Springwell Solar Farm

Consultation Report
Appendix L-1.7

APFP Regulation 5(2)(q)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

EN010149/APP/5.2
November 2024
Springwell Energyfarm Ltd

Table of Contents

Appendix L-1.7 – Preliminary Environmental Information Report

Volume 3: Supporting Reports (Appendix 10.1: Preliminary Risk Appraisal)

Appendix L-1.7 – Preliminary Environmental Information Report

Application Document Ref: EN010149/APP/5.2
Planning Inspectorate Scheme Ref: EN010149

APPENDIX D13 ENVIRONMENTAL DATABASE REPORT – ZONE M

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
509180, 360170

Slice:
M

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

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.

Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2	1		1	1
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature		Yes			
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3		2	1	(*10)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 6	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 12	6	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 12	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 13	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 13	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 13	42	39	5	43

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 28	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 29	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 29				1
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 29	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 29	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 29	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 29	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 31	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 31	Yes	n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Gas Pipelines	pg 32			1	
Underground Electrical Cables					
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 33	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	508350 360100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	M5SW (SW)	0	1	508450 359800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	507800 359700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	508350 360550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	508150 359850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	508300 360168
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	508550 358600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	508300 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	507700 359450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	508200 358950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	508200 358600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	508300 359100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	1	507850 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	507750 360168
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	507850 359950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	507850 359900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	507700 360050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	507700 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	507750 359950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	1	507800 360168
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	508000 360400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	508500 358750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	508050 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	M6NW (E)	88	1	509200 360168
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	M6NE (E)	359	1	509400 360168
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	402	1	507900 361100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	405	1	508050 361100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	M10SW (N)	424	1	509350 360600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	M6SE (SE)	435	1	509500 360000
1	**Discharge Consents** Operator: British Railways Eastern Region Property Type: Not Supplied Location: Martin Lane Crossing Gatehouse. Martin Road, Blankney, Lincoln, Ln4 3be Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu437 Permit Version: 1 Effective Date: 8th January 1970 Issued Date: 8th January 1970 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	M9SE (NW)	0	2	508900 360500
2	**Discharge Consents** Operator: Martin Moor Golf Club Ltd Property Type: SPORT, AMUSEMENT+RECREATION/GOLF CLUB/GYM/THEME PK/SPA Location: Martin Moor Golf Club Martin Moor, Blankney, Lincolnshire, Ln4 3be Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Prnnf18569 Permit Version: 1 Effective Date: 6th June 2006 Issued Date: 17th August 2006 Revocation Date: Not Supplied Discharge Type: Sewage And Trade Combined - Unspecified Discharge Environment: Freshwater Stream/River Receiving Water: Trib New Cut Drain **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	M10SW (N)	338	2	509230 360598
3	**Discharge Consents** Operator: Edward P G Scoley Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: C'Van Site & Museum Westmoor Farm, Martin Moor, Metheringham, Lincs, Ln4 3bq Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Prnnf12126 Permit Version: 1 Effective Date: 15th September 1997 Issued Date: 15th September 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Unnamed Ditch Tributary Queen **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	M3NE (SE)	941	2	510150 359500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	M5NE (NW)	0	-	508992 360261
4	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0016 Permit Version: 100 Location: Unnamed Drain Blankney Authority: Environment Agency, Anglian 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: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M9SE (NW)	50	2	508925 360555
4	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0016 Permit Version: 100 Location: Unnamed Drain Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage 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: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M9SE (NW)	51	2	508920 360560
5	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*s/153 Permit Version: Not Supplied Location: Blackney Beck, BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 1873000 Details: Status: Time Limit Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M13SW (NW)	406	2	508420 361050
	Water Abstractions Operator: Blankney Estates Ltd. Licence Number: 4/30/09/*s/016 Permit Version: Not Supplied Location: BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 9 Yearly Rate (m3): 546000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M13NE (N)	1066	2	508875 361595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Blankney Estates Ltd. Licence Number: 4/30/09/*s/016 Permit Version: Not Supplied Location: Unnamed Drain , BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 9 Yearly Rate (m3): 546000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M13NE (N)	1070	2	508870 361600
	Water Abstractions Operator: W.Mair & Sons Licence Number: 4/30/09/*s/134 Permit Version: Not Supplied Location: Unamed Drain Lead To Car Dyke Authority: Environment Agency, Anglian Region Abstraction: Fill Etc Reservoir Transfer Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 32 Yearly Rate (m3): 960000 Details: Status: Time Limit Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M15NW (NE)	1618	2	510001 361696
	Water Abstractions Operator: D W Harrison Ltd Licence Number: 4/30/09/*S/0157 Permit Version: 101 Location: Drain Leading To Car Dyke Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 December Authorised End: 31 March Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	M15NW (NE)	1620	2	510000 361700
	Water Abstractions Operator: D W Harrison Ltd Licence Number: 4/30/09/*S/0157 Permit Version: 100 Location: Drain Leading To Car Dyke Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 December Authorised End: 31 March Permit Start Date: 1st September 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M15NW (NE)	1620	2	510000 361700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: W.Mair & Sons Licence Number: 4/30/09/*s/134 Permit Version: Not Supplied Location: Unamed Drain Lead To Car Dyke Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 68 Yearly Rate (m3): 1440000 Details: Status: Time Limit Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M15NW (NE)	1621	2	510001 361701
	Water Abstractions Operator: W.Mair & Sons Licence Number: 4/30/09/*s/134 Permit Version: Not Supplied Location: Car Dyke, METHERINGHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 27 Yearly Rate (m3): 960000 Details: Status: Time Limit Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M15NW (NE)	1621	2	510006 361696
	Water Abstractions Operator: Blankney Estates Ltd. Licence Number: 4/30/09/*s/016 Permit Version: Not Supplied Location: Blankney Beck , BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 9 Yearly Rate (m3): 546000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1768	2	509385 362215
	Water Abstractions Operator: Blankney Estates Ltd. Licence Number: 4/30/09/*s/016 Permit Version: Not Supplied Location: Blankney Beck , BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 9 Yearly Rate (m3): 546000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1771	2	509380 362220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: W Mair & Sons Licence Number: 4/30/09/*S/0004 Permit Version: 100 Location: Carr Dyke Metheringham Barff Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 1st March 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1789	2	509500 362200
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(W)	0	3	507862 360650
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	507623 359626
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	508000 359000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	508180 359000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	509212 359000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	508000 359964
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	508000 359113

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	508078 359797
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Low	M6SW (S)	0	3	509177 360000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(W)	0	3	507982 360000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(W)	0	3	507690 360565

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(NW)	0	3	508000 360667
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	M9NE (NW)	0	3	508752 360706
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	507981 359000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	509000 359000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Low	M6SW (S)	0	3	509135 360000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(W)	0	3	507829 360000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(W)	0	3	508000 360168
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	M5NE (W)	0	3	509000 360168

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	509177 359000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: High	M6NW (W)	0	3	509100 360145
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	507989 359683
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	508000 360000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	508000 359653
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	M5SE (SW)	0	3	509000 360000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(W)	0	3	508000 360168
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	M5NE (W)	0	3	509000 360168
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(SW)	0	3	508000 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(S)	0	3	509000 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(W)	0	3	508000 360000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	M5SE (SW)	0	3	509000 360000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(W)	0	3	507623 359626
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	M6SW (S)	0	3	509177 360000
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	(W)	0	3	508078 359797
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	(W)	0	3	507982 360000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	(W)	0	3	507989 359683
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	(W)	0	3	507829 360000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	M6SW (S)	0	3	509135 360000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	M6NW (W)	0	3	509100 360145
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	M9NE (NW)	0	3	508752 360706
	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	M9NW (NW)	0	2	508547 361037
	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	M6NW (W)	0	2	509072 360127
	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	M9NW (NW)	0	2	508545 361040
	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	M6NW (W)	0	2	509071 360126
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
6	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 492.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	0	4	508697 360541
7	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	0	4	508704 360540
8	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 121.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	0	4	508825 360524
9	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	0	4	508829 360524
10	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 81.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	0	4	508910 360536

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 723.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M1SE (S)	0	4	509003 359232
12	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 215.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M1SE (S)	0	4	508734 359056
13	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 191.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	0	4	509272 359065
14	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 224.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1SW (SW)	0	4	508431 359257
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M1SE (S)	0	4	508748 359068
16	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 679.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M6SW (S)	0	4	509109 359723
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 289.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M1SE (S)	0	4	508994 359236
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 379.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1SW (SW)	0	4	508431 359257
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1SW (SW)	0	4	508434 359258

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 299.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1NW (SW)	0	4	508679 359429
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1NW (SW)	0	4	508679 359431
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 222.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1NE (SW)	0	4	508857 359565
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1NW (SW)	0	4	508681 359431
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 347.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5SW (SW)	0	4	508502 359718
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 297.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6SW (S)	0	4	509109 359723
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M1NE (SW)	0	4	508857 359581
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 263.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M5SE (SW)	0	4	508765 359828
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 181.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6SW (S)	0	4	509118 359856

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 171.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5SW (SW)	0	4	508491 359735
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5SW (SW)	0	4	508497 359726
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 165.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5SE (SW)	0	4	508760 359839
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M5SE (SW)	0	4	508760 359839
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 99.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5SE (SW)	0	4	508727 359932
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 368.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (SW)	0	4	509069 360068
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 185.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5SE (W)	0	4	508706 359989
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 153.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NW (W)	0	4	508661 360106
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 208.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (W)	0	4	509052 360137

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 45.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NW (W)	0	4	508661 360106
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 107.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NE (W)	0	4	508747 360183
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 259.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NW (W)	0	4	508646 360149
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M5NE (NW)	0	4	509026 360271
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 261.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M9SW (NW)	0	4	508528 360455
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 251.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	0	4	508911 360517
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 249.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M9SW (NW)	0	4	508370 360619
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 214.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SW (NW)	0	4	508370 360619
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SW (NW)	0	4	508373 360619

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	0	4	509304 359077
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 470.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6SW (S)	7	4	509118 359856
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NE (NW)	9	4	509026 360271
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 420.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2NE (SE)	11	4	509514 359582
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 173.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2NW (S)	11	4	509222 359397
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NE (NW)	11	4	509023 360282
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 235.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NE (NW)	12	4	509019 360291
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 136.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	15	4	509260 359228
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 845.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2NE (SE)	15	4	509638 359546

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	**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: Witham Primacy: 1	M9SE (NW)	16	4	508921 360520
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	20	4	509293 359096
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 217.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M6NW (SW)	21	4	509069 360068
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	21	4	509295 359091
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	25	4	508916 360538
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	25	4	508926 360506
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	25	4	508924 360510
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	26	4	508921 360520
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 193.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SW (N)	26	4	509109 360564

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	27	4	509304 359077
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	30	4	508917 360534
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	31	4	508917 360536
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 557.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	31	4	508917 360536
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 240.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	32	4	509324 359044
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 90.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SE (S)	40	4	509412 359065
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 129.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SW (N)	41	4	509053 360570
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 78.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6SW (S)	44	4	509192 359880
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 598.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6SW (SE)	121	4	509308 359927

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 269.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (S)	121	4	509180 360149
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SE (S)	129	4	509401 359116
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SE (S)	130	4	509404 359120
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SE (S)	130	4	509411 359066
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 136.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SE (S)	130	4	509432 359069
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 373.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SE (S)	134	4	509535 359184
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (S)	140	4	509180 360154
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 157.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (E)	141	4	509180 360168
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (N)	150	4	509164 360309

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (N)	152	4	509162 360319
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 495.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (N)	162	4	509154 360357
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 212.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M6NW (N)	162	4	509154 360357
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 294.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SW (N)	214	4	509109 360564
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 638.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9NE (NW)	251	4	508773 360896
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 205.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9NW (NW)	289	4	508379 361000
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M13SW (NW)	454	4	508461 361087
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 410.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M13SW (NW)	460	4	508459 361094
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 44.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SW (SE)	498	4	509750 359249

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 72.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SE (NE)	503	4	509393 360640
93	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 89.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M10SE (NE)	542	4	509505 360505
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SW (SE)	543	4	509793 359257
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 262.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SW (SE)	549	4	509799 359258
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 197.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M6SE (SE)	560	4	509650 359905
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M14SW (N)	562	4	509056 361056
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M14SW (N)	569	4	509065 361060
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M14SW (N)	572	4	509068 361062
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 47.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SE (NE)	575	4	509462 360665

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M14SW (N)	591	4	509063 361083
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 524.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M14SW (N)	596	4	509062 361088
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10NE (NE)	610	4	509479 360708
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M10SE (NE)	622	4	509594 360504
105	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 8.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M10SE (NE)	637	4	509606 360513
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M10SE (NE)	645	4	509613 360518
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M10SE (NE)	650	4	509617 360521
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SE (NE)	650	4	509631 360488
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M10SE (NE)	653	4	509620 360522

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 399.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10NE (NE)	654	4	509509 360746
111	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SE (NE)	655	4	509636 360490
112	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 190.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SE (NE)	659	4	509625 360526
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SE (NE)	659	4	509642 360491
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 262.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7SW (SE)	672	4	509818 359768
115	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 300.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7NW (E)	697	4	509747 360086
116	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 74.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M7NW (E)	697	4	509747 360086
117	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 195.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7NW (E)	698	4	509721 360321
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 697.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M13NE (N)	761	4	508710 361499

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 4.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SE (SE)	775	4	510073 359053
120	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 32.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SE (SE)	778	4	510076 359050
121	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SE (SE)	782	4	510086 359019
122	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 278.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	(SE)	783	4	510089 359012
123	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 162.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M13NW (NW)	788	4	508419 361462
124	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 151.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M13NW (NW)	809	4	508572 361485
125	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SE (SE)	811	4	510055 359313
126	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 158.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SE (SE)	817	4	510062 359315
127	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 390.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M13NW (NW)	818	4	508415 361473

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 218.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7NW (E)	870	4	509917 360126
129	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 393.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M11SW (E)	887	4	509896 360426
130	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7SW (E)	922	4	510025 359936
131	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 452.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7SW (E)	923	4	510025 359936
132	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 119.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7SW (E)	927	4	510040 359909
133	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M14NW (N)	979	4	509341 361387
134	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 312.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M14NW (N)	983	4	509322 361402

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	5	509177 360168
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	509177 360168

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Great Oolite Group	M5SW (W)	0	1	508386 359888
	BGS 1:625,000 Solid Geology Description: Kellaways Formation And Oxford Clay Formation (Undifferentiated)	M6NW (W)	0	1	509177 360168
135	**BGS Recorded Mineral Sites** Site Name: Metheringham Moor Gravel Pit Location: Metheringham, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 133760 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cromerian - Ipswichian Geology: Till, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	M14NW (N)	944	1	509144 361427
	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: No Hazard Source: British Geological Survey, National Geoscience Information Service	M9NE (NW)	0	1	508752 360706
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M9NE (NW)	0	1	508752 360706
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508342 360006
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M5SW (SW)	0	1	508410 359809
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M9NE (NW)	0	1	508752 360706
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508342 360006

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M5SW (SW)	0	1	508410 359809
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509100 360145
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509135 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	41	1	509177 360168
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (NE)	120	1	509205 360186
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508342 360006
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M5SW (SW)	0	1	508410 359809
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509100 360145
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509135 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	M6NE (E)	0	1	509438 360246
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	41	1	509177 360168
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509075 360168
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	M6SW (SW)	0	1	509075 360001
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360001
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509200 359976
	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	M6SW (S)	0	1	509200 360001
	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	M6NW (W)	0	1	509177 360168

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509075 360168
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	M6SW (SW)	0	1	509075 360001
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360001
	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	M6SW (S)	0	1	509200 359976
	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	M6SW (S)	0	1	509200 360001
	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	M6NW (W)	0	1	509177 360168

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	**Gas Pipelines** Name: HATTON TO SILK WILLOUGHBY Nat Grid: Owned By National Grid Diameter (mm): 1200 Building Proximity Distance (m): Not Supplied Status: Active Pipe Length (m): 40424.4 Pipe Number: Not Supplied	M6SE (E)	359	7	509671 359971

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	M6NW (W)	0	3	509177 360168
138	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	M6NW (W)	0	3	509100 360145

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	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	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

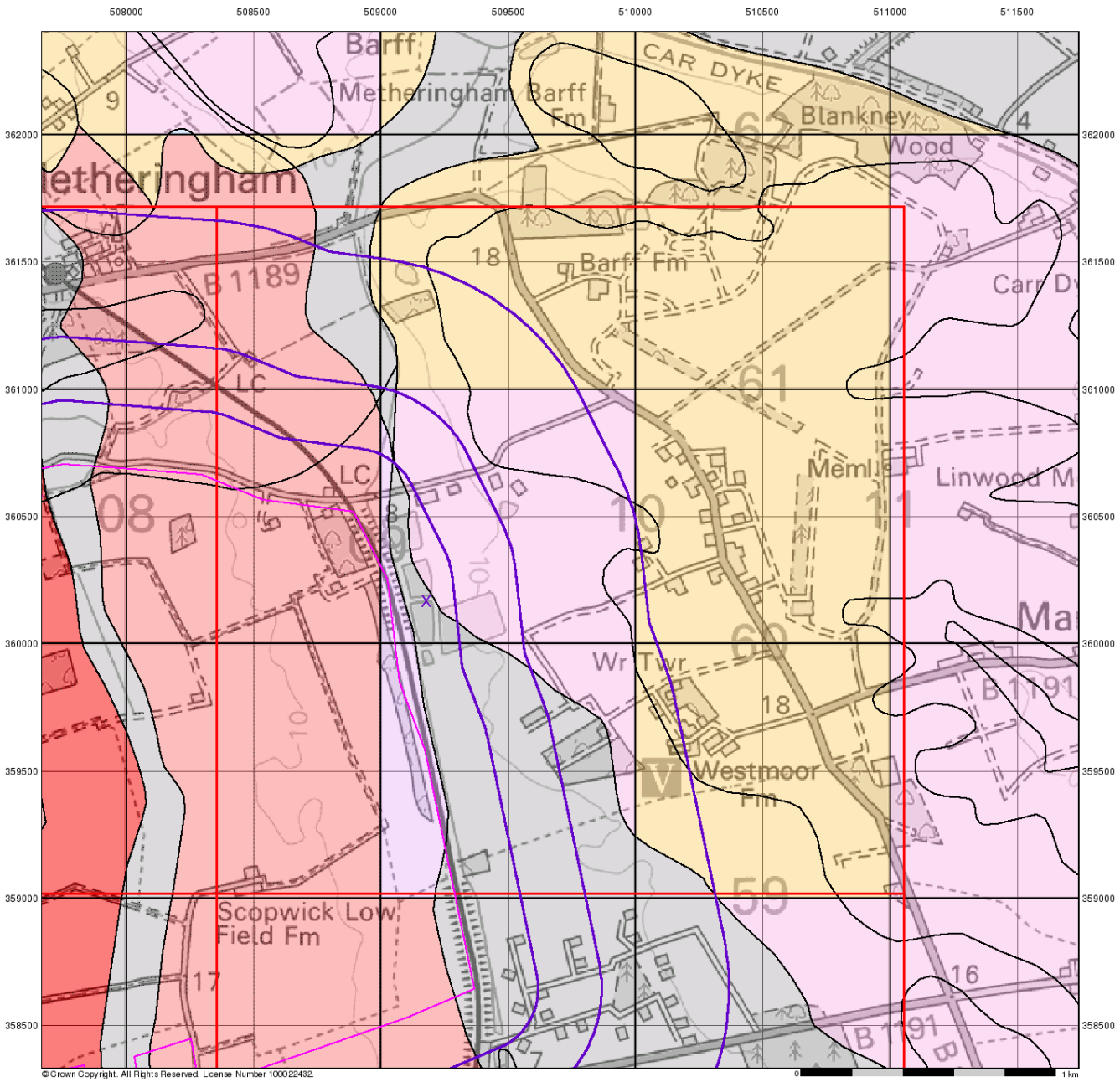
A selection of organisations who provide data within this report

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

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
6	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
8	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	**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.



Groundwater Vulnerability

General

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

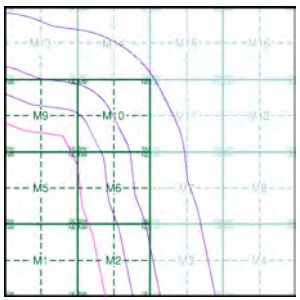
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice M



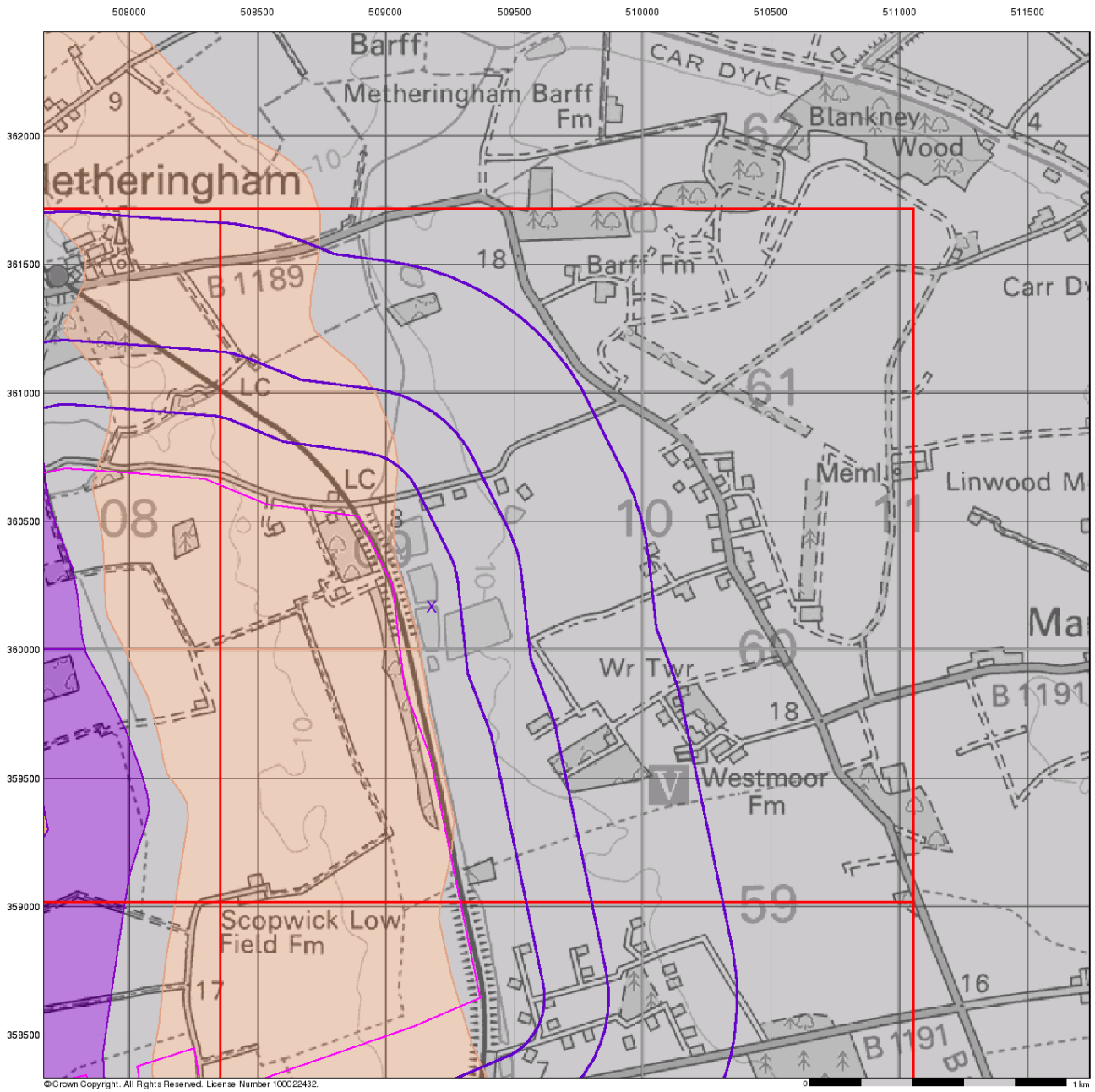
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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



Bedrock Aquifer Designation

General

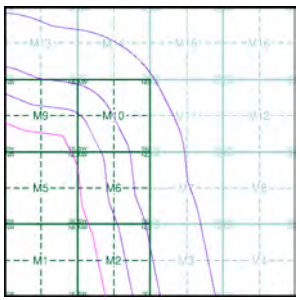
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice M



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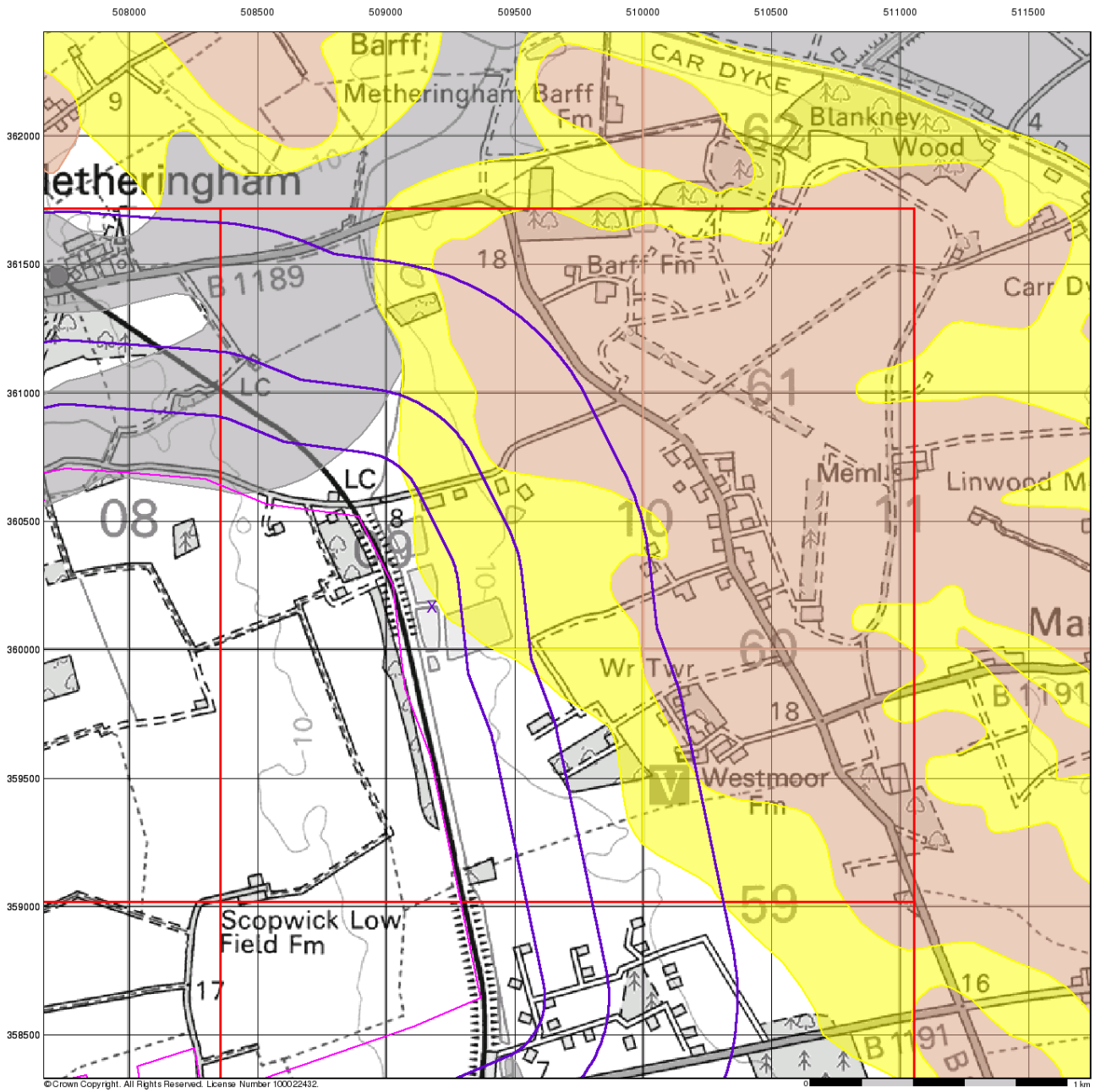


Superficial Aquifer Designation

General

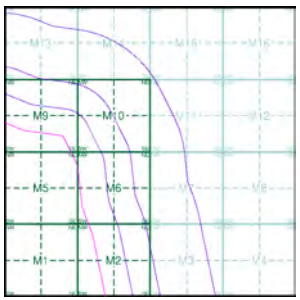
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice M



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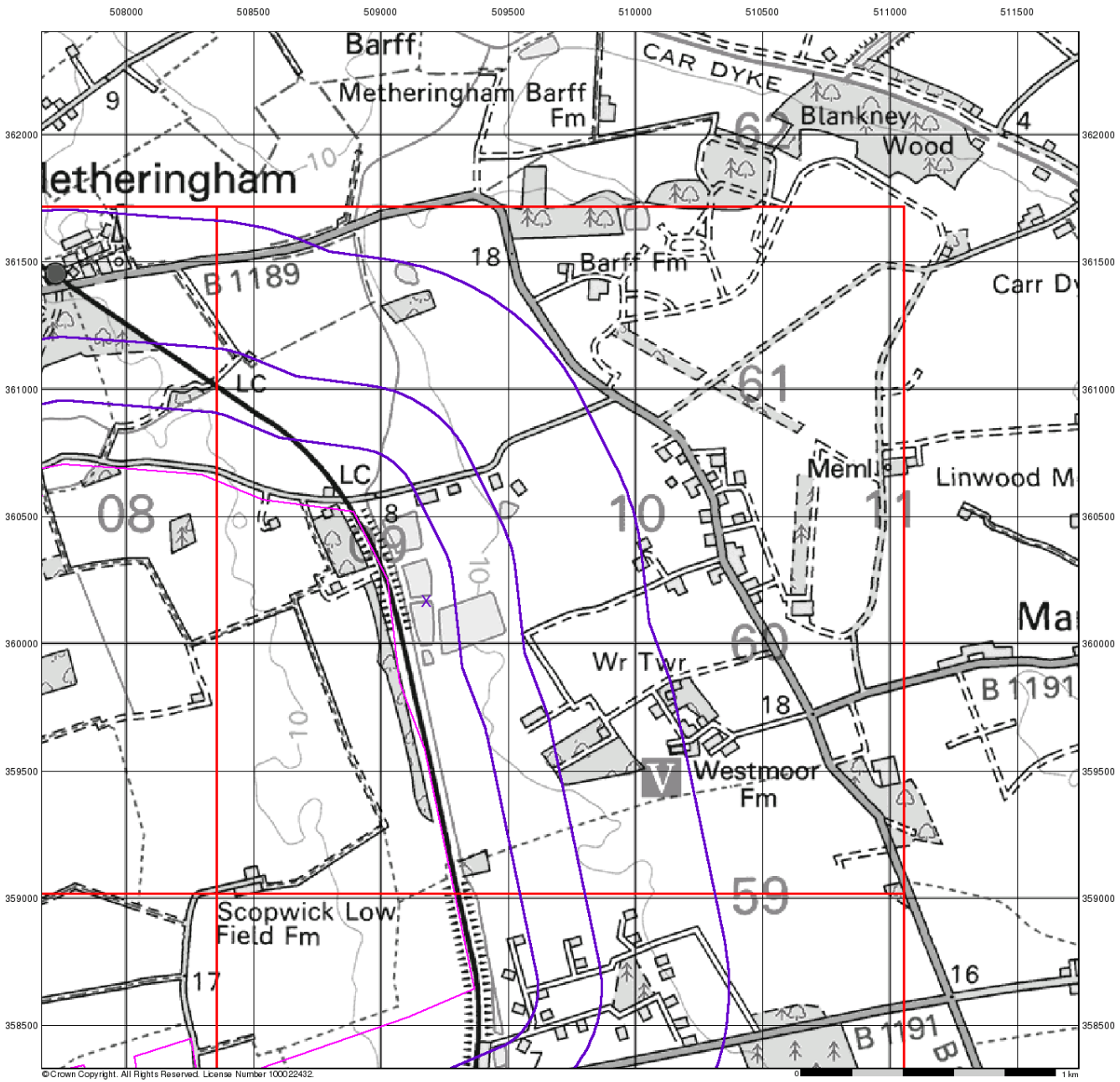


RSK

Source Protection Zones

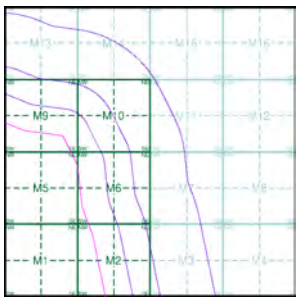
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice M



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Site Details

All Areas New

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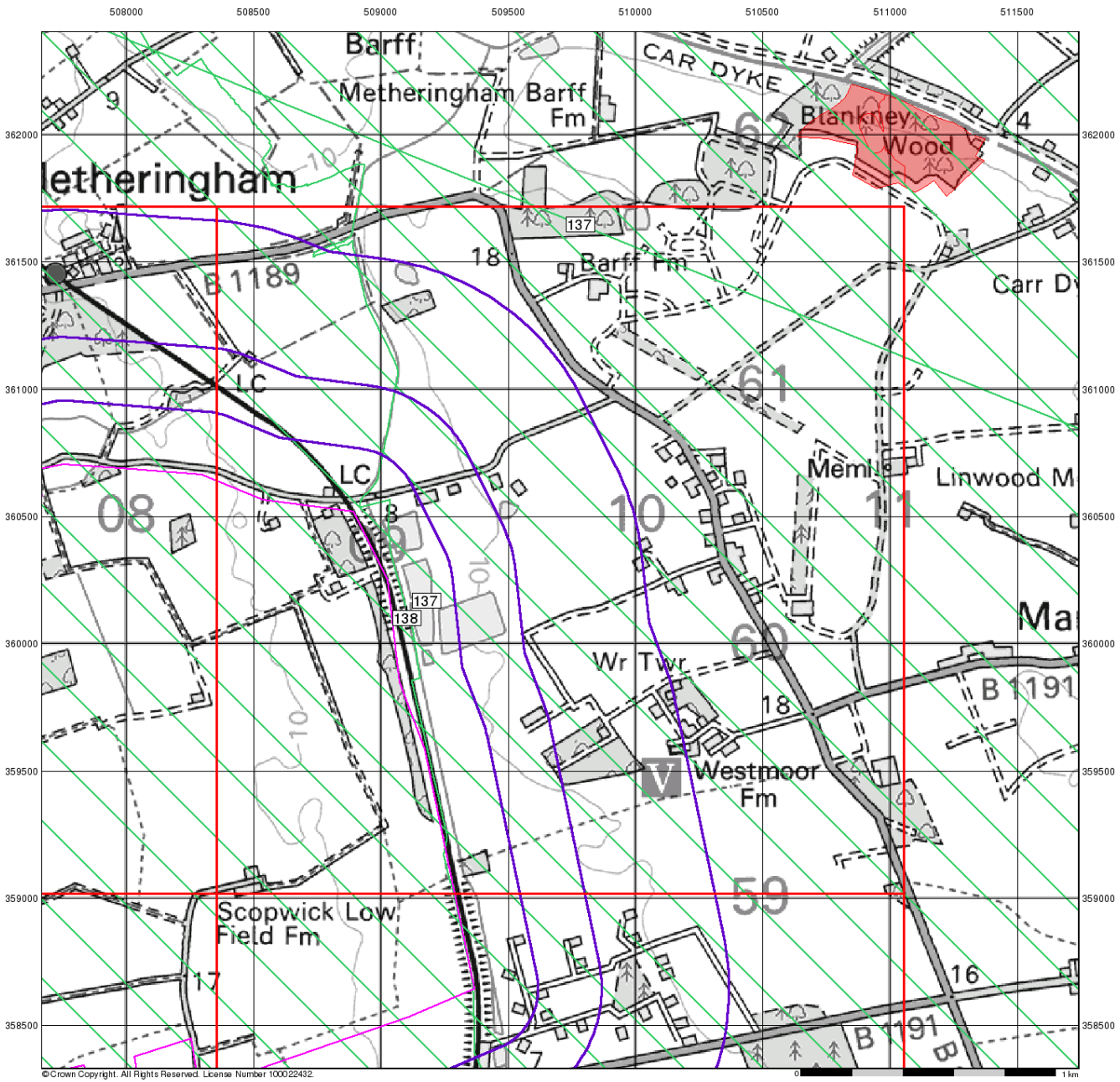


