildings'. Section 7.2.5 (Figure 7.1), details that the landfill gas generation rate significantly reduces with the age of the waste. By 30 years, the rate of gas generation is insignificant, and by 50 years, the rate is minimal. Pathway: Classification of human exposure pathways (routes) from The CLEA model, Research and Development Publication CLR10. Probability and severity: Classification of Probability and Consequence from CIRIA C552 Contaminated land risk assessment, a guide to good practice 2001. Risk Classification from DETR Guidelines for Environmental Risk Assessment and Management, 2000								

4. RISK ASSESSMENT SUMMARY

4.1 Human health

A **moderate/low** risk to future residents exists from on and off-site sources (Table 4). The major risk is from hydrocarbon/solvent vapour inhalation within indoor air-space and from direct soil and dust ingestion and/or inhalation from metals and hydrocarbons in any landscaped or garden areas.

4.2 Controlled Waters

A **moderate/low** risk to groundwater is considered to exist due to potential on-site sources being present.

4.3 Ecology

A **low risk** is considered to exist as no significant receptors are considered to exist on or within a significant distance of the site. Hence no plausible pollutant linkages are present.

4.4 Buildings and services

A **moderate/low** risk is considered to exist as aggressive substances which may affect the foundations or plastic/metal pipes of any buildings are considered to potentially be present on the site.

5. UNCERTAINTIES AND RECOMMENDATIONS

Significant risks are considered to be evident in relation to the possible presence of hydrocarbons, metals, and other contaminants from on and off-site sources. The major risk to human health could be from hydrocarbon and solvent vapour inhalation within indoor air-space and from direct soil and dust ingestion and/or inhalation from metals, asbestos, hydrocarbons and asbestos in any garden/landscaped areas. The major risk to controlled waters is via direct leaching to the aquifer. A risk from ground gases is also evident. A Phase 2 investigation would therefore be needed.

A Phase 2 investigation should be undertaken with sampling of the soil in order to substantiate the possible risks from contamination. The investigation should consist of soil samples from targeted boreholes around the former railway line of site and adjacent to the depot, with samples analysed in a UKAS and MCERTS accredited laboratory for metals and hydrocarbons such that a site-specific quantitative risk assessment can be undertaken and appropriate risk reduction measures recommended. Leachate analysis in accordance with current guidelines should also be conducted. Gas monitoring should also be conducted or remedial measures implemented.

The site investigation should be targeted with regard to sampling locations and all works be undertaken in accordance with BS 10175 - Investigation of Potentially Contaminated Sites: Code of Practice and CLR11 - Model Procedures for the Management of Land Contamination, using LQM/CIEH S4ULs guideline values.

A proposed Phase 2 scope of works will need to be agreed with the council prior to intrusive or development works.

DRAWING 1

Current site setting

NOTES:

 Site boundary

Soil Environment Services

Drawing number

1

Drawing title

Current site setting

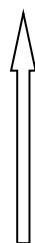
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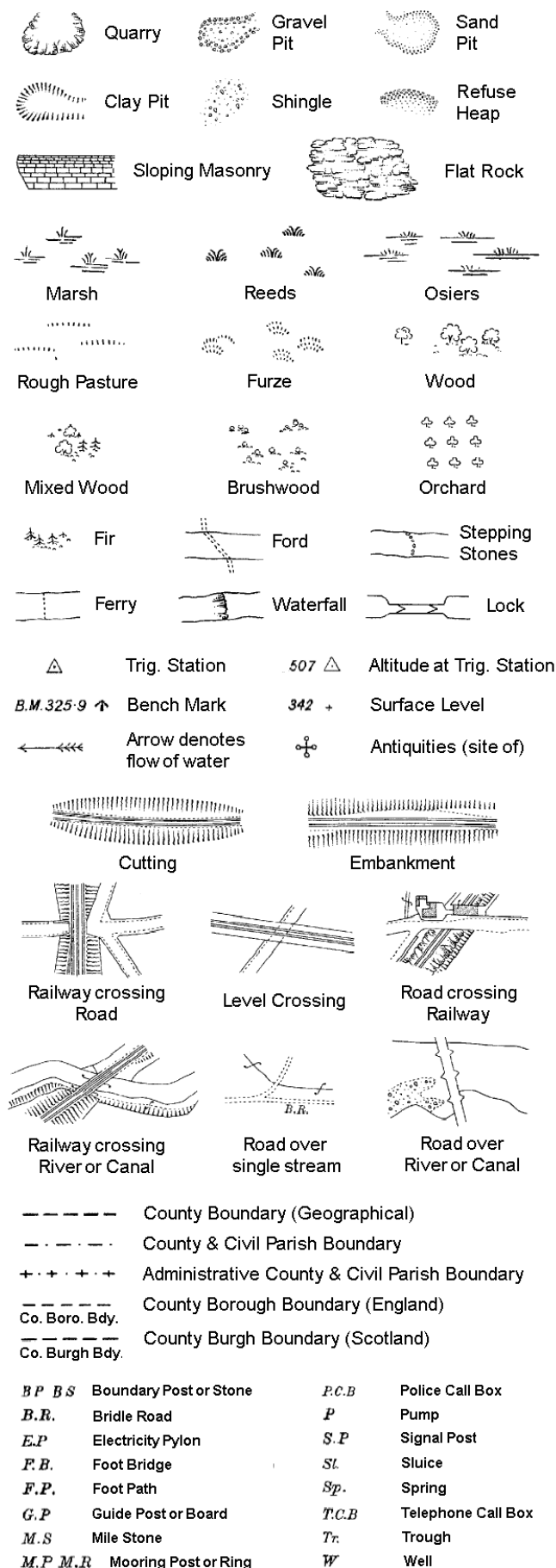


APPENDIX A

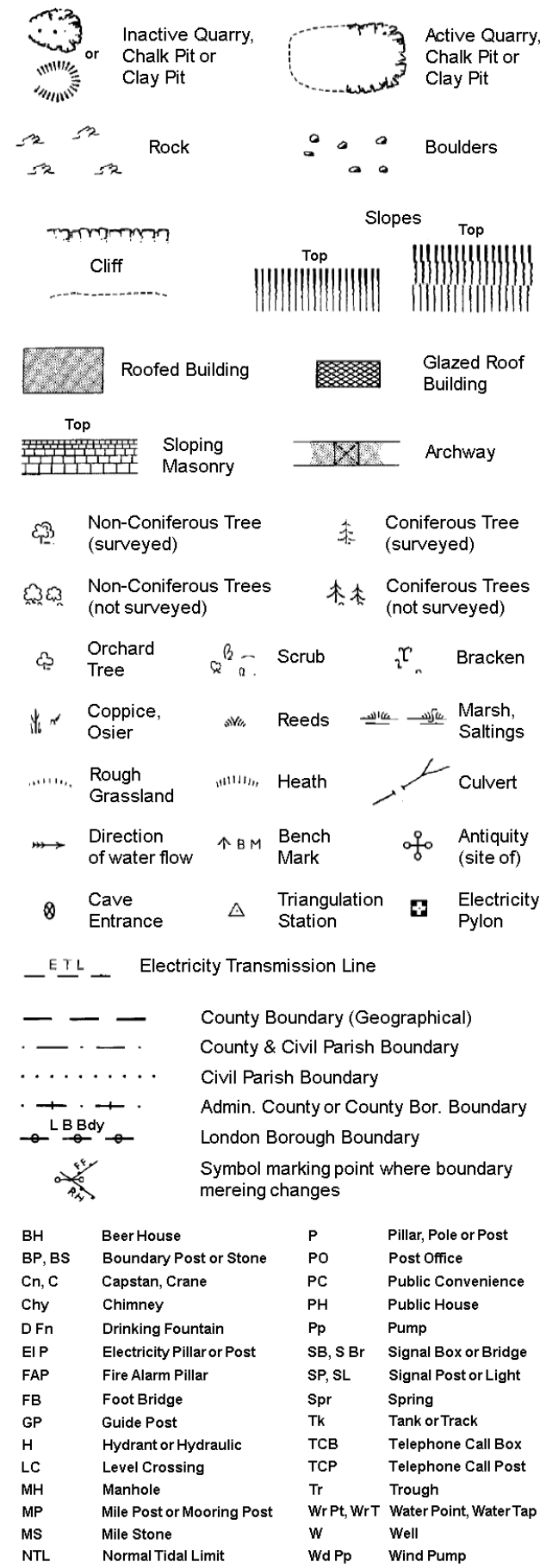
Historical maps

Historical Mapping Legends

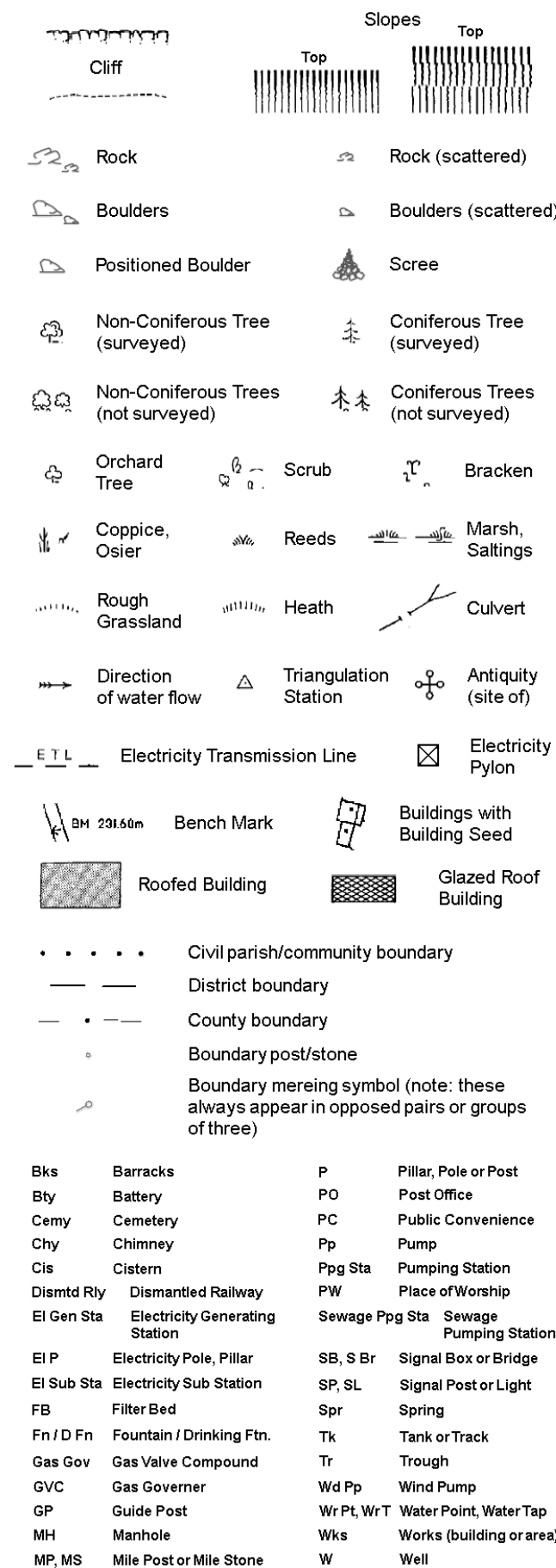
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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



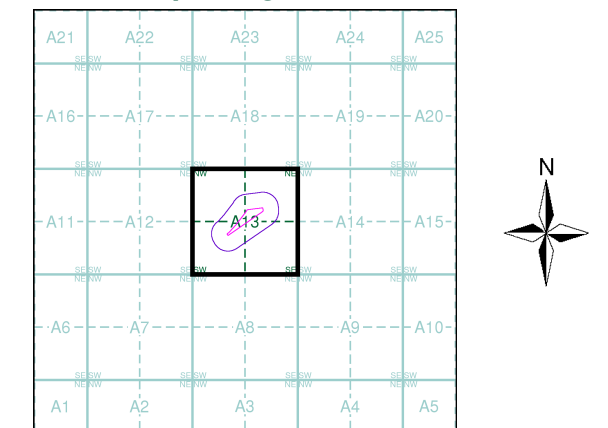
Envirocheck®

LANDMARK INFORMATION GROUP®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Derbyshire	1:2,500	1880 - 1881	2
Derbyshire	1:2,500	1901	3
Derbyshire	1:2,500	1922 - 1923	4
Derbyshire	1:2,500	1937 - 1938	5
Ordnance Survey Plan	1:2,500	1969 - 1970	6
Supply of Unpublished Survey Information	1:2,500	1974	7
Additional SIMs	1:2,500	1977	8
Additional SIMs	1:2,500	1988	9
Ordnance Survey Plan	1:2,500	1991	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1994	12
Large-Scale National Grid Data	1:2,500	1996	13
Large-Scale National Grid Data	1:2,500	1996	14
Historical Aerial Photography	1:2,500	1999	15

Historical Map - Segment A13



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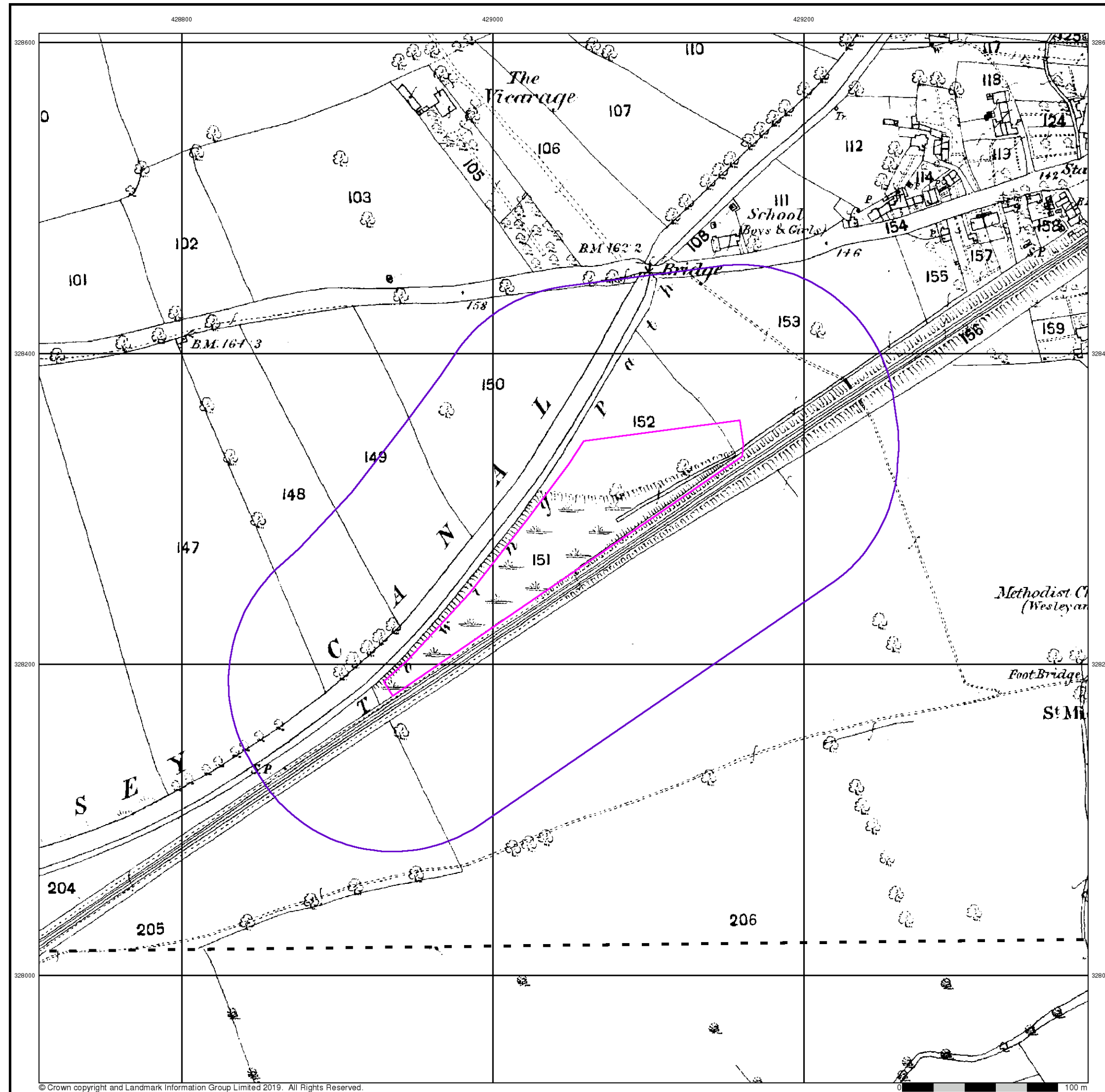
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Site Area (Ha): 1.05
Search Buffer (m): 100

Site Details

2, Ivy Close, Willington, DERBY, DE65 6BS

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Derbyshire

Published 1880 - 1881

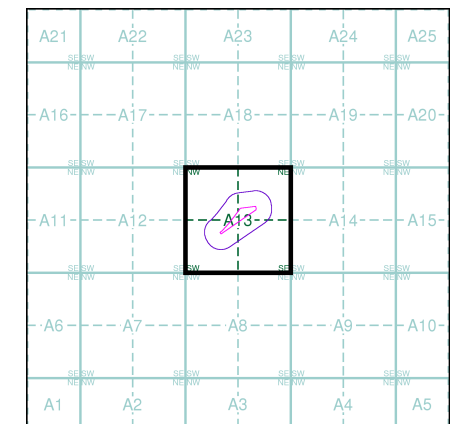
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Map Name(s) and Date(s)

054_14
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1:2,500
057_02
1881
1:2,500

Historical Map - Segment A13



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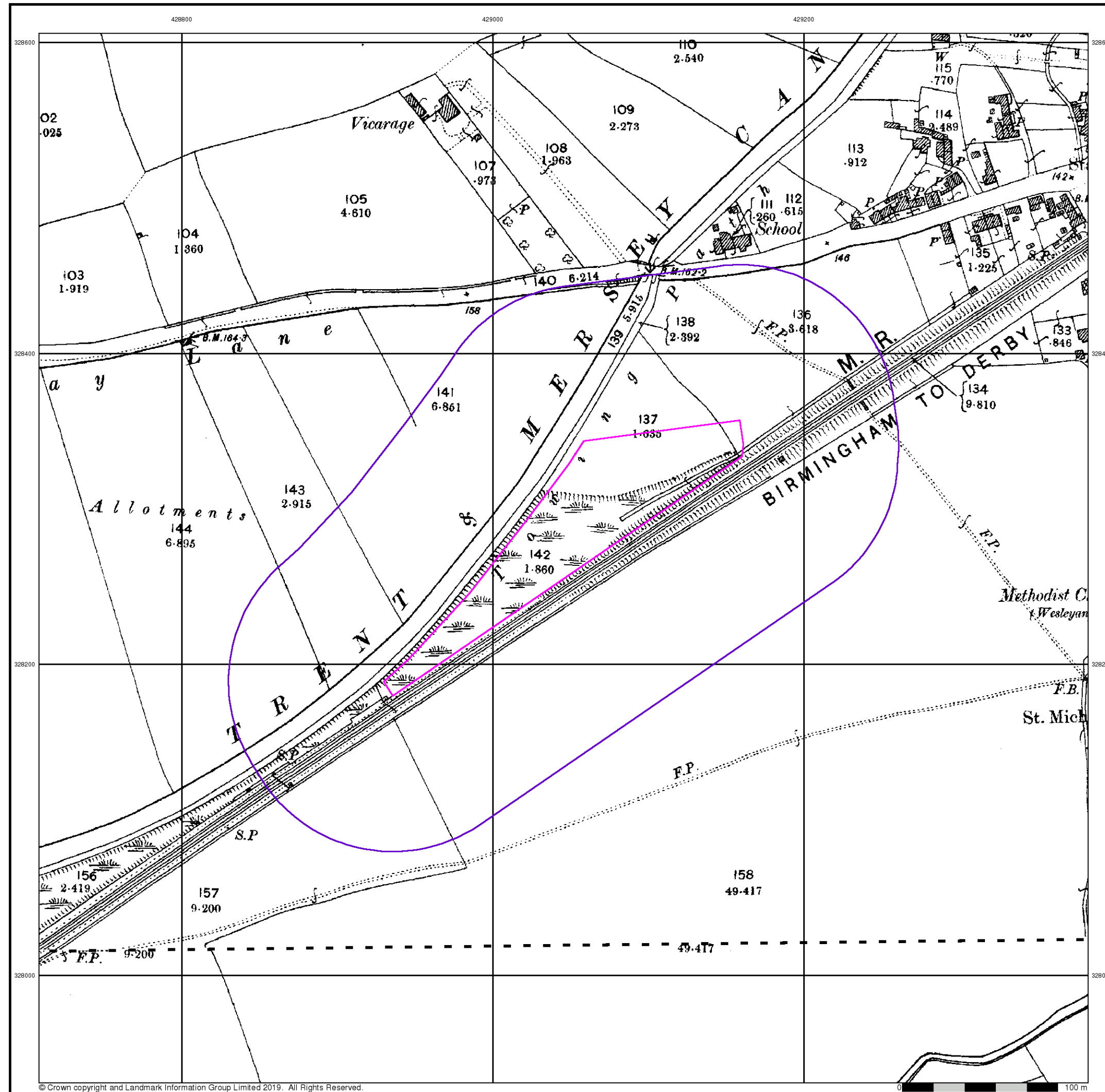
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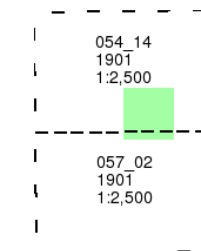
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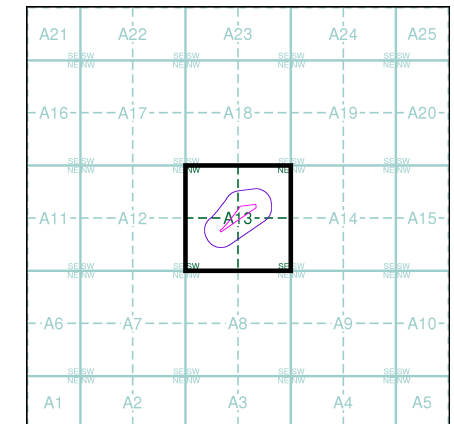
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 100

Site Details

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Derbyshire

Published 1922 - 1923

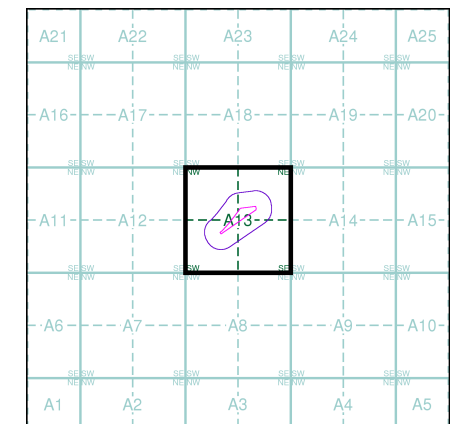
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Map Name(s) and Date(s)

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Historical Map - Segment A13

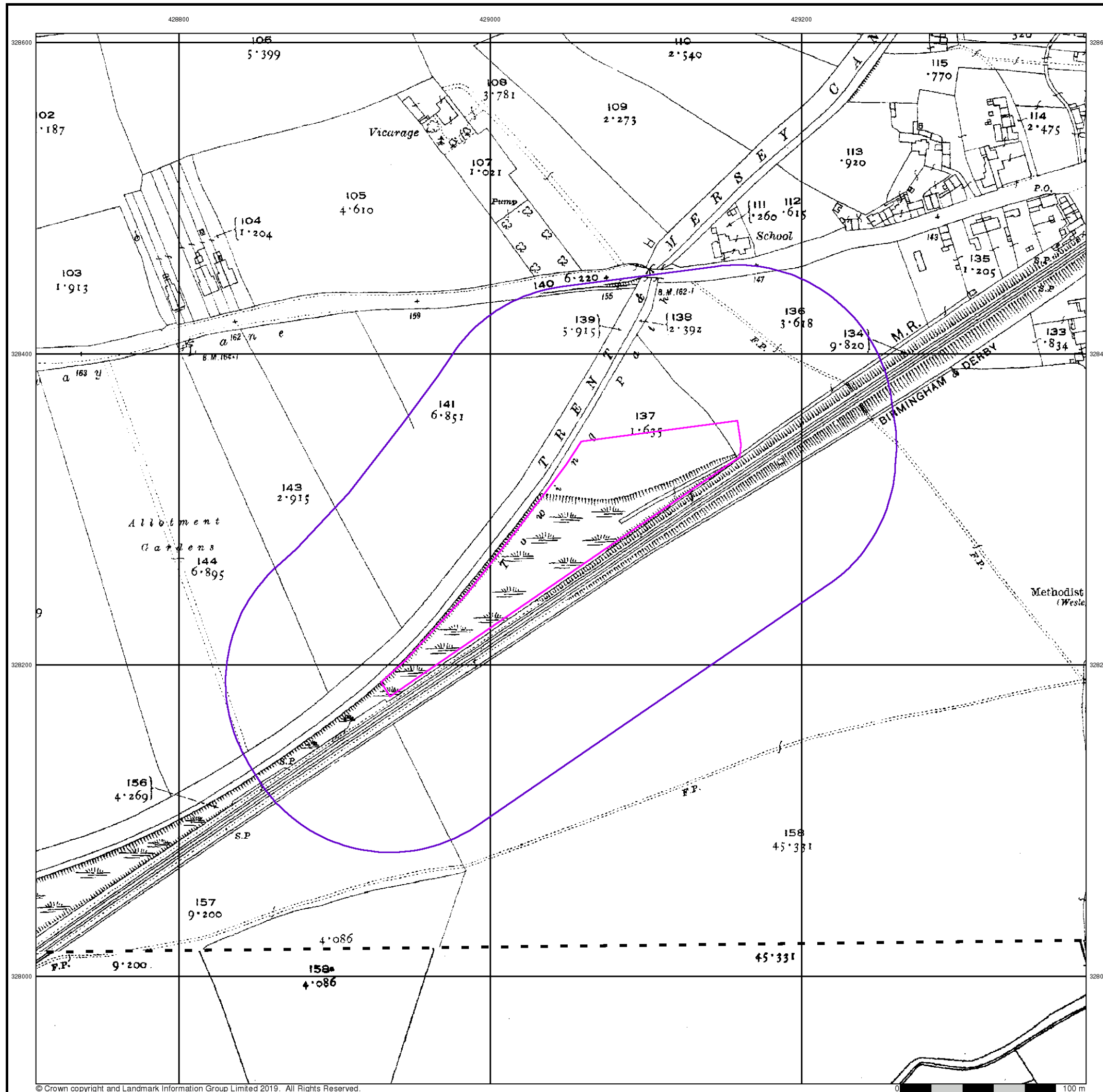


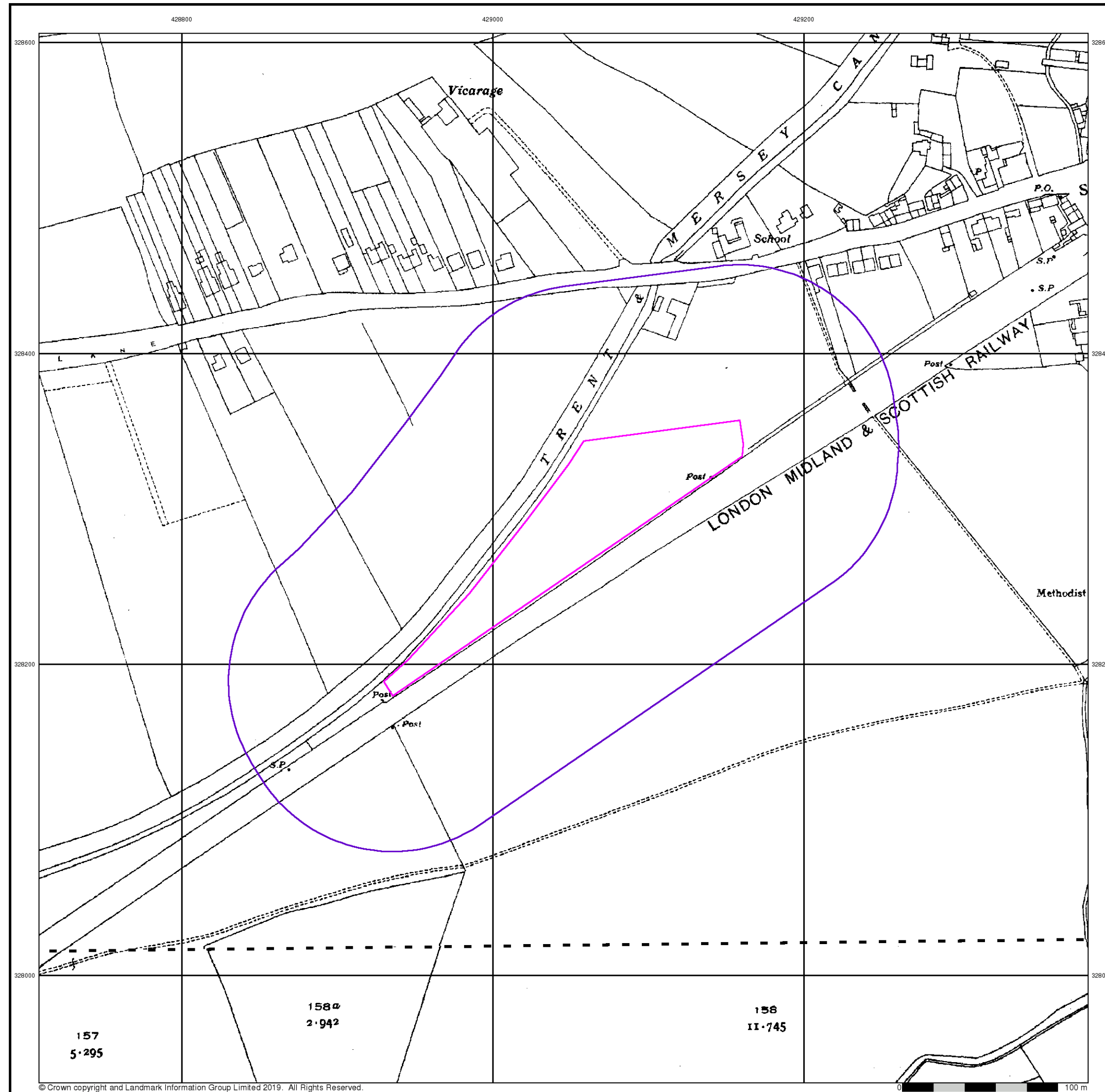
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Site Details

2, Ivy Close, Willington, DERBY, DE65 6BS





Derbyshire

Published 1937 - 1938

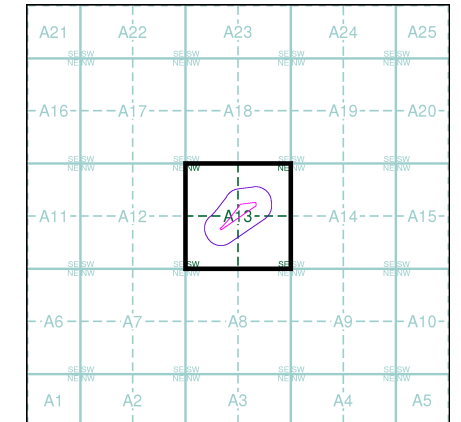
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Map Name(s) and Date(s)

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1937
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057 02
1938
1:2,500

Historical Map - Segment A13



Order Details

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National Grid Reference: 429040, 328270
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Search Buffer (m): 100

Site Details

2, Ivy Close, Willington, DERBY, DE65 6BS

Ordnance Survey Plan

Published 1969 - 1970

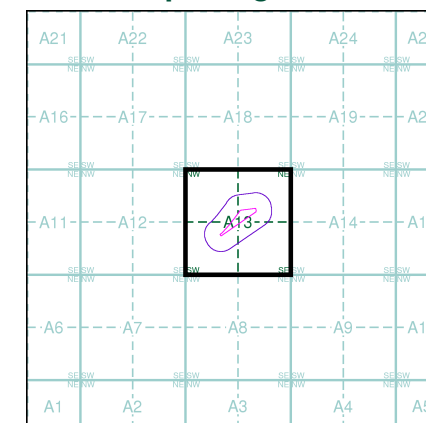
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Map Name(s) and Date(s)

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Historical Map - Segment A13

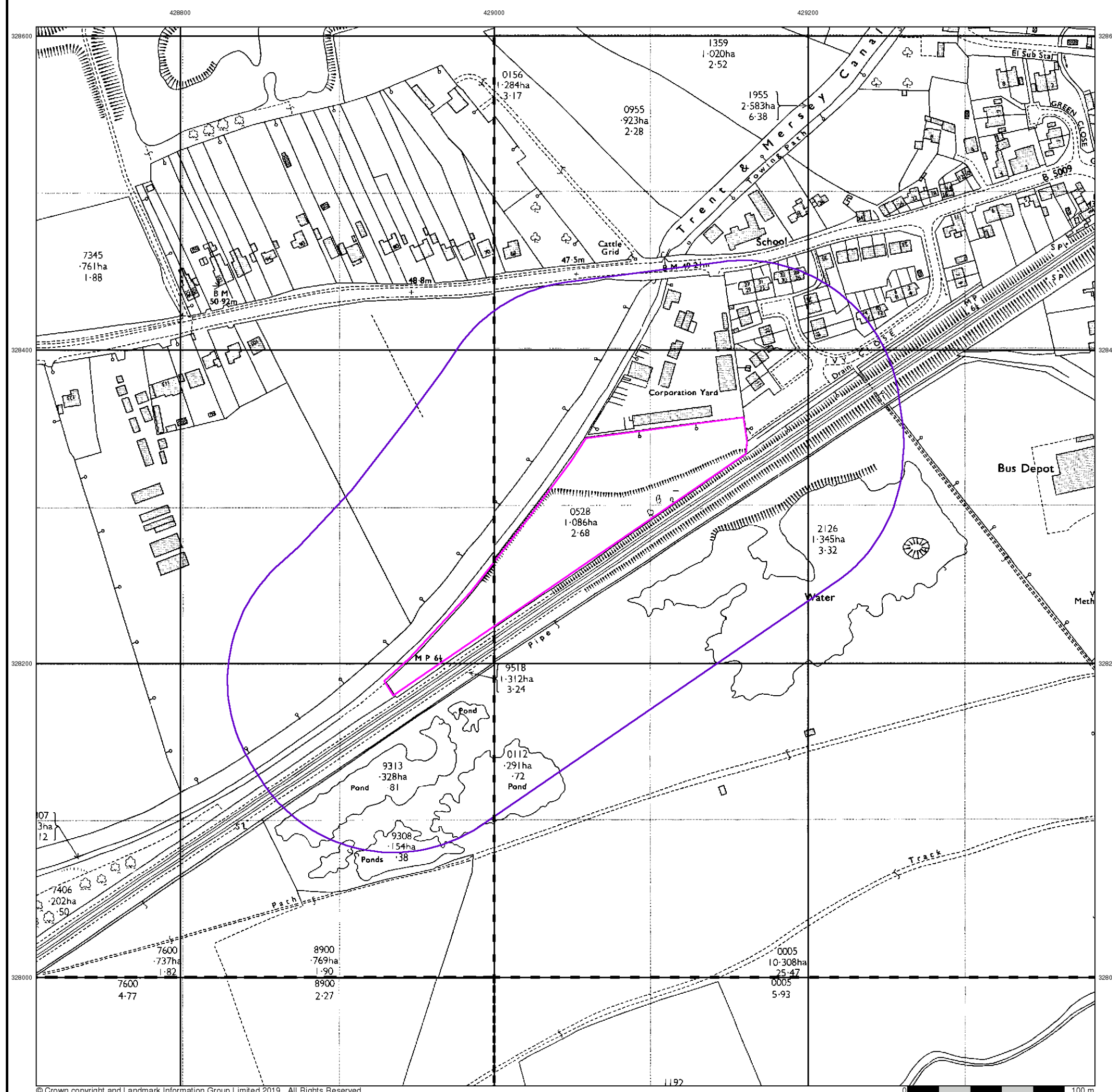


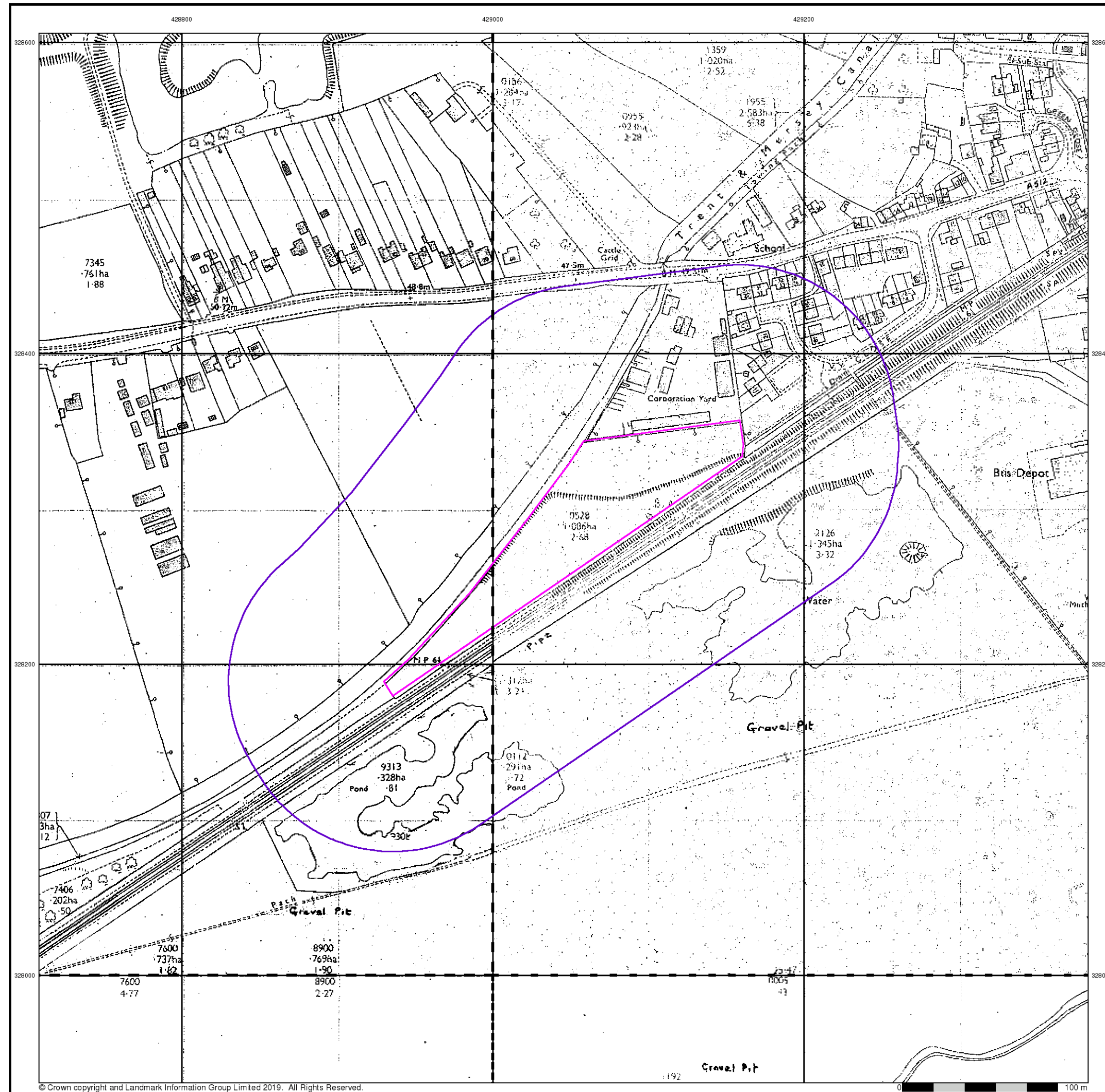
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Order Number: 190406307_1_1
 Customer Ref: Ivy Close
 National Grid Reference: 429040, 328270
 Slice: A
 Site Area (Ha): 1.05
 Search Buffer (m): 100