RSK

Sensitive Land Uses

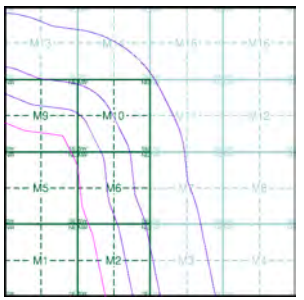
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice M



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Site Details

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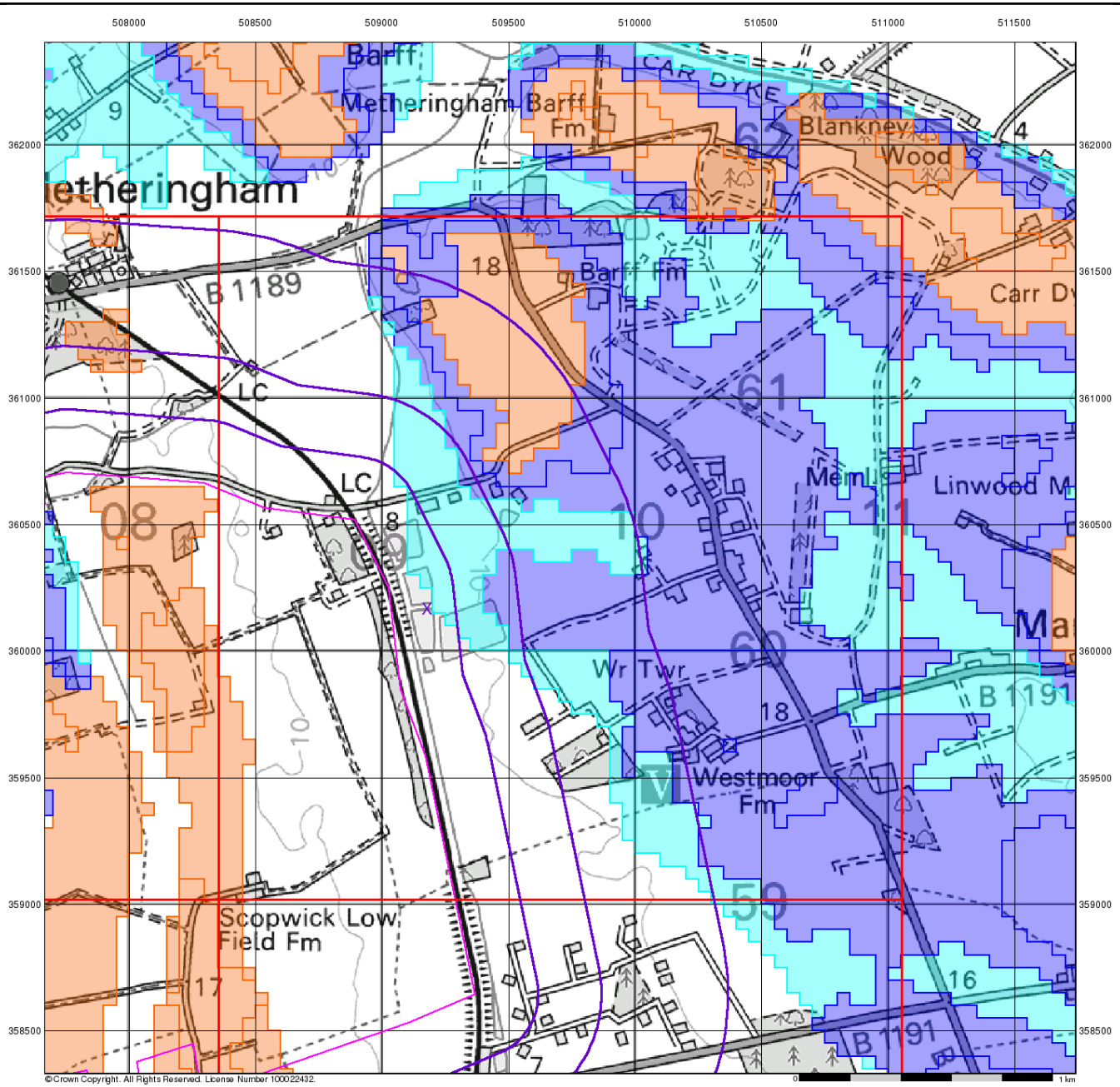


RSK

BGS Flood GFS Data

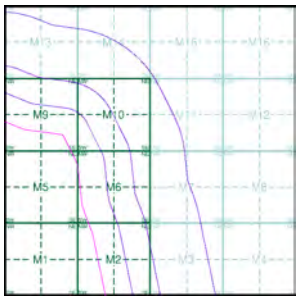
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice M



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Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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RSK

General

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

Agency and Hydrological

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

Waste

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

Geological

BGS Recorded Mineral Site

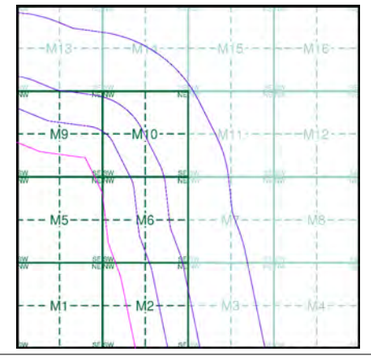
Hazardous Substances

COMAH Site
Explosive Site
NIHHS Site

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Planning Hazardous Substance Consent
Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice M



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Site Details

All Areas New

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RSK

Industrial Land Use Map

General

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

Slice | Map ID

Industrial Land Use

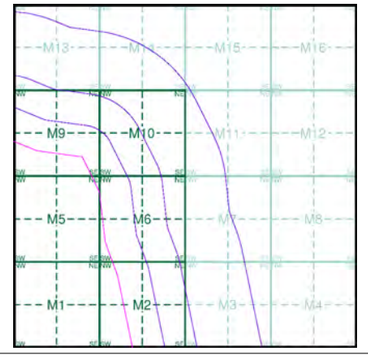
Contemporary Trade Directory Entry

Fuel Station Entry

Gas Pipeline

Underground Electrical Cables

Industrial Land Use Map - Slice M



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Site Details

All Areas New

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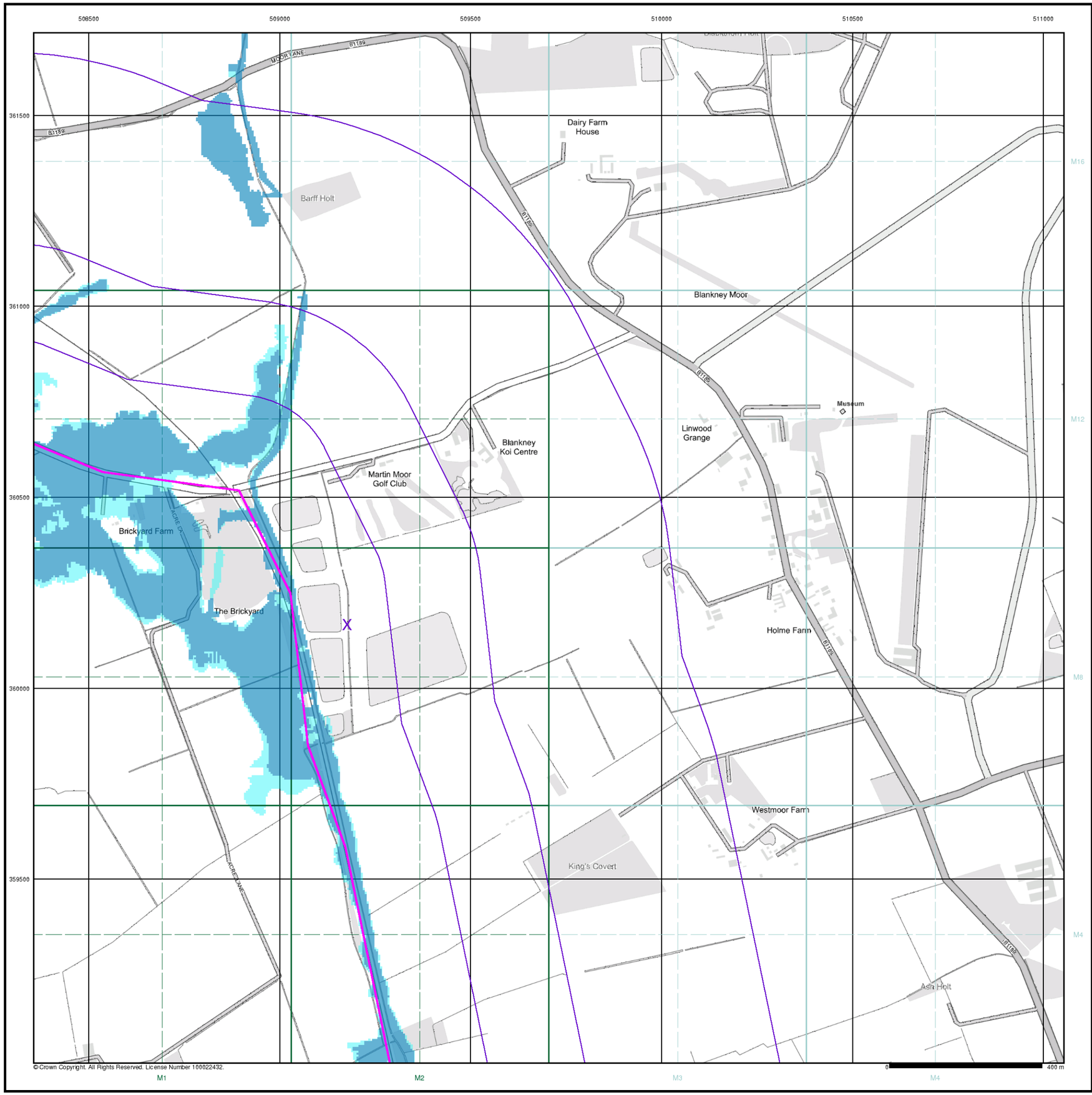


RSK

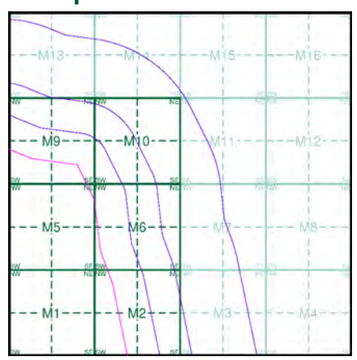
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice M



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Site Details

All Areas New

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

RSK

General

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

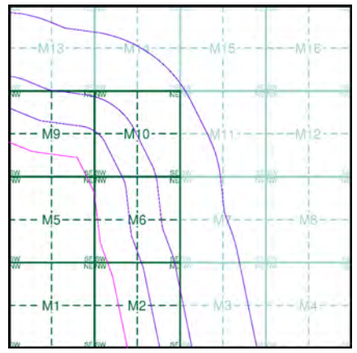
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice M



Order Details

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Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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

RSK

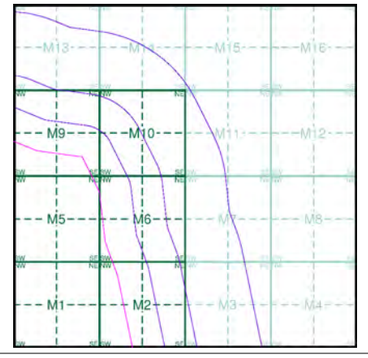
General

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

OS Water Network Data

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

OS Water Network Map - Slice M



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Site Details

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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
509180, 360170

Slice:
M

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

Landmark
INFORMATION GROUP

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Contents

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1				1
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 2	7	2	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground	pg 3	1			
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits	pg 3				1
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 3	1			1
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Metheringham Moor Gravel Pit Location: Metheringham, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 133760 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cromerian - Ipswichian Geology: Till, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	M14NW (N)	944	1	509144 361427
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1973 Last Map Published Date: N/A	M9SW (W)	0	-	508429 360423
3	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1973 Last Map Published Date: N/A	M5NE (W)	0	-	508946 360221
4	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	M2SW (S)	0	-	509211 359304
5	**Extractive Industries or Potential Excavations from 1950-1980** Use: Railway Embankment First Map Published Date: 1973 Last Map Published Date: 1979	M6NW (W)	0	-	509048 360138
6	**Extractive Industries or Potential Excavations from 1950-1980** Use: Ponds First Map Published Date: 1973 Last Map Published Date: N/A	M9SE (NW)	0	-	508819 360394
7	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	M5SW (SW)	0	-	508434 359742
8	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1973 Last Map Published Date: N/A	M5NE (W)	0	-	508838 360248
9	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	M6SW (S)	10	-	509108 359785
10	**Extractive Industries or Potential Excavations from 1950-1980** Use: Ponds First Map Published Date: 1979 Last Map Published Date: N/A	M2NW (S)	14	-	509228 359410

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**Disturbed Ground** Use: Not Supplied Date of Mapping: 1891	M5NE (NW)	0	-	508860 360355
12	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1890 - 1956	M14SW (N)	871	-	509173 361342
13	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1977	M9SE (NW)	0	-	508836 360451
14	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1977	M14SW (N)	871	-	509173 361342

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
15	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	508650 361863
16	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
17	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
18	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	250	1	508285 361245
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M9NE (NW)	0	1	508752 360706
19	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M9NE (NW)	0	1	508752 360706
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	508650 361863
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	250	1	508285 361245
20	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507829 360000
21	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507989 359683
22	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508342 360006
23	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M5SW (SW)	0	1	508410 359809
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508078 359797
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507623 359626
24	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
26	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M9NE (NW)	0	1	508752 360706
27	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509100 360145
28	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509135 360000
29	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (NE)	120	1	509205 360186
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507311 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508342 360006
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M5SW (SW)	0	1	508410 359809
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	41	1	509177 360168
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	250	1	508029 361126
30	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
31	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507982 360000
32	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508078 359797
33	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509100 360145
34	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509135 360000
35	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	M6NE (E)	0	1	509438 360246
36	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507690 360565
37	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	41	1	509177 360168
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507989 359683
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508342 360006

Ground Stability Data (1:50,000)

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	(W)	0	1	507829 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M5SW (SW)	0	1	508410 359809

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0860	1973
Ordnance Survey Plan	TF0860	1973
Ordnance Survey Plan	TF0861	1973
Ordnance Survey Plan	TF0960	1973
Ordnance Survey Plan	TF0960	1973
Ordnance Survey Plan	TF0960	1973
Ordnance Survey Plan	TF0960	1973
Ordnance Survey Plan	TF0961	1973
Ordnance Survey Plan	TF0961	1973
Ordnance Survey Plan	TF0859	1979
Ordnance Survey Plan	TF0859	1979
Ordnance Survey Plan	TF0959	1979
Ordnance Survey Plan	TF0959	1979
Ordnance Survey Plan	TF0959	1979
Ordnance Survey Plan	TF0959	1979

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	079_SE	1890
Lincolnshire	087_NE	1891
Lincolnshire	087_NE	1906
Lincolnshire	079_SE	1907
Lincolnshire	087_NE	1947
Lincolnshire	079_SE	1950
Ordnance Survey Plan	TF05NE	1956
Ordnance Survey Plan	TF06SE	1956
Ordnance Survey Plan	TF15NW	1956
Ordnance Survey Plan	TF16SW	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF06SE	1977
Ordnance Survey Plan	TF16SW	1983
Ordnance Survey Plan	TF05NE	1985
Ordnance Survey Plan	TF15NW	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**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

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Historical Land Use Information (1:10,000)

General

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

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆		
Disturbed Ground	◆		
General Quarrying	◆		
Heap, unknown constituents	◆		
Mineral Railway	◆		
Mining and Quarrying General	◆		
Mining of Coal & Lignite	◆		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆		

Historical Land Use

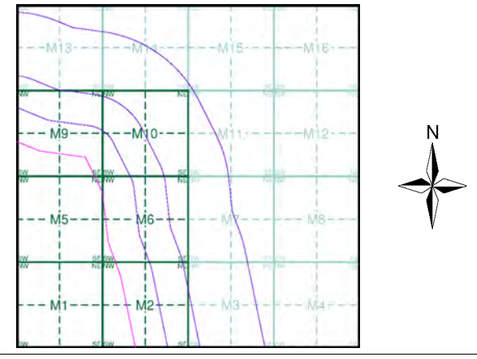
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice M



Order Details

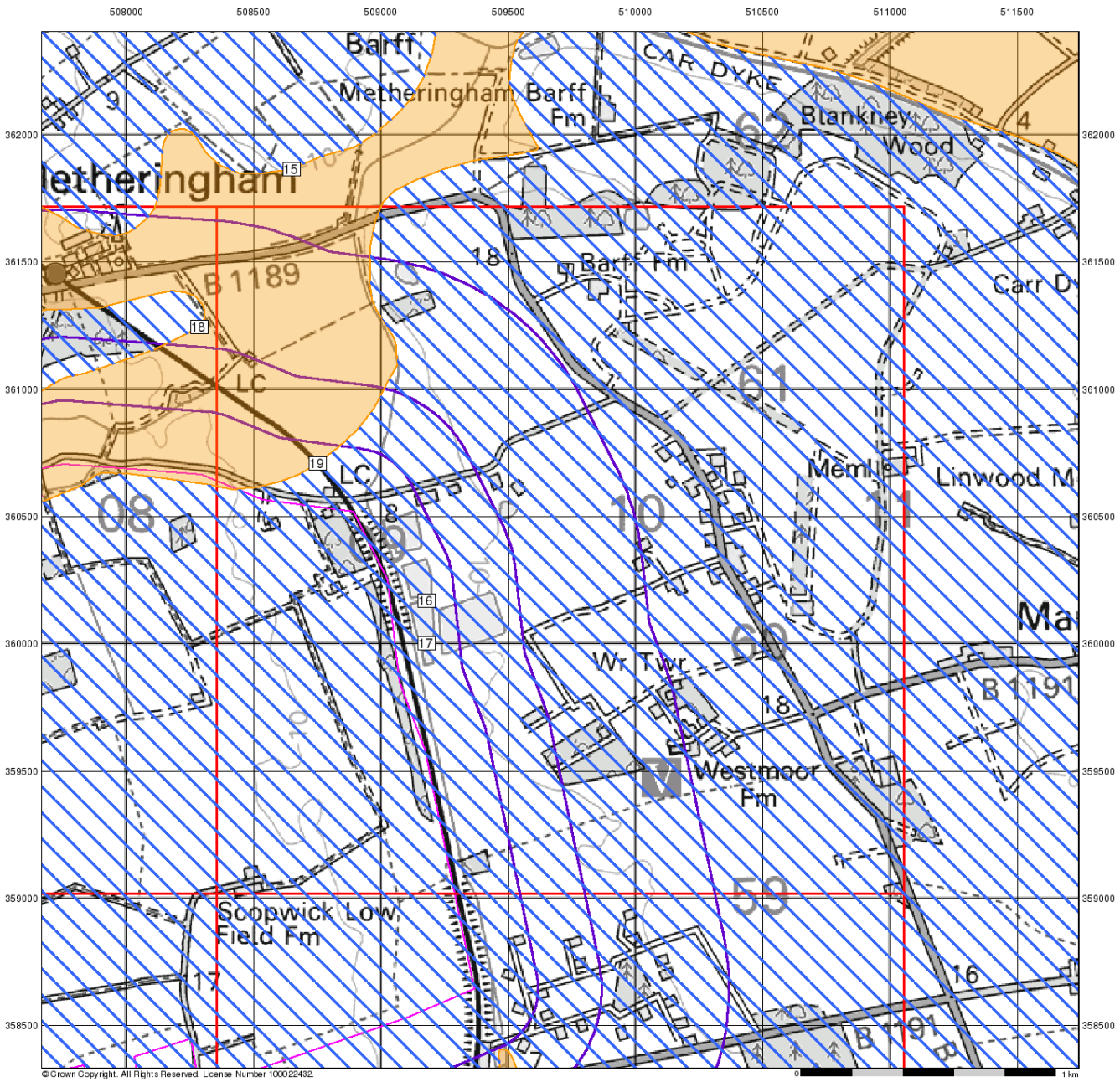
Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP

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



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Ground Stability Data (1:50,000)

General

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

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

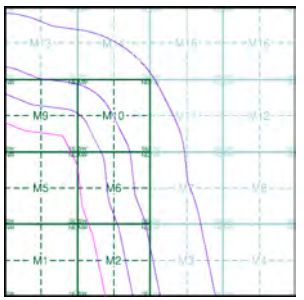
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice M



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
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Site Details

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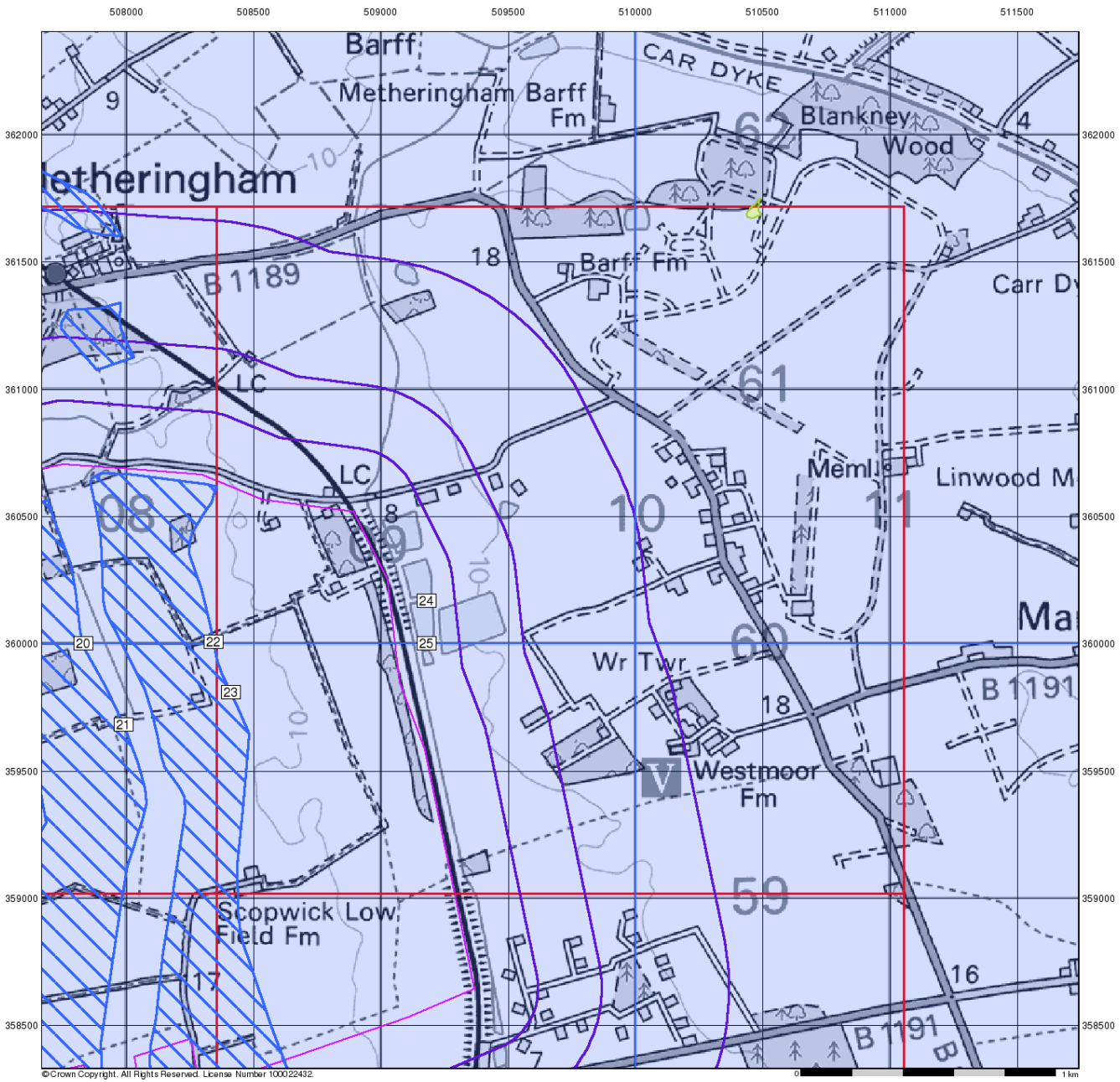

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Ground Stability Data (1:50,000)

General

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

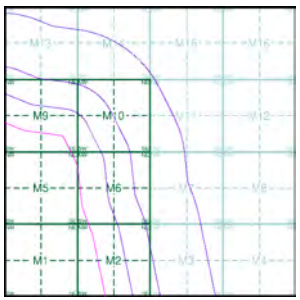
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice M



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
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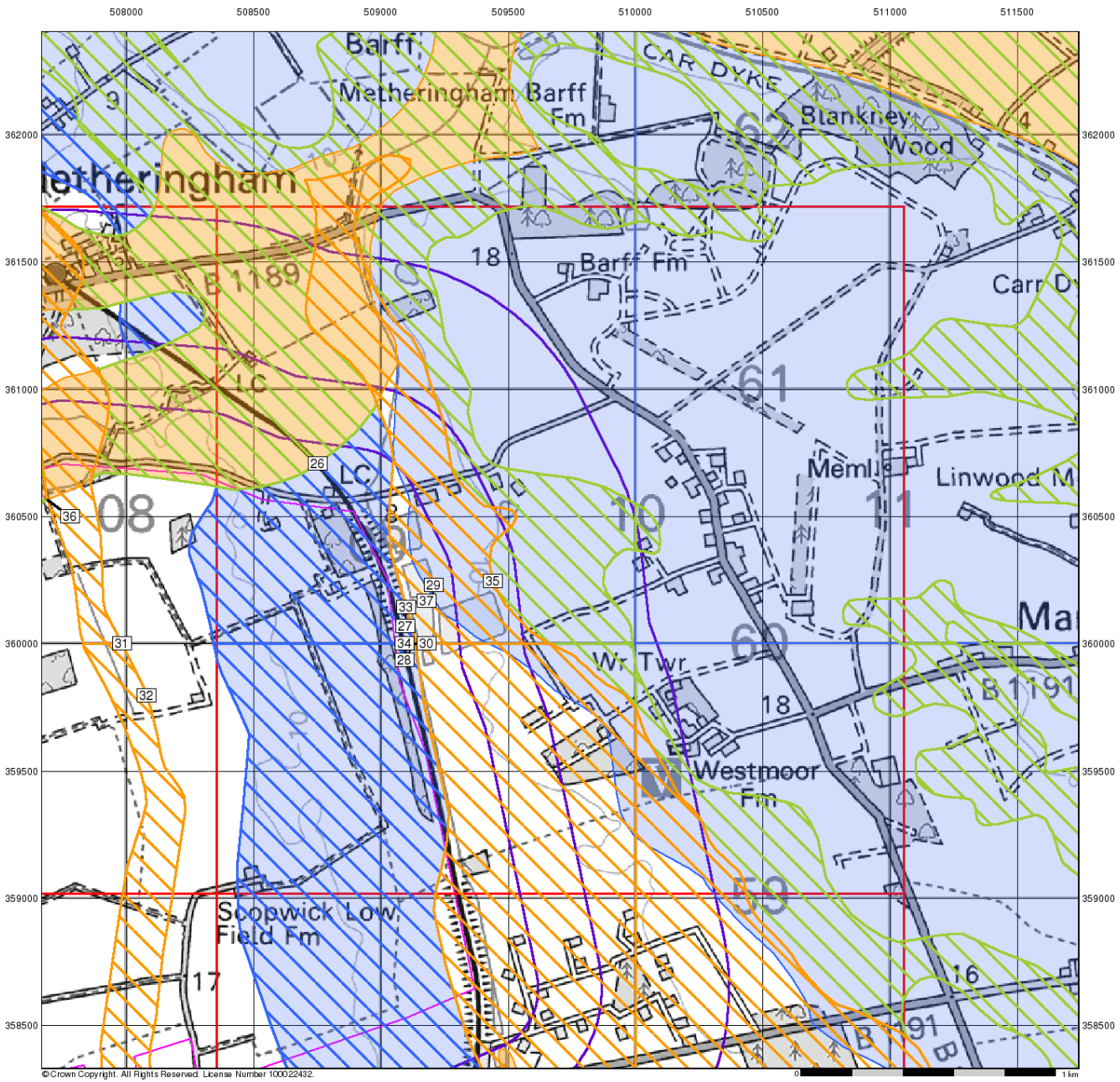

Envirocheck®

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Ground Stability Data (1:50,000)

General

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

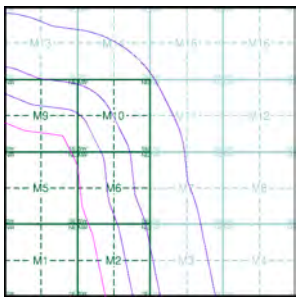
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice M



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
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Site Details

All Areas New

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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
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Electricity Transmission Line
Pole
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
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
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

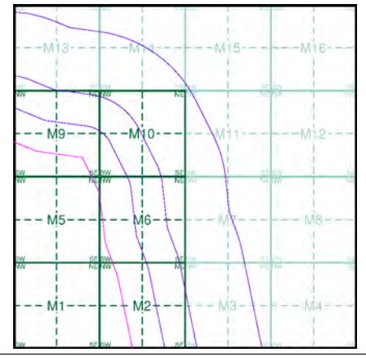
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m 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

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906 - 1907	3
Lincolnshire	1:10,560	1947 - 1950	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1977	6
Ordnance Survey Plan	1:10,000	1983 - 1985	7
10K Raster Mapping	1:10,000	2000	8
Street View	Variable		9

Historical Map - Slice M



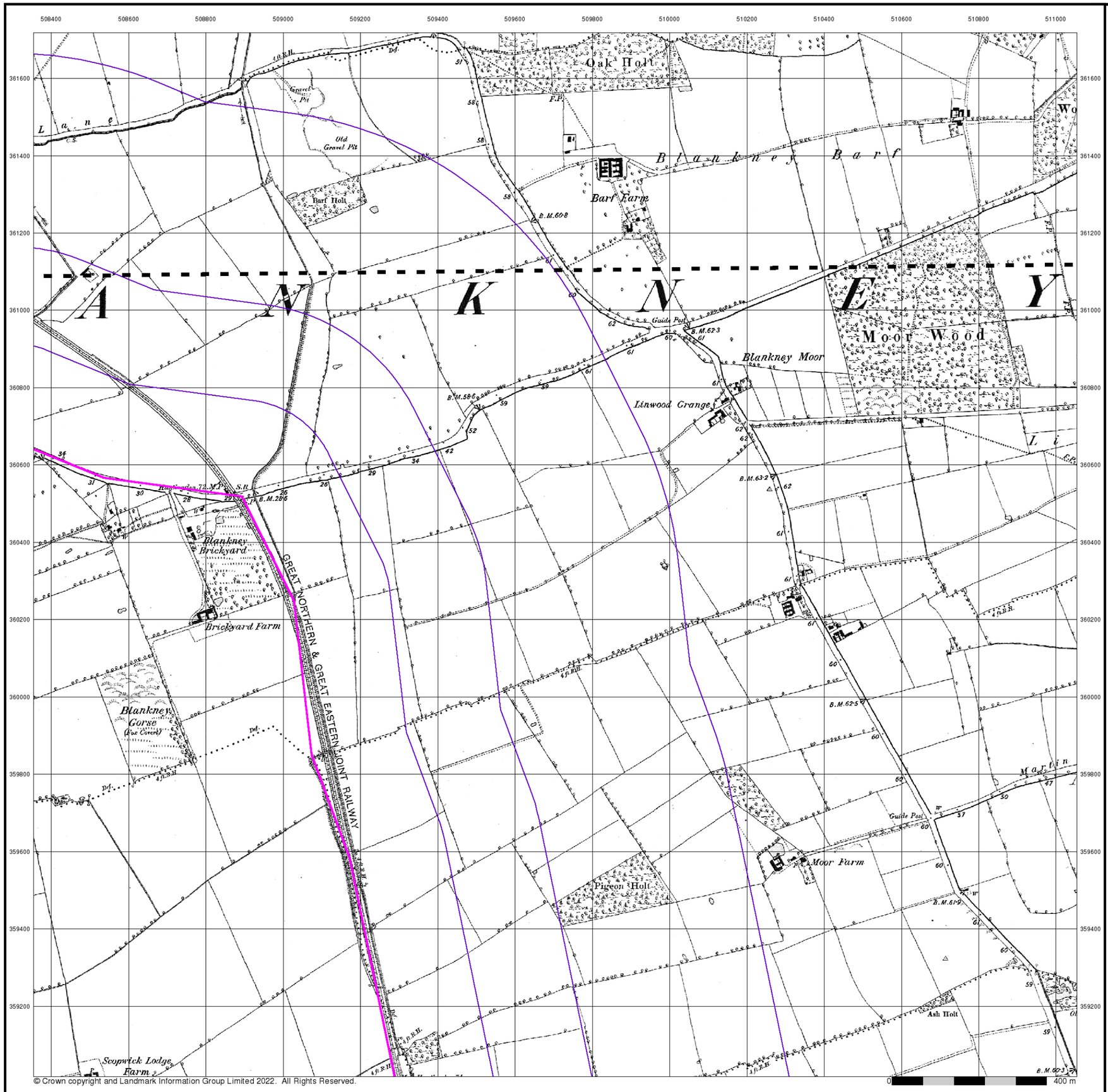
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 509180, 360170
Slice: M
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

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



RSK

Lincolnshire

Published 1887

Source map scale - 1:10,560

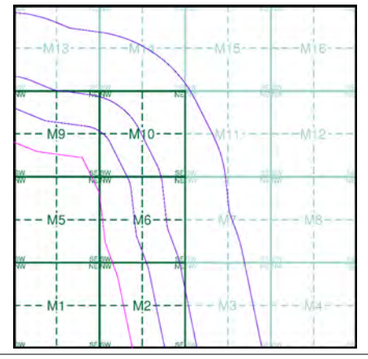
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

079SE
1887
1:10,560

087NE
1887
1:10,560

Historical Map - Slice M



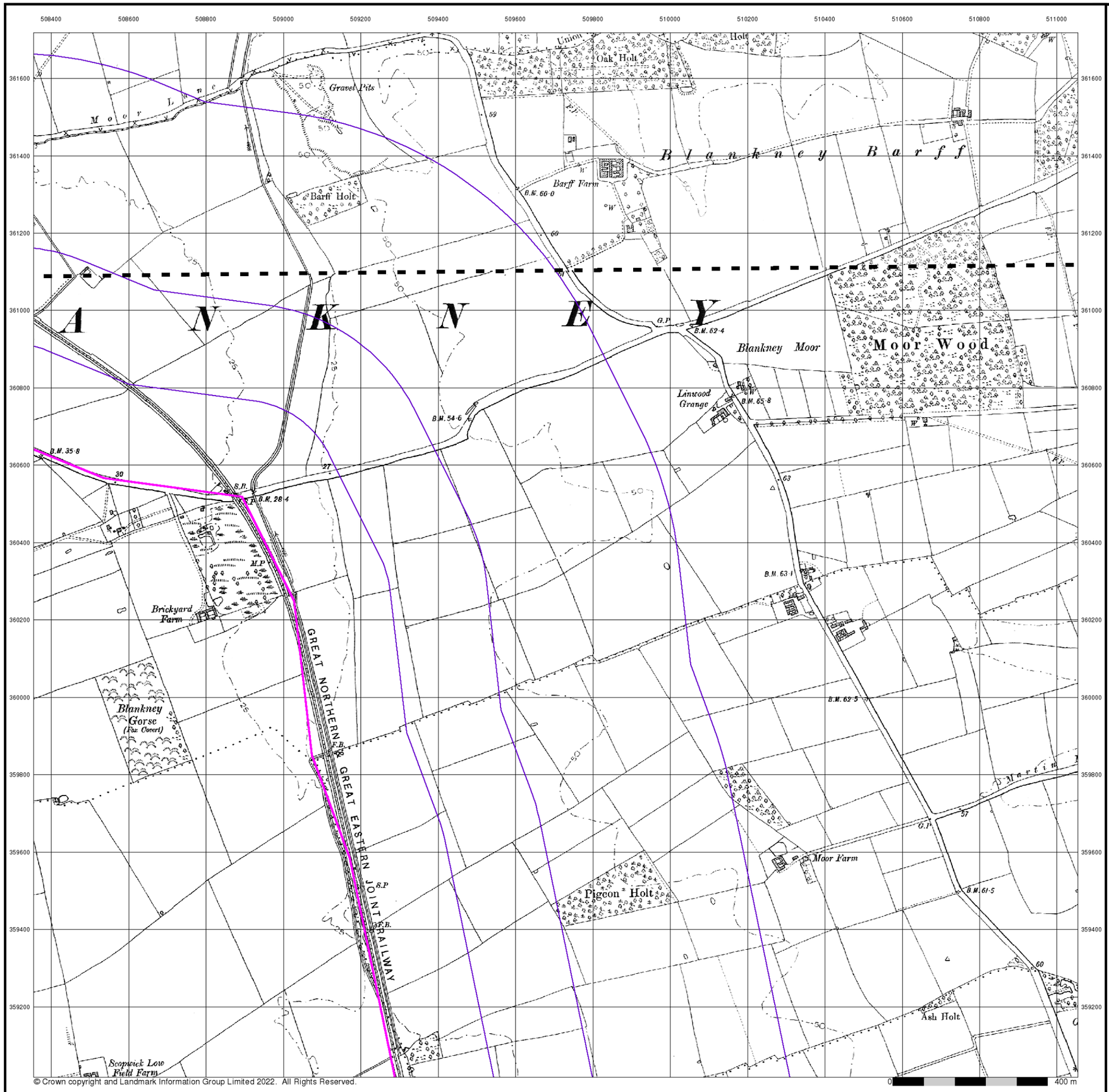
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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



RSK

Lincolnshire

Published 1906 - 1907

Source map scale - 1:10,560

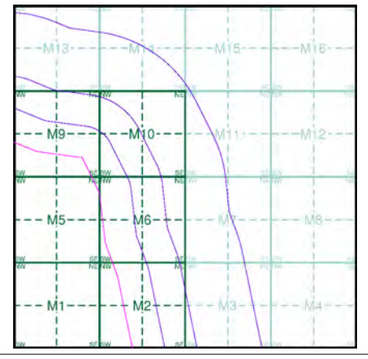
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

079SE
1907
1:10,560

087NE
1906
1:10,560

Historical Map - Slice M



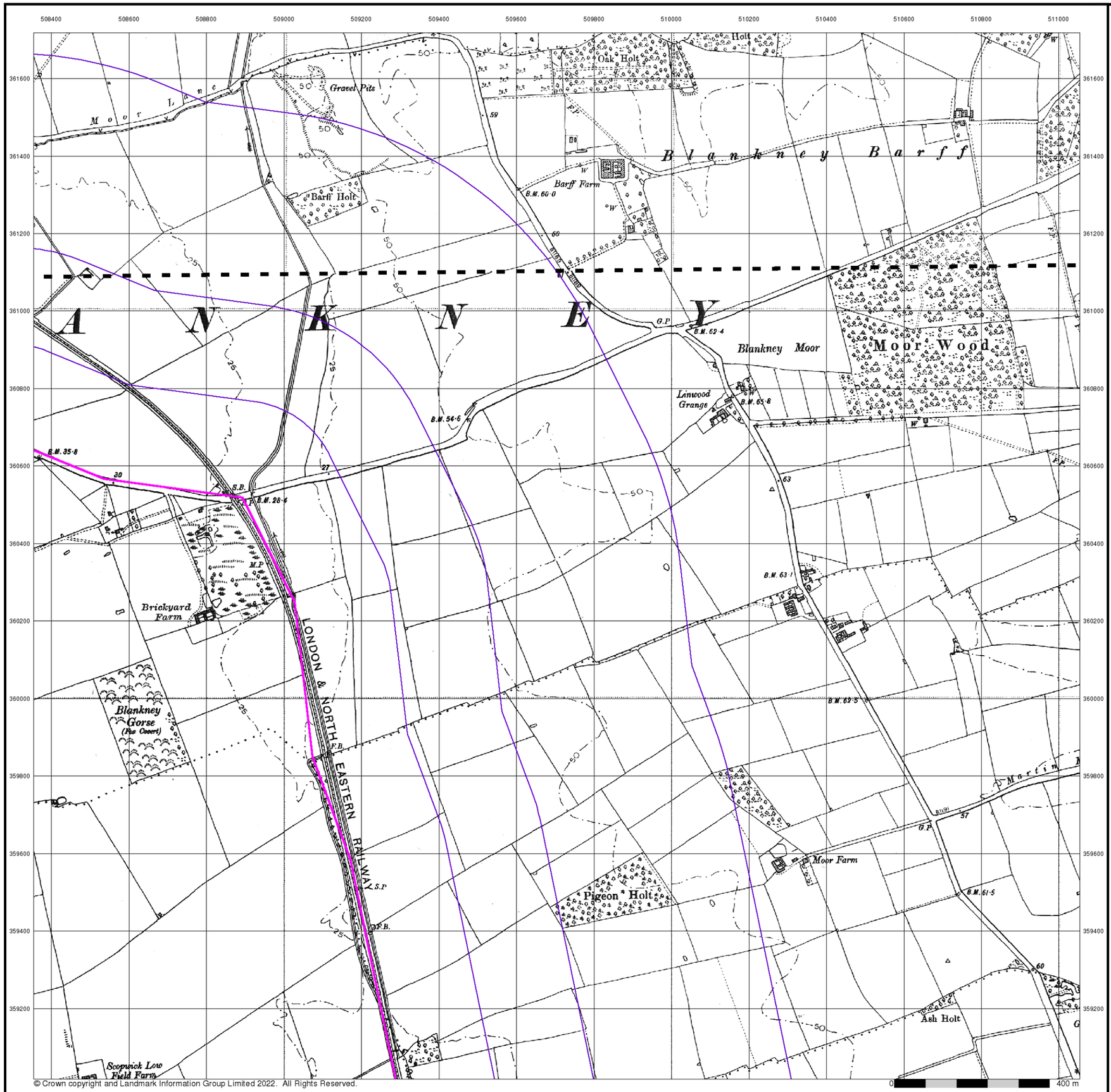
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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



RSK

Lincolnshire

Published 1947 - 1950

Source map scale - 1:10,560

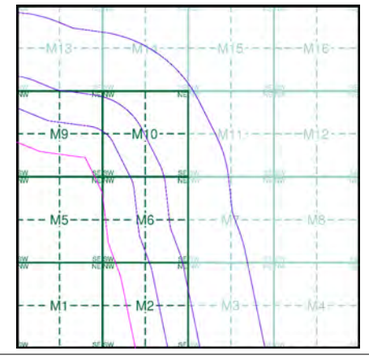
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

079SE
1950
1:10,560

087NE
1947
1:10,560

Historical Map - Slice M



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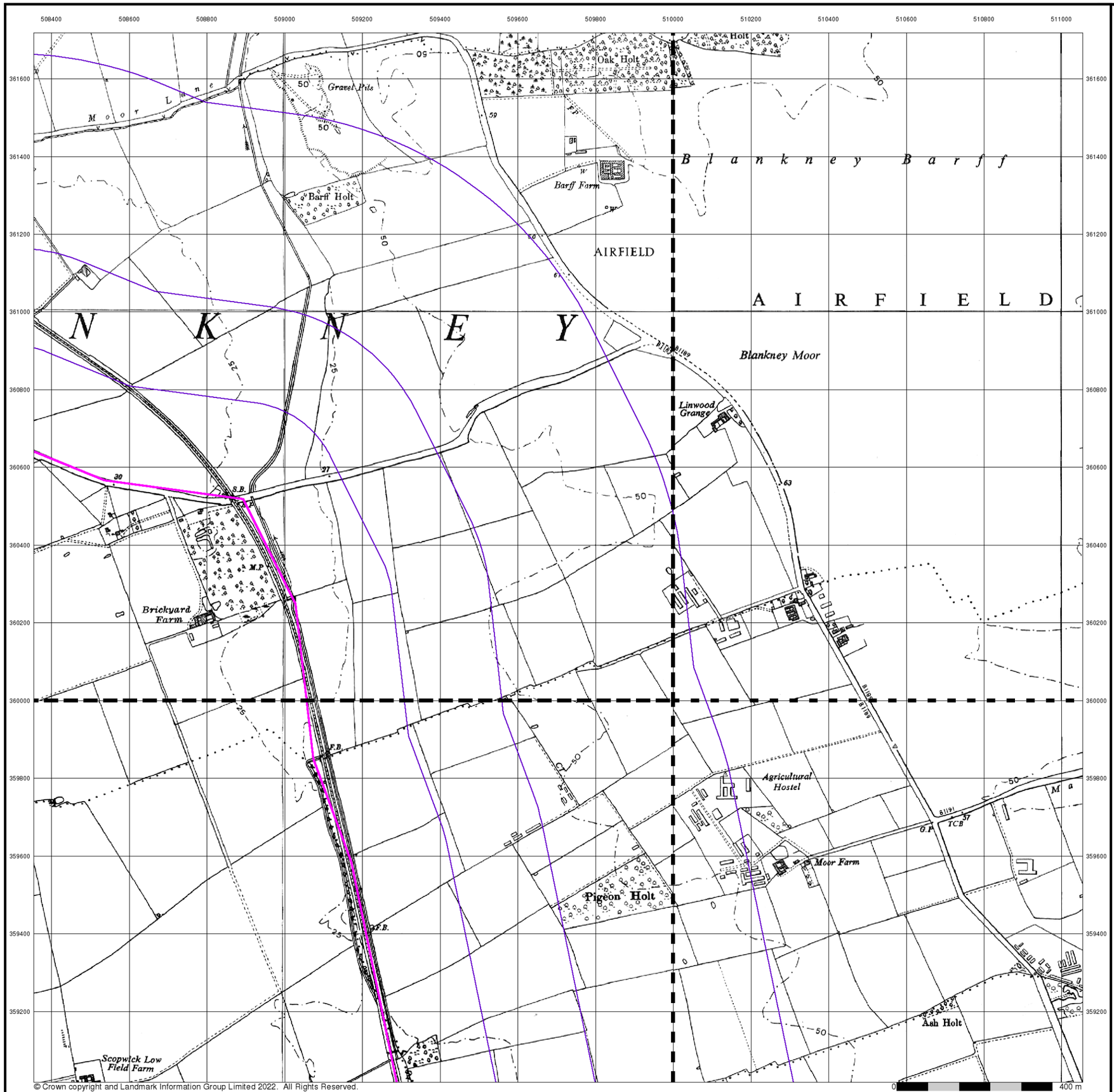

RSK

Ordnance Survey Plan

Published 1956

Source map scale - 1:10,000

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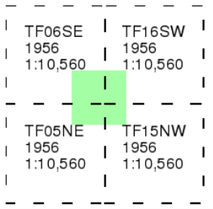
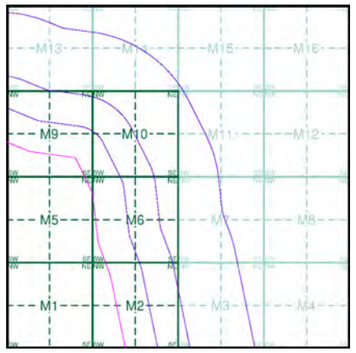
Map Name(s) and Date(s)



Historical Map - Slice M



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Site Area (Ha):	1774.17
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All Areas New

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Ordnance Survey Plan

Published 1977

Source map scale - 1:10,000

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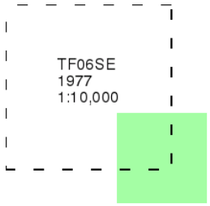
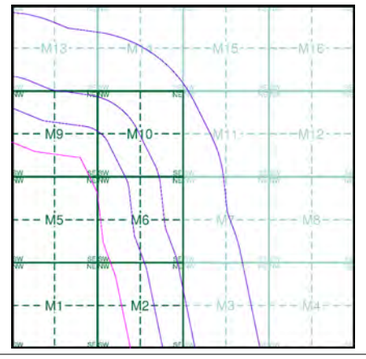


Historical Map - Slice M



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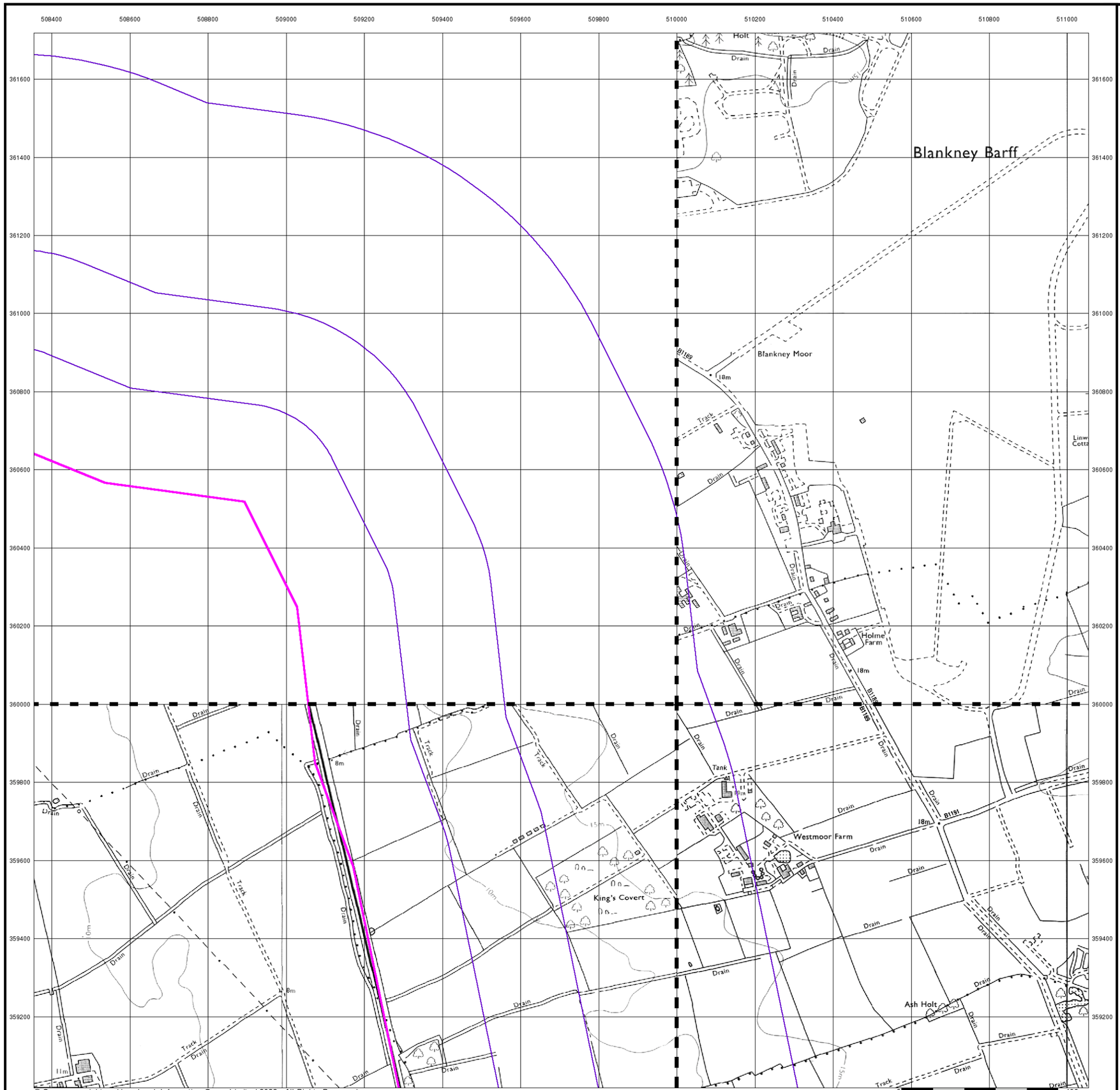

0 400 m

RSK

Ordnance Survey Plan

Published 1983 - 1985

Source map scale - 1:10,000

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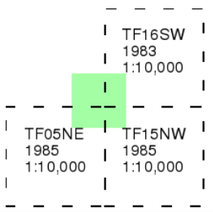
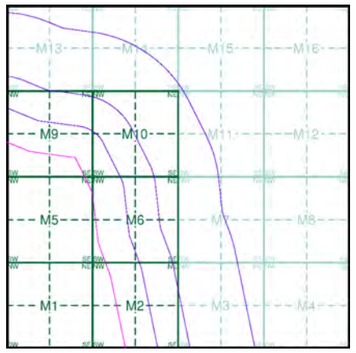
Map Name(s) and Date(s)



Historical Map - Slice M



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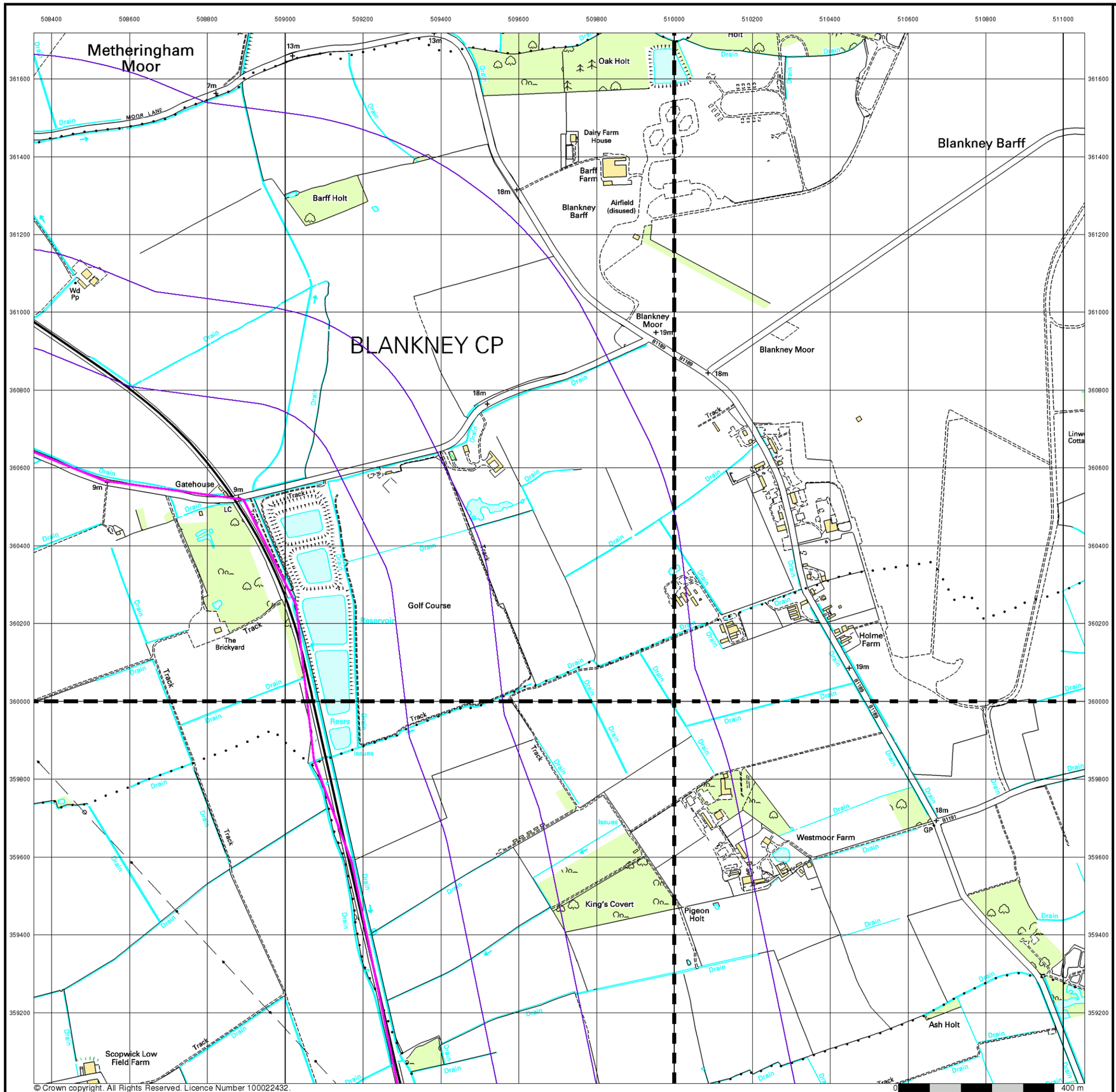


RSK

10k Raster Mapping

Published 2000

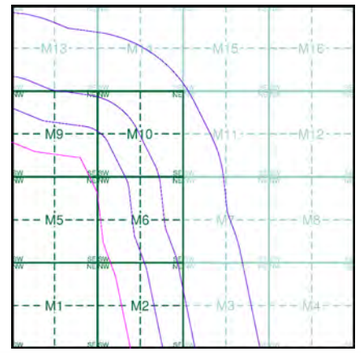
Source map scale - 1:10,000

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)

TF06SE 2000 1:10,000	TF16SW 2000 1:10,000
TF05NE 2000 1:10,000	TF15NW 2000 1:10,000

Historical Map - Slice M



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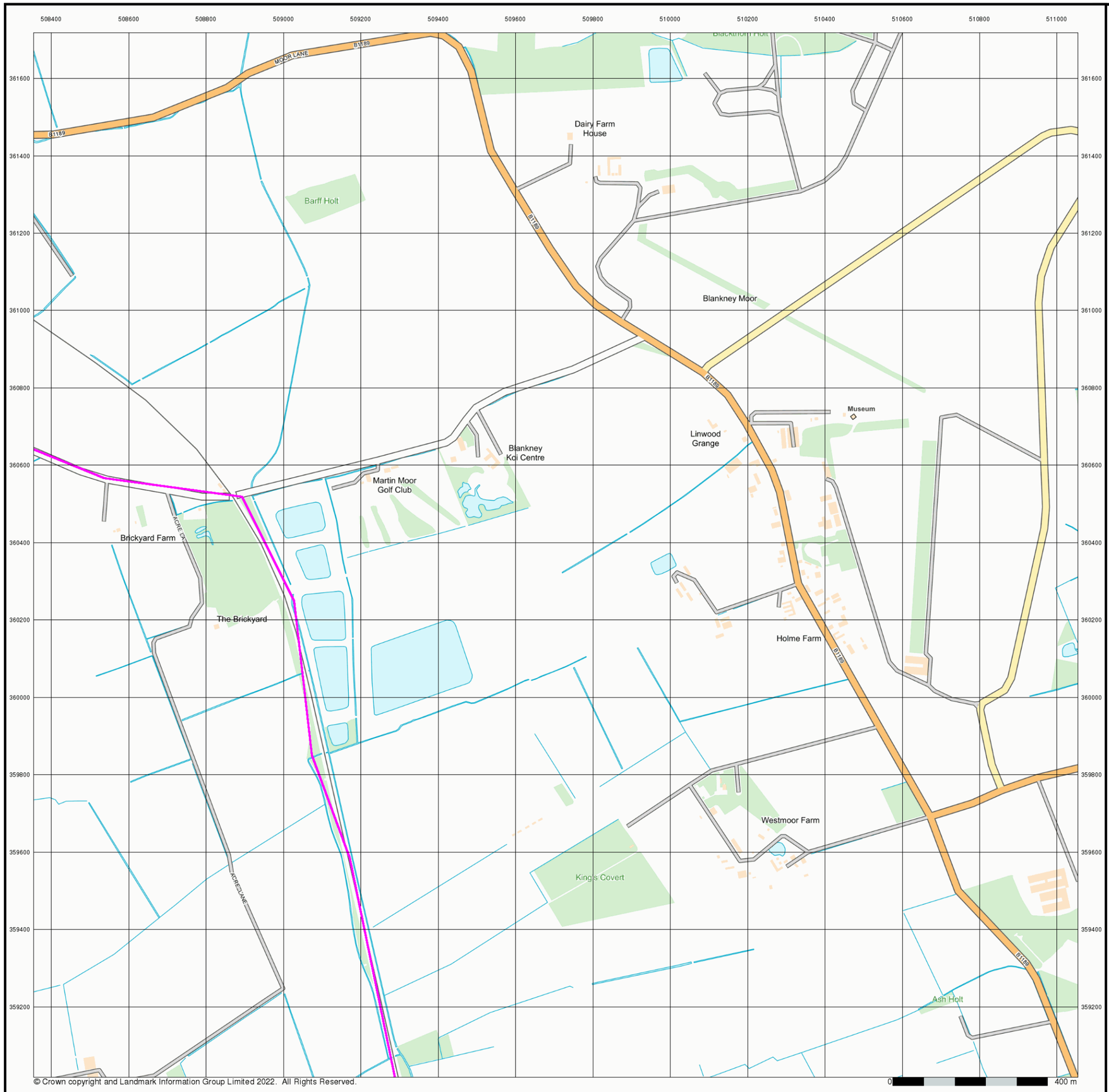


RSK

Street View

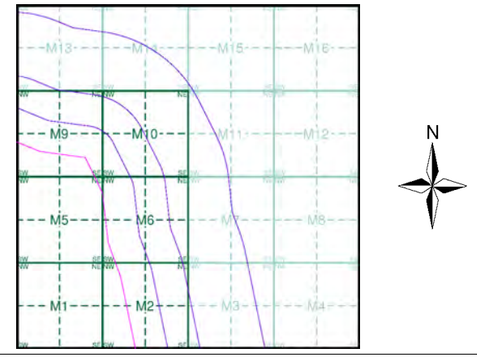
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice M



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All Areas New

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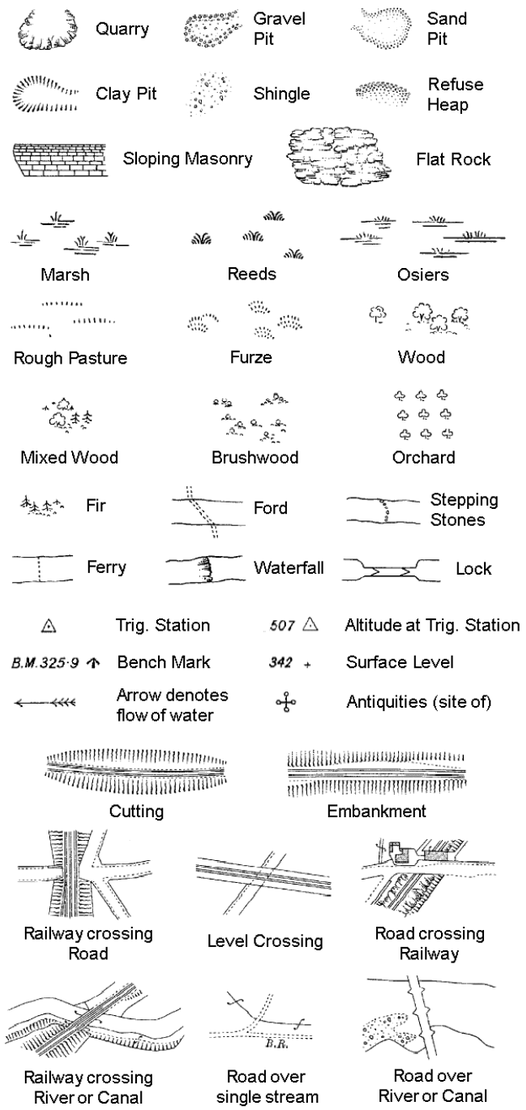
Historical Mapping Legends

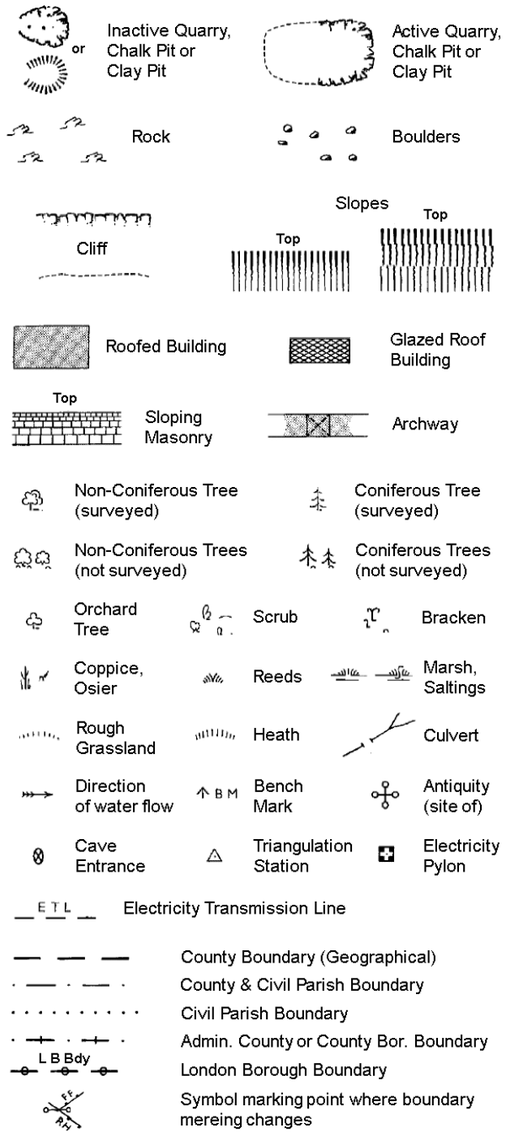
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

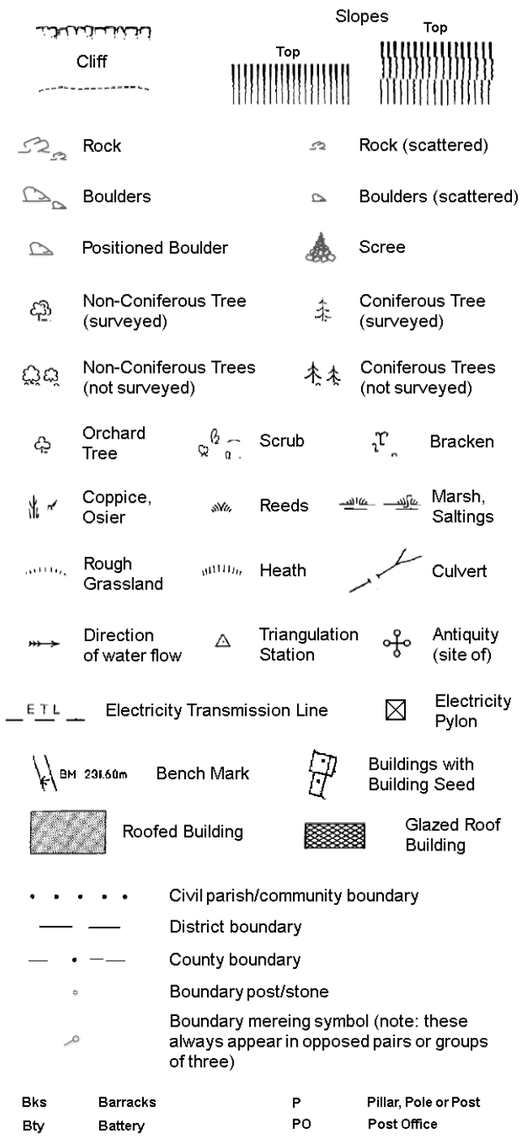
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

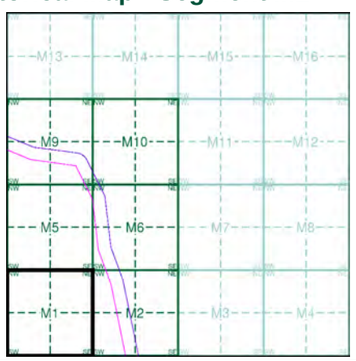
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment M1



Order Details

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National Grid Reference: 509180, 360170
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Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
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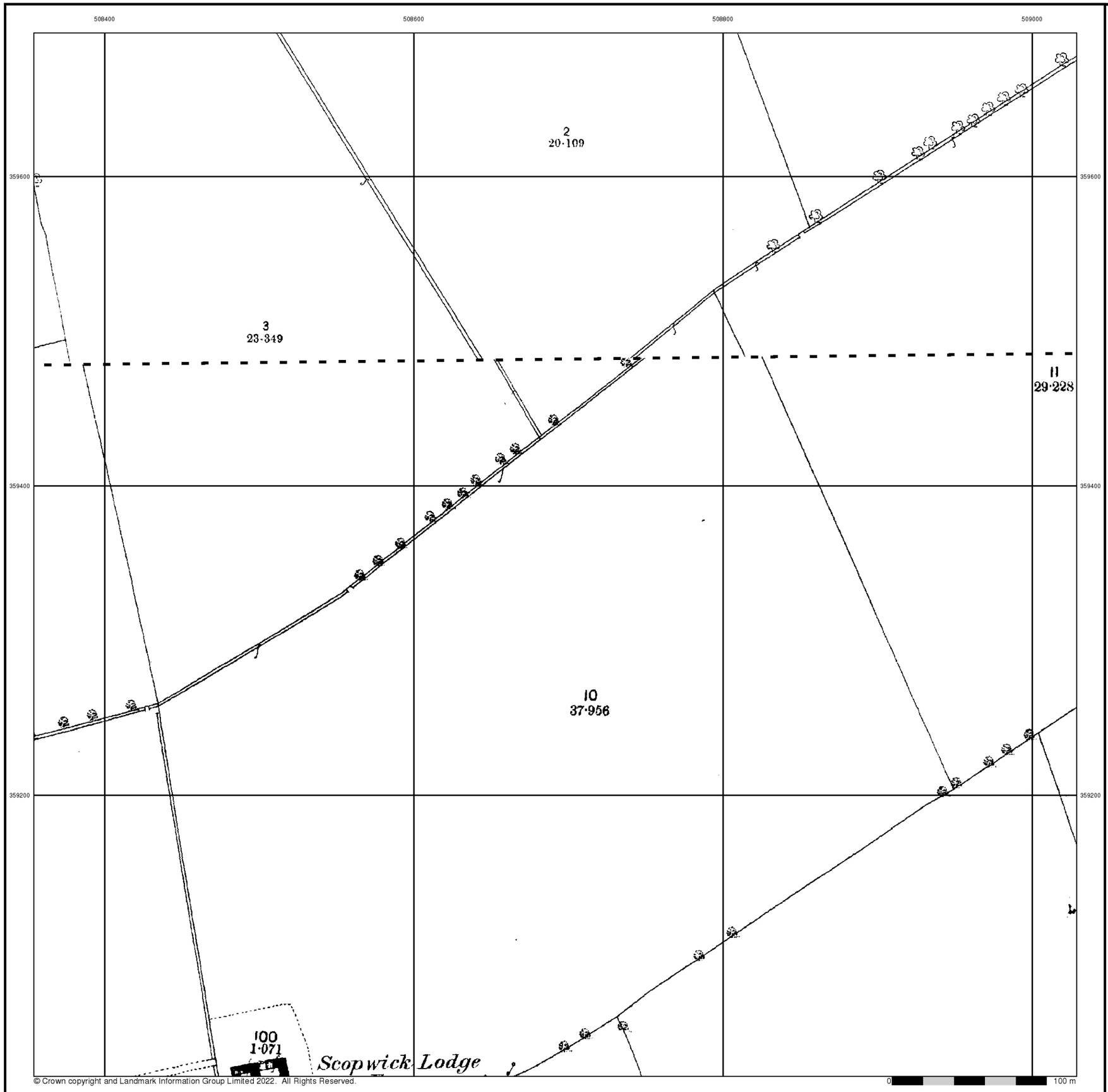

RSK

Lincolnshire

Published 1888

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.