Site Details

2, Ivy Close, Willington, DERBY, DE65 6BS





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Supply of Unpublished Survey Information

Published 1974

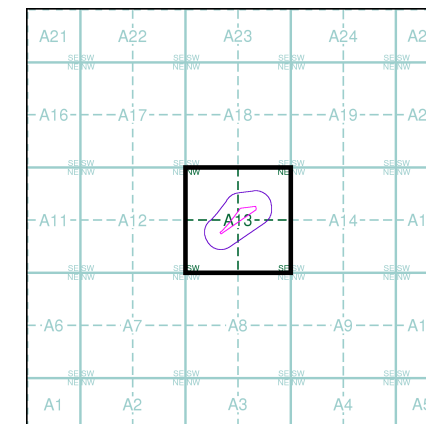
Source map scale - 1:2,500

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)

SK2828	SK2928
1974	1974
12,500	12,500
SK2827	SK2927
1974	1974
12,500	12,500

Historical Map - Segment A13



Order Details

Order Number: 190406307_1_1
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Slice: A
Site Area (Ha): 1.05
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Site Details

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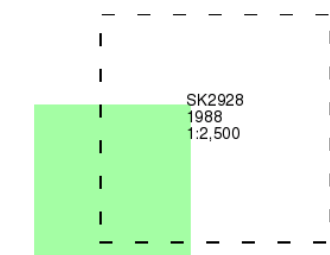
Additional SIMs

Published 1988

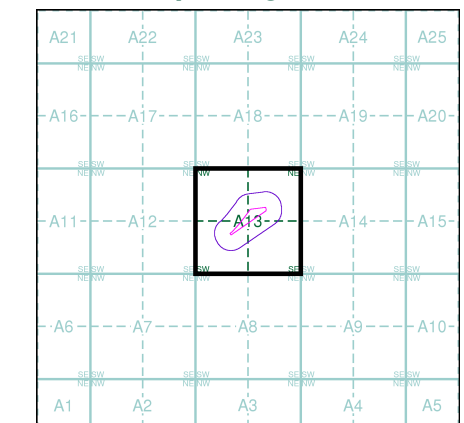
Source map scale - 1:2,500

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: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 100

Site Details

2, Ivy Close, Willington, DERBY, DE65 6BS

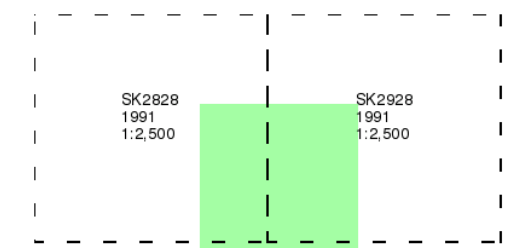
Ordnance Survey Plan

Published 1991

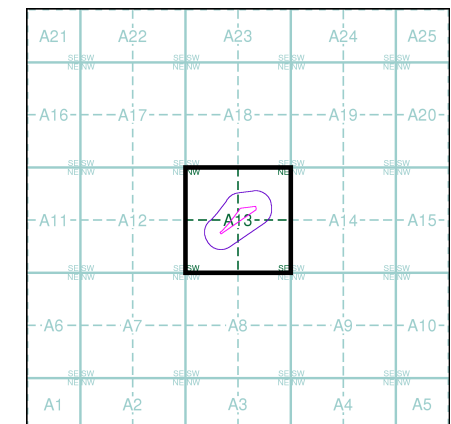
Source map scale - 1:2,500

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

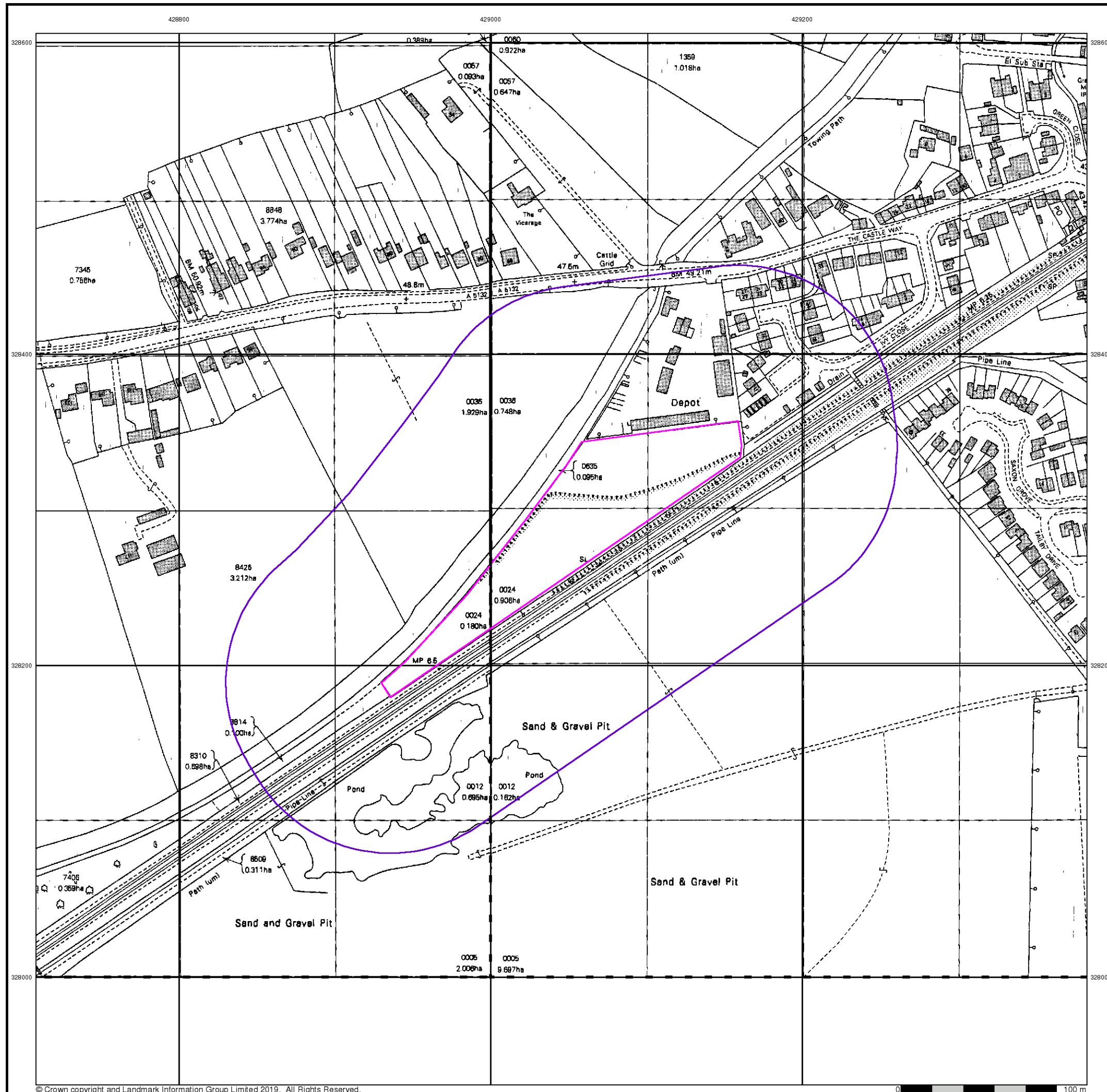


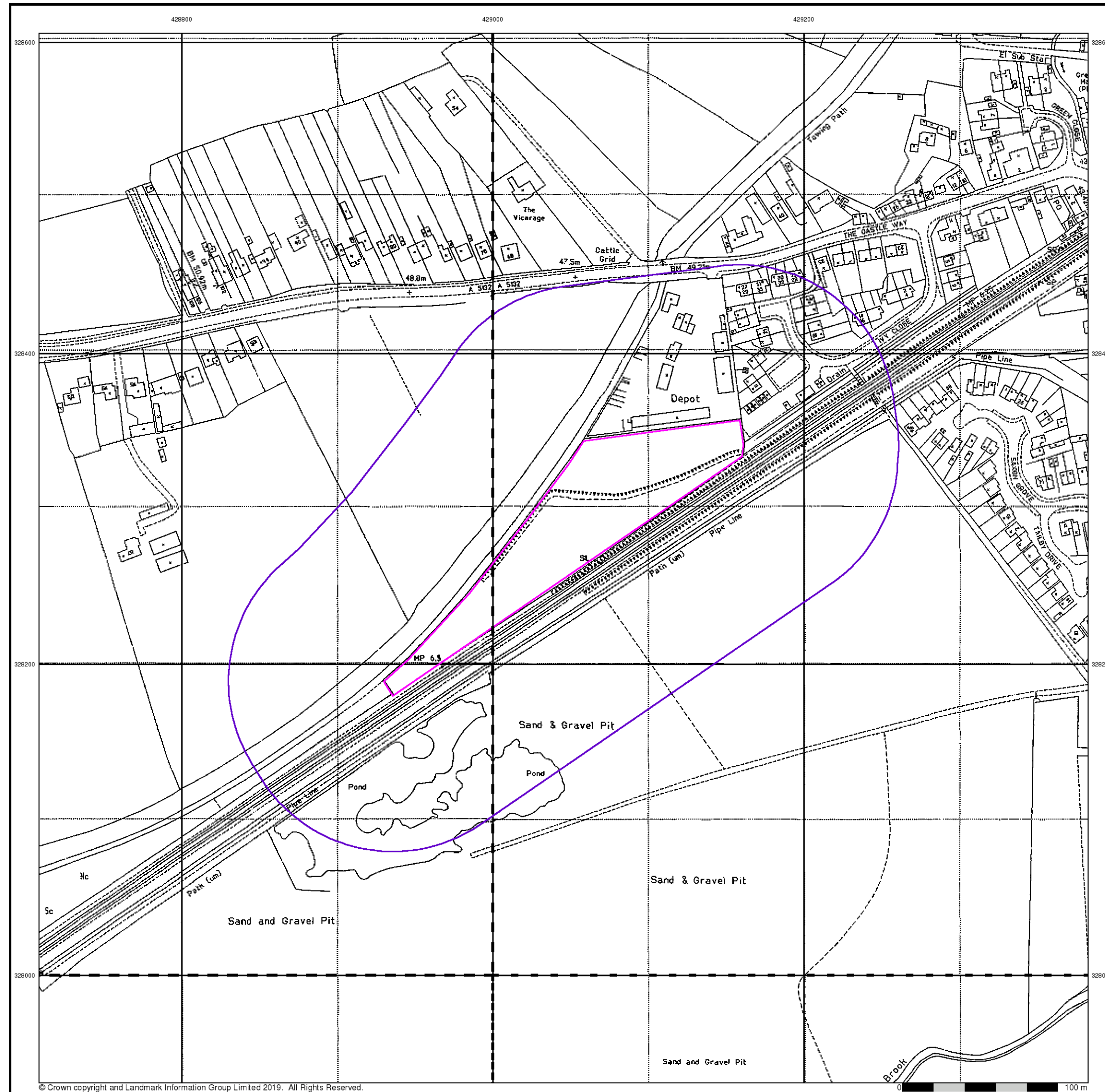
Order Details

Order Number: 190406307_1_1
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 Slice: A
 Site Area (Ha): 1.05
 Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1993

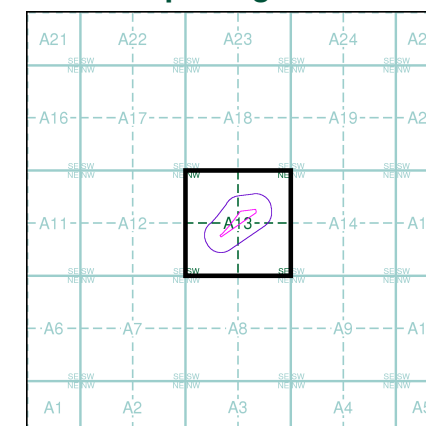
Source map scale - 1:2,500

'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)

SK2828 1993 12,500	SK2928 1993 12,500
SK2827 1993 12,500	SK2927 1993 12,500

Historical Map - Segment A13



Order Details

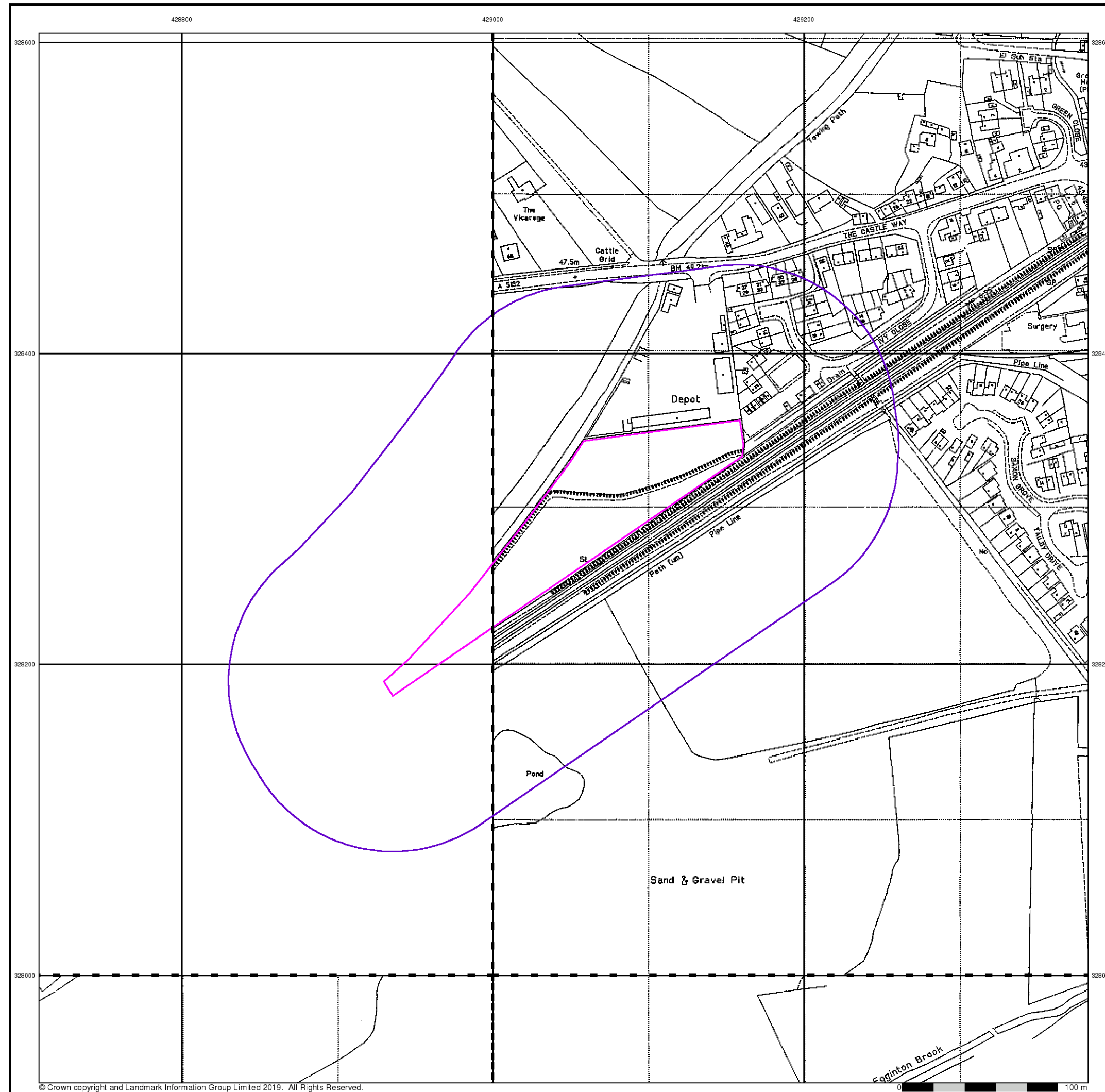
Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1994

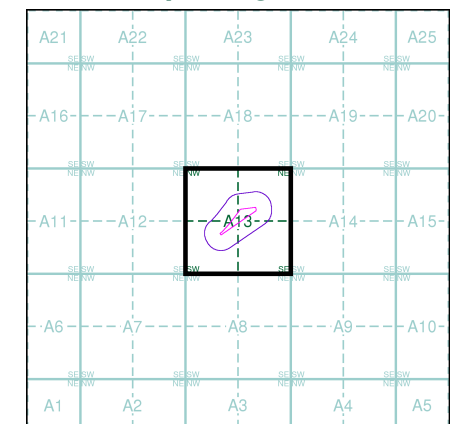
Source map scale - 1:2,500

'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)

	SK2928	
	1994	
	1:2,500	
SK2827		SK2927
1994		1994
1:2,500		1:2,500

Historical Map - Segment A13



Order Details

Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 100

Site Details

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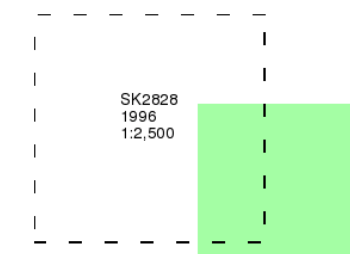
Large-Scale National Grid Data

Published 1996

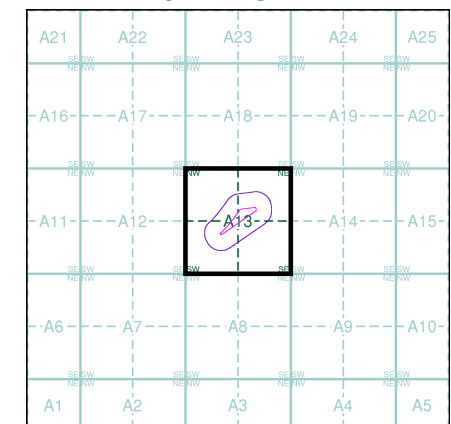
Source map scale - 1:2,500

'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

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Slice: A
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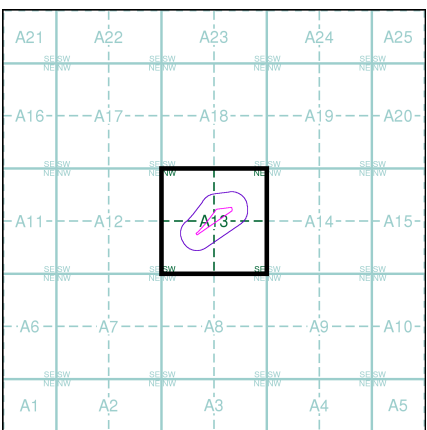
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Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 190406307_1_1
Customer Ref: Ivy Close
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Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 100

Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

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

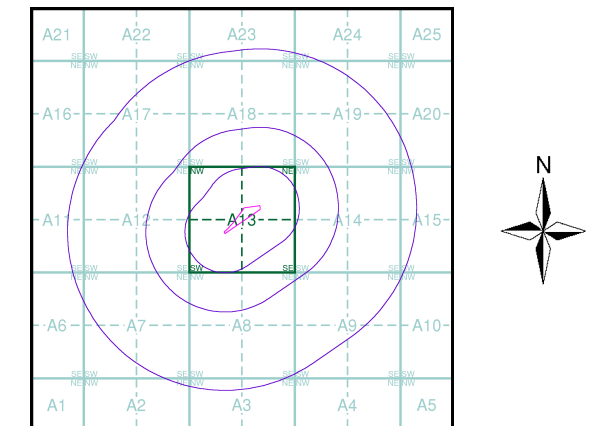
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Derbyshire	1:10,560	1884 - 1886	3
Derbyshire	1:10,560	1901 - 1902	4
Derbyshire	1:10,560	1924	5
Derbyshire	1:10,560	1938	6
Ordnance Survey Plan	1:10,000	1955	7
Ordnance Survey Plan	1:10,000	1968	8
Ordnance Survey Plan	1:10,000	1976 - 1978	9
Derby	1:10,000	1991	10
Ordnance Survey Plan	1:10,000	1996	11
10K Raster Mapping	1:10,000	2000	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2018	14

Historical Map - Slice A



Order Details

Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 1000

Site Details

2, Ivy Close, Willington, DERBY, DE65 6BS

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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