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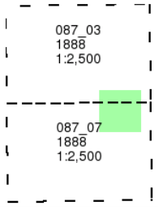
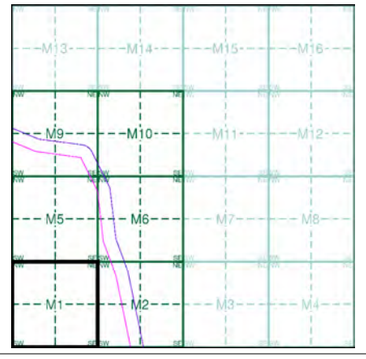


Historical Map - Segment M1



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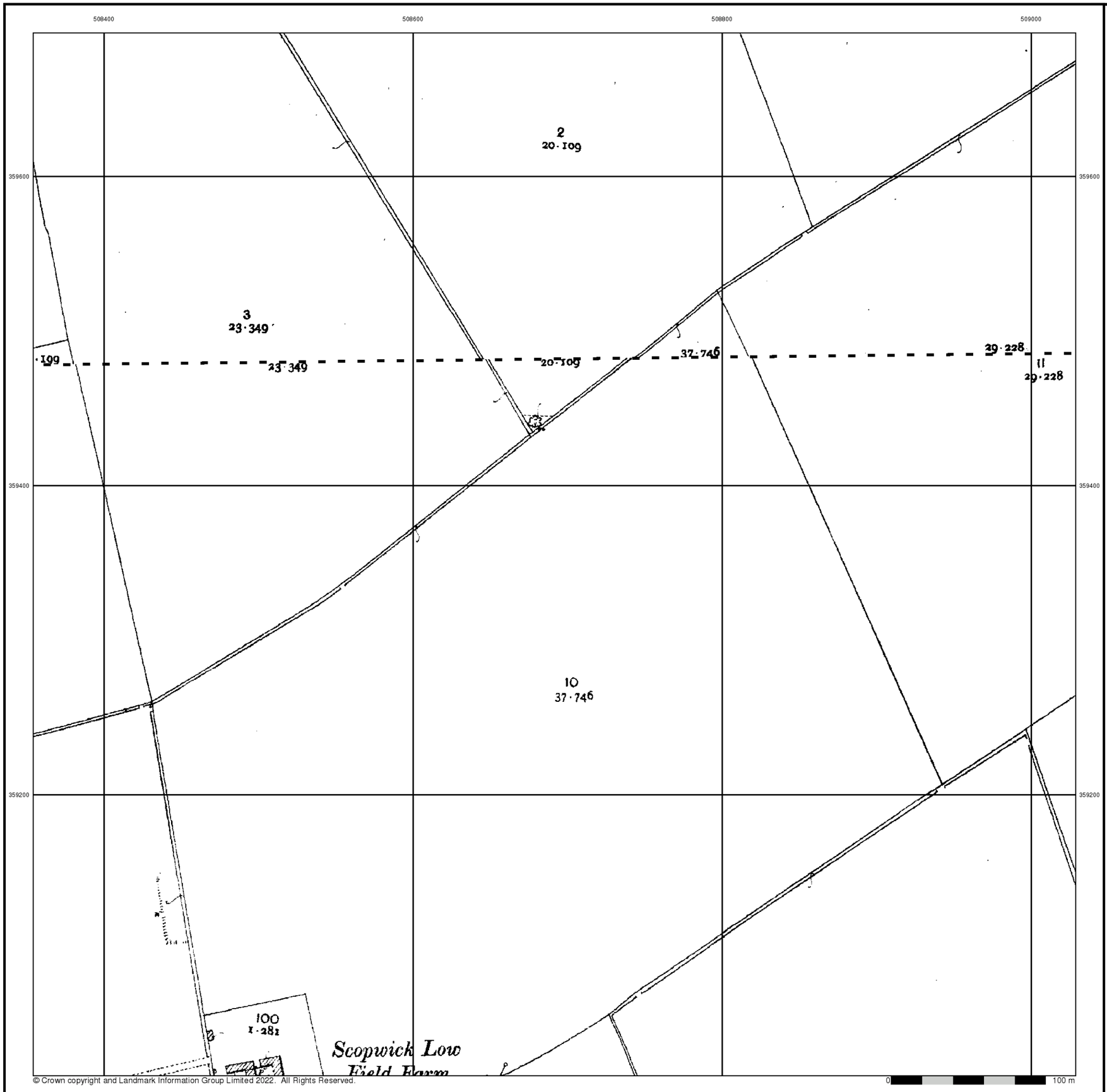

Lincolnshire

Published 1905

Source map scale - 1:2,500

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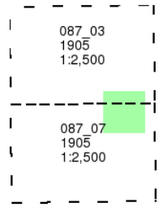
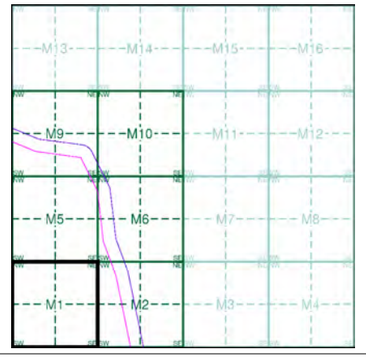


Historical Map - Segment M1



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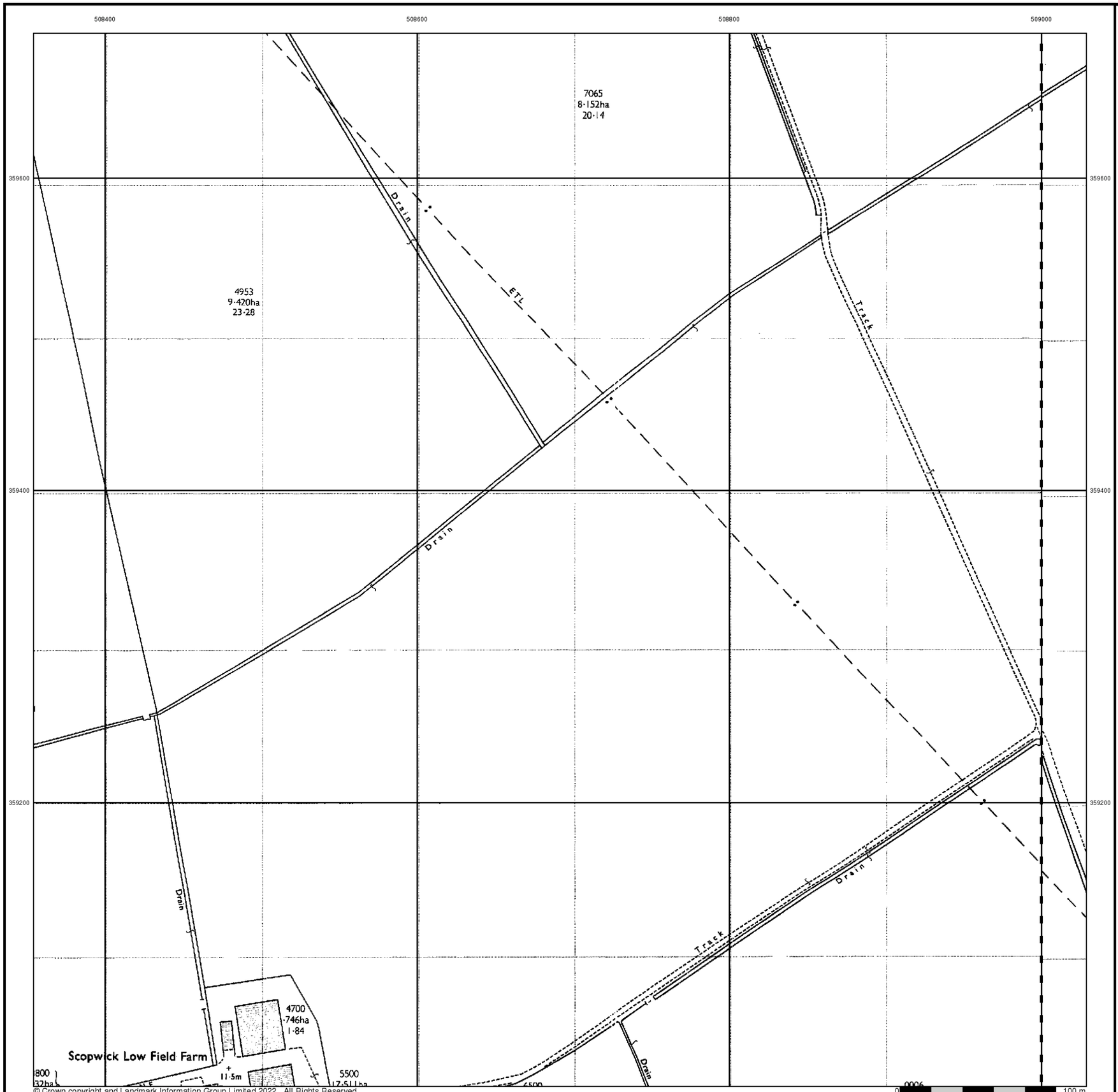

RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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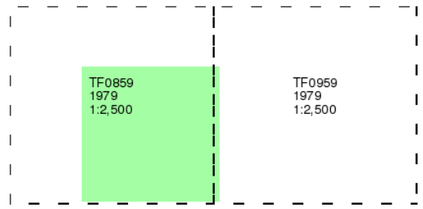

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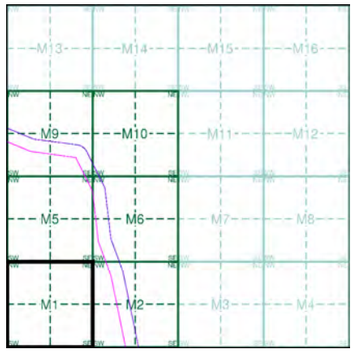

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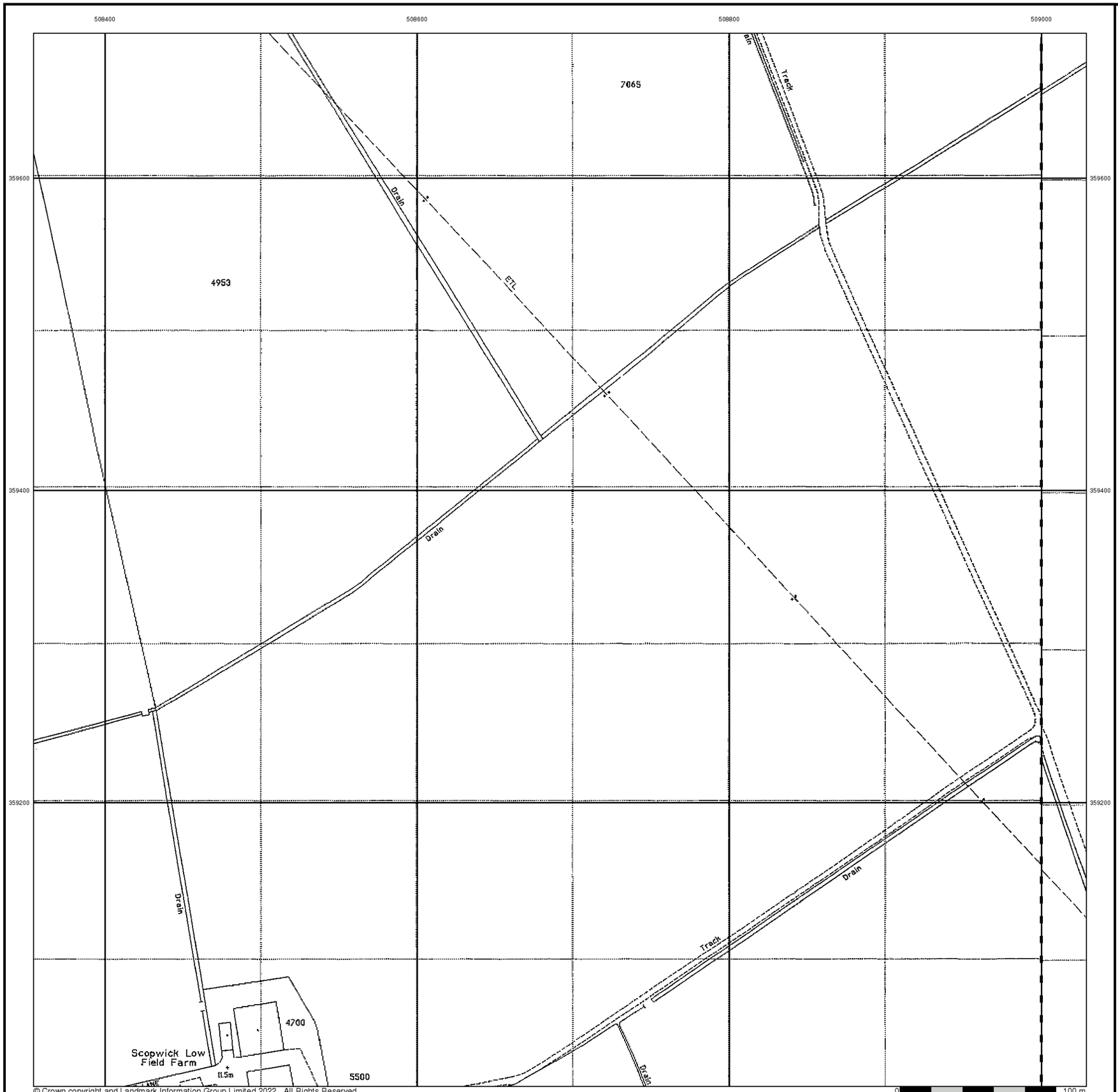


RSK

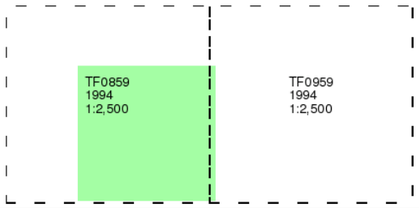
Large-Scale National Grid Data

Published 1994

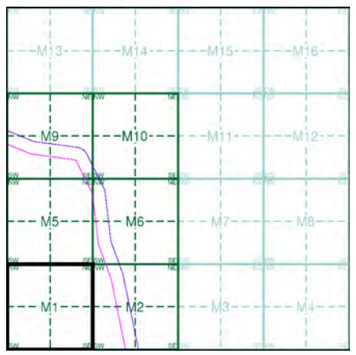
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment M1



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	100

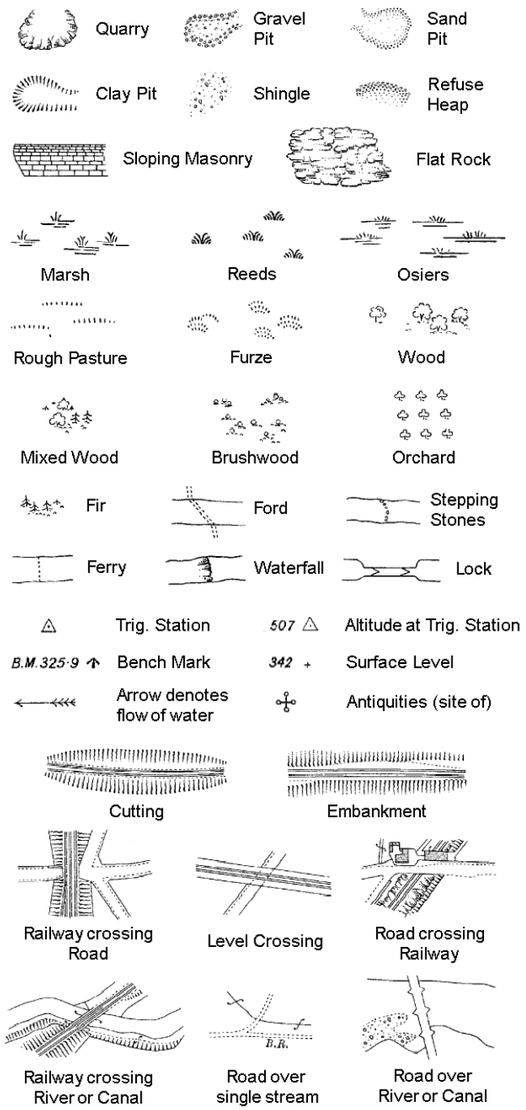
Site Details

All Areas New

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

Historical Mapping Legends

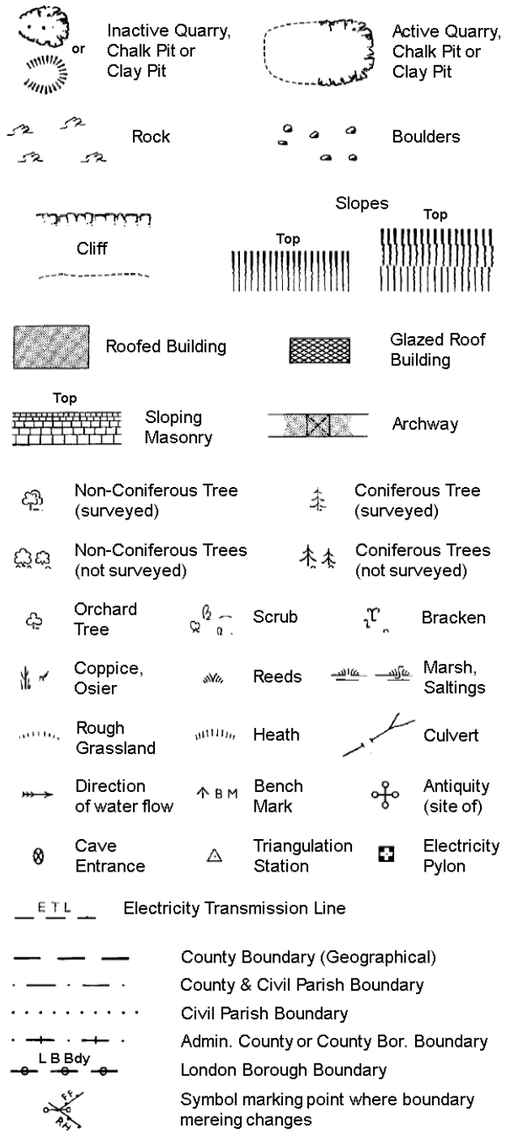
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

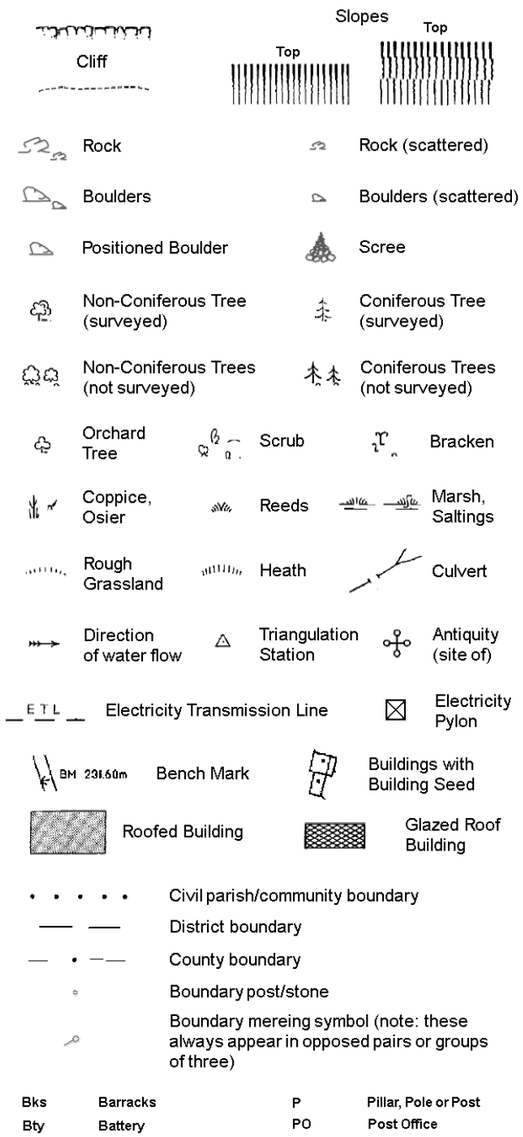
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

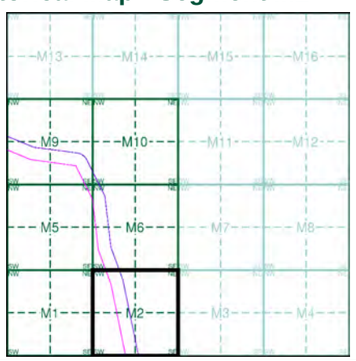
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment M2



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 509180, 360170
Slice: M
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
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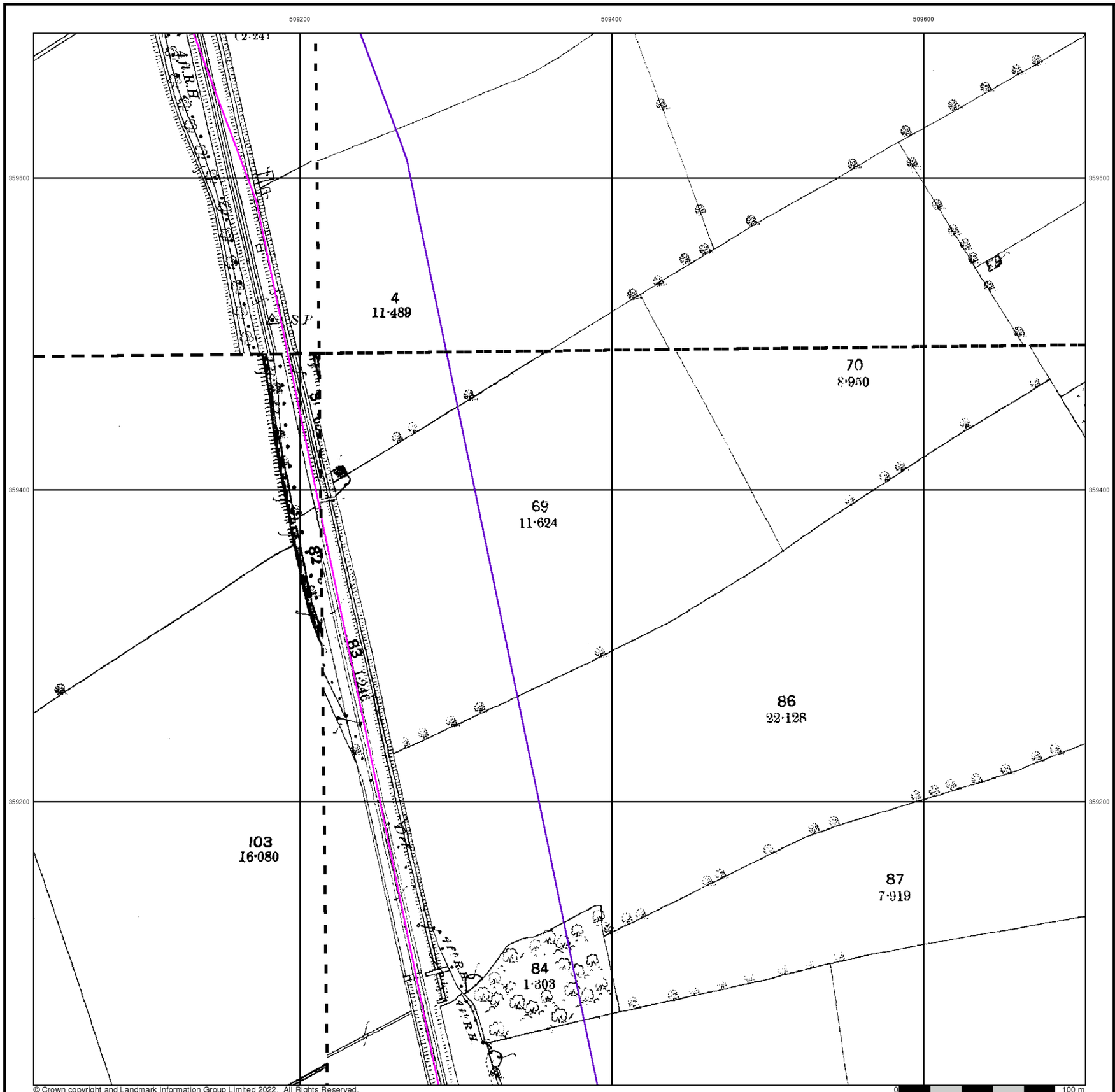
Web: www.envirocheck.co.uk



RSK

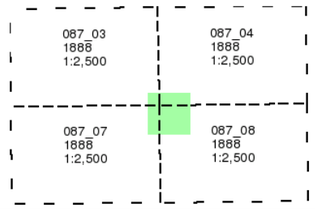
Lincolnshire

Published 1888

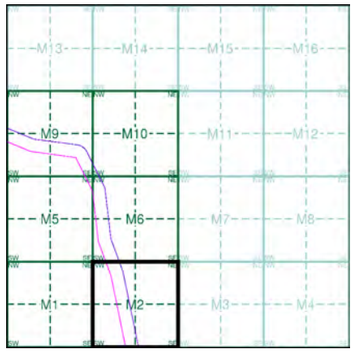
Source map scale - 1:2,500

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 M2



Order Details

Order Number:	303381609_1_1
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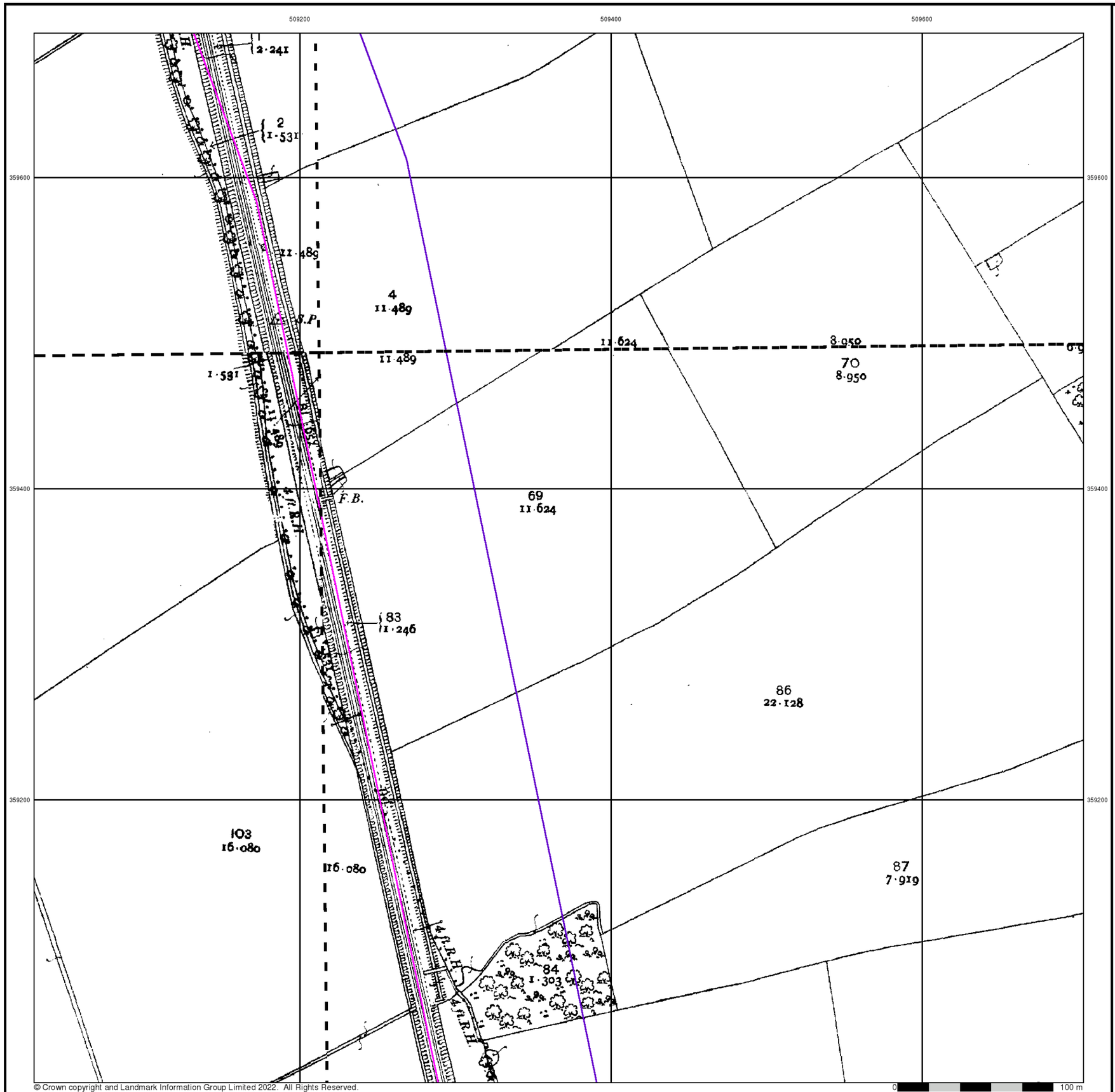

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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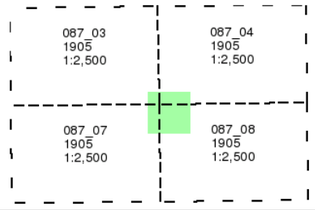
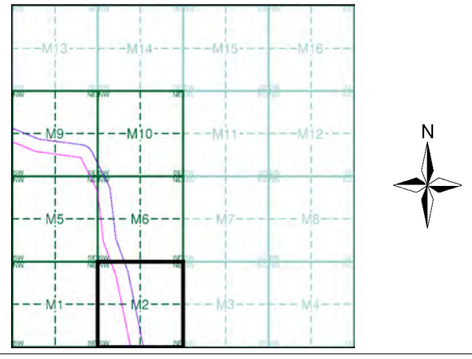


Historical Map - Segment M2



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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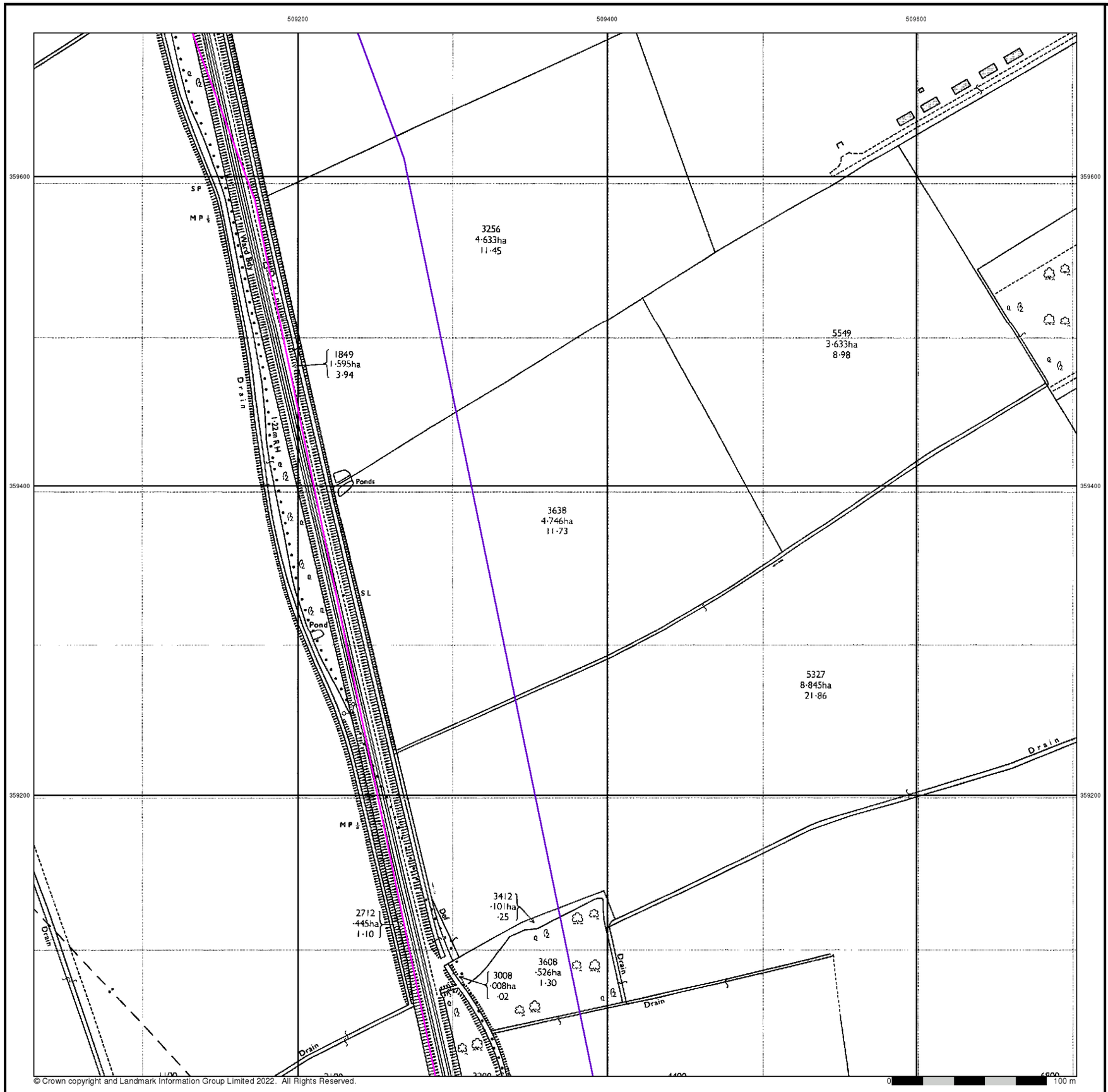