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

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

Power Station, drawn to scale Hydroelectric Power Station

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

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

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

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

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

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

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

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

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

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

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

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

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

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

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

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

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

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

Well Water Reservoir or Rain Water Pit Spring Isobath with value

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

Coniferous Deciduous Mixed Scrub

Key to Numbers on Mapping

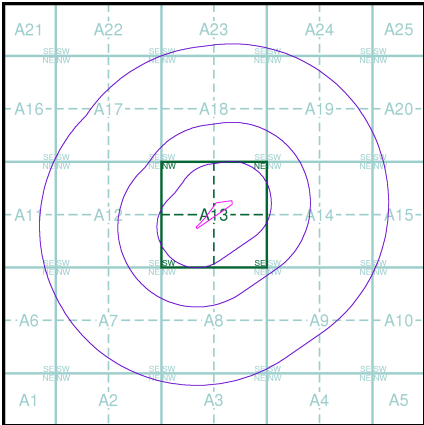
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Derbyshire	1:10,560	1884 - 1886	3
Derbyshire	1:10,560	1901 - 1902	4
Derbyshire	1:10,560	1924	5
Derbyshire	1:10,560	1938	6
Ordnance Survey Plan	1:10,000	1955	7
Ordnance Survey Plan	1:10,000	1968	8
Ordnance Survey Plan	1:10,000	1976 - 1978	9
Derby	1:10,000	1991	10
Ordnance Survey Plan	1:10,000	1996	11
10K Raster Mapping	1:10,000	2000	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2018	14

Russian Map - Slice A



Order Details

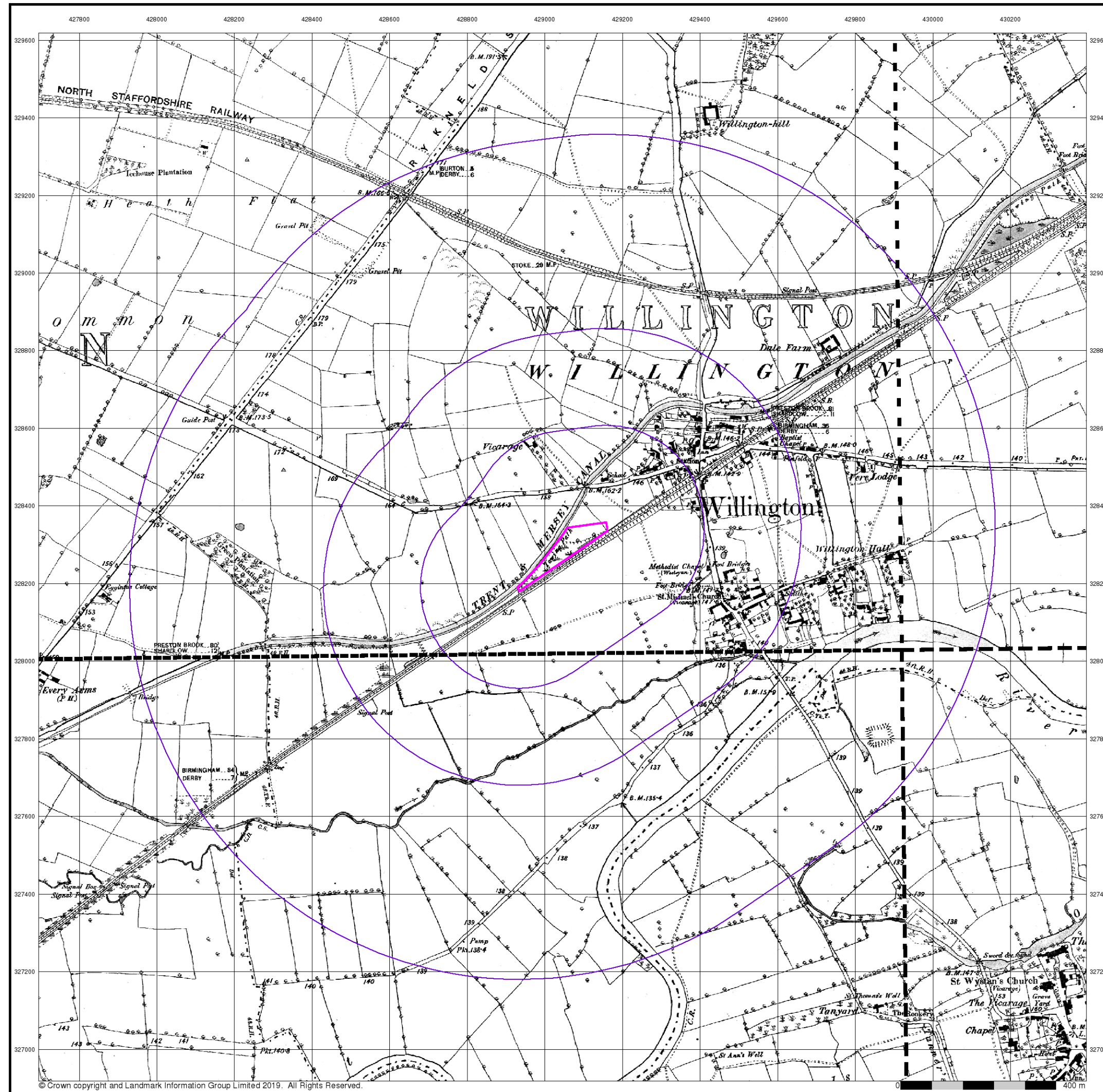
Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 1000

Site Details

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Derbyshire

Published 1884 - 1886

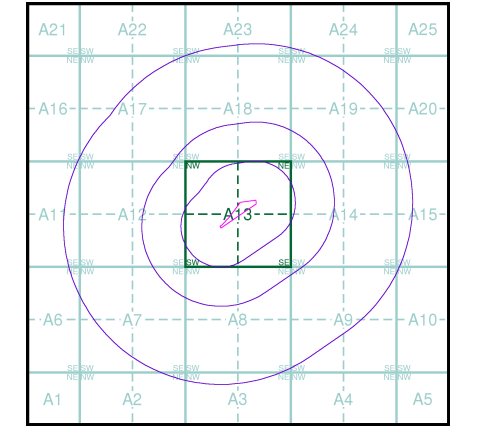
Source map scale - 1:10,560

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)

054SW 1886 1:10,560	054SE 1885 1:10,560
057NW 1884 1:10,560	057NE 1884 1:10,560

Historical Map - Slice A



Order Details

Order Number: 190406307_1_1
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Slice: A
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Derbyshire

Published 1901 - 1902

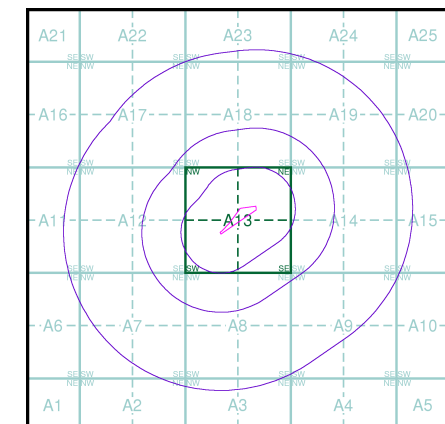
Source map scale - 1:10,560

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)

054SW 1901 1:10,560	054SE 1901 1:10,560
057NW 1902 1:10,560	057NE 1901 1:10,560

Historical Map - Slice A



Order Details

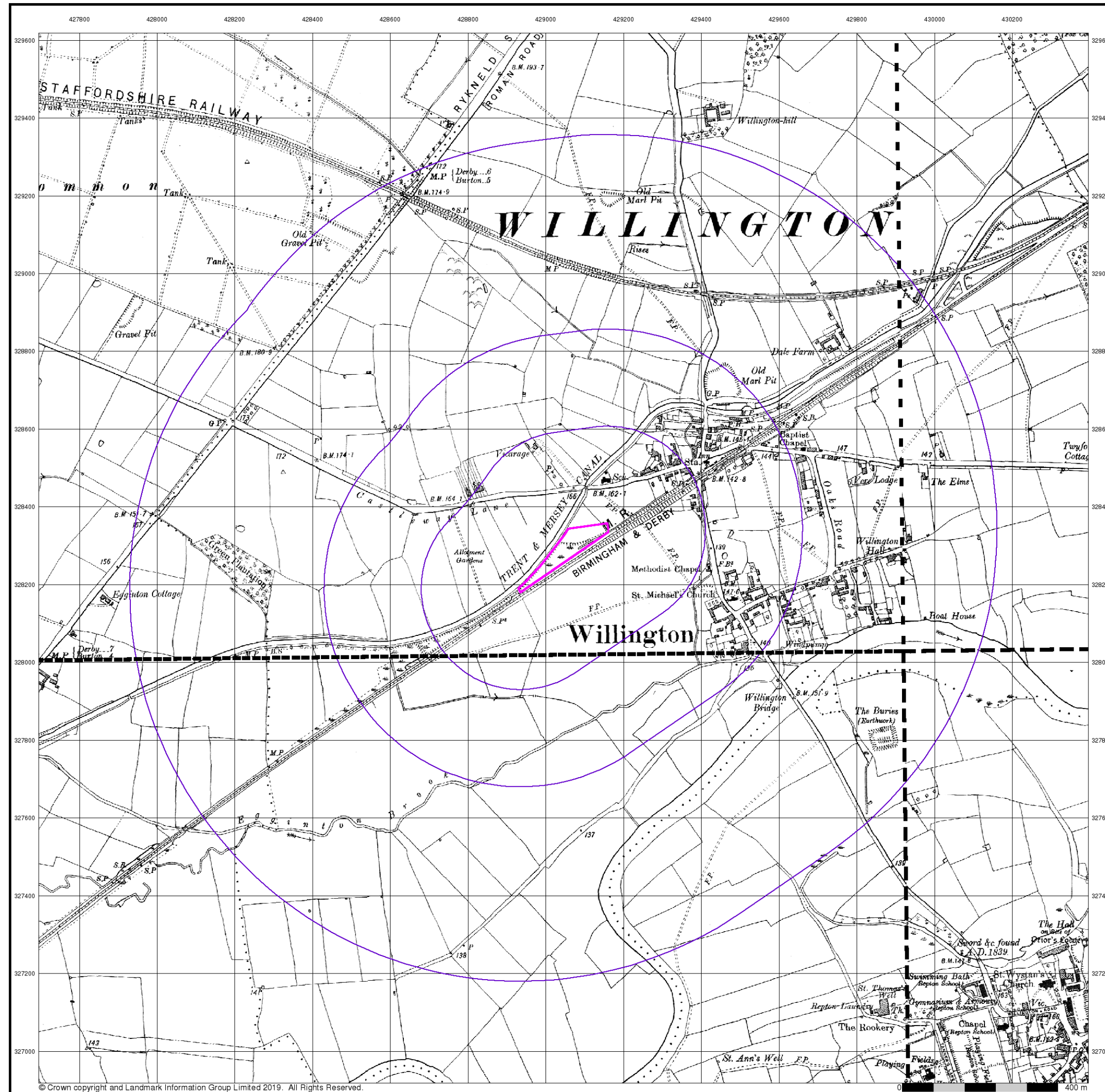
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Derbyshire

Published 1924

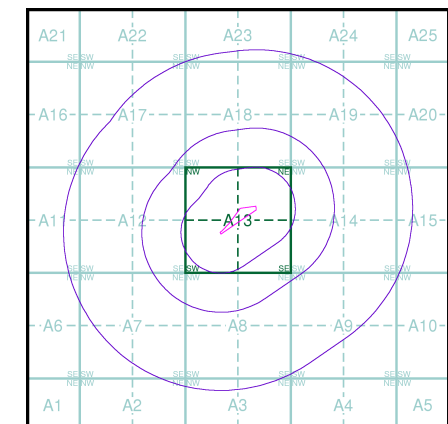
Source map scale - 1:10,560

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)

054SW 1924 1:10,560	054SE 1924 1:10,560
057NW 1924 1:10,560	057NE 1924 1:10,560

Historical Map - Slice A



Order Details

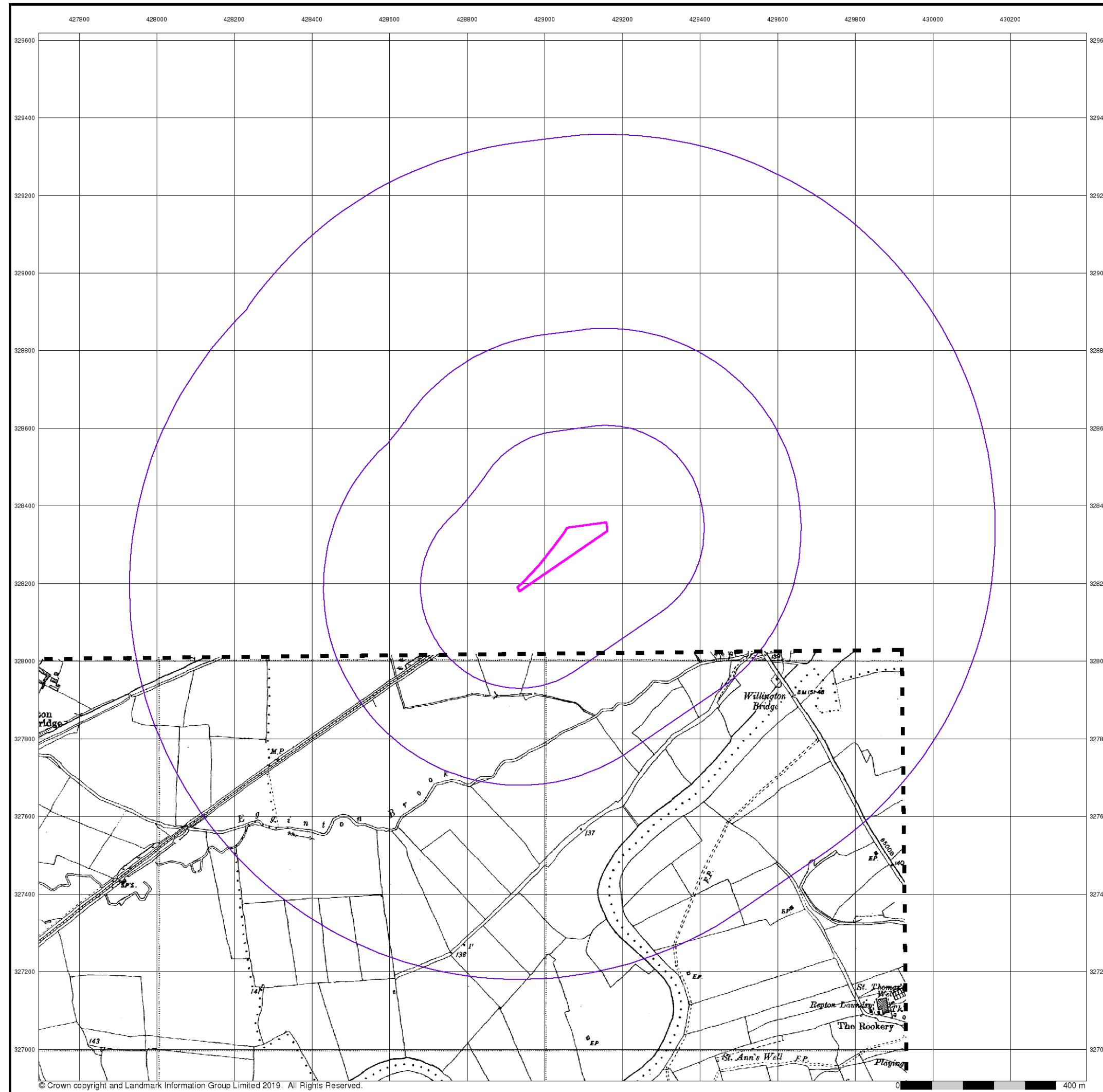
Order Number: 190406307_1_1
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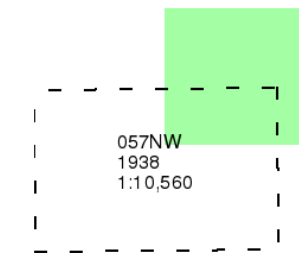
Derbyshire

Published 1938

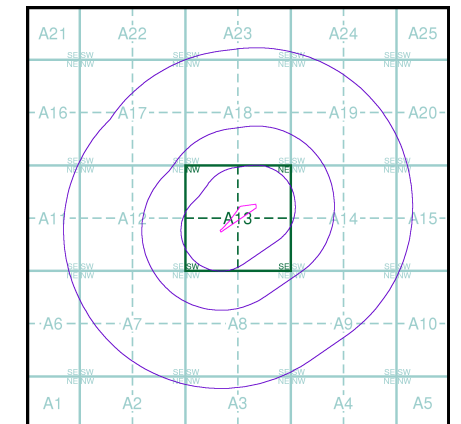
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 1000

Site Details

2, Ivy Close, Willington, DERBY, DE65 6BS



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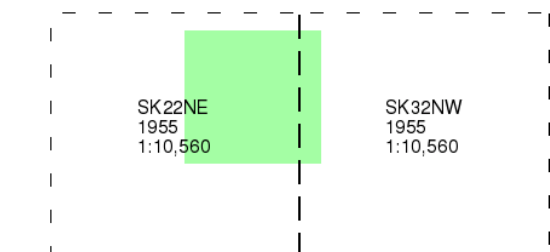
Ordnance Survey Plan

Published 1955

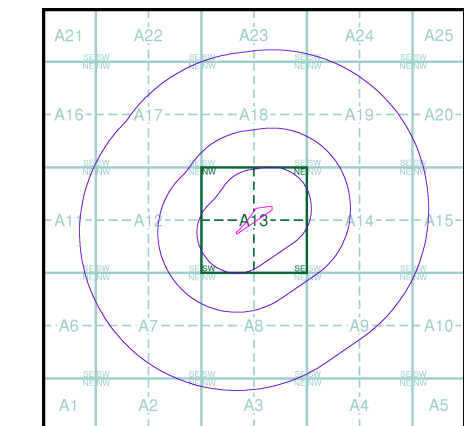
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 1000

Site Details

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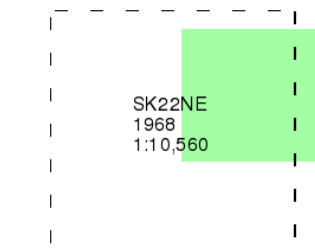
Ordnance Survey Plan

Published 1968

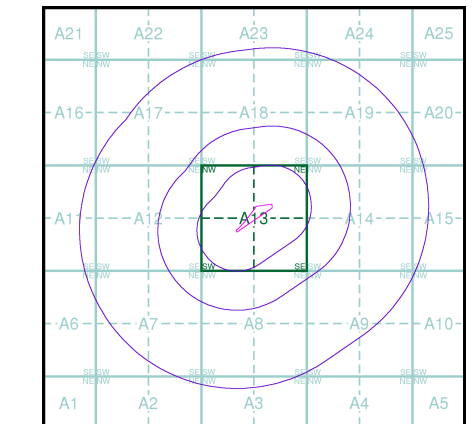
Source map scale - 1:10,000

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

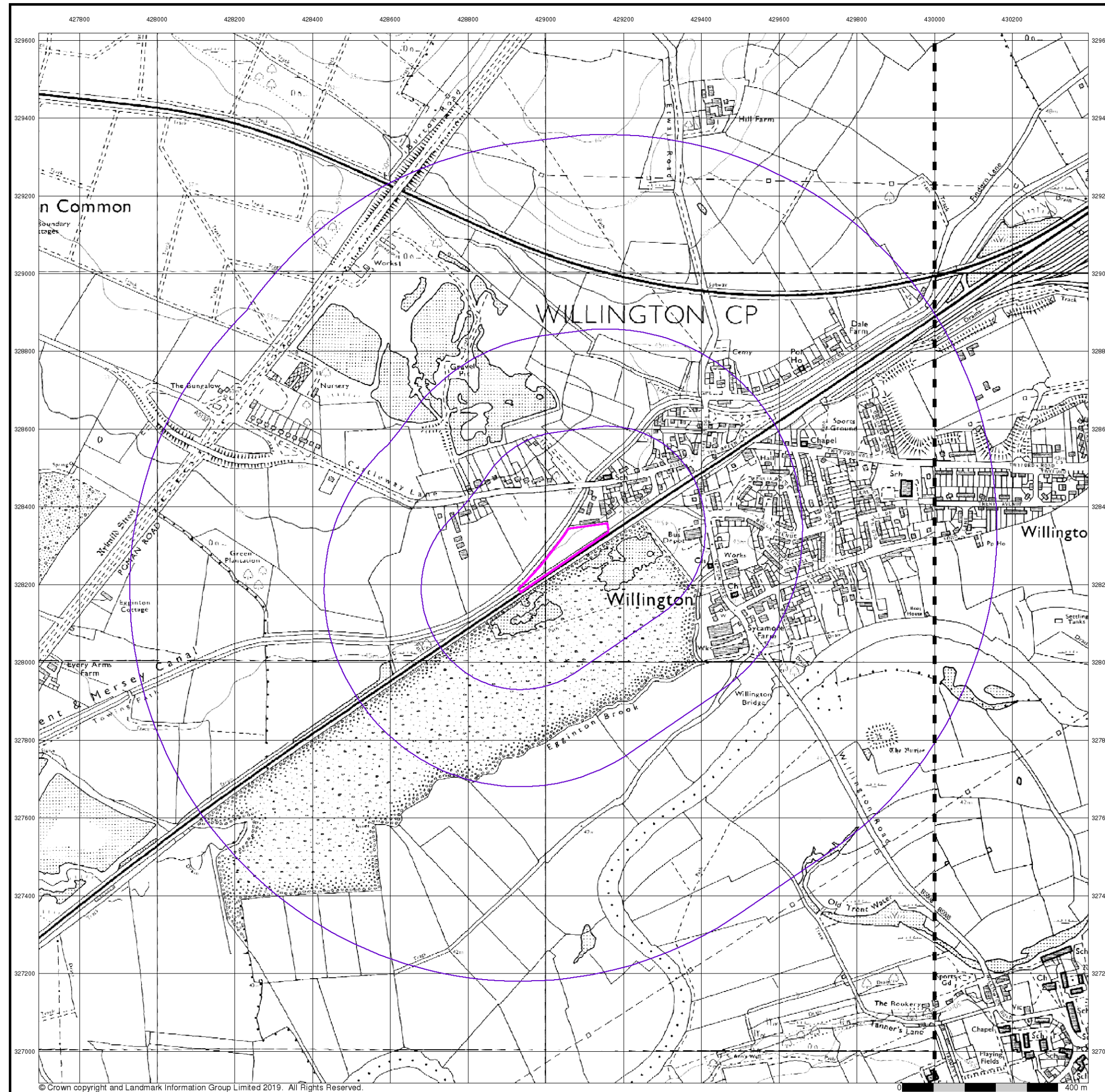
Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 1000

Site Details

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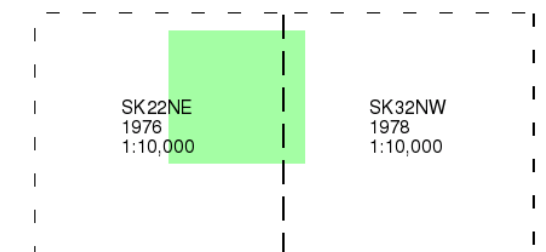
Ordnance Survey Plan

Published 1976 - 1978

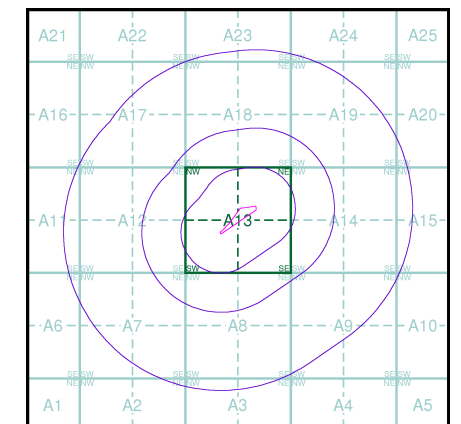
Source map scale - 1:10,000

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

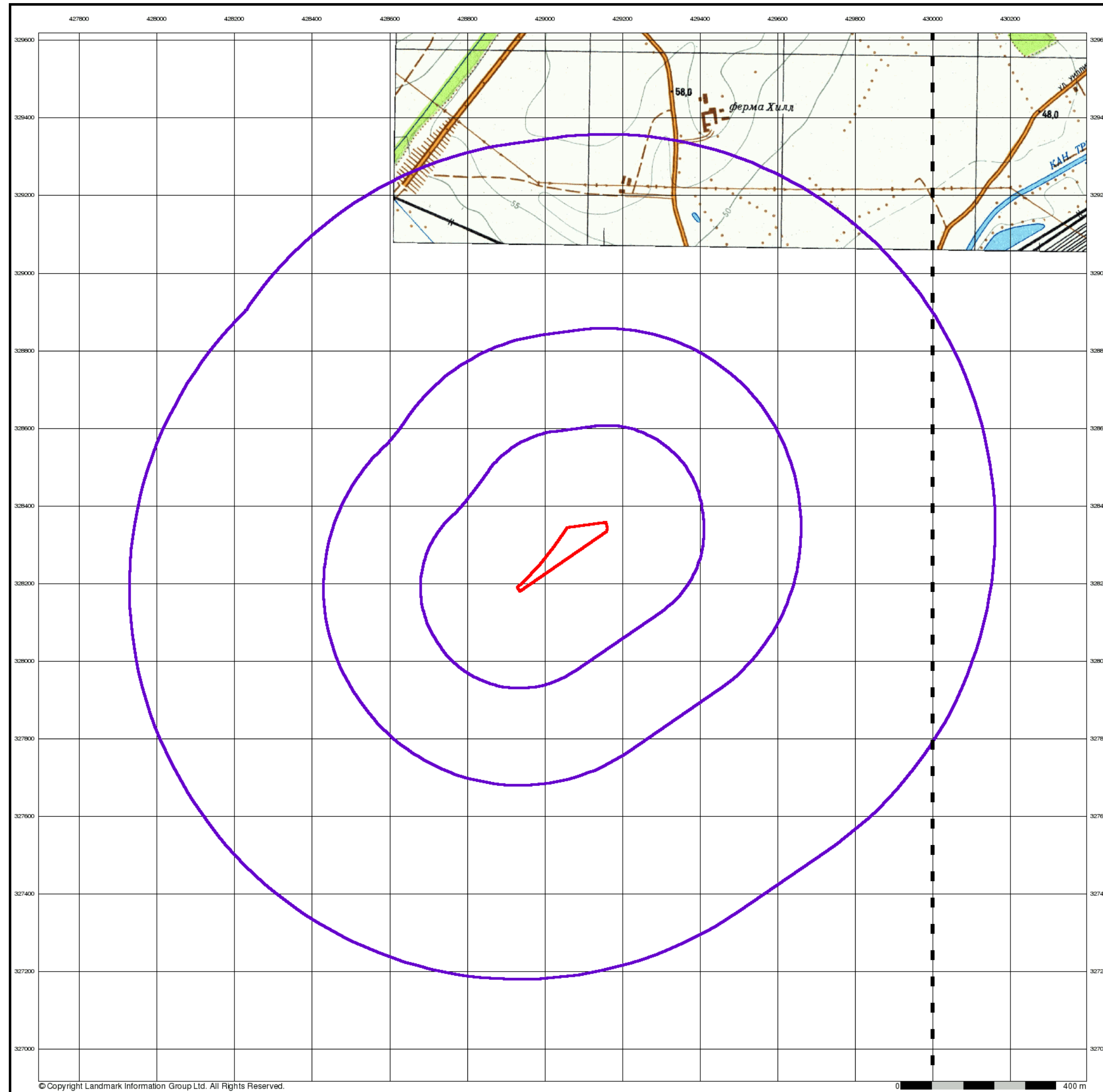
Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 1000

Site Details

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Derby

Published 1991

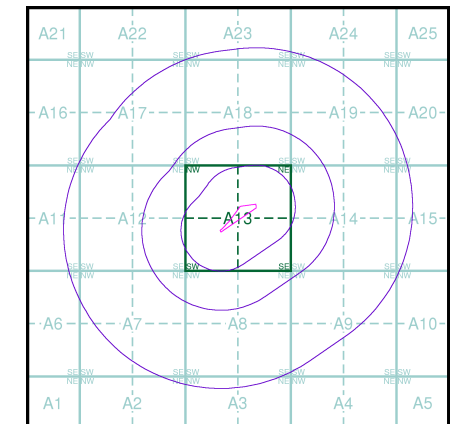
Source map scale - 1:10,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)

SK22NE 1991 1:10,000	SK32NW 1991 1:10,000
----------------------------	----------------------------

Russian Map - Slice A



Order Details

Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 1000

Site Details

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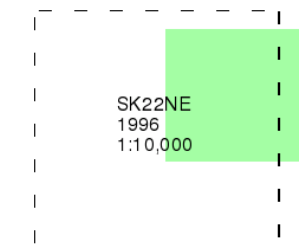
Ordnance Survey Plan

Published 1996

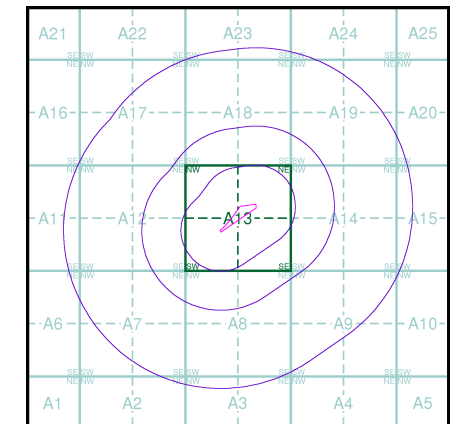
Source map scale - 1:10,000

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

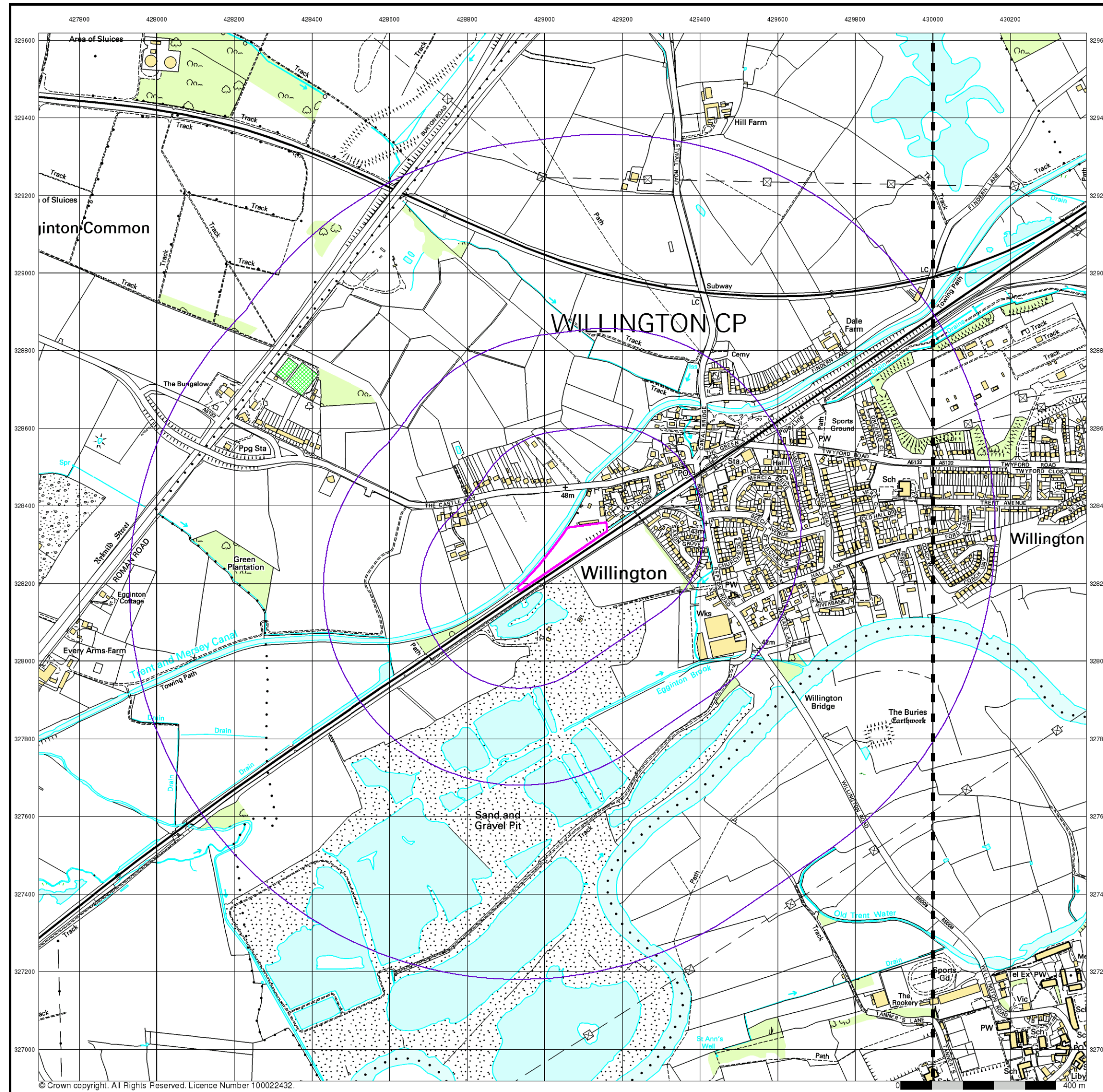
Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 1000

Site Details

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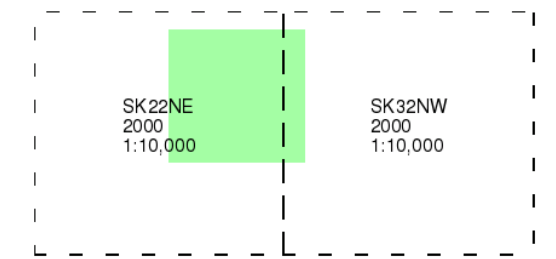
10k Raster Mapping

Published 2000

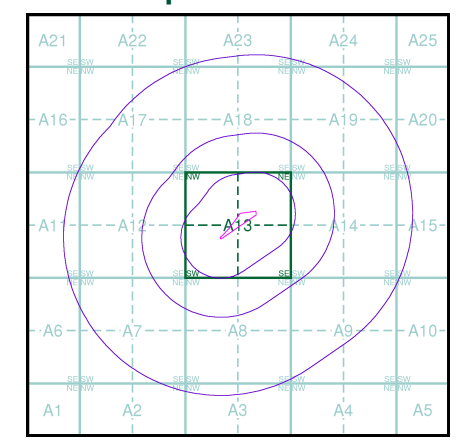
Source map scale - 1:10,000

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)



Historical Map - Slice A



Order Details

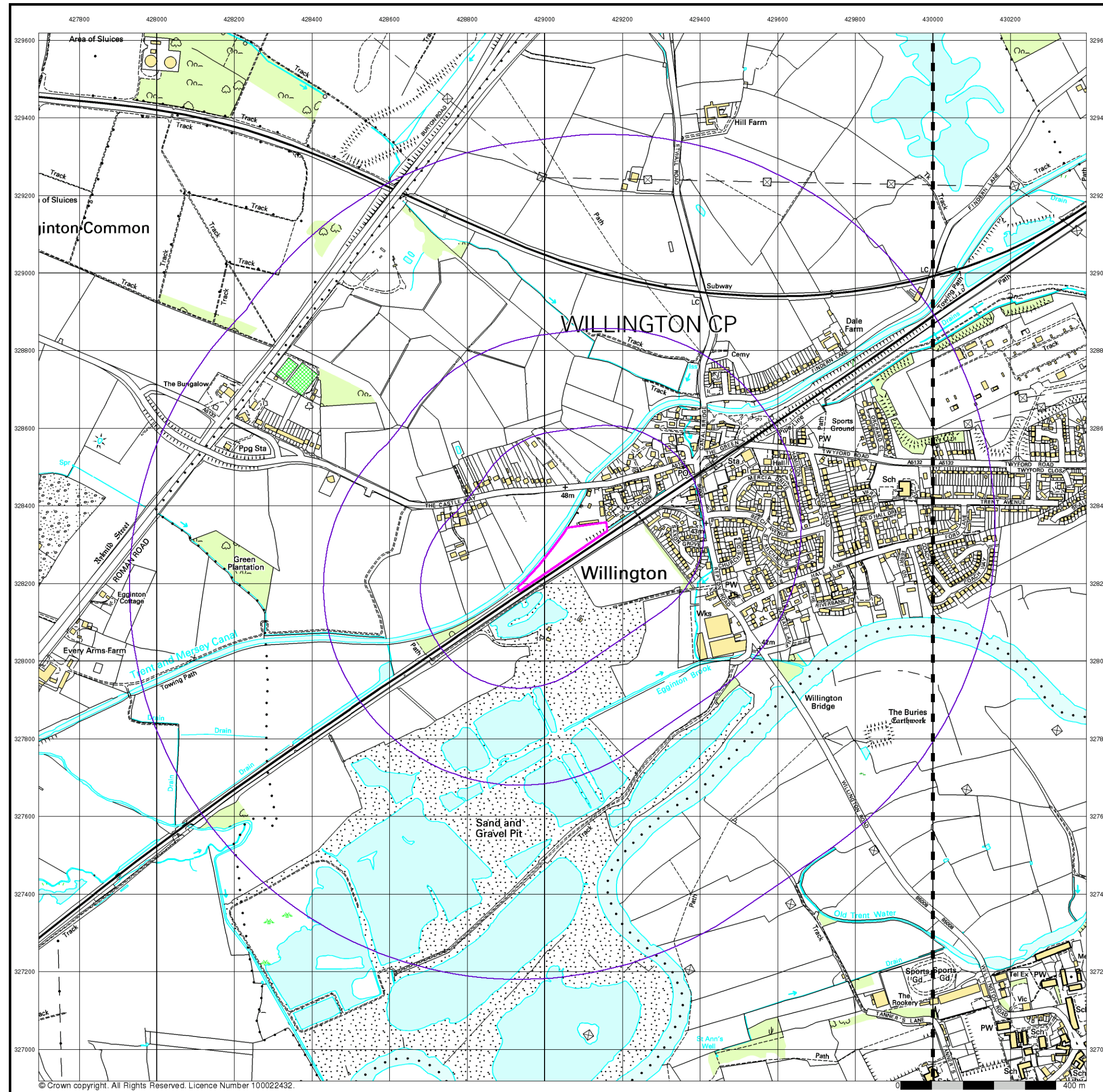
Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
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Site Details

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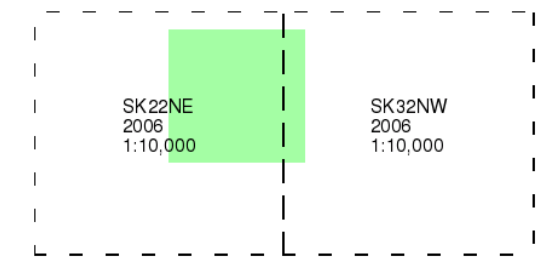
10k Raster Mapping

Published 2006

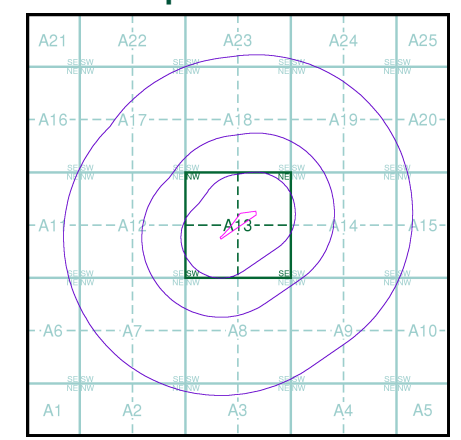
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