RSK

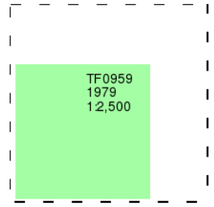
Ordnance Survey Plan

Published 1979

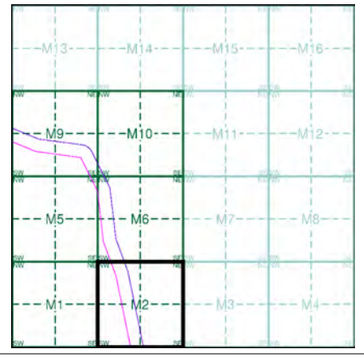
Source map scale - 1:2,500

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 M2



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	100

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509200 509400 509600

359600 359400 359200

Drain
SP
MP 5
3256
5549
Drain
12m RH
Ponds
3638
Ha Ec
SL
Pond
5327
Drain
MP 25
Track
Drain
ETL
Drain
Drain
Drain
Drain

0 100 m

RSK

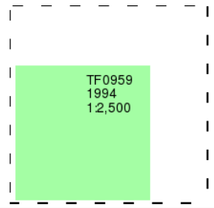
Large-Scale National Grid Data

Published 1994

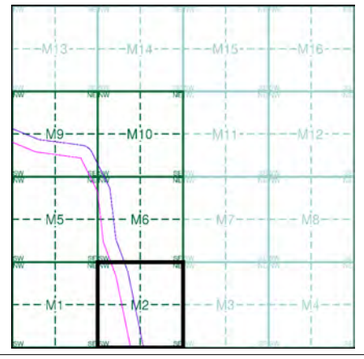
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment M2



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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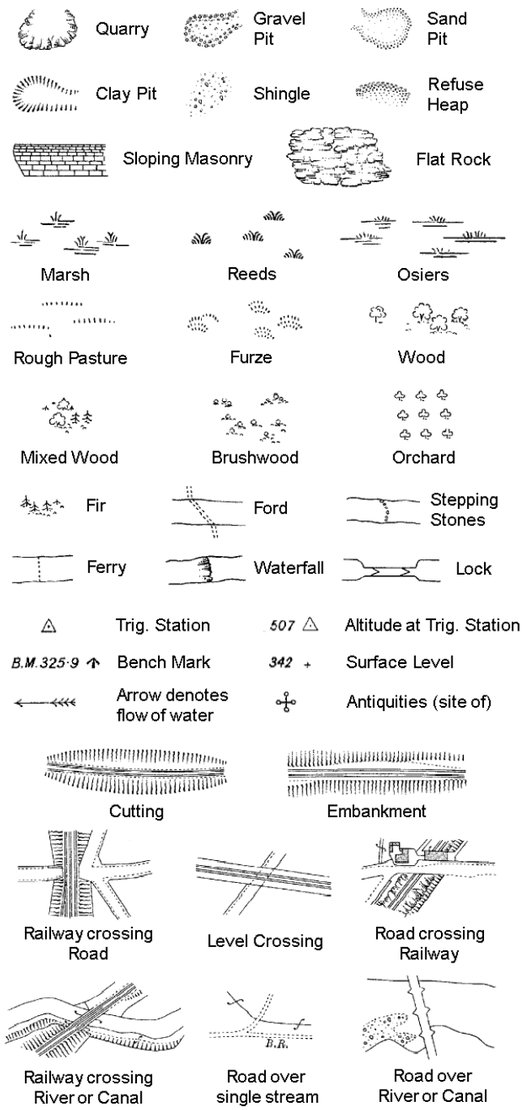
Historical Mapping Legends

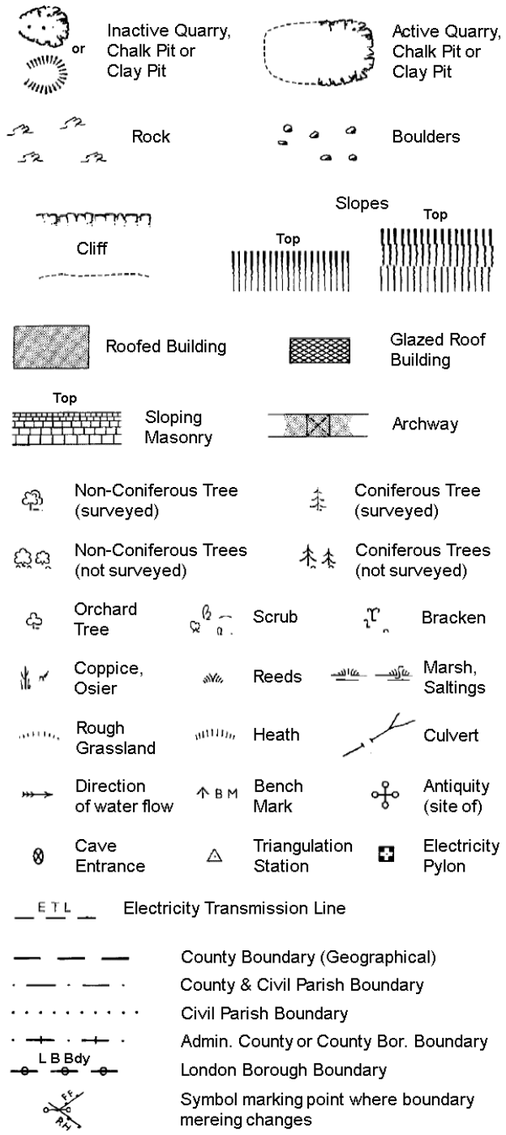
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

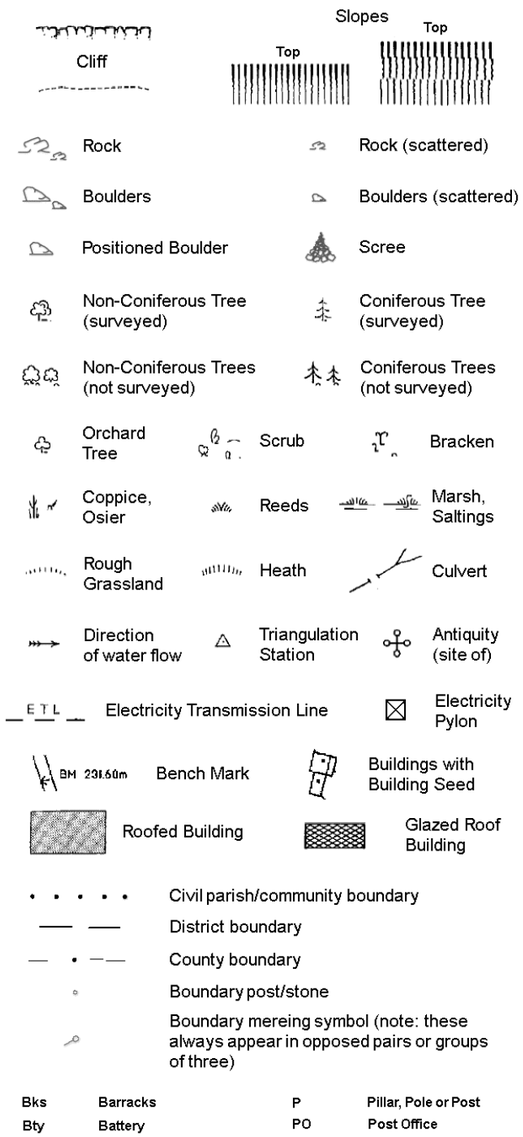
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

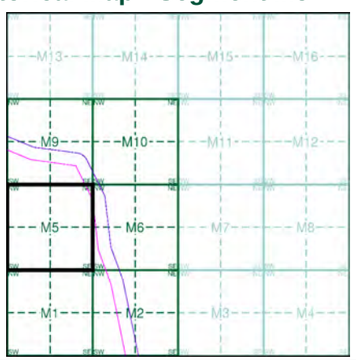
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1973 - 1979	4
Large-Scale National Grid Data	1:2,500	1994 - 1995	5

Historical Map - Segment M5



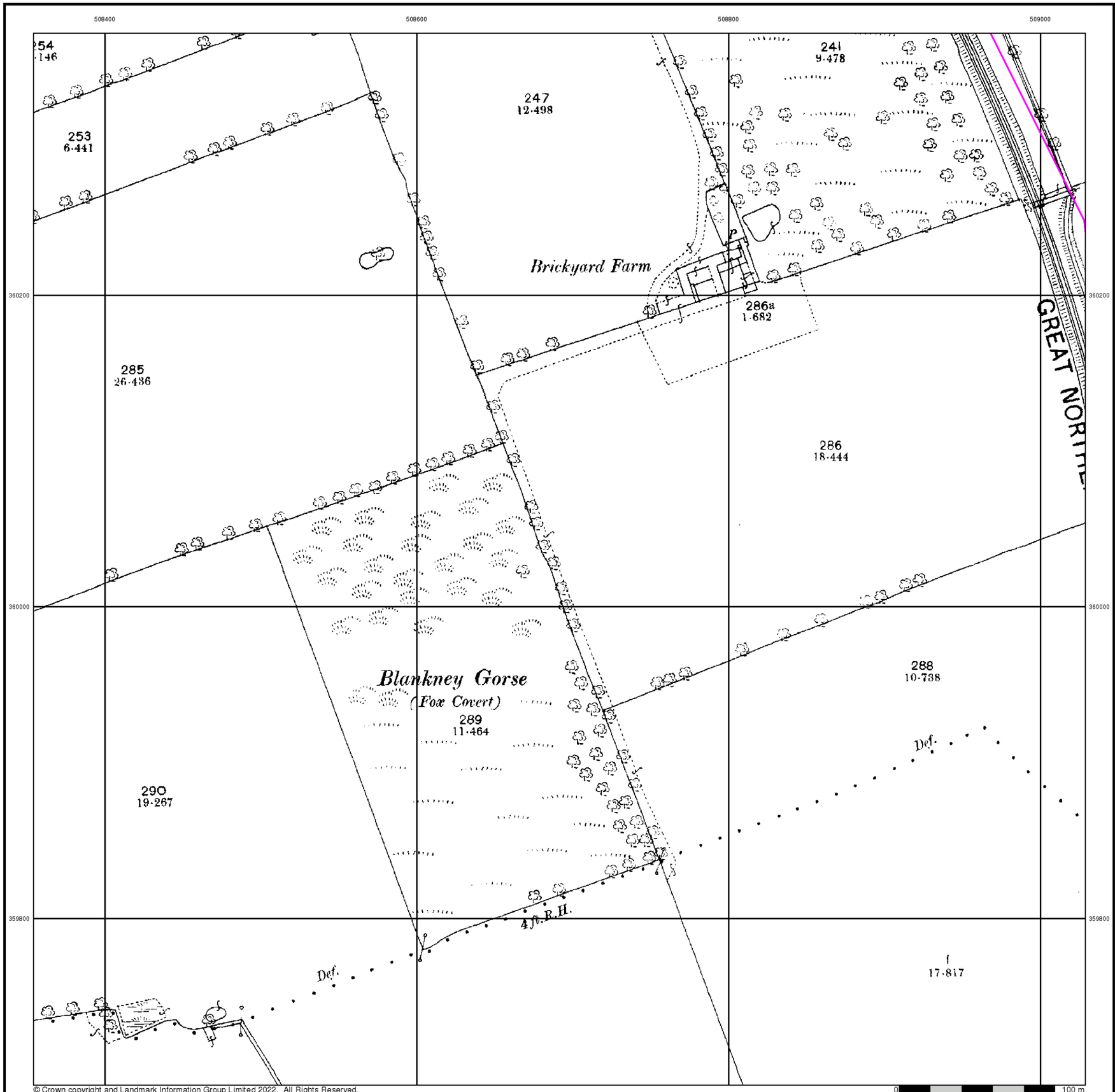
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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



RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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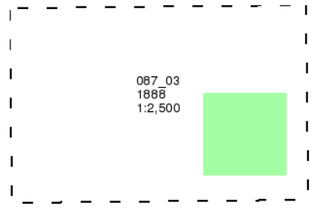
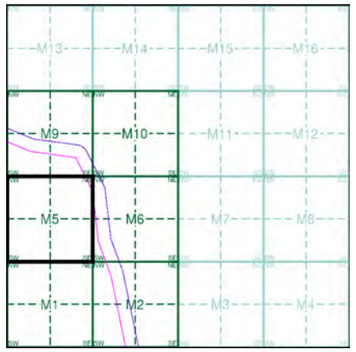
Map Name(s) and Date(s)



Historical Map - Segment M5



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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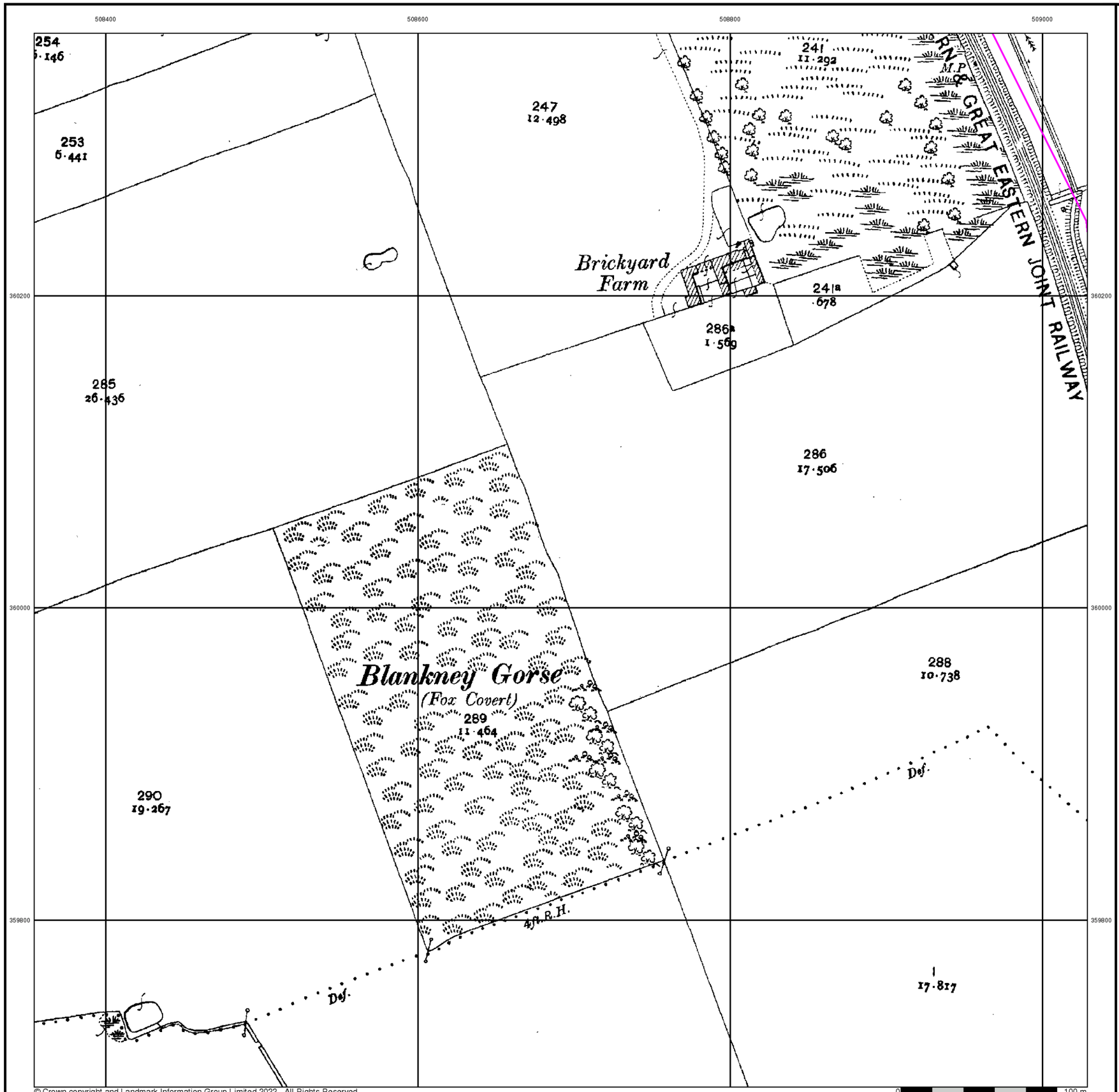

0 100 m

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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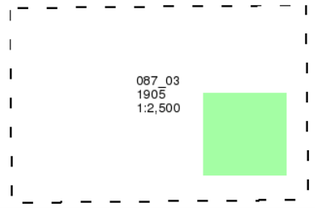
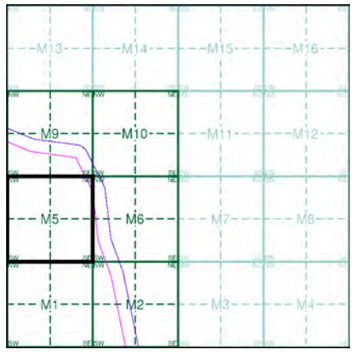


Historical Map - Segment M5



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Slice:	M
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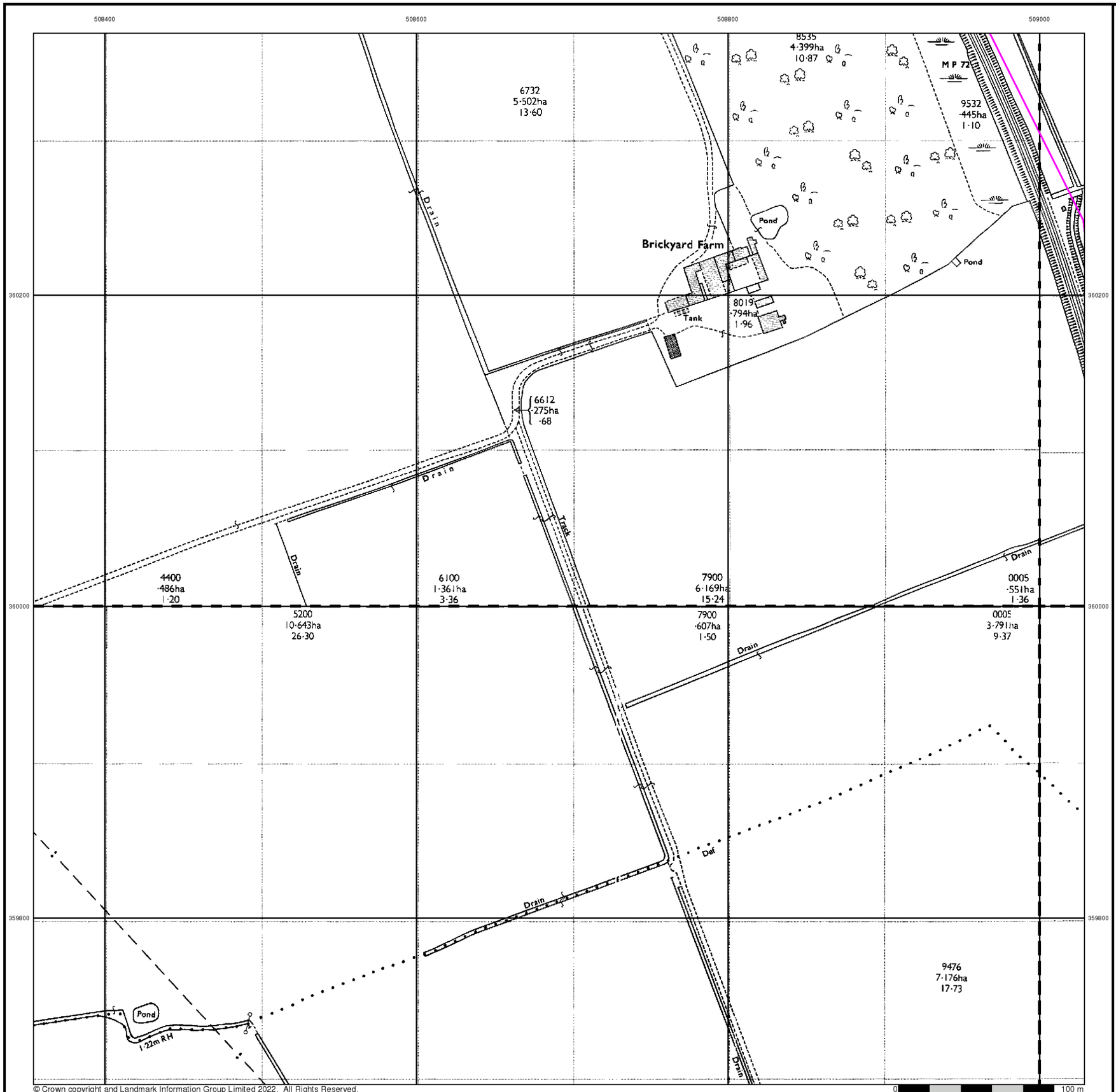

RSK

Ordnance Survey Plan

Published 1973 - 1979

Source map scale - 1:2,500

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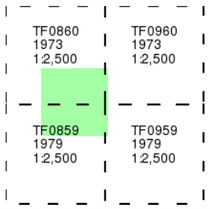
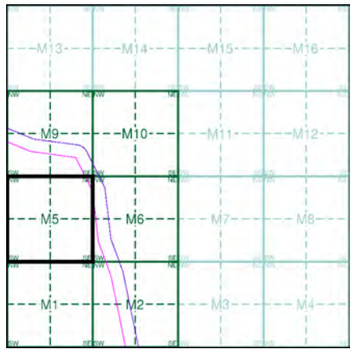
Map Name(s) and Date(s)



Historical Map - Segment M5



Order Details

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National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP

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

RSK

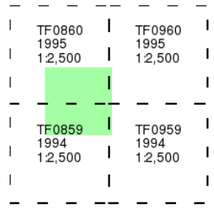
Large-Scale National Grid Data

Published 1994 - 1995

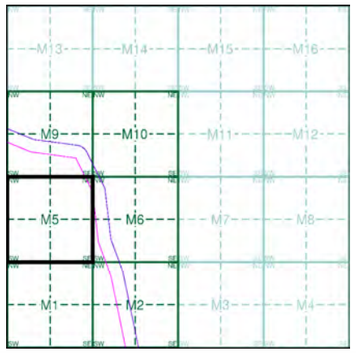
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment M5



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP

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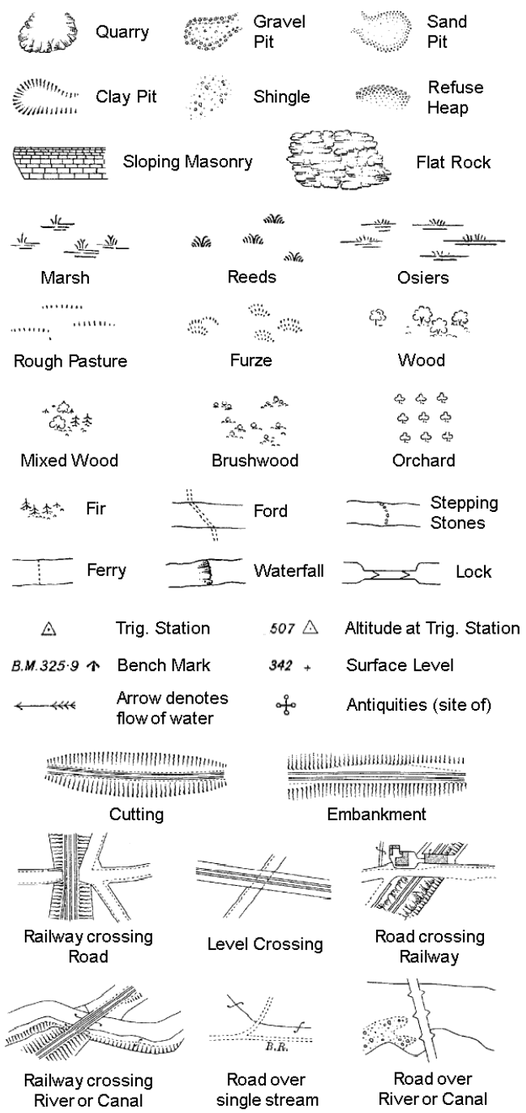
Web: www.envirocheck.co.uk

Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

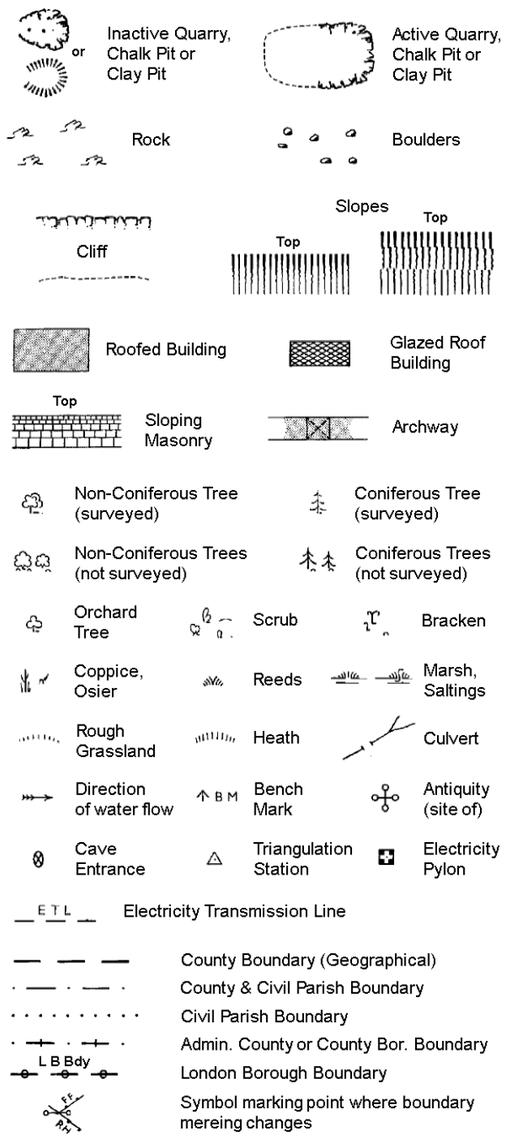
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

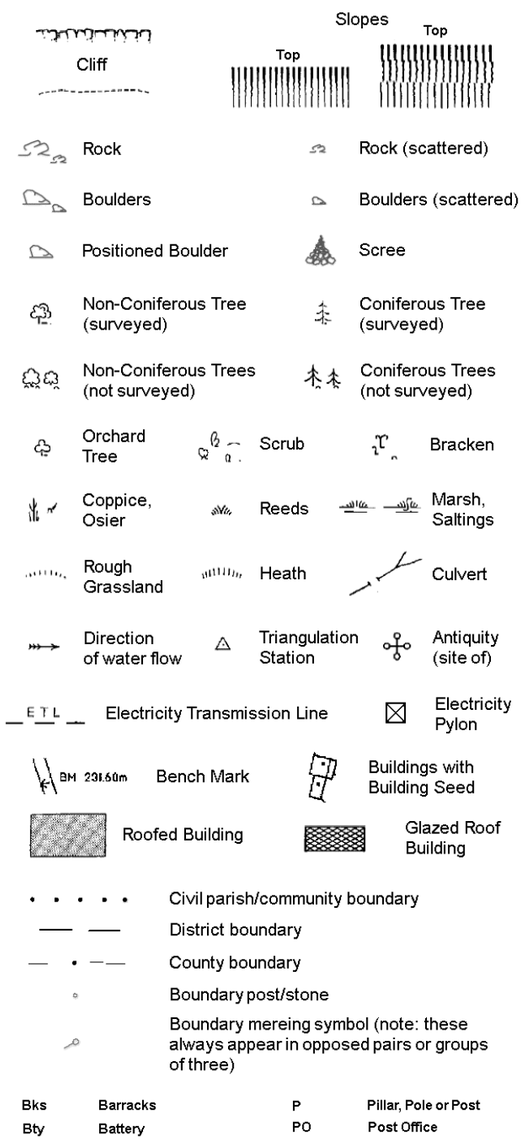
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

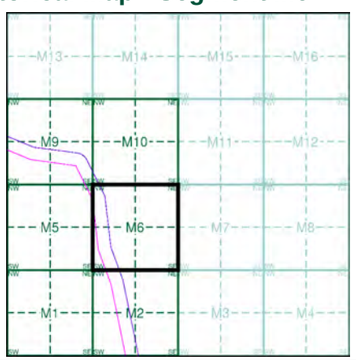
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1973 - 1979	4
Large-Scale National Grid Data	1:2,500	1994 - 1995	5

Historical Map - Segment M6



Order Details

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Customer Ref:	P02130089
National Grid Reference:	509180, 360170
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Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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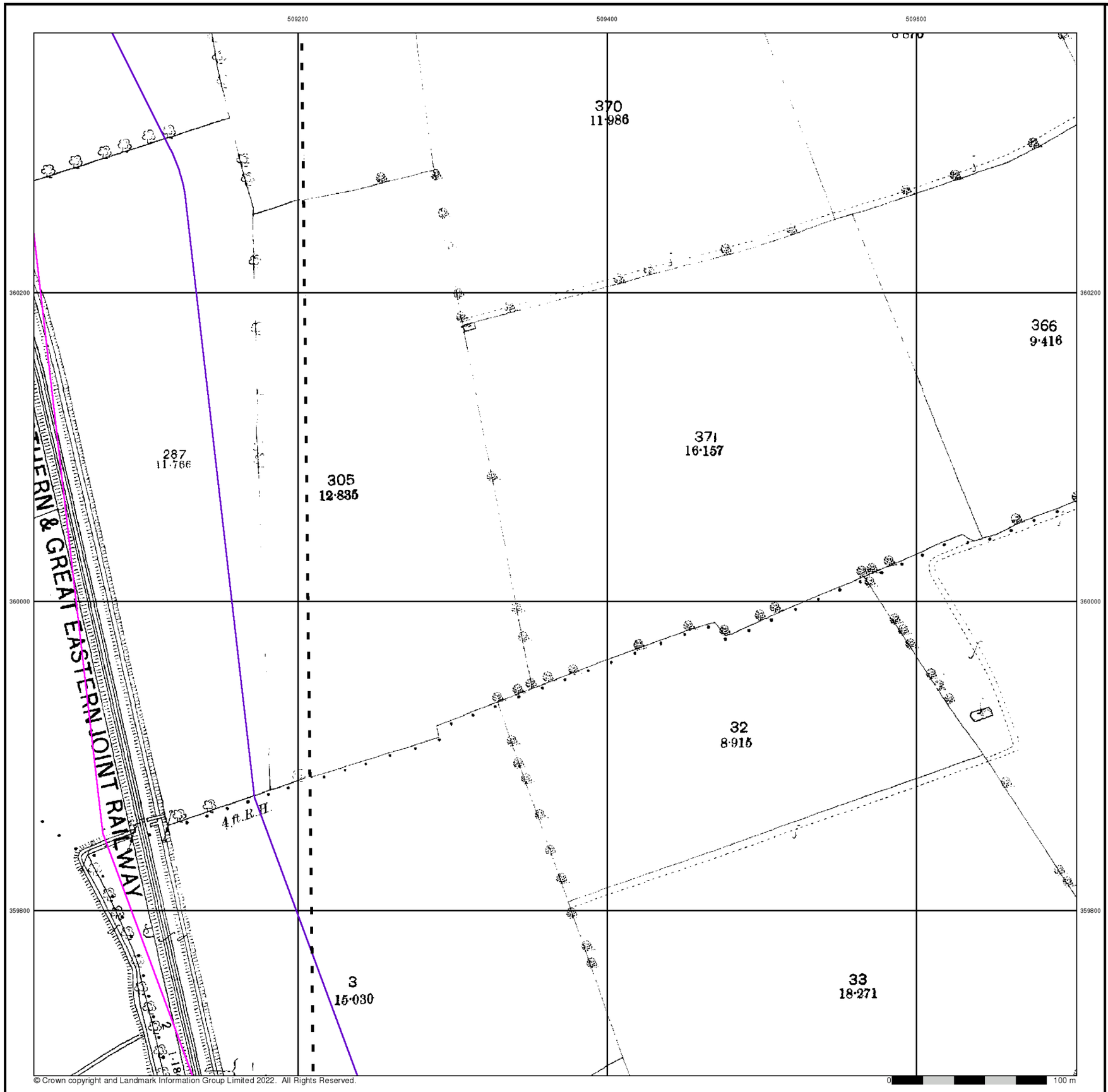