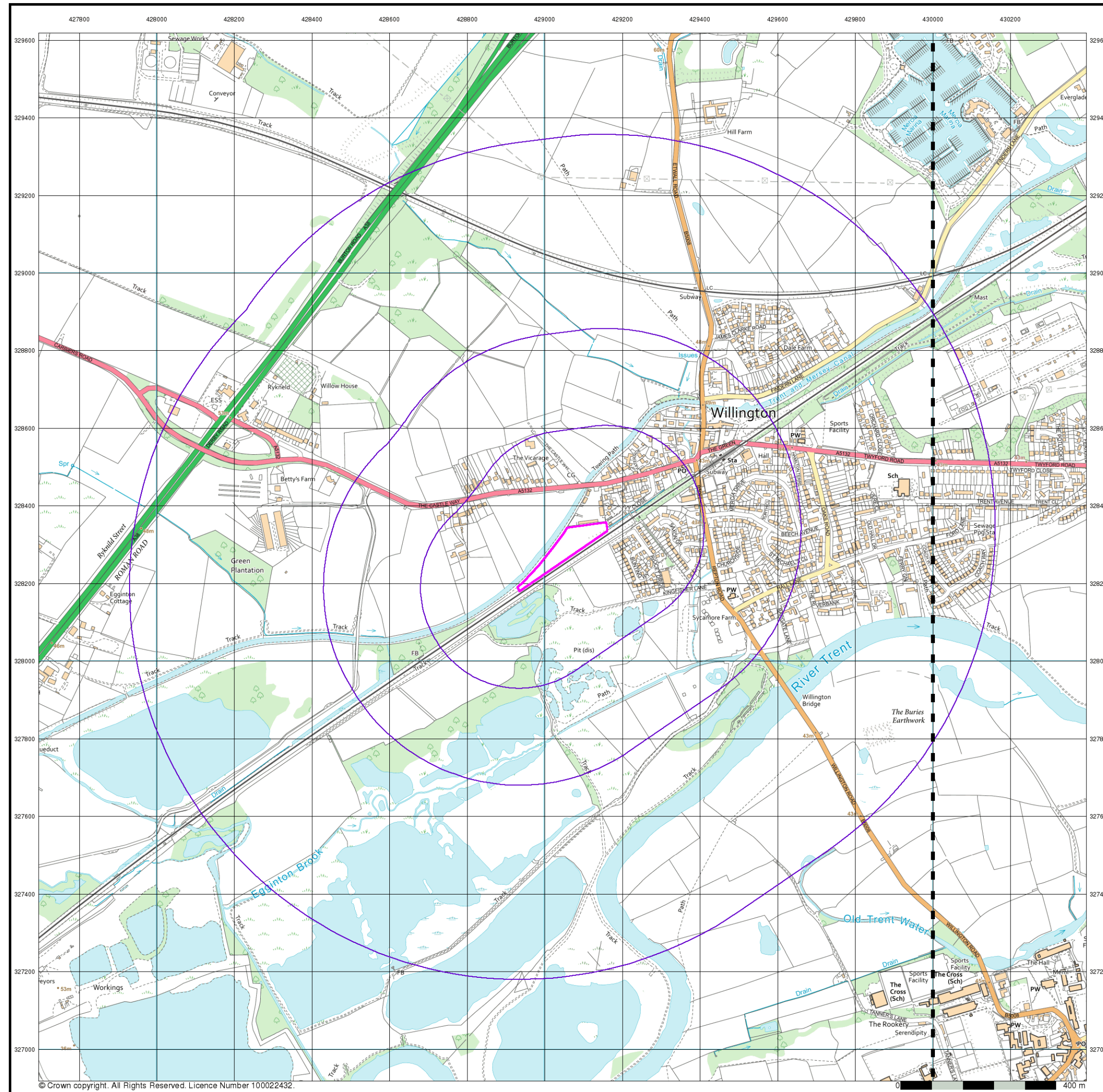
Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 1000

Site Details

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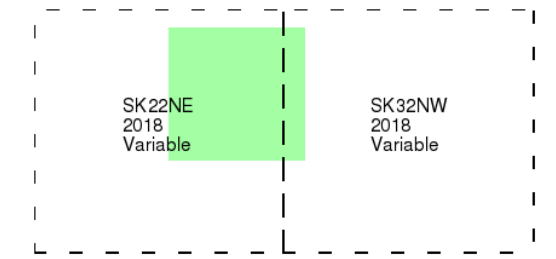
VectorMap Local

Published 2018

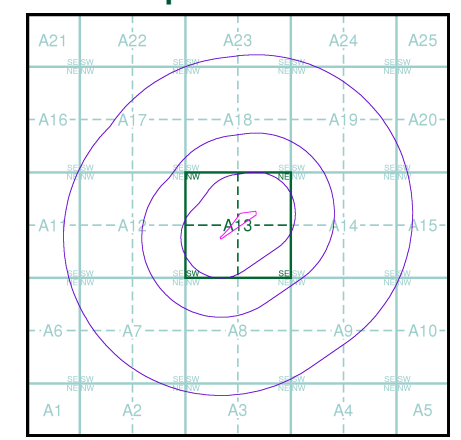
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 190406307_1_1
Customer Ref: Ivy Close
National Grid Reference: 429040, 328270
Slice: A
Site Area (Ha): 1.05
Search Buffer (m): 1000

Site Details

2, Ivy Close, Willington, DERBY, DE65 6BS

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APPENDIX B

Environmental data

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

190406307_1_1

Customer Reference:

Ivy Close

National Grid Reference:

429040, 328270

Slice:

A

Site Area (Ha):

1.05

Search Buffer (m):

1000

Site Details:

2, Ivy Close

Willington

DERBY

DE65 6BS

Client Details:

Dr R Davies

Soil Environment Services Ltd

Unit 8

Stocksfield Hall

Stocksfield

NE43 7TN

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	25
Hazardous Substances	-
Geological	31
Industrial Land Use	38
Sensitive Land Use	43
Data Currency	44
Data Suppliers	50
Useful Contacts	51

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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Peter Brett Associates Copyright Notice

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		3		5
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 3			6	6
Integrated Pollution Prevention And Control	pg 5			1	
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 5		1		3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6		Yes		
Pollution Incidents to Controlled Waters	pg 6		2	4	4
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 8		1	1	1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 9			1	1
Substantiated Pollution Incident Register	pg 10		1		
Water Abstractions	pg 11				1 (*27)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 17	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 18	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 18	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 18		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 18		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences	pg 18		Yes	n/a	n/a
OS Water Network Lines	pg 18		10	21	23

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 25		1	3	3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 26		1		1
Local Authority Landfill Coverage	pg 26	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 26		1	1	4
Potentially Infilled Land (Water)	pg 27			3	3
Registered Landfill Sites	pg 27			2	5
Registered Waste Transfer Sites	pg 30				1
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 31	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 31	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 34		1	3	5
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 36	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 36		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 36	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 36	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 36	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 38			7	9
Fuel Station Entries	pg 39				2
Points of Interest - Commercial Services	pg 39			2	3
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 40		2	4	2
Points of Interest - Public Infrastructure	pg 40			2	10
Points of Interest - Recreational and Environmental	pg 41			3	2
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
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 43	1		1	
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	0	1	429150 328300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	0	1	429044 328273
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	40	1	429200 328350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	49	1	429050 328200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	148	1	429300 328400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	206	1	429044 328550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	213	1	429350 328450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	215	1	428900 328500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	244	1	429050 328600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	270	1	429150 328000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	311	1	428750 328450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	325	1	429450 328500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	390	1	429550 328273
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	393	1	429500 328550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	411	1	429000 328750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	414	1	429450 328650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	421	1	428600 328450
1	Discharge Consents Operator: Derbyshire County Council Property Type: Undefined Or Other Location: Highways Depot, The Castleway, Willington, Willington Authority: Environment Agency, Midlands Region Catchment Area: Trent Catchment To Confluence With Derwent Reference: T/36/07460/T Permit Version: 1 Effective Date: 5th December 1977 Issued Date: 5th December 1977 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Old Eggington Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	60	2	429200 328400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: Willington Pumping Station, Ford Lane, Willington, Derbyshire Authority: Environment Agency, Midlands Region Catchment Area: Trent Catchment To Confluence With Derwent Reference: Dt/6858 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 1st March 2001 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent (Non Tidal) Status: Application refused - 1961 Rivers (Prevention of Pollution) Act Positional Accuracy: Approximate location provided by supplier	A13SW (S)	192	2	429000 328000
2	Discharge Consents Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: Willington Village, Area South Of Twyford Road, Derbyshire Authority: Environment Agency, Midlands Region Catchment Area: Trent Catchment To Confluence With Derwent Reference: Dt/6857 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 19th December 2000 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent (Non Tidal) Status: Application refused - 1961 Rivers (Prevention of Pollution) Act Positional Accuracy: Approximate location provided by supplier	A13SW (S)	192	2	429000 328000
3	Discharge Consents Operator: National Power Plc - Willington Property Type: Production & Distribution Of Electricity Location: Willington Power Station Willington, Derby, Derbyshire, Derbyshire, De6 6df Authority: Environment Agency, Midlands Region Catchment Area: Trent Catchment To Confluence With Derwent Reference: Wq/7/2020 Permit Version: 1 Effective Date: 18th May 1983 Issued Date: 18th May 1983 Revocation Date: 10th May 1991 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Egginton Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A8NE (S)	597	2	429190 327640
4	Discharge Consents Operator: Hanson Quarry Products Europe Limited Property Type: Undefined Or Other Location: Repton Pit Repton Road, Willington, Derbyshire, Derbyshire Authority: Environment Agency, Midlands Region Catchment Area: Trent Catchment To Confluence With Derwent Reference: T/36/45002/T Permit Version: 1 Effective Date: 10th May 1996 Issued Date: 10th May 1996 Revocation Date: 3rd November 2002 Discharge Type: Discharge Of Other Matter-Minewater Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	604	2	429580 327900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Hanson Quarry Prod.europe Ltd Property Type: Extraction Of Stone, Gravel Etc. Location: Repton Pit, Willington, Derbyshire Authority: Environment Agency, Midlands Region Catchment Area: Trent Catchment To Confluence With Derwent Reference: CT/36/45002/T/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 10th May 1996 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent (Non-Tidal) Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	608	2	429580 327895
5	Discharge Consents Operator: Hanson Quarry Products Europe Limited Property Type: Undefined Or Other Location: Repton Pit Repton Road, Willington, Derbyshire, Derbyshire Authority: Environment Agency, Midlands Region Catchment Area: Trent Catchment To Confluence With Derwent Reference: T/36/45002/T Permit Version: 2 Effective Date: 4th November 2002 Issued Date: 4th November 2002 Revocation Date: 31st October 2008 Discharge Type: Discharge Of Other Matter-Minewater Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8SE (S)	678	2	429230 327570
6	Discharge Consents Operator: Severn Trent Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Willington Sps, Derby, Upper Trent Division Authority: Environment Agency, Midlands Region Catchment Area: Trent Catchment To Confluence With Derwent Reference: T/36/12288/O Permit Version: 1 Effective Date: 21st December 1987 Issued Date: 21st December 1987 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Trent (Non Tidal) Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A15SW (E)	974	2	430100 328080
7	Integrated Pollution Controls Name: Calder Industries Ltd Location: Repton Road, Willington, Derby, Derbyshire, DE65 6EW Authority: Environment Agency, Midlands Region Permit Reference: Bu5283 Dated: 28th March 2003 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.2 A (A) Non-ferrous Metal processes within the Metal Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address	A14SW (SE)	458	2	429512 328042
7	Integrated Pollution Controls Name: Calder Industries Ltd Location: Repton Road, Willington, Derby, Derbyshire, DE65 6EW Authority: Environment Agency, Midlands Region Permit Reference: Br8433 Dated: 19th June 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.2 A (A) Non-ferrous Metal processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A14SW (SE)	458	2	429512 328042

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Integrated Pollution Controls Name: Calder Industries Ltd Location: Repton Road, Willington, Derby, Derbyshire, DE65 6EW Authority: Environment Agency, Midlands Region Permit Reference: Bm3272 Dated: 26th October 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.2 A (A) Non-ferrous Metal processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A14SW (SE)	458	2	429512 328042
7	Integrated Pollution Controls Name: Calder Industries Ltd Location: Repton Road, Willington, Derby, Derbyshire, DE65 6EW Authority: Environment Agency, Midlands Region Permit Reference: Bk5215 Dated: 1st June 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.2 A (D) Non-ferrous Metal processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A14SW (SE)	458	2	429512 328042
7	Integrated Pollution Controls Name: Calder Industries Ltd Location: Repton Road, Willington, Derby, Derbyshire, DE65 6EW Authority: Environment Agency, Midlands Region Permit Reference: Bj6925 Dated: 24th November 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.2 A (D) Non-ferrous Metal processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A14SW (SE)	458	2	429512 328042
7	Integrated Pollution Controls Name: Calder Industries Ltd Location: Repton Road, Willington, Derby, Derbyshire, DE65 6EW Authority: Environment Agency, Midlands Region Permit Reference: BE8962 Dated: 10th May 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.2 A (D) Non-ferrous Metal processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A14SW (SE)	458	2	429512 328042
8	Integrated Pollution Controls Name: Rwe Npower Plc Location: P O Box 27, Willington Power Station, Willington, DERBY, Derbyshire, DE65 6DF Authority: Environment Agency, Midlands Region Permit Reference: AS5636 Dated: 8th March 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown	A18NE (N)	920	2	429248 329272
8	Integrated Pollution Controls Name: Rwe Npower Plc Location: P O Box 27, Willington Power Station, Willington, DERBY, Derbyshire, DE65 6DF Authority: Environment Agency, Midlands Region Permit Reference: AR0845 Dated: 21st April 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown	A18NE (N)	925	2	429248 329277
8	Integrated Pollution Controls Name: Rwe Npower Plc Location: P O Box 27, Willington Power Station, Willington, DERBY, Derbyshire, DE65 6DF Authority: Environment Agency, Midlands Region Permit Reference: AK1738 Dated: 8th October 1993 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown	A18NE (N)	925	2	429253 329277

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Integrated Pollution Controls Name: Rwe Npower Plc Location: Willington Power Station, Po Box 27, DERBY, Derby, DE6 6DF Authority: Environment Agency, Midlands Region Permit Reference: BE1933 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation revoked Positional Accuracy: Unknown	A23SE (N)	929	2	429243 329282
8	Integrated Pollution Controls Name: Rwe Npower Plc Location: Willington Power Station, Po Box 27, DERBY, DE6 6DF Authority: Environment Agency, Midlands Region Permit Reference: BA0943 Dated: 20th February 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown	A23SE (N)	930	2	429248 329282
8	Integrated Pollution Controls Name: Rwe Npower Plc Location: P O Box 27, Willington Power Station, Willington, DERBY, Derbyshire, DE65 6DF Authority: Environment Agency, Midlands Region Permit Reference: AV9654 Dated: 4th July 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown	A23SE (N)	930	2	429253 329282
9	Integrated Pollution Prevention And Control Name: Calder Industries Limited Location: Willington Non-ferrous Metal Works, Repton Road, Willington, Derby, DE65 6EW Authority: Environment Agency, Midlands Region Permit Reference: BL2483il Original Permit Ref: BL2483il Effective Date: 28th July 2008 Status: Revoked Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 2.2 A(1) (B) (I) Activity Description: Non-Ferrous Metals; Melting With Capacity Greater Than 4T/D Lead/Cadmium Or 20T/D Others Primary Activity: Y Activity Code: 2.2 B b) Activity Description: Non Ferrous Metals; Heating < 0.2MW to remove grease or oil Primary Activity: N Activity Code: 3.5 B (A) Activity Description: Other Mineral Activities; Any Processing With Release Of Particulates Into Air (Unless A(1) Or A(2)), (Except Stone Ecutting) Primary Activity: N	A14SW (SE)	458	2	429512 328042
10	Local Authority Pollution Prevention and Controls Name: Readymix Concrete Location: Willington Quarry, Castle Way, Willington, DERBY, Derbyshire, DE65 6BW Authority: South Derbyshire District Council, Environmental Health Department Permit Reference: PPC/B/04/10 Dated: 15th January 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13SE (S)	151	3	429093 328105
11	Local Authority Pollution Prevention and Controls Name: Brobot Petroleum Ltd - Y-Pas Southbound Location: A38 Burton Road, WILLINGTON, Derbyshire, DE65 6GY Authority: South Derbyshire District Council, Environmental Health Department Permit Reference: EP/PVR/009 Dated: 27th May 2009 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	826	3	428250 328658

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Local Authority Pollution Prevention and Controls Name: ARC Ltd Location: Willington Plant , Ryknild Street, WILLINGTON, Derbyshire, DE65 6BX Authority: South Derbyshire District Council, Environmental Health Department Permit Reference: 03/01/02 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	865	3	428473 328980
13	Local Authority Pollution Prevention and Controls Name: Brobot Petroleum Ltd - Y-Pas Nothbound A38 / Southbound Location: A38 Burton Road, WILLINGTON, Derbyshire, DE65 6GY Authority: South Derbyshire District Council, Environmental Health Department Permit Reference: EP/PVR/008 Dated: 27th May 2009 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A17SW (NW)	907	3	428179 328698
	Nearest Surface Water Feature	A13NW (NW)	5	-	429016 328294
14	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Meadow Lane, WILLINGTON Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Unknown Note: Pride Of Derby Pool; Dead Fish; Fish Killed Incident Date: 21st October 1995 Incident Reference: 1000422 Catchment Area: Trent Catchment : Trent To Confluence With Derwent Receiving Water: Pond/Lake Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	53	2	429200 328300
15	Pollution Incidents to Controlled Waters Property Type: Road (Road Traffic Accident) Location: A38 Road, South Bound, Near Toyota Plant, DERBY Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Road Traffic Accident Overturned Lorry 80 Gallons Diesel To Grnd; Amenity Effected Incident Date: 19th September 1997 Incident Reference: 2803377 Catchment Area: Trent Catchment : Lower Dove Receiving Water: Not Given Cause of Incident: Collision Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	223	2	428900 328500
16	Pollution Incidents to Controlled Waters Property Type: Ships/Boats Location: Up Stream Road Bridge , WILLINGTON Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Amenity Affected; Oil Plug Incident Date: 21st November 1998 Incident Reference: 2805342 Catchment Area: Trent Catchment : Trent To Confluence With Derwent Receiving Water: Canal Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	343	2	429400 328600
16	Pollution Incidents to Controlled Waters Property Type: Ships/Boats Location: Betw Willington/, EGGINGTON Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Trent Mersey Can; Diesel; Amenity Affected Incident Date: 6th November 1995 Incident Reference: 1000478 Catchment Area: Trent Catchment : Trent To Confluence With Derwent Receiving Water: Canal Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	380	2	429450 328600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Pollution Incidents to Controlled Waters Property Type: Fire Water Location: Repton Road, WILLINGTON Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Run Off From Fire Incident Date: 6th May 1999 Incident Reference: 2805978 Catchment Area: Trent Catchment : Trent To Confluence With Derwent Receiving Water: Watercourse Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	355	2	429300 328000
18	Pollution Incidents to Controlled Waters Property Type: Sheep Location: Location Description Not Available., WILLINGTON Authority: Environment Agency, Midlands Region Pollutant: Organic Wastes: Animal Carcasses Note: Dead Sheep Incident Date: 30th March 1999 Incident Reference: 2805883 Catchment Area: Trent Catchment : Trent To Confluence With Derwent Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	371	2	429500 328500
19	Pollution Incidents to Controlled Waters Property Type: Sheep Location: Off Ford Lane, Willington, DERBY, Derbyshire, DE Authority: Environment Agency, Midlands Region Pollutant: Organic Wastes: Animal Carcasses Note: Trent; 2 Dead Sheep; Amenity Affected; Incident Date: 10th June 1999 Incident Reference: 2806177 Catchment Area: Trent Catchment : Upper Derwent To Yorkshire Bridge Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A14SE (E)	873	2	430001 328101
20	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Foot Path, Off Hall Lane, WILLINGTON Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: Amenity Affected; River Trent; Washing Machine Water To Watercourse Incident Date: 21st April 1997 Incident Reference: 2802404 Catchment Area: Trent Catchment : Trent To Confluence With Derwent Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A15SW (E)	958	2	430100 328150
20	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Coach Lane, WILLINGTON Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: River Trent; Wrong Connections; Amenity Effectuated Incident Date: 31st October 1997 Incident Reference: 2803590 Catchment Area: Trent Catchment : Trent To Confluence With Derwent Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A15SW (E)	969	2	430100 328100
21	Pollution Incidents to Controlled Waters Property Type: Arable Location: In Backwater Parallel With , Kegworth Shallow Lock Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Amenity Affected; Red Diesel In Watercourse Incident Date: 17th August 1998 Incident Reference: 2804955 Catchment Area: Trent Catchment : Soar To Confluence With Kingston Brook Receiving Water: Watercourse Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	966	2	428410 327370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Trent & Mersey GQA Grade: River Quality C Reach: High Br Egginton To Conf. R. Trent Estimated Distance (km): 19 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A13NW (NW)	13	2	429008 328307
	River Quality Name: Eggington Bk GQA Grade: River Quality C Reach: A38 Road Bridge To Conf With R.Trent Estimated Distance (km): 2.1 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A8NE (S)	481	2	429214 327767
	River Quality Name: Trent R GQA Grade: River Quality C Reach: Conf. R. Dove To Conf. Hell Bk Estimated Distance (km): 6 Flow Rate: Flow less than 80 cumecs Flow Type: River Year: 2000	A9NW (SE)	691	2	429539 327743

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	River Quality Chemistry Sampling Points Name: Egginton Bk Reach: A38 Road Bridge To Confluence With River Trent Estimated Distance: 2.10 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor 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 D - Fair Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly 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 B - Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly 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 C - Fairly Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied	A14SW (SE)	470	2	429506 328016

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	River Quality Chemistry Sampling Points Name: Trent River Reach: Confluence River Dove To Confluence Hell Brook Estimated Distance: 6.00 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good 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 B - 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 B - 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 A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very 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	A9NW (SE)	628	2	429627 327914
24	Substantiated Pollution Incident Register Authority: Environment Agency - Midlands Region, East Area Incident Date: 27th March 2003 Incident Reference: 146426 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Oils - Unknown	A13NE (N)	77	2	429097 328426

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Water Abstractions Operator: J Spalton Licence Number: 03/28/36/0048 Permit Version: 100 Location: Dale Farm, Willington - Well Authority: Environment Agency, Midlands Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dale Farm, Willington - Well Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	700	2	429700 328800
	Water Abstractions Operator: Gh&DI Hodgetts Licence Number: 03/28/36/0184/1 Permit Version: 101 Location: Egginton - Egginton Brook Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Three Areas At Egginton Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1322	2	427680 327760
	Water Abstractions Operator: Mercer Farming Ltd Licence Number: 03/28/36/0184/1 Permit Version: 100 Location: Egginton - Egginton Brook Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Three Areas At Egginton Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 10th January 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1322	2	427680 327760
	Water Abstractions Operator: Mercer Farming Ltd Licence Number: 03/28/36/0184 Permit Version: 1 Location: Egginton - Egginton Brook Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Three Areas At Egginton Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 5th July 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1322	2	427680 327760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Severn Trent Water Limited Licence Number: 03/28/36/0168 Permit Version: 101 Location: Land At Etwall - Borehole Authority: Environment Agency, Midlands Region Abstraction: Water supply related: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Etwall - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 22nd October 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SW (NW)	1604	2	428050 329590
	Water Abstractions Operator: Severn Trent Water Limited Licence Number: 03/28/36/0168 Permit Version: 102 Location: Land At Etwall - Borehole Authority: Environment Agency, Midlands Region Abstraction: Water supply related: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Etwall - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 22nd October 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SW (NW)	1604	2	428050 329590
	Water Abstractions Operator: Severn Trent Water Limited Licence Number: 03/28/36/0168 Permit Version: 100 Location: Land At Etwall - Borehole Authority: Environment Agency, Midlands Region Abstraction: Water supply related: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Etwall - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1604	2	428050 329590
	Water Abstractions Operator: Mpf Generation Limited Licence Number: 03/28/36/0144 Permit Version: 106 Location: Willington - Borehole Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Willington - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 20th May 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20SE (E)	1644	2	430720 328870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Rwe Generation Uk Plc Licence Number: 03/28/36/0144 Permit Version: 105 Location: Willington - Borehole Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Willington - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 12th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20SE (E)	1644	2	430720 328870
	Water Abstractions Operator: Rwe Npower Plc Licence Number: 03/28/36/0144 Permit Version: 104 Location: Willington - Borehole Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Willington - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 2nd August 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20SE (E)	1644	2	430720 328870
	Water Abstractions Operator: Rwe Innogy Plc Licence Number: 03/28/36/0144 Permit Version: 103 Location: Willington - Borehole Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Willington - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st October 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20SE (E)	1644	2	430720 328870
	Water Abstractions Operator: Innogy Plc Licence Number: 03/28/36/0144 Permit Version: 102 Location: Willington - Borehole Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Willington - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 18th August 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20SE (E)	1644	2	430720 328870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Npower Licence Number: 03/28/36/0144 Permit Version: 101 Location: Willington - Borehole Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Willington - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 16th March 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20SE (E)	1644	2	430720 328870
	Water Abstractions Operator: National Power Company Licence Number: 03/28/36/0144 Permit Version: 100 Location: Willington - Borehole Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Willington - Borehole Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 13th December 1983 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A20SE (E)	1644	2	430720 328870
	Water Abstractions Operator: Npower Licence Number: 03/28/36/0071 Permit Version: 102 Location: Willington Power Station - River Trent Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Willington Power Station - R Trent Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 16th March 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1693	2	430850 328440
	Water Abstractions Operator: National Power Company Licence Number: 03/28/36/0071 Permit Version: 100 Location: Willington Power Station - River Trent Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Willington Power Station - R Trent Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 13th July 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1693	2	430850 328440

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mpf Generation Limited Licence Number: Md/028/0036/002 Permit Version: 6 Location: Willington Power Station Authority: Environment Agency, Midlands Region Abstraction: Production Of Energy: Non-Evaporative Cooling 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 April Authorised End: 31 March Permit Start Date: 23rd February 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1717	2	430875 328426
	Water Abstractions Operator: Mpf Generation Limited Licence Number: Md/028/0036/002 Permit Version: 5 Location: Willington Power Station Authority: Environment Agency, Midlands Region Abstraction: Production Of Energy: Non-Evaporative Cooling 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 April Authorised End: 31 March Permit Start Date: 20th May 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1717	2	430875 328426
	Water Abstractions Operator: Rwe Generation Uk Plc Licence Number: Md/028/0036/002 Permit Version: 4 Location: Willington Power Station Authority: Environment Agency, Midlands Region Abstraction: Production Of Energy: Non-Evaporative Cooling 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 April Authorised End: 31 March Permit Start Date: 12th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1717	2	430875 328426
	Water Abstractions Operator: Rwe Npower Plc Licence Number: Md/028/0036/002 Permit Version: 3 Location: Willington Power Station Authority: Environment Agency, Midlands Region Abstraction: Production Of Energy: Non-Evaporative Cooling 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 April Authorised End: 31 March Permit Start Date: 8th February 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1717	2	430875 328426

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Rwe Npower Plc Licence Number: Md/028/0036/002 Permit Version: 1 Location: Willington Power Station Authority: Environment Agency, Midlands Region Abstraction: Production Of Energy: Non-Evaporative Cooling 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 April Authorised End: 31 March Permit Start Date: 8th March 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1717	2	430875 328426
	Water Abstractions Operator: Rwe Npower Plc Licence Number: Md/028/0036/002 Permit Version: 1 Location: Willington Power Station Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: Evaporative Cooling 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 April Authorised End: 31 March Permit Start Date: 8th March 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1717	2	430875 328426
	Water Abstractions Operator: Rwe Npower Plc Licence Number: Md/028/0036/002 Permit Version: 1 Location: Willington Power Station Authority: Environment Agency, Midlands Region Abstraction: Production of Energy: General Use (Medium Loss) 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 April Authorised End: 31 March Permit Start Date: 8th March 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1717	2	430875 328426
	Water Abstractions Operator: D Ferneyhough & Co Licence Number: 03/28/36/0164 Permit Version: 101 Location: Land At Eggington - Eggington Brook -2 Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Eggington - Eggington Brook Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 13th August 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1932	2	427020 328480

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: D Ferneyhough & Co Licence Number: 03/28/36/0164 Permit Version: 100 Location: Land At Eggington - Eggington Brook -2 Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Eggington - Eggington Brook Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 30th September 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1932	2	427020 328480
	Water Abstractions Operator: Gh&DI Hodgetts Licence Number: 03/28/36/0184/1 Permit Version: 101 Location: Eggington - River Trent Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Three Areas At Eggington Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1967	2	428100 326400
	Water Abstractions Operator: Mercer Farming Ltd Licence Number: 03/28/36/0184/1 Permit Version: 100 Location: Eggington - River Trent Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Three Areas At Eggington Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 10th January 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1967	2	428100 326400
	Water Abstractions Operator: Mercer Farming Ltd Licence Number: 03/28/36/0184 Permit Version: 1 Location: Eggington - River Trent Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Three Areas At Eggington Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 5th July 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1967	2	428100 326400
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H2) - Deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	A13NW (W)	0	2	429044 328273

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 23 Leicestershire Scale: 1:100,000	A13NE (E)	0	2	429078 328287
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A13NW (W)	0	4	429044 328273
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (W)	0	4	429044 328273
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (S)	110	2	429088 328106
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13SW (S)	154	2	428976 328032
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	174	2	429335 328242
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SW (S)	191	2	428998 328000
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	236	2	429330 328170
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	237	2	429331 328170
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	246	2	428729 328047
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (S)	187	2	429016 327992
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NE (NE)	78	2	429230 328389
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13NE (NE)	7	5	429167 328343

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 1014.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trent and Mersey Canal Catchment Name: Trent Primacy: 1	A13NW (NW)	11	5	429011 328298
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A13NE (NE)	173	5	429310 328441
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (E)	246	5	429401 328401
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (E)	246	5	429406 328367
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (E)	247	5	429406 328363
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (E)	247	5	429408 328354
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (NE)	248	5	429395 328430
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (NE)	249	5	429393 328439
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (NE)	250	5	429391 328447

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (NE)	252	5	429391 328455
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	A14NW (NE)	260	5	429387 328479
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 170.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14SW (E)	272	5	429389 328181
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14SW (E)	278	5	429427 328257
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 168.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	A13NE (NE)	280	5	429381 328527
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14SW (SE)	325	5	429387 328102
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14SW (SE)	328	5	429388 328099
43	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trent and Mersey Canal Catchment Name: Trent Primacy: 1	A12SE (SW)	364	5	428593 328052
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18SE (NE)	364	5	429346 328669

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 1206.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trent and Mersey Canal Catchment Name: Trent Primacy: 1	A18SE (NE)	364	5	429346 328669
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 651.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SE (SW)	364	5	428593 328052
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 346.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SE (SW)	365	5	428588 328061
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SE (SW)	366	5	428589 328058
49	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 2162.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trent and Mersey Canal Catchment Name: Trent Primacy: 1	A12SE (SW)	368	5	428589 328052
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1519.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Egginton Brook Catchment Name: Trent Primacy: 1	A8NE (SE)	369	5	429225 327914
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18SE (NE)	373	5	429346 328679
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 286.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18SE (NE)	387	5	429247 328734
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 79.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18SE (NE)	389	5	429346 328697

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Egginton Brook Catchment Name: Trent Primacy: 1	A14SW (SE)	417	5	429396 327991
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18SE (N)	461	5	429124 328817
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 502.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18SE (N)	465	5	429126 328821
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Egginton Brook Catchment Name: Trent Primacy: 1	A14SW (SE)	523	5	429565 328003
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14SW (SE)	584	5	429649 328015
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Egginton Brook Catchment Name: Trent Primacy: 1	A14SW (SE)	619	5	429670 327983
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1794.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Trent Catchment Name: Trent Primacy: 1	A9NW (SE)	629	5	429546 327829
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 691.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Trent Catchment Name: Trent Primacy: 1	A14SW (SE)	643	5	429682 327958
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 335.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SE (NE)	646	5	429725 328667

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 530.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SW (W)	654	5	428279 328122
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12SW (W)	657	5	428279 328104
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 162.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17NE (NW)	733	5	428654 328954
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SE (NE)	770	5	429842 328711
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 136.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A18NW (N)	814	5	428732 329088
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7NW (SW)	910	5	428238 327596
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 279.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Egginton Brook Catchment Name: Trent Primacy: 1	A7SW (SW)	917	5	428239 327583
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Egginton Brook Catchment Name: Trent Primacy: 1	A7SW (SW)	918	5	428236 327586
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 282.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7SW (SW)	928	5	428224 327584

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 199.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Egginton Brook Catchment Name: Trent Primacy: 1	A7SW (SW)	928	5	428224 327584
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SE (NE)	933	5	429965 328824
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17NE (NW)	942	5	428636 329186
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	A19SE (NE)	976	5	430009 328836
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	A19SE (NE)	976	5	430009 328836
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SE (NE)	977	5	430004 328845
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	A19SE (NE)	977	5	430012 328832
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A19SE (NE)	977	5	430015 328826

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	Historical Landfill Sites Licence Holder: National Power Plc Location: Willington, Derbyshire Name: Willington Power Station/Land to West of Repton Road Operator Location: Willington Power Station, PO Box 27, Derby Boundary Accuracy: As Supplied Provider Reference: EAHLD23813 First Input Date: 31st December 1983 Last Input Date: 31st December 1997 Specified Waste: Deposited Waste included Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: LW43, 1000/1001	A13SW (S)	244	2	428979 327940
81	Historical Landfill Sites Licence Holder: National Power Plc Location: Repton Road, Willington, Derbyshire Name: Land to the West of Repton Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23795 First Input Date: 31st December 1978 Last Input Date: 31st December 1983 Specified Waste: Deposited Waste included Industrial Waste and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1000/0278 BGS Ref: Not Supplied Other Ref: LR12, 155	A8NE (SE)	375	2	429227 327907
82	Historical Landfill Sites Licence Holder: Central Electricity Generating Board Location: Land to the West Of Repton Road, Repton Road, Willington, Derbyshire Name: Repton Ash Disposal Site Operator Location: Midlands Region, Haslucks Green Road, Shirley, Solihull, Birmingham Boundary Accuracy: As Supplied Provider Reference: EAHLD23796 First Input Date: 31st December 1974 Last Input Date: 31st January 1984 Specified Waste: Deposited Waste included Industrial Waste and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1000/0336 BGS Ref: Not Supplied Other Ref: LW11, 211	A7NE (SW)	388	2	428680 327889
83	Historical Landfill Sites Licence Holder: G F Tonlinson Group Limited Location: Willington, Derbyshire Name: Land Off A38 Operator Location: City Road, Derby Boundary Accuracy: As Supplied Provider Reference: EAHLD23792 First Input Date: 31st December 1983 Last Input Date: 28th February 1992 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1000/0350 BGS Ref: Not Supplied Other Ref: LW44, 244	A18SW (NW)	415	2	428738 328607
84	Historical Landfill Sites Licence Holder: Central Electricity Generating Board Location: Land to the West Of Repton Road, Repton Road, Willington, Derbyshire Name: Repton Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23798 First Input Date: 7th January 1981 Last Input Date: 13th December 1989 Specified Waste: Deposited Waste included Industrial Waste and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1000/0345 BGS Ref: Not Supplied Other Ref: 219, LW25	A7NE (SW)	641	2	428520 327692

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	Historical Landfill Sites Licence Holder: National Power Plc/Central Electricity Generating Board Location: Repton Road, Willington, Derbyshire Name: Land to the West of Repton Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23799 First Input Date: 31st December 1989 Last Input Date: 30th June 1999 Specified Waste: Deposited Waste included Industrial Waste and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1000/0259 BGS Ref: Not Supplied Other Ref: LW45, 137	A7SE (SW)	652	2	428673 327584
86	Historical Landfill Sites Licence Holder: City Plant Hire (Derby) Limited Location: Etwall Sand and Gravel Pit, Etwall, Derbyshire Name: Land Off Carriers Road Operator Location: City Road, Derby Boundary Accuracy: As Supplied Provider Reference: EAHLD23793 First Input Date: 31st December 1989 Last Input Date: 31st December 1990 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1000/0153 BGS Ref: Not Supplied Other Ref: LE37	A17SW (NW)	884	2	428300 328816
87	Licensed Waste Management Facilities (Locations) Licence Number: 43562 Location: Willington Depot, The Castleway, Willington, Derby, Derbyshire, DE65 6BT Operator Name: Derbyshire County Council Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, East Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Surrendered Issued: 7th May 2004 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 23rd December 2011 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	40	2	429110 328390
88	Licensed Waste Management Facilities (Locations) Licence Number: 43257 Location: Land To West Of Repton Road, Willington, Derby, Derbyshire Operator Name: National Power Plc Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, East Area Site Category: Lagoons Licence Status: Surrendered Issued: 10th April 1989 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 17th October 2001 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SE (S)	911	2	428700 327300
	Local Authority Landfill Coverage Name: South Derbyshire District Council - Has no landfill data to supply		0	6	429044 328273
	Local Authority Landfill Coverage Name: Derbyshire County Council - Had landfill data but passed it to the relevant environment agency		0	7	429044 328273
89	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13SE (SE)	30	-	429095 328226

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A19SW (NE)	408	-	429413 328676
91	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A18SW (NW)	643	-	428767 328917
92	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A17NE (NW)	826	-	428526 328974
93	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A18NE (N)	840	-	429171 329197
94	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A17NE (NW)	894	-	428509 329049
95	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1924	A14NW (E)	313	-	429467 328273
96	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1924	A14NW (E)	325	-	429485 328328
97	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NE (W)	354	-	428656 328412
98	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1924	A17SE (NW)	695	-	428486 328738
99	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NE (SW)	734	-	428494 327595
100	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NW (W)	734	-	428213 328344
101	Registered Landfill Sites Licence Holder: C.E.G.B. Midlands Region Licence Reference: LR12 Site Location: Land To West Of Repton Road, Willington, Derby, Derbyshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Willington Power Station, P.O.Box 27, DERBY, Derbyshire, DE6 6DF Authority: Environment Agency - Midlands Region, Lower Trent Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1978 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good Authorised Waste: Pulverised Fuel Ash Prohibited Waste: Poisonous, Noxious, Polluting Wastes	A8NE (S)	369	2	429126 327864