RSK

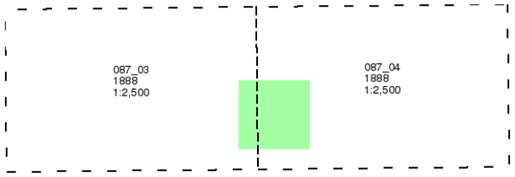
Lincolnshire

Published 1888

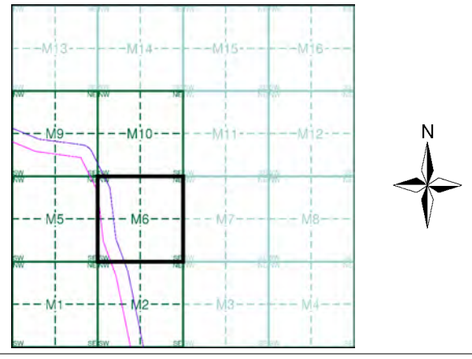
Source map scale - 1:2,500

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 M6



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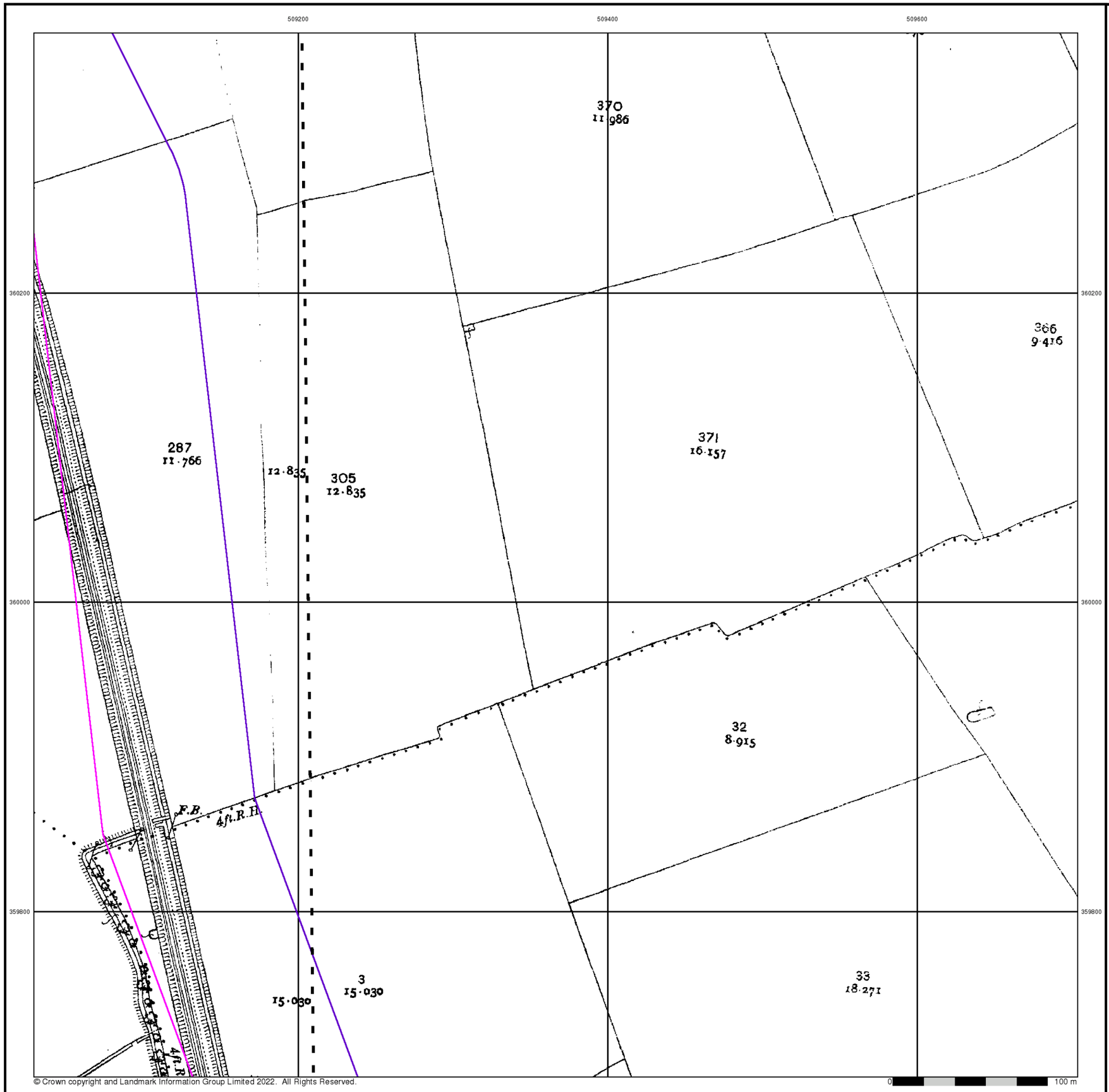

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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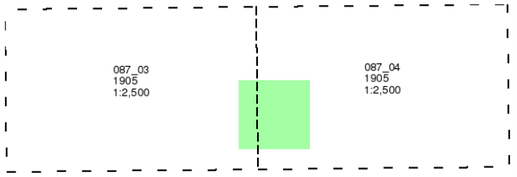
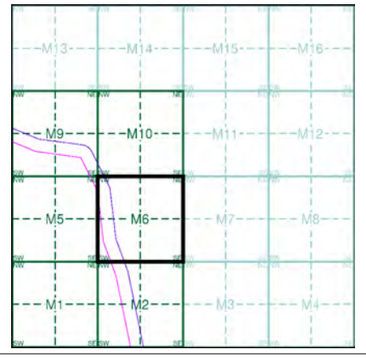


Historical Map - Segment M6



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Ordnance Survey Plan

Published 1973 - 1979

Source map scale - 1:2,500

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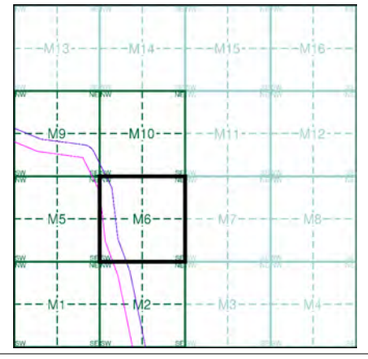
Map Name(s) and Date(s)

TF0960
1973
1:2,500

TF0959
1979
1:2,500

Historical Map - Segment M6



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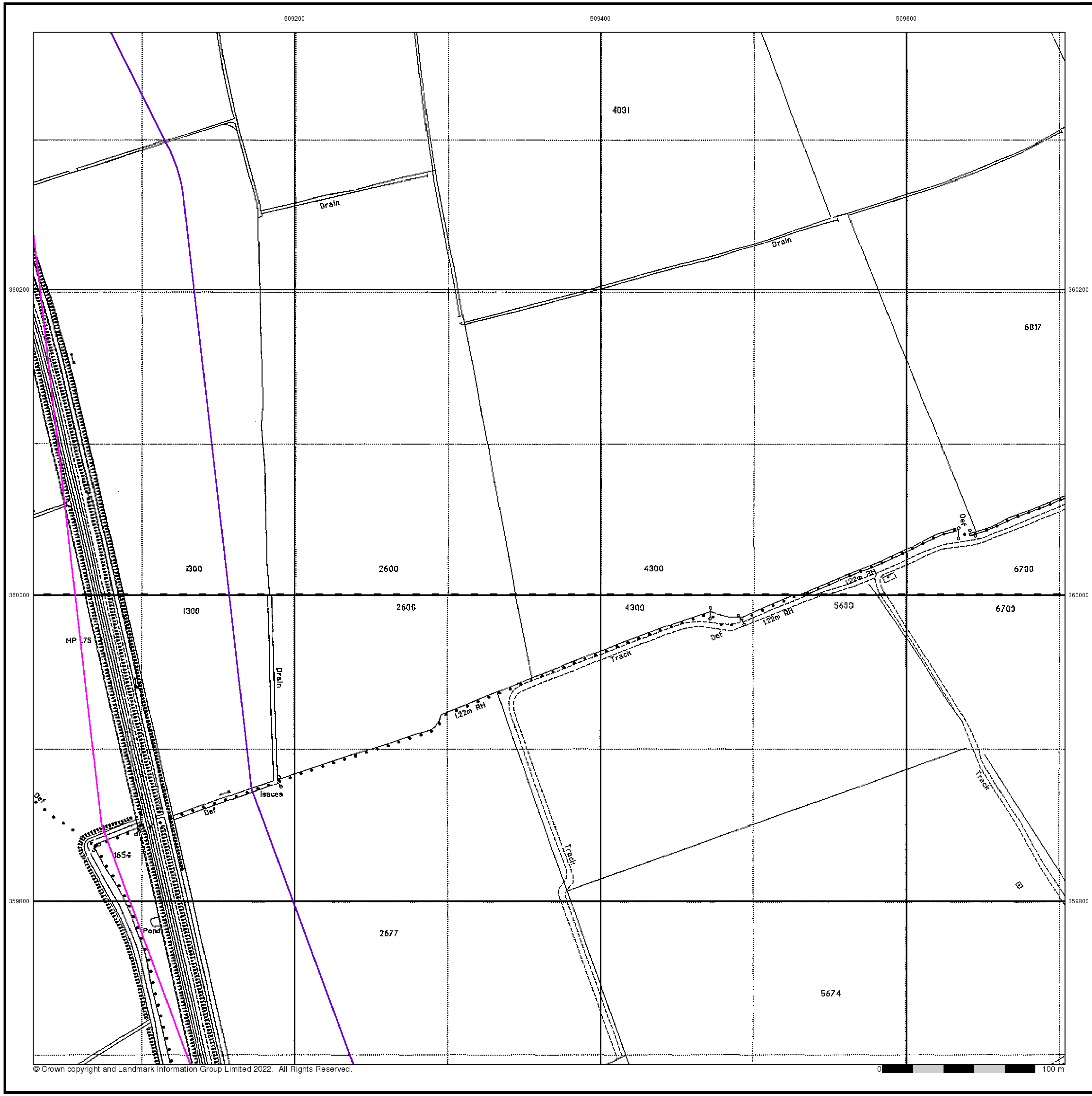

Large-Scale National Grid Data

Published 1994 - 1995

Source map scale - 1:2,500

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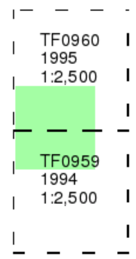
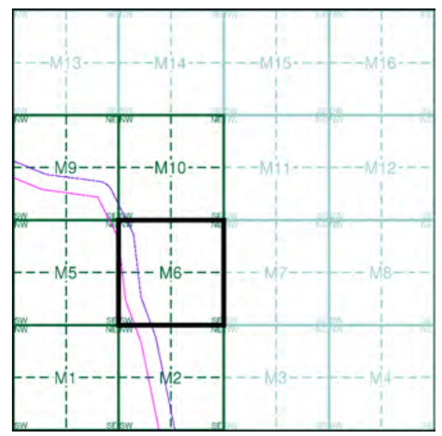


Historical Map - Segment M6



N

Order Details

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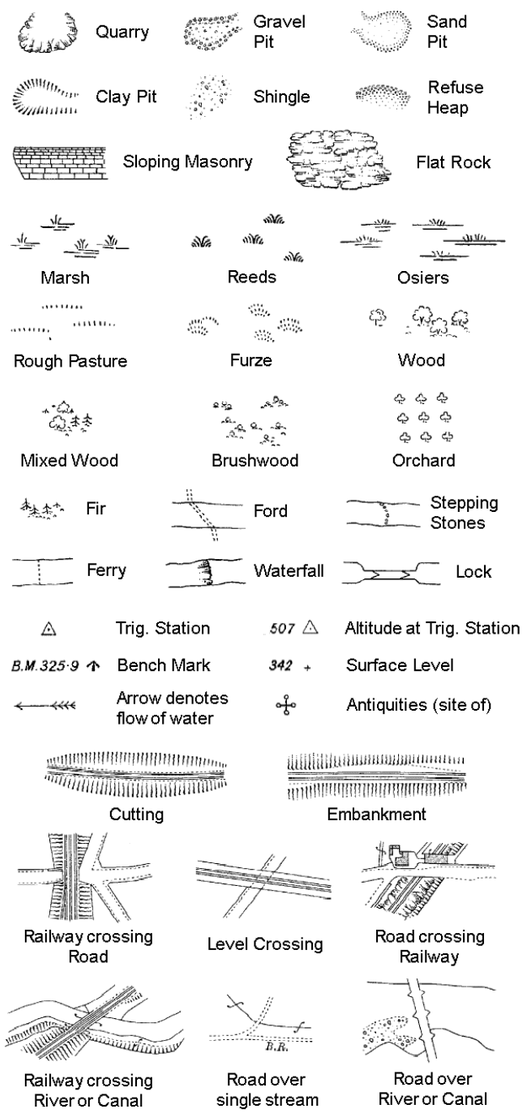
Historical Mapping Legends

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



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Administrative County & Civil Parish Boundary
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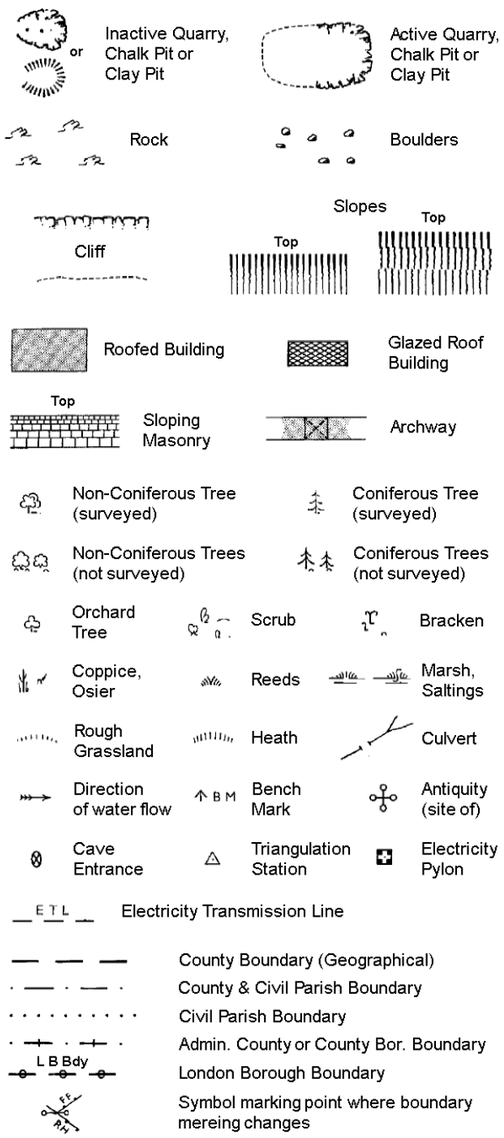
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

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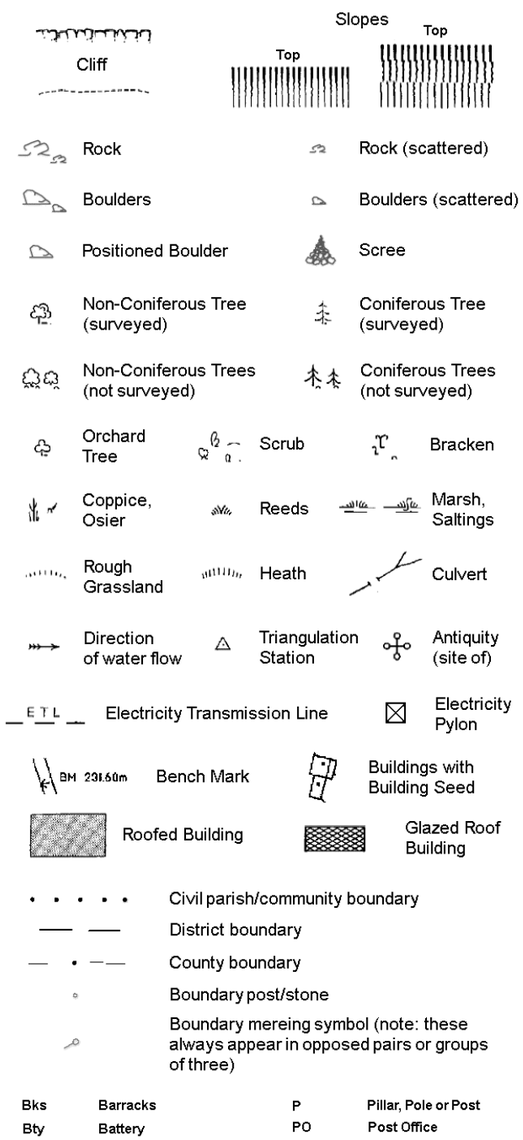
Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

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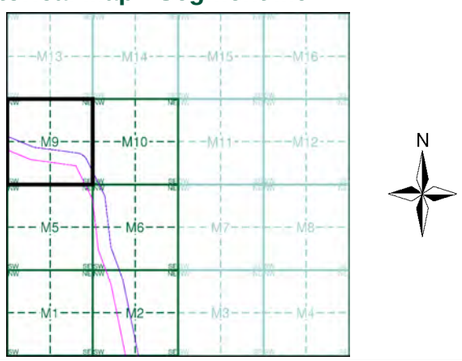
RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1973	4
Large-Scale National Grid Data	1:2,500	1995	5
Large-Scale National Grid Data	1:2,500	1996	6

Historical Map - Segment M9



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
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Slice: M
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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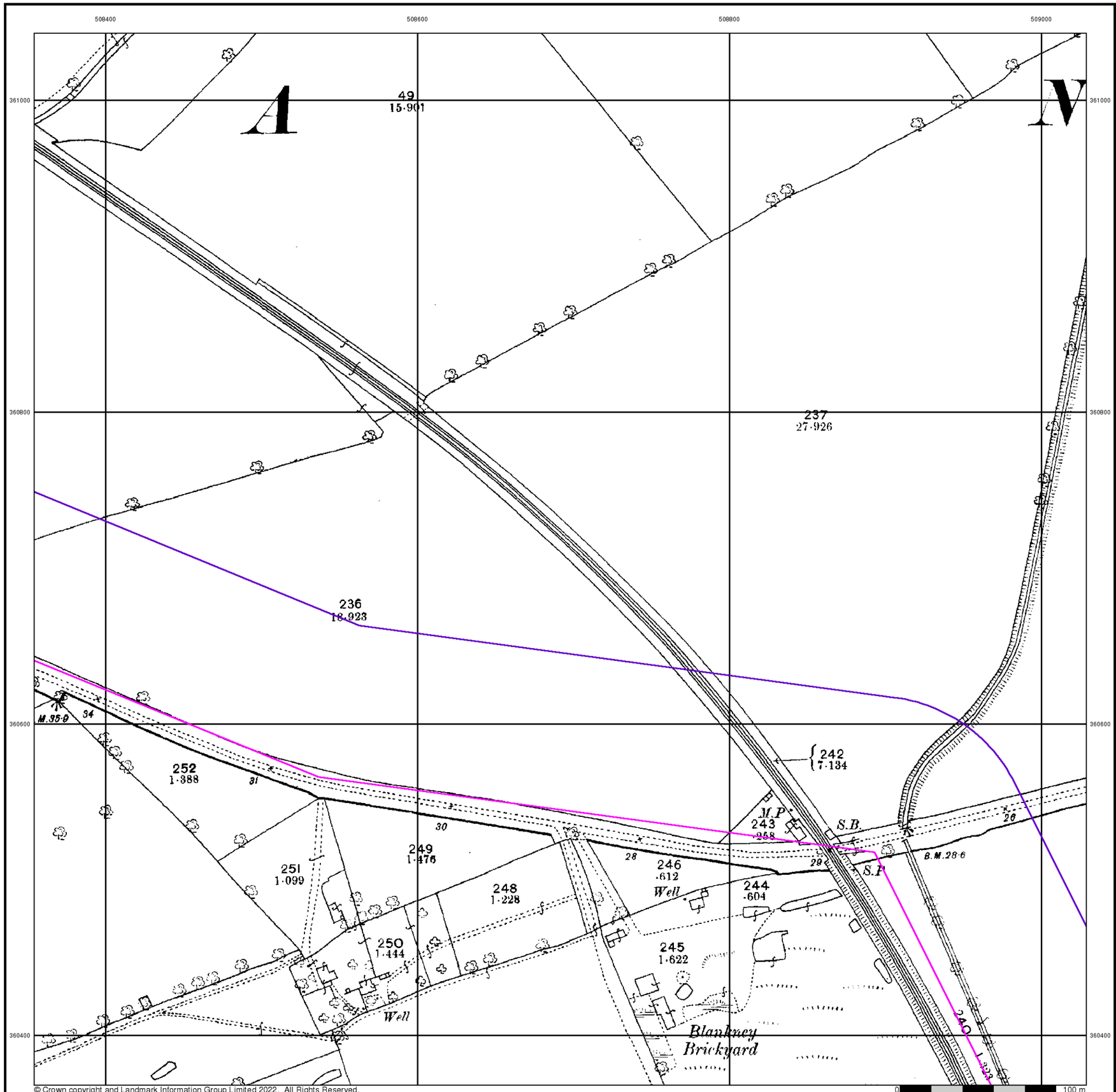

RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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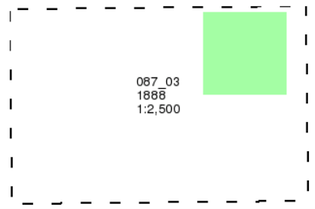
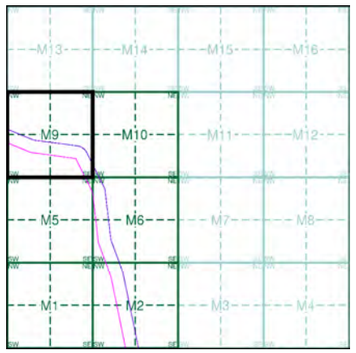


Historical Map - Segment M9



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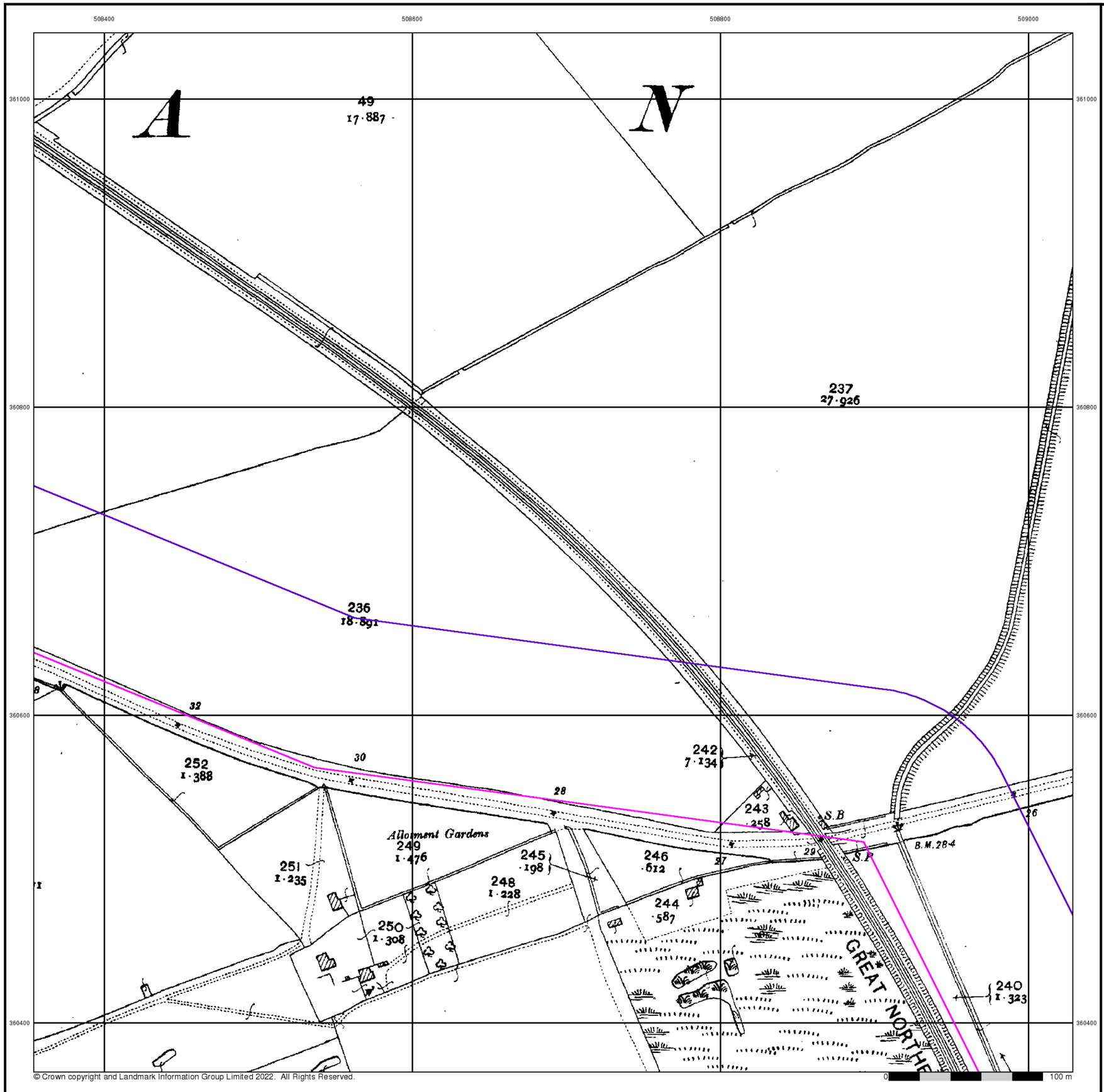

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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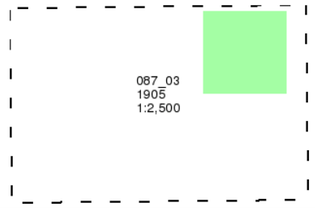
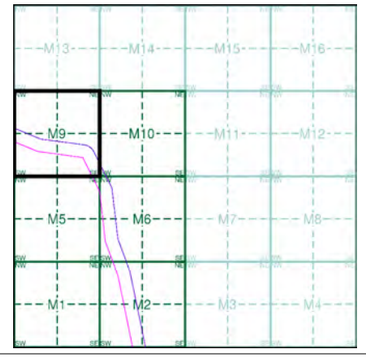


Historical Map - Segment M9



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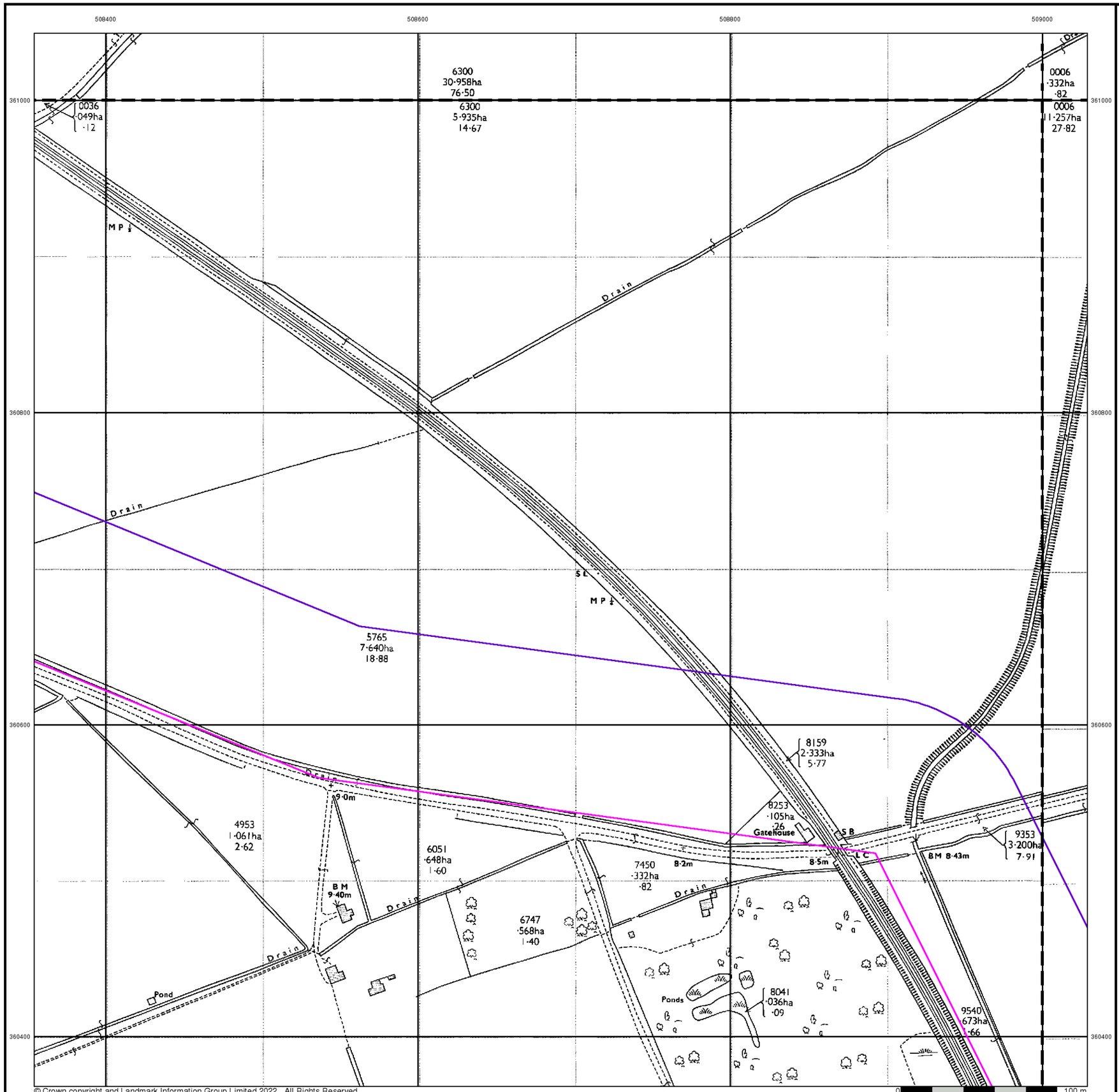

RSK

Ordnance Survey Plan

Published 1973

Source map scale - 1:2,500

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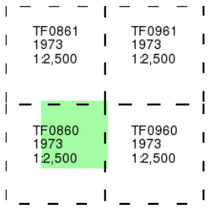
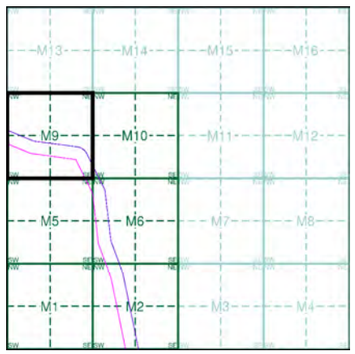


Historical Map - Segment M9



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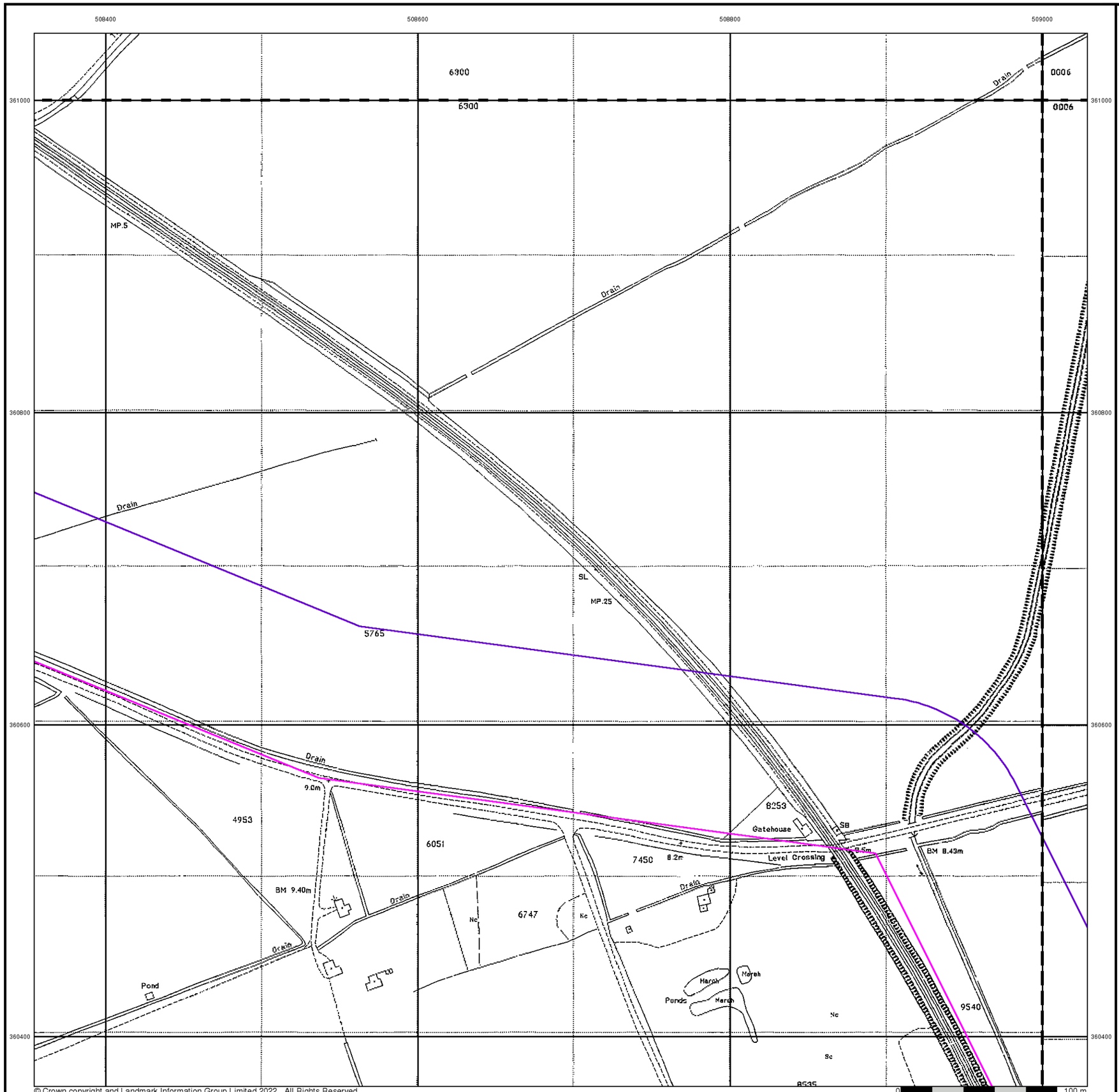


RSK

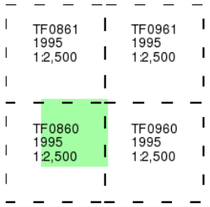
Large-Scale National Grid Data

Published 1995

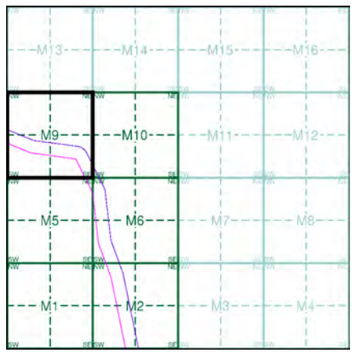
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment M9



Order Details

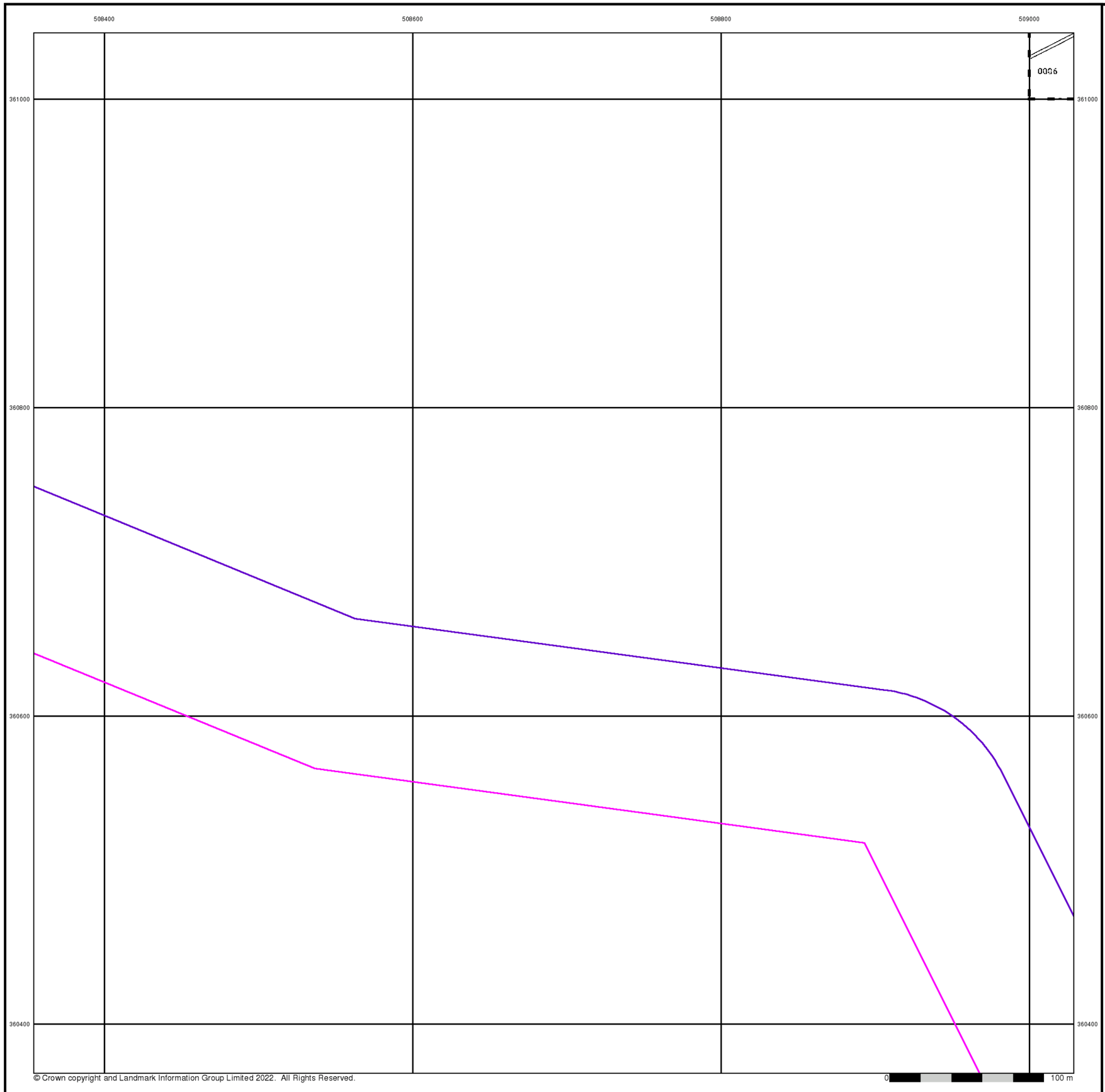
Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP

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



RSK

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.