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	Registered Landfill Sites Licence Holder: C.E.G.B. Midlands Region Licence Reference: LW11 Site Location: Repton Ash Disposal Site, Willington, Derby, Derbyshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: As Site Address Authority: Environment Agency - Midlands Region, Lower Trent Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1978 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good Authorised Waste: Pulverised Fuel Ash	A7NE (SW)	395	2	428631 327928
103	Registered Landfill Sites Licence Holder: National Power Plc Licence Reference: LW43 Site Location: Land West Of Repton Road, Willington, Derby, Derbyshire Licence Easting: 429000 Licence Northing: 327600 Operator Location: Willinton Power Station, P O Box 27, DERBY, Derbyshire, DE6 6DF Authority: Environment Agency - Midlands Region, Lower Trent Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st August 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Pulverised Fuel Ash Prohibited Waste: Poisonous, Noxious, Polluting Wastes	A8NW (S)	584	2	429000 327600
104	Registered Landfill Sites Licence Holder: G F Tomlinson Group Ltd Licence Reference: LW44 Site Location: Off A38, Willington, Derby, Derbyshire Licence Easting: 428600 Licence Northing: 328900 Operator Location: City Road, DERBY, Derbyshire, DE1 3RQ Authority: Environment Agency - Midlands Region, Lower Trent Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st November 1986 Preceded By: LW44 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Non-Haz.Ind. Waste Inert & No-Flam. Pulverised Fuel Ash Prohibited Waste: Poisonous, Noxious, Polluting Wastes	A17SE (NW)	721	2	428600 328900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	Registered Landfill Sites Licence Holder: G F Tomlinson Group Ltd Licence Reference: LW44 Site Location: Off A38, Willington, Derby, Derbyshire Licence Easting: 428600 Licence Northing: 328900 Operator Location: City Road, DERBY, Derbyshire, DE1 3RQ Authority: Environment Agency - Midlands Region, Lower Trent Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 1st June 1983 Preceded By: Not Given Licence: Superseded By: LW44 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction Ind. Wastes Prohibited Waste: Poisonous, Noxious, Polluting Wastes	A17SE (NW)	721	2	428600 328900
105	Registered Landfill Sites Licence Holder: C.E.G.B. Midlands Region Licence Reference: LW25 Site Location: West Of Repton Road, Willington, Derby, Derbyshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Haslucks Green Road, Shirley, SOLIHULL, West Midlands, B90 4PD Authority: Environment Agency - Midlands Region, Lower Trent Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1978 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good Authorised Waste: Pulverised Fuel Ash Sludge Prohibited Waste: Poisonous, Noxious, Polluting Wastes Waste N.O.S.	A7NW (SW)	818	2	428326 327636
106	Registered Landfill Sites Licence Holder: National Power Plc Licence Reference: LW45 Site Location: Land To West Of Repton Road, Willington, Derby, Derbyshire Licence Easting: 428600 Licence Northing: 327400 Operator Location: Willinton Power Station, P O Box 27, DERBY, Derbyshire, DE6 6DF Authority: Environment Agency - Midlands Region, Lower Trent Area Site Category: Landfill - with lagoon Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: Only waste produced on site Restrictions: Status: Licence has completion certificateSurrendered Dated: 1st June 1978 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Pulverised Fuel Ash Prohibited Waste: Poisonous, Noxious, Polluting Wastes	A7SE (SW)	849	2	428600 327400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	Registered Waste Transfer Sites Licence Holder: National Power Plc Licence Reference: PW05 (LW32) Site Location: Ash Pipe Line Willington/Eggington, Burton Upon Trent, Staffordshire Operator Location: Willinton Power Station, P O Box 27, DERBY, Derbyshire, DE6 6DF Authority: Environment Agency - Midlands Region, Lower Trent Area Site Category: Pipeline Max Input Rate: Undefined Waste Source: Waste produced/controlled by licence holder Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st April 1980 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Pulverised Fuel Ash	A7NE (SW)	586	2	428600 327700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13NW (W)	0	1	429044 328273
	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 - 30 mg/kg	A13NW (W)	0	1	429044 328273
	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 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	143	1	429044 328500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SW (E)	304	1	429444 328227
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (S)	369	1	429000 327817
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SW (N)	509	1	429000 328849
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NE (SE)	511	1	429337 327836

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	633	1	428299 328138
	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:	A18NW (N)	643	1	429044 329000
	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:	A12SW (W)	655	1	428304 328000
	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 30 - 45 mg/kg Concentration:	A8SW (S)	668	1	429000 327515
	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 30 - 45 mg/kg Concentration:	A9NW (SE)	675	1	429692 327919
	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 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	683	1	429122 329043

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	693	1	429694 327892
	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:	A9NW (SE)	717	1	429588 327757
	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 30 - 45 mg/kg Concentration:	A9NW (SE)	718	1	429434 327647
	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 30 - 45 mg/kg Concentration:	A9NE (SE)	736	1	429721 327858
	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 40 - 60 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	862	1	428500 329000
	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 30 - 45 mg/kg Concentration:	A14SE (E)	870	1	430000 328109

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	892	1	429360 329225
	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:	A14SE (E)	904	1	430000 328000
	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 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (E)	913	1	430059 328178
	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:	A7SW (SW)	913	1	428244 327585
	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 30 - 45 mg/kg Concentration:	A19SE (NE)	942	1	430000 328779
108	BGS Recorded Mineral Sites Site Name: Repton Location: Repton, Derby, Derbyshire Source: British Geological Survey, National Geoscience Information Service Reference: 1350 Type: Opencast Status: Ceased Operator: Hanson Aggregates, Central Region Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Trent Gravel Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 100m	A13SE (S)	159	1	429100 328100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	BGS Recorded Mineral Sites Site Name: Willington Gravels Location: Willington, Derby, Derbyshire Source: British Geological Survey, National Geoscience Information Service Reference: 34580 Type: Opencast Status: Ceased Operator: Hilton Gravel Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Egginton Common Sand & Gravel Member, Trent Valley Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SW (N)	368	1	428900 328675
110	BGS Recorded Mineral Sites Site Name: Repton Location: Willington, Derby, Derbyshire Source: British Geological Survey, National Geoscience Information Service Reference: 66763 Type: Opencast Status: Ceased Operator: Hanson Aggregates, Central Region Operator Location: Not Supplied Periodic Type: Pleistocene Geology: Hemington Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	404	1	428830 327790
111	BGS Recorded Mineral Sites Site Name: Willington Location: Willington, Derby, Derbyshire Source: British Geological Survey, National Geoscience Information Service Reference: 34585 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Etwall Sand & Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	470	1	429457 328720
112	BGS Recorded Mineral Sites Site Name: Willington Gravels Location: Willington, Derby, Derbyshire Source: British Geological Survey, National Geoscience Information Service Reference: 34579 Type: Opencast Status: Ceased Operator: Hilton Gravel Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Egginton Common Sand & Gravel Member, Trent Valley Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	693	1	428645 328900
113	BGS Recorded Mineral Sites Site Name: Repton Location: Willington, Derby, Derbyshire Source: British Geological Survey, National Geoscience Information Service Reference: 66764 Type: Opencast Status: Ceased Operator: Hanson Aggregates, Central Region Operator Location: Not Supplied Periodic Type: Pleistocene Geology: Hemington Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8SW (S)	699	1	428775 327500
114	BGS Recorded Mineral Sites Site Name: Willington Location: Willington, Derby, Derbyshire Source: British Geological Survey, National Geoscience Information Service Reference: 66762 Type: Opencast Status: Ceased Operator: Cemex Uk Materials Ltd. Operator Location: Not Supplied Periodic Type: Pleistocene Geology: Holme Pierrepont Sand And Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	818	1	428195 327830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	BGS Recorded Mineral Sites Site Name: Willington Location: Willington, Derby, Derbyshire Source: British Geological Survey, National Geoscience Information Service Reference: 34581 Type: Opencast Status: Ceased Operator: Hilton Gravel Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Egginton Common Sand & Gravel Member, Trent Valley Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18NW (N)	848	1	429030 329195
116	BGS Recorded Mineral Sites Site Name: Heath Flat Location: Egginton, Derby, Derbyshire Source: British Geological Survey, National Geoscience Information Service Reference: 34572 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Egginton Common Sand & Gravel Member, Trent Valley Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	851	1	428545 329022
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	429044 328273
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	134	1	429280 328413
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	429044 328273
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	23	1	429067 328239
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	429044 328273
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	429044 328273
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	429030 328308
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	429044 328273
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	134	1	429280 328413
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	220	1	428942 328534
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	429044 328273

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	70	1	429087 328196
	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 (W)	0	1	429044 328273
	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 (W)	0	1	429044 328273

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	Contemporary Trade Directory Entries Name: Pure Tinctoria Location: 9, Beech Avenue, Willington, Derby, DE65 6DB Classification: Dyers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	361	-	429517 328395
118	Contemporary Trade Directory Entries Name: Acres (Willington) Ltd Location: Twyford Road, Willington, Derby, DE65 6DE Classification: Metal Products - Fabricated Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	411	-	429528 328535
119	Contemporary Trade Directory Entries Name: Bionical Ltd Location: Unit 10, 2, Findern Lane, Willington, Derby, DE65 6DW Classification: Chemists' & Pharmacists' Suppliers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	443	-	429469 328672
120	Contemporary Trade Directory Entries Name: Calder Industries Ltd Location: Repton Road, Willington, Derby, DE65 6EW Classification: Foundries Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	458	-	429512 328042
121	Contemporary Trade Directory Entries Name: Willington Services Location: 1 Bargate La, Willington, Derby, Derbyshire, DE65 6BY Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SW (E)	472	-	429607 328182
121	Contemporary Trade Directory Entries Name: Willington Village Garage Location: Old Forge, Bargate Lane, Willington, Derby, DE65 6BY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	473	-	429607 328182
121	Contemporary Trade Directory Entries Name: Willington Village Garage Location: Old Forge, Bargate Lane, Willington, Derby, DE65 6BY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	473	-	429607 328182
122	Contemporary Trade Directory Entries Name: Homeware Location: 45, Beech Avenue, Willington, Derby, DE65 6DB Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	544	-	429703 328369
123	Contemporary Trade Directory Entries Name: Hope Construction Materials Location: Castleway Lane, Willington, Derby, Derbyshire, DE65 6BW Classification: Sand, Gravel & Other Aggregates Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12NW (W)	655	-	428316 328417
124	Contemporary Trade Directory Entries Name: Derby Air Conditioning Services Location: 21, Orchard Close, Willington, DERBY, DE65 6DJ Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	723	-	429832 328620
125	Contemporary Trade Directory Entries Name: Find A Car & Easy Lease Location: 46 Hall la, Willington, Derby, Derbyshire, DE65 6DR Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned to the address or location	A14NE (E)	726	-	429883 328273
126	Contemporary Trade Directory Entries Name: Brobot Petroleum Ltd Location: Derby Road, Egginton, Derby, DE65 6GY Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	823	-	428230 328621

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	Contemporary Trade Directory Entries Name: B P Service Station Location: Derby Road, Egginton, Derby, DE65 6GY Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	823	-	428230 328621
127	Contemporary Trade Directory Entries Name: B P Service Station Location: Derby Road, Egginton, Derby, Derbyshire, DE65 6GY Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	906	-	428179 328695
127	Contemporary Trade Directory Entries Name: Y-Pas Garage Group Location: Derby Road, Egginton, Derby, Derbyshire, DE65 6GY Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	907	-	428179 328698
128	Contemporary Trade Directory Entries Name: Midland Gas Services Location: 65, Coach Way, Willington, DERBY, DE65 6ES Classification: Gas Appliances - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A15SW (E)	918	-	430074 328251
129	Fuel Station Entries Name: Hks Willington Services Southbound Location: Derby Road , Egginton , Derby, Derbyshire, DE65 6GY Brand: Bp Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	823	-	428230 328621
130	Fuel Station Entries Name: Hks Willington Services Northbound Location: Derby Road Carriers Road (Slipway), Egginton , Derby, Derbyshire, DE65 6GY Brand: Bp Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	905	-	428181 328697
131	Points of Interest - Commercial Services Name: Willington Services Location: 1 Bargate La, Willington, Derby, Derbyshire, DE65 6BY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	472	8	429607 328182
131	Points of Interest - Commercial Services Name: Willington Village Garage Location: Old Forge, Bargate Lane, Willington, Derby, DE65 6BY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	473	8	429607 328182
132	Points of Interest - Commercial Services Name: Hks Willington Services Northbound Location: Derby Road, Carriers Road (Slipway), Egginton, Derby, DE65 5FP Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SW (NW)	905	8	428181 328697
132	Points of Interest - Commercial Services Name: Car Wash Location: Derby Road, Carriers Road (Slipway), Egginton, Derby, Derbyshire, DE65 5FP Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SW (NW)	905	8	428181 328697
132	Points of Interest - Commercial Services Name: B P Car Wash Location: Derby Road, Egginton, Derby, DE65 6GY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SW (NW)	919	8	428175 328713

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	Points of Interest - Manufacturing and Production Name: Sand and Gravel Pit Location: DE65 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	132	8	428957 328050
134	Points of Interest - Manufacturing and Production Name: Sand and Gravel Pit Location: DE65 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	212	8	429136 328061
135	Points of Interest - Manufacturing and Production Name: Sand and Gravel Pit Location: DE65 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	344	8	429068 327863
136	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	378	8	429447 328088
137	Points of Interest - Manufacturing and Production Name: Works Location: DE65 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	406	8	429525 328531
137	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 (NE)	407	8	429527 328529
138	Points of Interest - Manufacturing and Production Name: Sand and Gravel Pit Location: DE65 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	750	8	428675 327477
139	Points of Interest - Manufacturing and Production Name: Tank Location: DE65 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	824	8	428621 329042
140	Points of Interest - Public Infrastructure Name: Willington Rail Station Location: Repton Road, DE65 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A14NW (NE)	280	8	429412 328474
140	Points of Interest - Public Infrastructure Name: Willington Station Location: Repton Road, DE65 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A14NW (NE)	280	8	429412 328474
141	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	A19SW (NE)	525	8	429451 328793
141	Points of Interest - Public Infrastructure Name: Cemetery Location: DE65 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	525	8	429448 328794

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	Points of Interest - Public Infrastructure Name: Brobot Petroleum Ltd Location: Derby Road, Egginton, Derby, DE65 6GY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	823	8	428230 328621
142	Points of Interest - Public Infrastructure Name: Brobot Petroleum Ltd Location: Derby Road, Egginton, Derby, DE65 6GY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	823	8	428230 328621
142	Points of Interest - Public Infrastructure Name: HKS Willington Services Southbound Location: Derby Road, Egginton, Derby, DE65 5FP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	823	8	428230 328621
142	Points of Interest - Public Infrastructure Name: BP Service Station Location: Derby Road, Egginton, Derby, DE65 6GY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	824	8	428229 328621
142	Points of Interest - Public Infrastructure Name: HKS Willington Services Northbound Location: Derby Road, Carriers Road (Slipway), Egginton, Derby, DE65 5FP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	905	8	428181 328697
142	Points of Interest - Public Infrastructure Name: BP Service Station Location: Derby Road, Egginton, Derby, DE65 6GY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	906	8	428179 328695
142	Points of Interest - Public Infrastructure Name: Brobot Petroleum Ltd Location: Derby Road, Egginton, Derby, DE65 6GY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	907	8	428179 328698
143	Points of Interest - Public Infrastructure Name: Sluice Location: DE65 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	910	8	428408 328979
144	Points of Interest - Recreational and Environmental Name: Picnic Area Location: Twyford Road, DE65 Category: Recreational Class Code: Picnic Areas Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	460	8	429541 328612
145	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	473	8	429615 328207
145	Points of Interest - Recreational and Environmental Name: Playground Location: Hall Lane, DE65 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SW (E)	474	8	429617 328208
146	Points of Interest - Recreational and Environmental Name: Playground Location: Trent Avenue, DE65 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	786	8	429945 328386

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
146	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	787	8	429946 328385

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	Nitrate Vulnerable Zones Name: River Trent (Source To Confluence With Derwent) Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (W)	0	4	429044 328273
148	Nitrate Vulnerable Zones Name: Burton Description: Groundwater Source: Environment Agency, Head Office	A8NW (S)	290	4	429040 327899

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices South Derbyshire District Council - Environmental Health Department Derby City Unitary Council - Environmental Health Department East Staffordshire Borough Council - Environmental Health Department	January 2015 October 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region	October 2018	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Midlands Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Midlands Region	October 2018	Quarterly
Local Authority Integrated Pollution Prevention And Control Derby City Unitary Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department East Staffordshire Borough Council - Environmental Health Department	April 2014 January 2015 October 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls Derby City Unitary Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department East Staffordshire Borough Council - Environmental Health Department	April 2014 January 2015 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Derby City Unitary Council - Environmental Health Department East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council - Environmental Health Department	April 2014 January 2013 January 2015	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region	July 2015	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Midlands 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 - Midlands Region - Central Area Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	October 2018 October 2018 October 2018 October 2018	Quarterly Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Midlands Region	October 2018	Quarterly
Water Industry Act Referrals Environment Agency - Midlands Region	October 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable

Agency & Hydrological	Version	Update Cycle
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	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

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 - Midlands Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	July 2018 July 2018 July 2018 July 2018	Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	October 2018 October 2018 October 2018 October 2018	Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Derby City Council Derbyshire County Council East Staffordshire Borough Council - Environmental Health Department South Derbyshire District Council Staffordshire County Council - Waste Management	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites East Staffordshire Borough Council - Environmental Health Department Derby City Council Derbyshire County Council South Derbyshire District Council Staffordshire County Council - Waste Management	March 2004 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable 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 - Midlands Region - Central Area Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable 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 Derby City Unitary Council - Development and Cultural Services Derbyshire County Council East Staffordshire Borough Council - Planning Department South Derbyshire District Council Staffordshire County Council	February 2016 February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Derby City Unitary Council - Development and Cultural Services Derbyshire County Council East Staffordshire Borough Council - Planning Department South Derbyshire District Council Staffordshire County Council	February 2016 February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	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	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	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	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt Derby City Unitary Council - Development and Cultural Services East Staffordshire Borough Council South Derbyshire District Council	August 2018 August 2018 August 2018	As notified As notified As notified
Areas of Unadopted Green Belt Derby City Unitary Council - Development and Cultural Services East Staffordshire Borough Council South Derbyshire District Council	August 2018 August 2018 August 2018	As notified As notified As notified
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

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
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-	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.

APPENDIX C

Risk consequence

Risk is regarded as being a combination of the likelihood of an ‘event’ occurring and its severity. Both elements must be considered when assessing risk. As defined in CIRIA C552:2001, the magnitude of the potential severity of risk occurring may be assessed against:

Consequence of Risk Being Realised (based on C552 CIRIA, 2001)

Consequence of risk being realised			
Classification	Category	Definition	Examples
Severe short-term (acute) risks only	Humans	Short-term (acute) risk to human health likely to result in “significant harm” as defined by the Environment Protection Act 1990, Part 2A.	High concentrations of cyanide on the surface of an informal recreation area.
	Controlled Waters	Short-term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource.	Major spillage of contaminants from site into controlled water.
	Property	Catastrophic damage to buildings/property.	Explosion causing building collapse (can also equate to a short-term human health risk if buildings are occupied).
	Ecological System	A short-term risk to a particular ecosystem, or organism forming part of such ecosystem.	
Medium chronic (long-term) risks; “significant harm”	Humans	Chronic damage to Human Health (“significant harm” as defined in Defra 2006).	Concentrations of a contaminant from site exceed the generic, or site-specific assessment criteria
	Controlled Waters	Pollution of sensitive water resources (note: Water Resources Act contains no scope for considering significance of pollution).	Leaching of contaminants from a site into a major or minor aquifer.
	Ecological System	A significant change in a particular ecosystem	Death of a species within a designated nature reserve.
Mild chronic (long-term) risks; less sensitive receptors	Controlled Waters	Pollution of non-sensitive water resources.	Pollution of non-classified groundwater.
	Property	Significant damage to buildings, structures and services (“significant harm” as defined in Circular on Contaminated Land, Defra, 2006). Damage to sensitive buildings/structures/services	Damage to building rendering it unsafe to occupy (e.g., foundation damage resulting in instability)
	Ecological System	Significant damage to crops. Damage to the environment.	
Minor chronic (long-term) risks; mild	Financial / project	Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve.	
	Humans	Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc).	The presence of contaminants at such concentrations that protective equipment is required during site works.
	Property	Easily repairable effects of damage to buildings, structures and services	The loss of plants in a landscaping scheme. Discolouration of concrete.

Similarly, the classification of the magnitude of the probability of the risk occurring may be assessed against:

Probability of Risk Being Realised (C552 CIRIA, 2001)

Probability of risk being realised	
Classification	Definition
High Likelihood	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low Likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

The risk categories are summarised in the following table:

Risk Classification Matrix (C552 CIRIA, 2001)

Risk classification matrix					
(CIRIA C552, 2001, page 82)		Consequence			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very High	High	Moderate	Moderate/Low
	Likely	High	Moderate	Moderate/Low	Low
	Low Likelihood	Moderate	Moderate/Low	Low	Very Low
	Unlikely	Moderate/Low	Low	Very Low	Very Low

Risk Classification Definitions (C552 CIRIA, 2001)

Risk classification definitions	
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 happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.
High	Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the longer term.
Moderate	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
Moderate / Low	
Low	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
Very Low	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.

REFERENCES

General guidance used:

BS 10175:2011 Investigation of potentially contaminated sites. British Standards Institution, London.

CLR 11: Model procedures for the management of land contamination. Environment Agency.

CIRIA C665 Assessing the risks posed by hazardous ground gases 2013.

CIRIA C682 The VOCs Handbook 2009 Investigation, assessing and managing risks from inhalation of Volatile Organic Compounds at land affected by contamination.

Chartered Institute for Environment and Health Indoor air quality in the home.

Environment Agency Guiding Principles for Land Contamination (GPLC).
(2010) Environment Agency.