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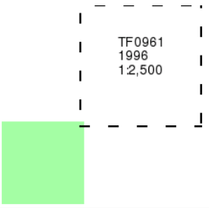
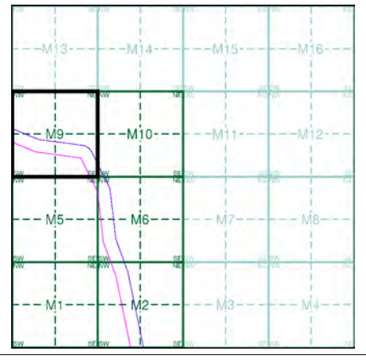


Historical Map - Segment M9



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Slice:	M
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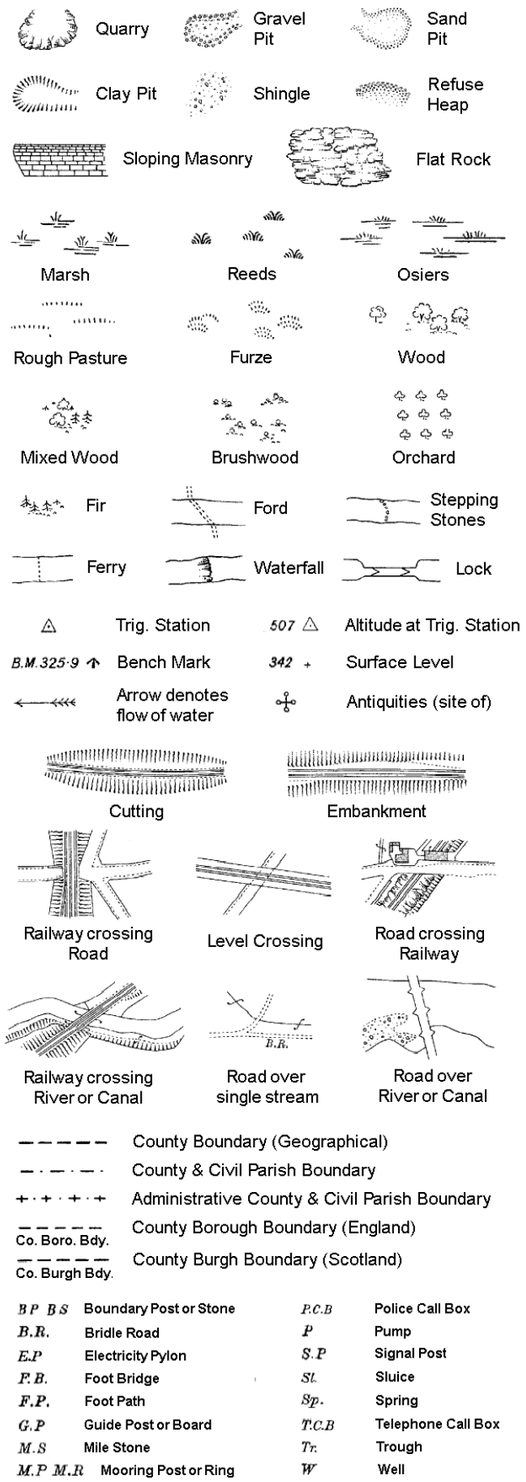
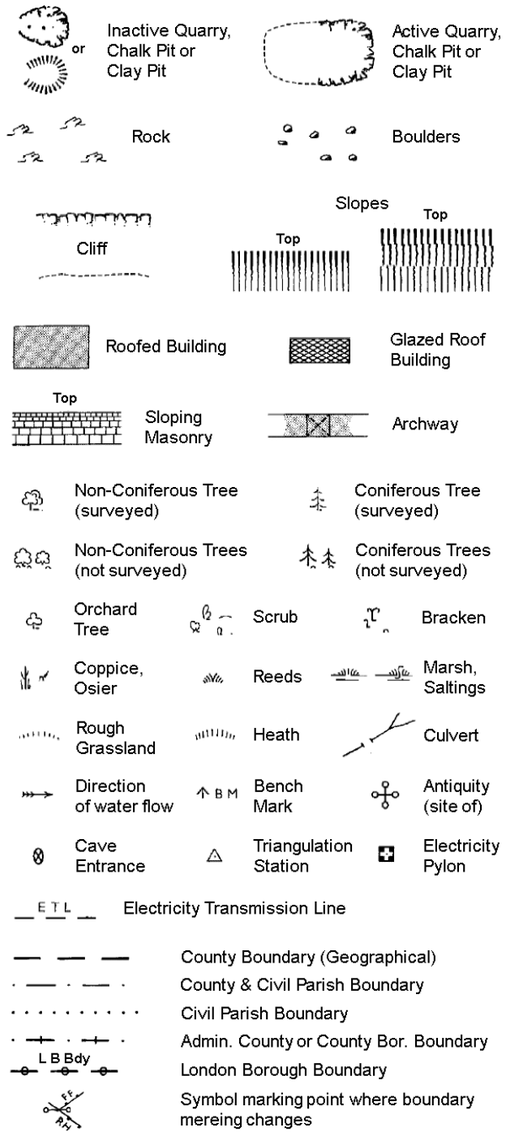
Historical Mapping Legends

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



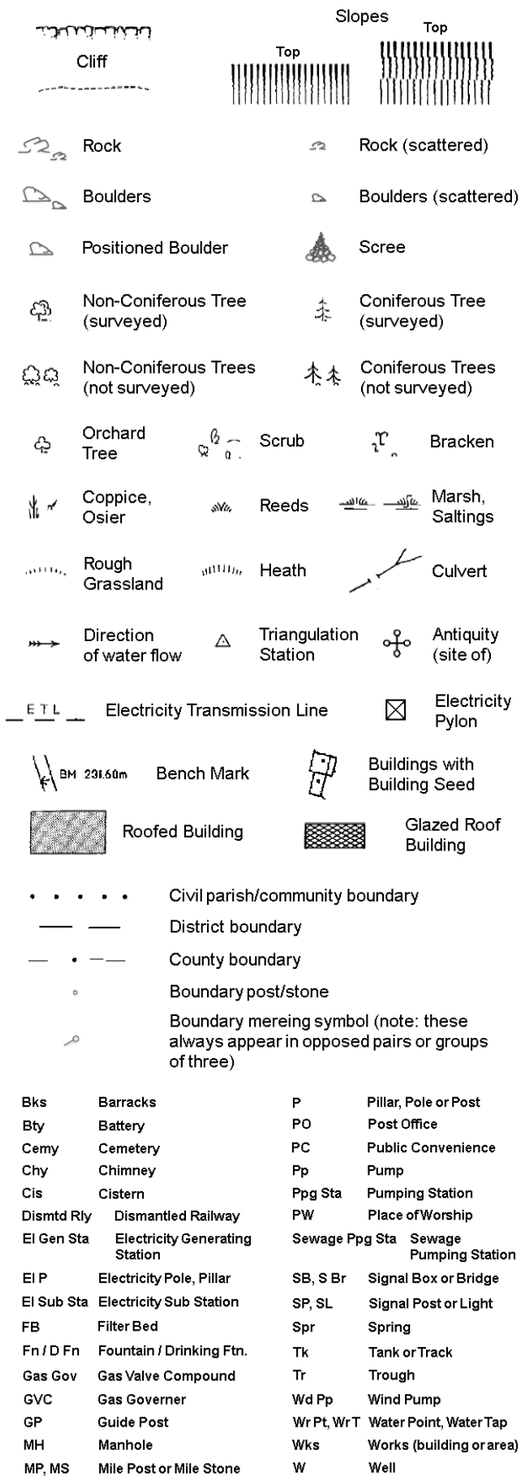
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



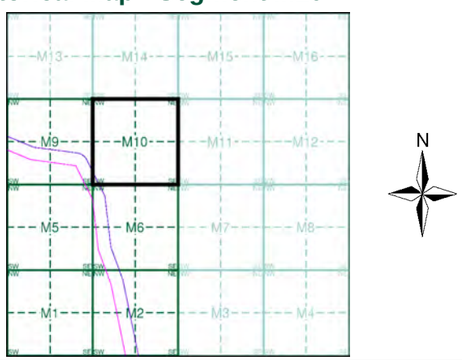
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1973	4
Large-Scale National Grid Data	1:2,500	1995	5
Large-Scale National Grid Data	1:2,500	1996	6

Historical Map - Segment M10



Order Details

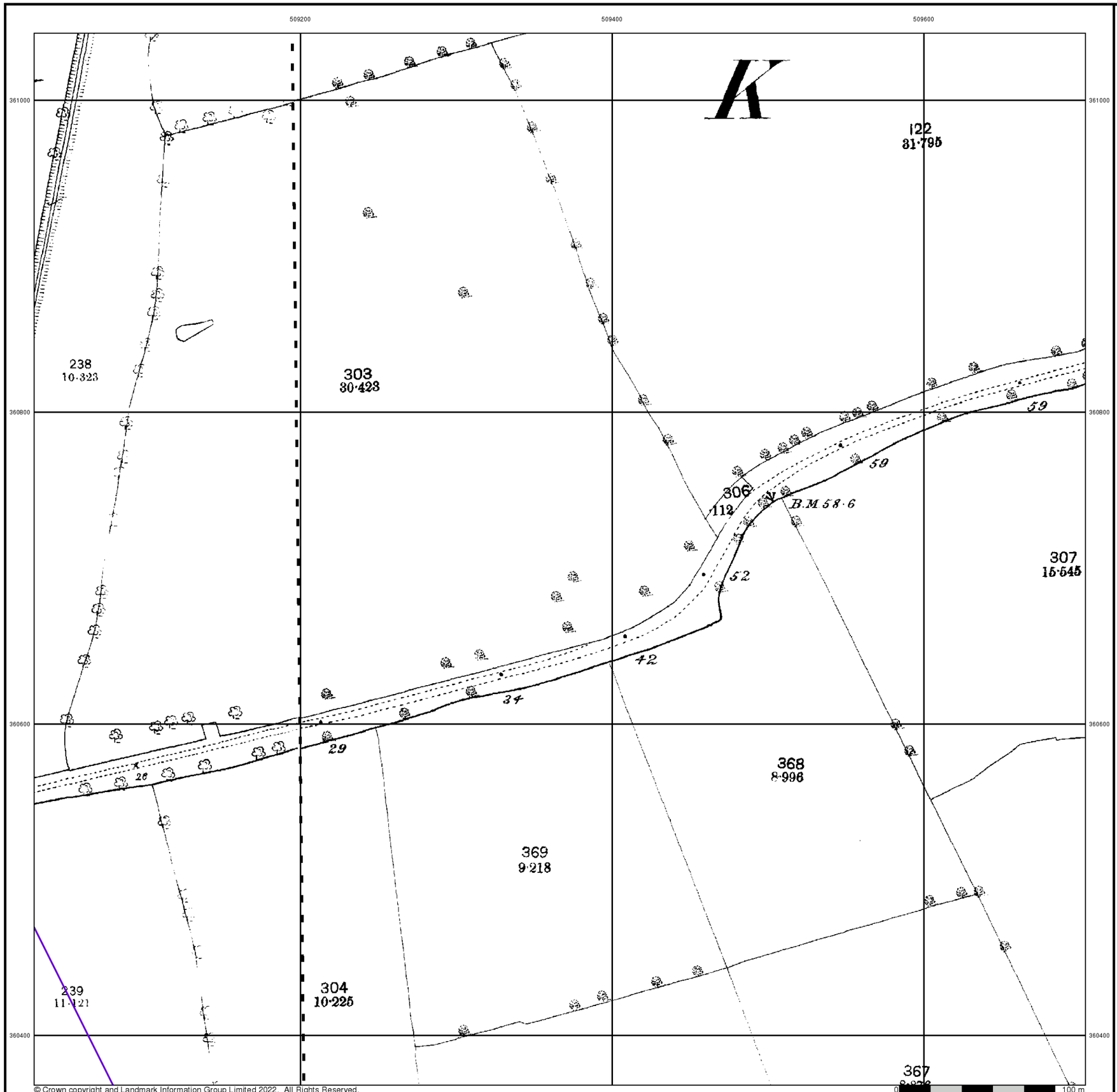
Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP

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



RSK

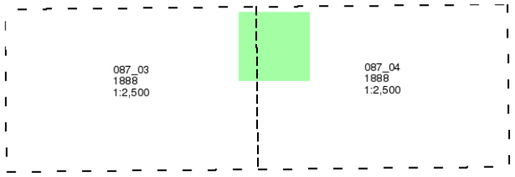
Lincolnshire

Published 1888

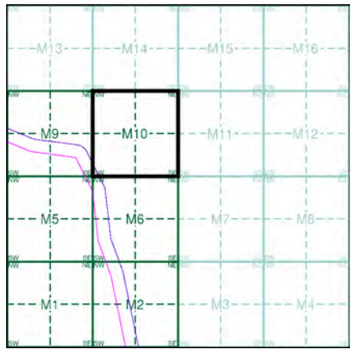
Source map scale - 1:2,500

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 M10



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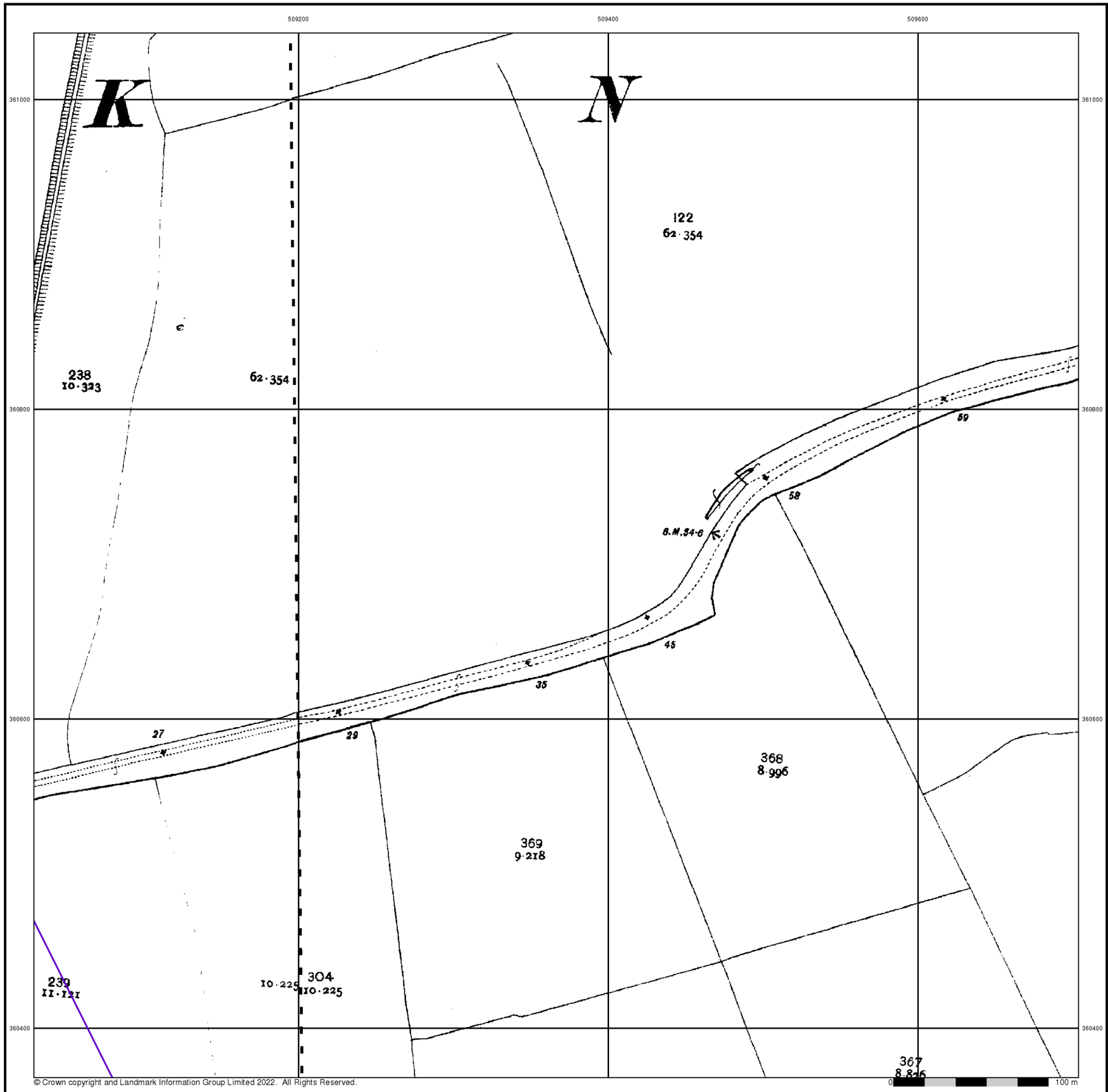

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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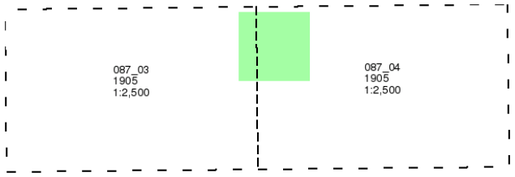
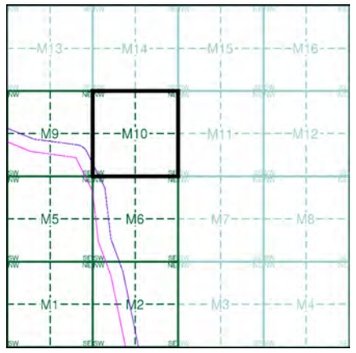


Historical Map - Segment M10



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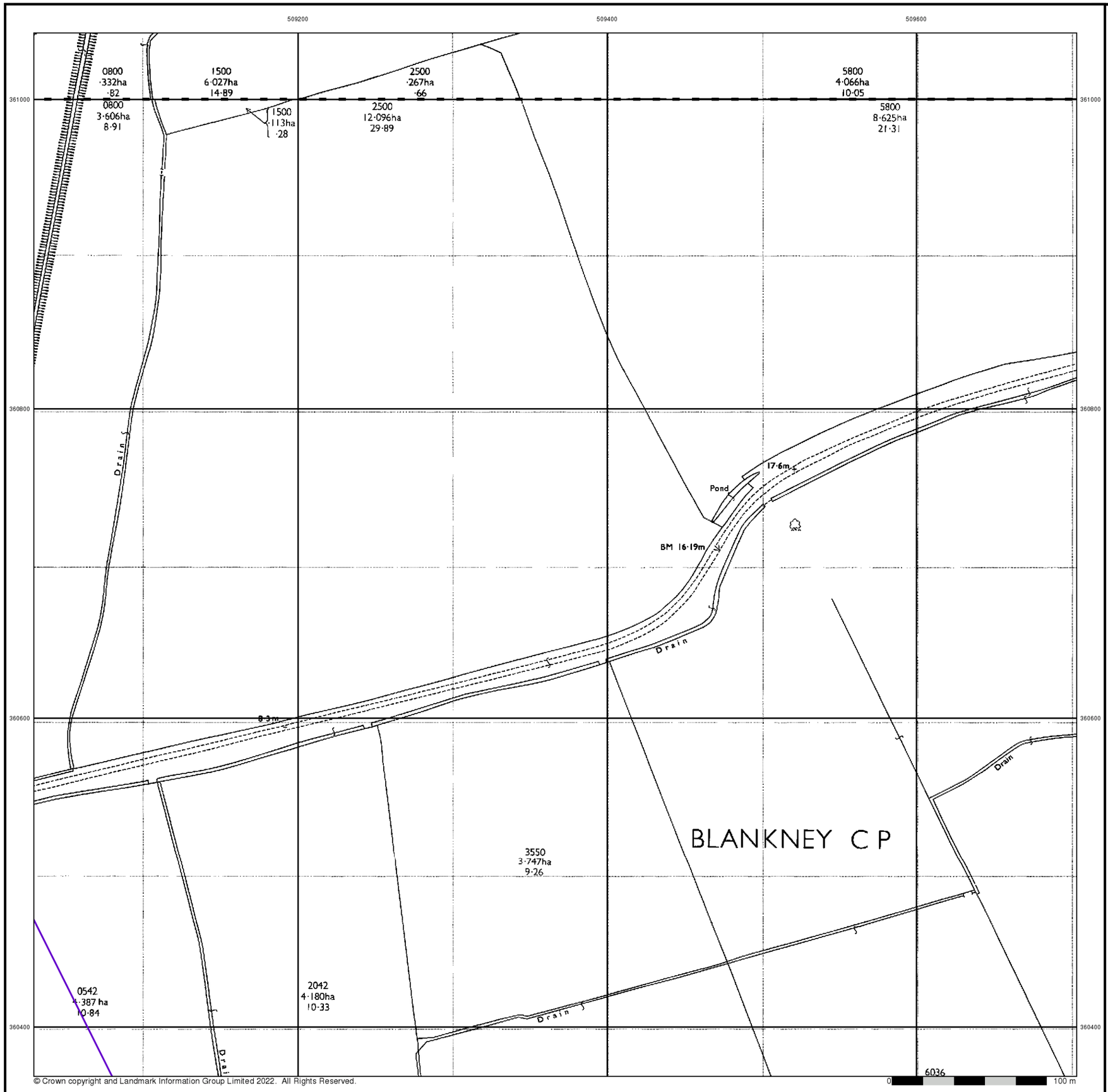

RSK

Ordnance Survey Plan

Published 1973

Source map scale - 1:2,500

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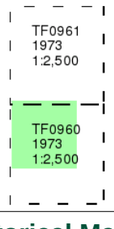
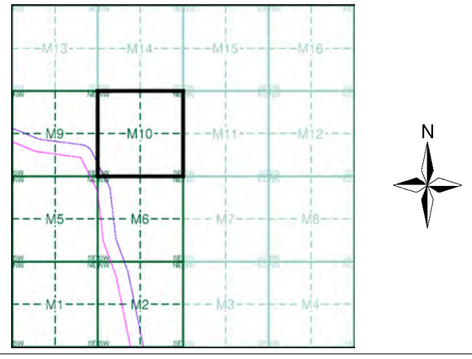


Historical Map - Segment M10



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Slice:	M
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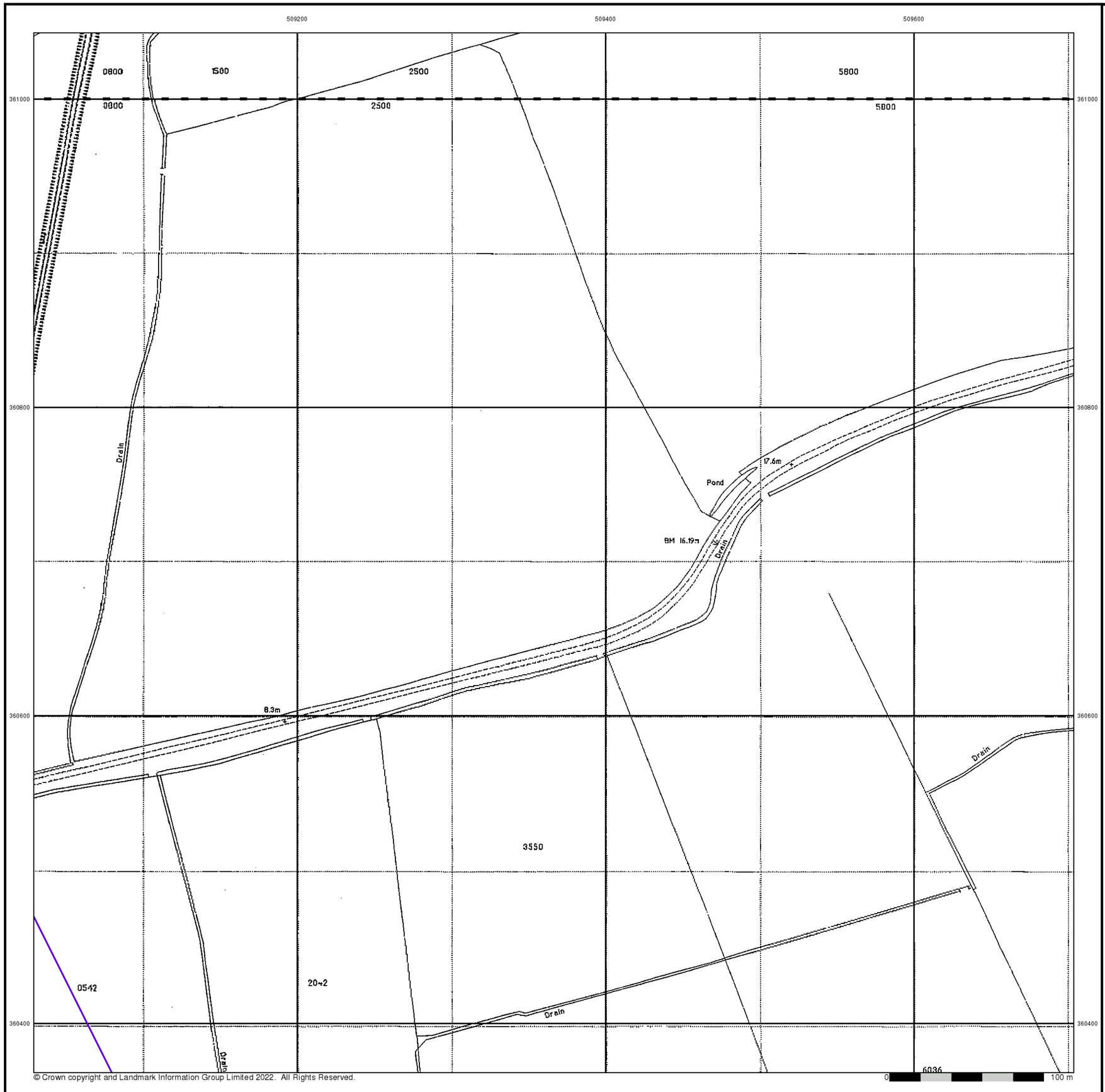

RSK

Large-Scale National Grid Data

Published 1995

Source map scale - 1:2,500

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

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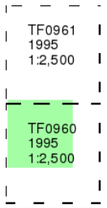
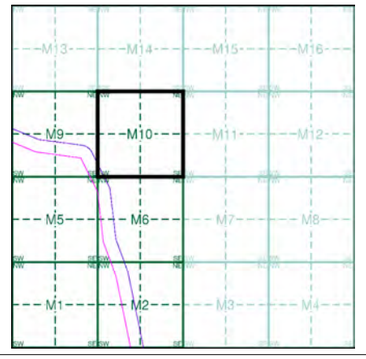


Historical Map - Segment M10



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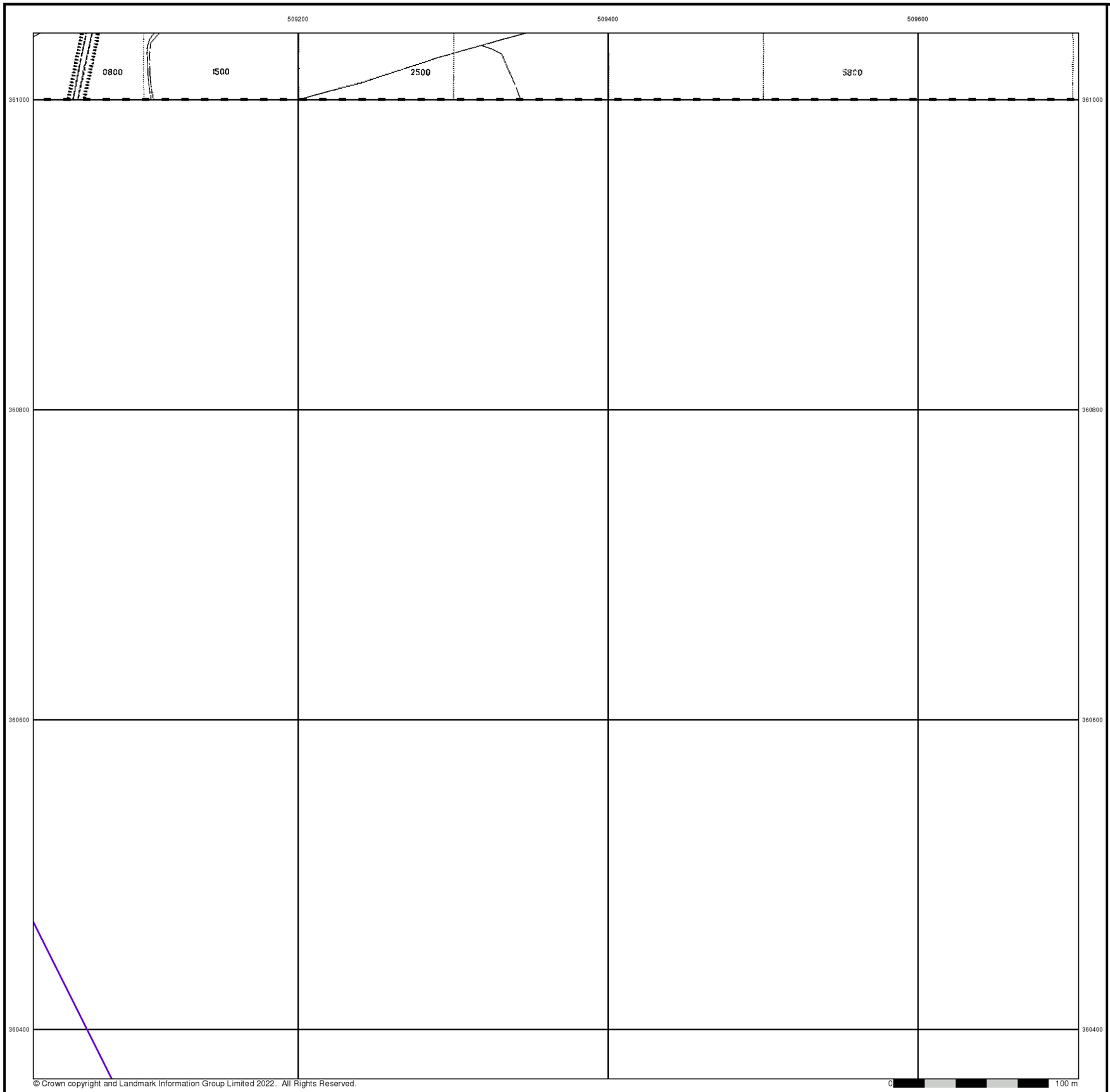

Large-Scale National Grid Data

Published 1996

Source map scale - 1:2,500

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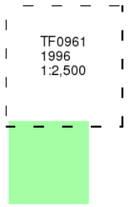
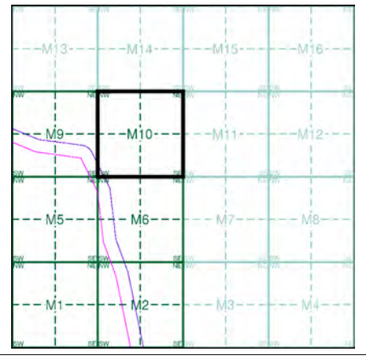


Historical Map - Segment M10



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APPENDIX E1 BGS BOREHOLE LOGS – ZONE B

RECORD OF WELL

For Institute use only Licence No. N.153.28.

127/218 C

(727)

TF 05 SE 30

At ...MOORE...FARM.....
.....BLAXHOLM.....
Town or Village NR. SLEAFORD.....
County .....LINCS.....

EXACT SITE OF WELL

Six-inch National Grid sheet and reference .....TF.05SE (TF.0635.5311) more likely .....
For WRIGHT...RAIN.....
State whether owner, tenant, builder, contractor, consultant, etc.: CONTRACTOR (TF0695 5219) .....
Address (if different from above) [redacted] .....
[redacted] .....

Level of ground surface above sea level (O.D.) ..... ft (.....m)

*DELETE AS NECESSARY

If well top is not at ground level state how far ~~above~~:* ~~below~~: .....1.0.....ft (.....0.32..... m)
SHAFT.....—.....ft (.....—.....m); diameter.....—.....ft (.....—.....m);
HEADINGS (please attach details—dimensions and directions)
BORE...180.40...ft (.....55.00...m); diameter: at top.....12".....in (.....305.....mm);
at bottom.....8".....in (.....227.....mm)
Full details of permanent lining tubes (position, length, inner and outer diameters, plain slotted etc.):
0-29.85M.....30.17M.....9"I.D.; 9⅝"O.D.....PLASTIC PLAIN CASING.....
.....
.....
.....

TEST CONDITIONS

Water struck at depths of .....98.73.....ft (.....30.10.....m) below well top
Rest level of water...0.98...ft (.....0.30...m) ~~above~~* ~~below~~ well top. Suction at.....NOT KNOWN.....ft (.....m)
Yield on...48.....~~hours~~* ~~days~~* test pumping at.10,000...galls per .HOUR.... (.12.65.... l/s) with depression to....0.75...ft (...0.23...m) below well top. Recovery to rest level in ..... mins* hours
Capacity of pump.....NOT KNOWN - AIR LIFT PUMPING.....g.p.h. (.....l/s)
Date of measurements..27/4/82.....

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:
Make and/or type ..... Motive power.....
Capacity.....galls (.....m³) per hour. Suction at ..... ft (.....m)
below well top. Amount pumped.....galls (.....m³) per day. Estimated consumption .....galls (.....m³) per week
Well made by .AMCO DRILLING...LTD..... Date of sinking.20/4/82.....
ADDITIONAL NOTES ANALYSIS (please attach copy if available)

LOG OF STRATA

Received from .....
.....
.....
Date.....
Observation well.....
Recorder.....
FB log.....

British Geological Survey

Version 2.0.6.6

BGS ID: 469211 : BGS Reference: TF05SW5
British National Grid (27700) : 504370,352470
[redacted]

(MANOR HOUSE)

BRAUNCE WELL

TF 047525.

TOP 2M

TF 05SW/5

LOWER ESTUARINE — LINCOLNSHIRE LIMESTONE — METRES BELOW GROUND LEVEL

Depth (m)	Recovery	Box	Lithology	Colour	Description
26.73	REC APPROX 2.7m	Box 2	LIMESTONE	GREY	BEC LIGHTER, MOD HARD, V OOLITIC, MOD CMTD PINKISH-BROWN LAYERED IN PART (8 CM BAND)
				GREY	MOD HARD, FREQ a/a BUT SL LOOSER
				YELLOW-BROWN	FAIRLY HARD, OOLIC, ARGILLACEOUS ORANGE-BROWN IN PART.
				GREY	AS GREY LST ABOVE
				YELLOW-BROWN	PINKISH, FREQ AS BROWN ABOVE BUT OBVIOUS MEGAPOROUS, BEC ARGIL IRON-RICH IN PT.
30.26	REC APPROX 3m	Box 3	LIMESTONE	LT GREY	BROWN AT TOP; HARD, WELL-CEMENTED, GRANULAR, XLN CALCITE, SCATTERED DARK GREY OOLITHS, ARGIL IRON STN AT BASE, RED-BROWN, SL OOLIC LST.
				GREY	OOLITIC, HARD, MOD CMTD, GRANULR, SL FOS, OCC THIN ARGIL LAMINAE
				LT-MED GREY	HARD, ABUNDANTLY OOLIC, FREQ XLN CALCITE VNS, FOSSILIF, OOLITHS FINE GRAINED
				DKR GREY	V FRIABLE, V SILTY, FRAGS LT GREY LST, GRDG MICACEOUS SL OOLIC LST.
				GREY	CMTD LST, SL ARGIL, LT GREY SCATT OOLITHS, FREQ SMALL CREAM FRAGS SHELL FOSSILS, HARDER.
33.50	REC APPROX 1m; CORE LOST POST ...	Box 4	LIMESTONE	MED GREY	MOD HARD, GRANULAR - SL XLN, SILTY.
			SHALE	GREY-BLACK	FIRM, FISSILE, MUDSTONE, NON CALCAREOUS, OCC BANDS THIN GREY LST + PALE GREEN SLTST.
			SHALE	DK GREY	FIRM, MOD FISSILE, SANDY, SMALL LST LENSES
			SILTSTONE	GRN-BRN	FIRM - MOD HARD, V MICAC, SL CALC, I/BDD GREY CLAY & OCC SMALL LT GREY LST LENSES.
36.22					

Left margin depths (m): 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36

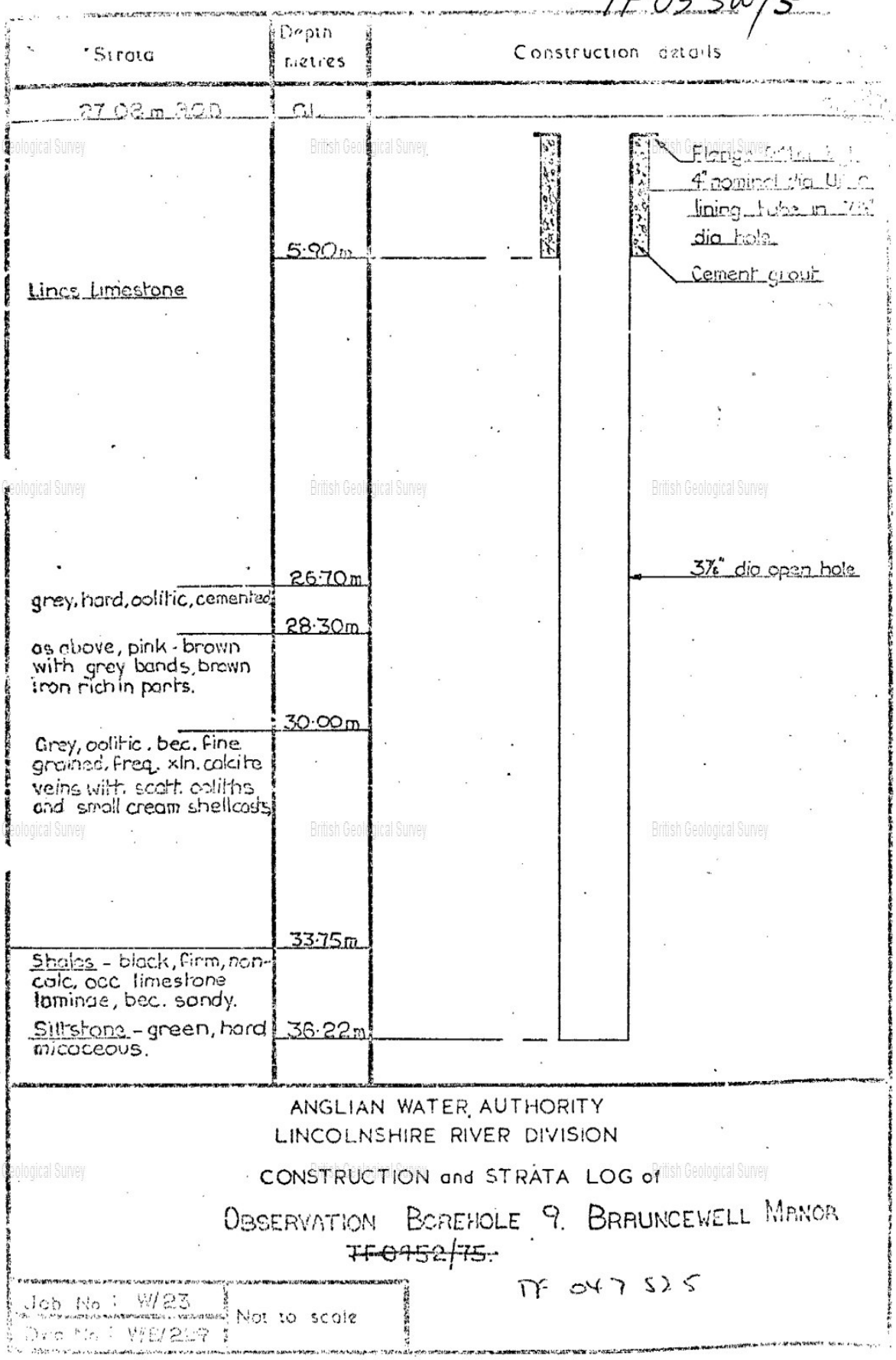
Right margin depths (ft): 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28

British Geological Survey

Version 2.0.6.6

BGS ID: 469211 : BGS Reference: TF05SW5
British National Grid (27700) : 504370,352470
[redacted]

TF05SW/5



ANGLIAN WATER AUTHORITY
LINCOLNSHIRE RIVER DIVISION

CONSTRUCTION and STRATA LOG of

OBSERVATION BOREHOLE 9. BRAUNCEWELL MANOR

~~TF 0452/75.~~

TF 04 52 5

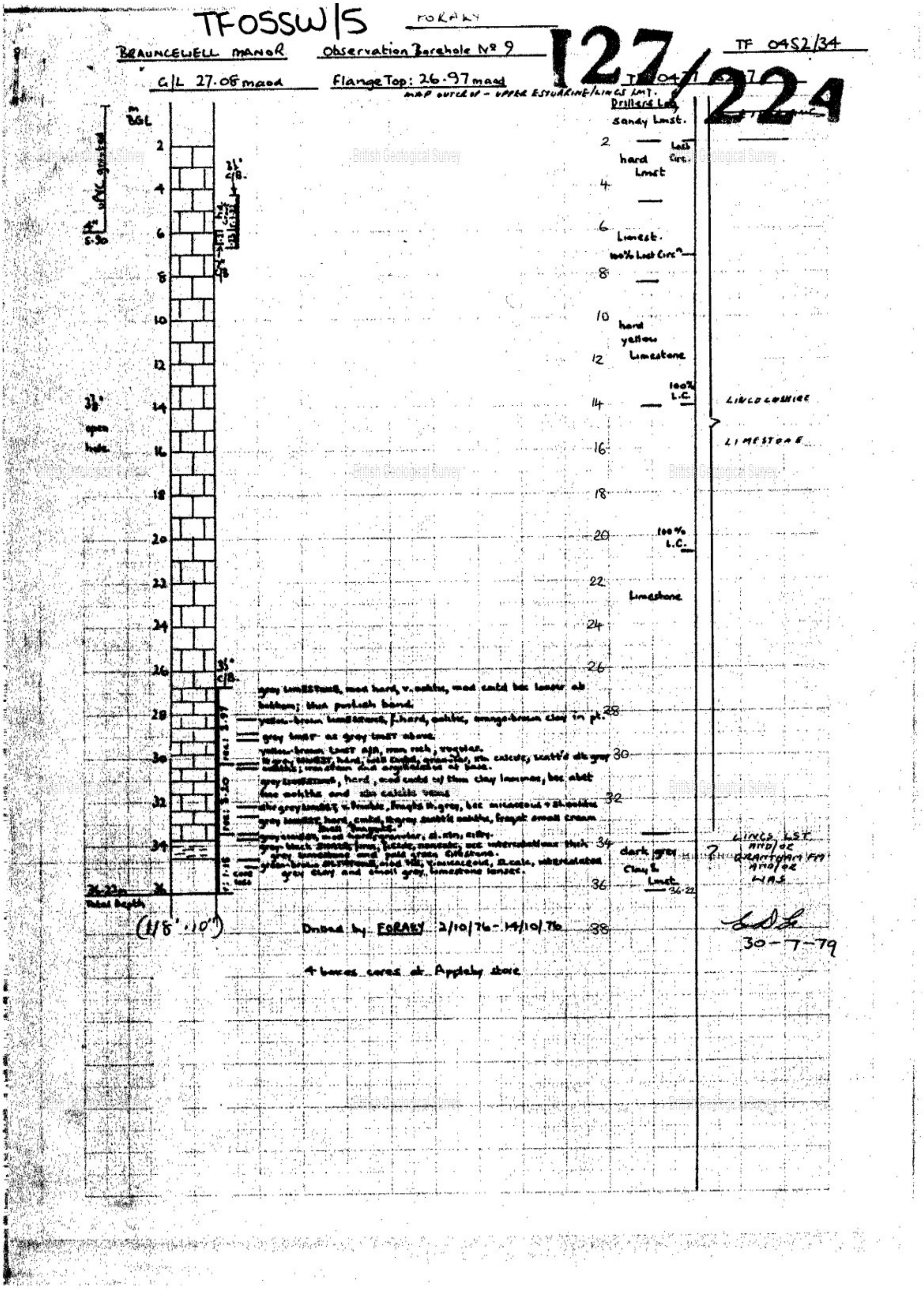
Job No : W/23
Dwg No : WE/257

Not to scale

British Geological Survey

Version 2.0.6.6

BGS ID: 469211 : BGS Reference: TF05SW5
British National Grid (27700) : 504370,352470
[redacted]

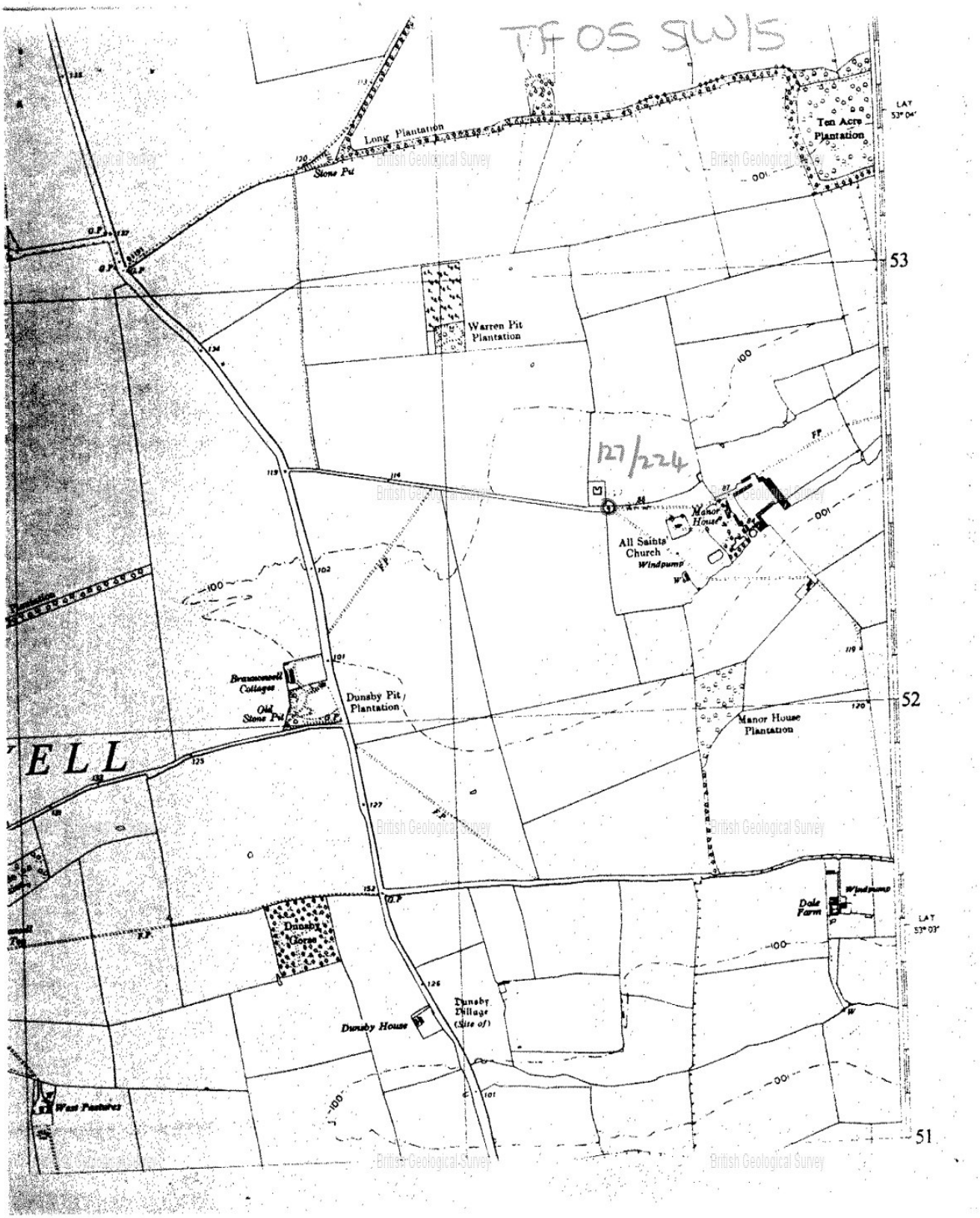

TF05SW/5
FORAKY
BRAUNCEWELL MANOR
Observation Borehole Nº 9
127/224
TF 0452/34
G/L 27.08 maod
Flange Top: 26.97 maod
MAP OUTCROP - UPPER ESTUARINE/LINCS LMT.
Drillers Log
m BGL
Sandy Lmst.
hard Lmst
Limest.
100% Lost Circ.
hard yellow Limestone
100% L.C.
LINCOLNSHIRE LIMESTONE
100% L.C.
Limestone
dark grey Clay & Lmst.
36.22
LINCS LST. AND/OR GRANTHAM FM AND/OR WAS
36.23m Total Depth
(118'.10")
Drilled by FORAKY 2/10/76 - 14/10/76
4 boxes cores at Appleby store
30-7-79

British Geological Survey

Version 2.0.6.6

BGS ID: 469211 : BGS Reference: TF05SW5
British National Grid (27700) : 504370,352470

[redacted]



APPENDIX E2 BGS BOREHOLE LOGS – ZONE D

RECORD OF WELL (SHAFT OR BORE)

TF05NE/6

At Ashby Hall

Town or Village

County Lincs Six-inch quarter sheet 87 SW (E)

For Mr. [redacted]

Exact site of well See tracing on 114 79 (Attach a tracing from a map, or a sketch-map, if possible.)

Level of ground surface above sea-level (O.D.) c 110 feet.

Is well-top at ground level? If not, state how far above / below; feet.

Shaft ft., diameter ft. Details of headings

Bore ft.; diameter of bore: at top 6 ins.; at bottom ins.

Lengths, diameters, perforations, etc., of lining tubes

Water struck at depths, below well-top, of (feet)

TEST DETAILS — Month / Year

Rest-level of water 32 ft. above / below well-top. Suction at ft. Yield on hours' / days'

pumping gallons per (max. capacity of pump g.p.h.),

with depression of feet. Recovery to in mins. / hours.

WORKING CONDITIONS

Rest-level of water in (month), (year), ft. above / below well-top.

Highest " in (month), (year), ft. above / below "

Lowest " in (month), (year), ft. above / below "

Suction at ft. Rate of pumping galls. per for hours per day.

with average depression of ft. Recovery to in mins. / hours

Quality of water (*attach copy of analysis if available*)

Well made by J. T. BARNES & SON, Date of well

Information from SLEAFORD - do

ADDITIONAL NOTES.

Visited. 4.7.51.

Ashby Hall empty. Was requisitioned by R.A.F during war.

OD. c110.

RM

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.
		114		O	O

(17208) Wt.42901/0877 10,000 2/41 A.& E.W.Ltd. Gp.656

N.N. 114/209

114/209 TF05/50

TF 0155/70

TF 0178 5502

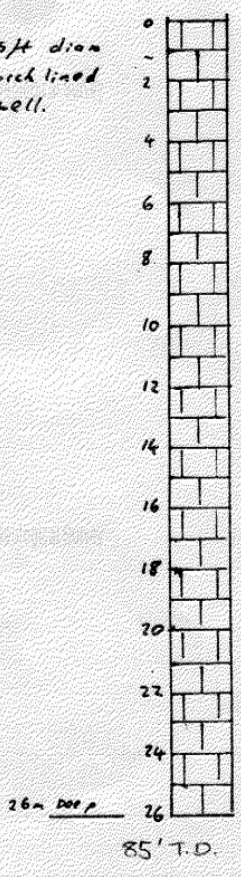
TF 05 NW

THOMPSON'S BOTTOM.

Datum 54.64 M.A.O.D G.L 54.51 M.A.O.D.

Exposure: Lincolnshire Limestone.

CLASSIFICATION



5ft diam brick lined well.

26m Deep

85' T.D.

LINCOLNSHIRE

LIMESTONE. ✓

PER SDG 2-10-81

(Gauge logged by Anglian Water Authority Lincolnshire River Division c 1973.)

Approximate water level. 1973 - 1980 82' W.L.

Disused well & wind pump. Used originally for domestic/agricultural.

Date of excavation & excavator unknown

still Licensed. 4/30/9/6/28.

British Geological Survey

Version 2.0.6.6

BGS ID: 469214 : BGS Reference: TF05SW8
British National Grid (27700) : 501620,353930
[redacted]

TF 05SW/8 127 216 TF05SW8

ASHBY LL 15
G/L = 48.34 m.a.o.d.

TF 0153/79
TF 0162 5593

GEOLOGICAL CLASSIFICATION

EXPOSURE: LINCOLNSHIRE LIMESTONE

0
2
4
6
8
10
12
14
16
18
20
22

4" open hole infilled

Base 23.3

76 ft

massive cementstone

friable oolites

Hard partially cemented oolite with laminated marls at base

hard muddy limestone

massive cementstone with laminated marl bands

hard partially cemented oolites

friable oolites with marl band at base

Hard muddy limestone often fossiliferous

LINCOLNSHIRE LIMESTONE

Lincolnshire Limestone

MIDDLE JURASSIC

Drilled 12-15/11/1977 for I.G.S.
By Soil Mechanics
cored throughout. Cores stored.

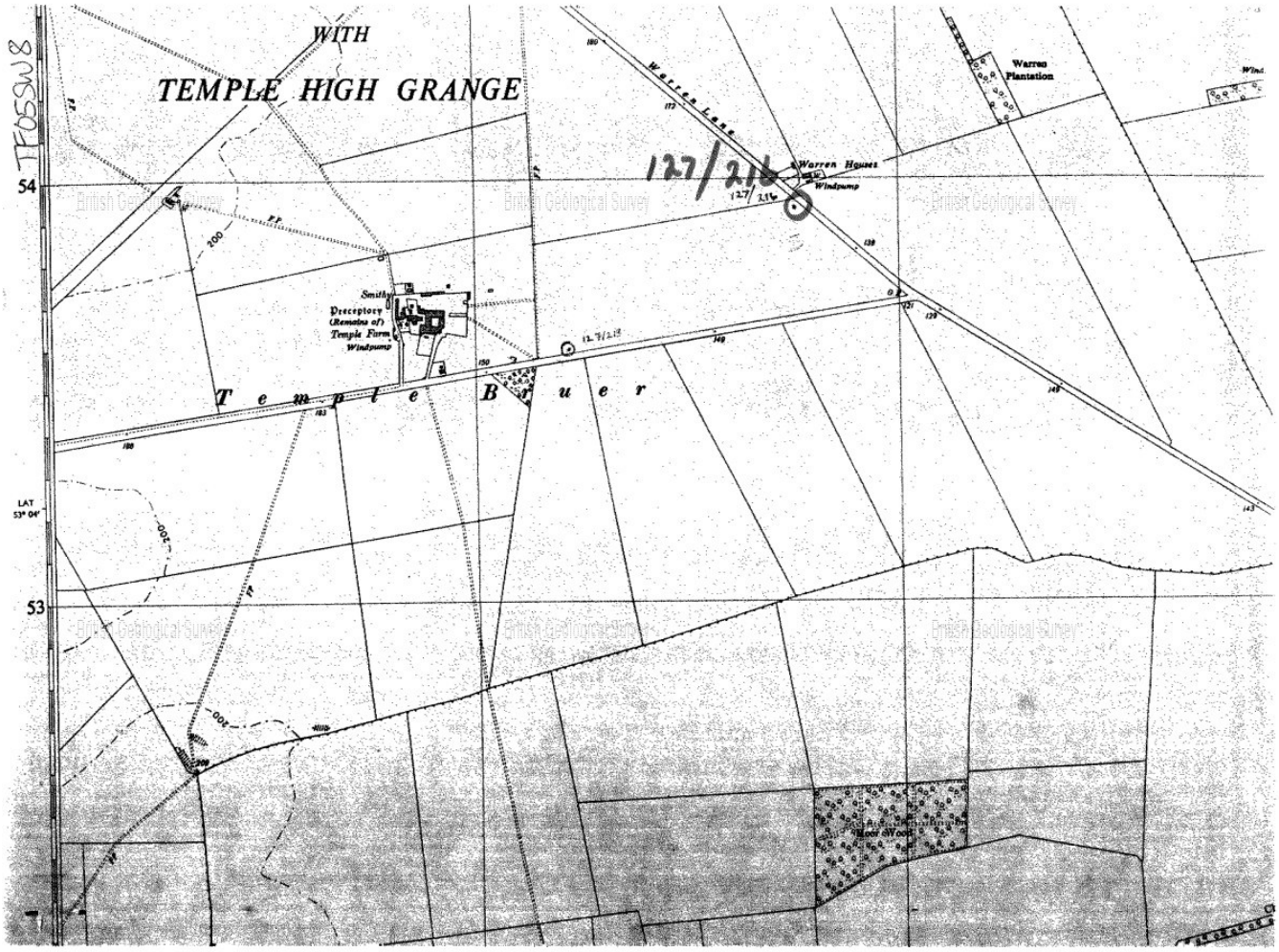
Information on fracture indexes, porosity, rock chemistry, moisture content Inv 430.
More detailed log C.R.D. Borehole Master file.

British Geological Survey

Version 2.0.6.6

BGS ID: 469214 : BGS Reference: TF05SW8
British National Grid (27700) : 501620,353930

[redacted]



British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169

Report an issue with this borehole

TF05NW | 17

RECORD OF WELL

For Institute use only Licence No.

TF 05/52 N.....

114/174

TF05NW17

EXACT SITE OF WELL

At c 2·8 W of village

.....

Town or Village Ashby de la Launde

County Lincs

Six-inch County Sheet .....

Six-inch National Grid sheet and reference TF 0240 5517 TF05 NW

For IGS Hydro Dept (BNPR No LL10)

State whether owner, tenant, builder, contractor, consultant, etc.:— .....

Address (if different from above) .....

.....

Level of ground surface above sea level (O.D.) ..... ft (49·11 m)

*DELETE AS NECESSARY

If well top is not at ground level, state how far above:* below: .....ft (..... m)

SHAFT.....ft (.....m); diameter.....ft (.....m);

HEADINGS (please attach details—dimensions and directions)

BORE.....ft (28·2 m); diameter: at top 4·5 in (.....cm); at bottom 4·5 in (.....cm)

Full details of permanent lining tubes (position, length, diameter, plain, slotted, etc.) .....

Trial – filled in

Continuously cored

.....

.....

Water struck at depths of .....ft (.....m) below well top

Rest level of water.....ft (.....m) above* below well top. Suction at.....ft (..... m)

TEST CONDITIONS

Yield on..... hours'* days' test pumping at.....galls (.....m³) per..... with depression to.....ft (.....m) below well top. Recovery to rest level in ..... mins* hours

Capacity of pump .....g.p.h. (.....m³/h)

Date of measurements.....

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type..... Motive power.....

Capacity.....galls (.....m³) per hour. Suction at.....ft (..... m) below well top. Amount pumped.....galls (.....m³) per day. Estimated consumption.....galls (.....m³) per week

Well made by Soil Mechanics Ltd. Date of sinking Nov 1977

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

see IGS Report Series 83/3

LOG OF STRATA OVERLEAF

Received from .....

.....

.....

Date .....

Observation well .....

Recorder.....

British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169
[redacted]

114/17 TF05/52

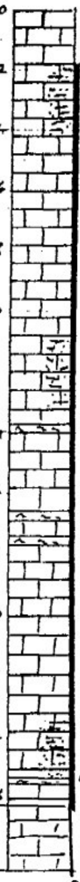
ASHBY. LL.10.
C/L 49.11 m.a.o.d.

TF 02 55/41
TF 02405517.

174

TF05NW/17

GEOLOGICAL CLASSIFICATION



Depth	Description	Classification		
0	Exposure Lincolnshire Limestone			
	massive cementstone			
2	hard muddy limestone			
4				
6				
8	friable oolites.	LINCOLNSHIRE LIMESTONE	LINCOLNSHIRE LIMESTONE	MIDDLE JURASSIC
10				
12	Hard muddy limestone with marl band at base.			
14				
16	massive cementstone with laminated marl seams.			
18				
20	hard partially cemented oolites.			
22				
24	Hard muddy limestone with laminated marl seam			
26	poor recovery			

4" open hole infilled.

core barrel

Base 26.20.

Base 28.20

(92 ft. 6 ins)

Drilled 28/11/1977 - 3/12/1977.
by Soil Mechanics
cored throughout. cores stored.

HEA AT 1980

Information on Fracture index, porosity, rock chemistry, moisture content. Av. 430
more detailed Log in L.R.D. Borehole notes file.

British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169
[redacted]

17 114/174

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL10 ODGL = 49.11 IGS

TF 05 | 52

TF05NW17

SAMPLE (SERE, AWA, Moist, PH FR)	DEPTH (METRES)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
	0–2	28/11/77			OPEN HOLE			
	2		100%	RUBBLE		Buff	Hard brashy impure l'st with scattered ooliths	lst – scattered large pisoliths
		1300					Hard impure l'st, thin oolite band c 3 cms	fine grained lst slightly marly; crystalline white lst; shell band
	3						Large shell fragments (bivalve up to 6 cm diameter Chlamys type)	
		1330						coarse oolite; marly band; coarse oolite
	4						Hard bioclastic l'st, layer of gastropods at 3.9–4.05 m. much shelly debris	hard pisolitic lst
							Spongy oolite contact @ 4.22 m, this soft oolite	coarse friable oolite; sharp change; fine grained shelly oolitic lst.
		1400					Oolite, 'hard', sparite cemented	
	5						Soft crumbly oolite	
							Hard fine oolitic l'st, large shell fragments – 6cm+	fine egg roe friable oolite
							Sparite cemented	
		1500					Hard, fine oolite	oolite bands of fine–med grains coarsening downwards
	6							

British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169
[redacted]

11 1+

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL10

(2) TF 05/52 IGS

TF05NW17

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (metres)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
			100%			Buff	Soft non sparry cemented oolite	
							V hard sparite cemented oolite	(3cm crystals) friable oolite bubbles cemented before large shell frags.
							Rotten, vuggy oolite.	
	7						Fine grained sparite cement,	
		1600					Rotten oolite along bedding + fractures	
			100%			Creamy buff	Well bedded hard oolite, bands of soft crumbly oolite + sparite cemented layers.	large shells; egg roe oolite
	8							
						Buff	Soft/impure lst oolite. Shell fragments up to 4cm diameter	egg roe oolite; mod. coarse [illegible] coarse friable oolite in marly large shell debris to coarse oolite
		1700 29/11/77	100%				Hard poorly cemented fine grained oolites, local patches of large bivalves	egg roe friable oolite; mod-coarse friable oolite; large shell egg roe oolite friable
	9							
	10						Oolite crumbly & soft along bedding..	
		1015	100%				Hard sparite cemented fine oolite, fine grain sparite	egg roe oolite
							Occasional gastropods.	shelly band egg roe friable oolite
	11						Soft loosely cemented fine oolite, minor patches of sparite cemented rock.	c/f-coarse friable egg roe oolite in marly matrix coarse oolite gradation to oolite lst.
		1130					V hard sparite cemented, oolite calcite [illegible]	bedding
	12							

British Geological Survey

Version 2.0.6.6

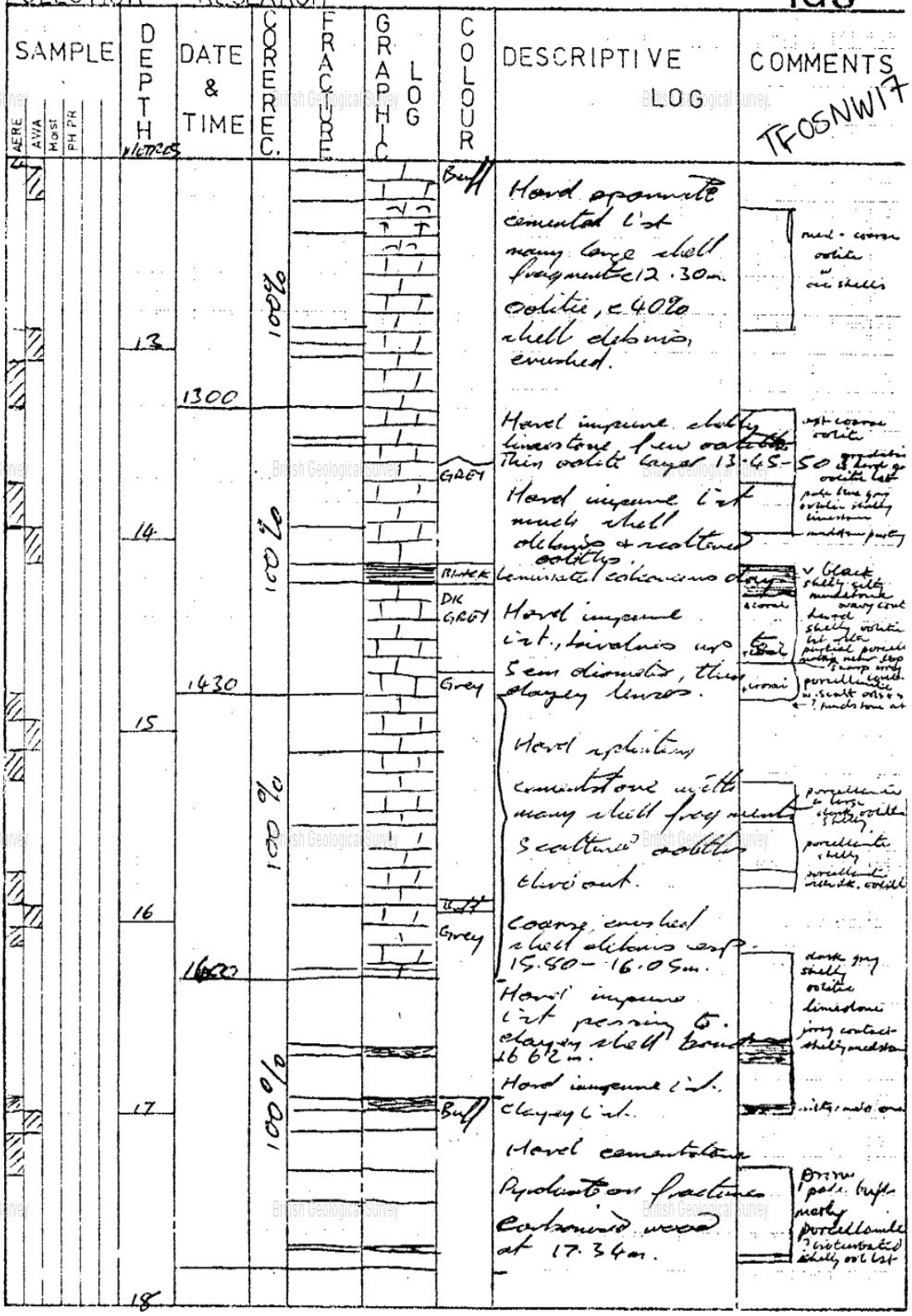
BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169
[redacted]

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL10

TF05/52 IGS

TF05NW17



British Geological Survey

Version 2.0.6.6

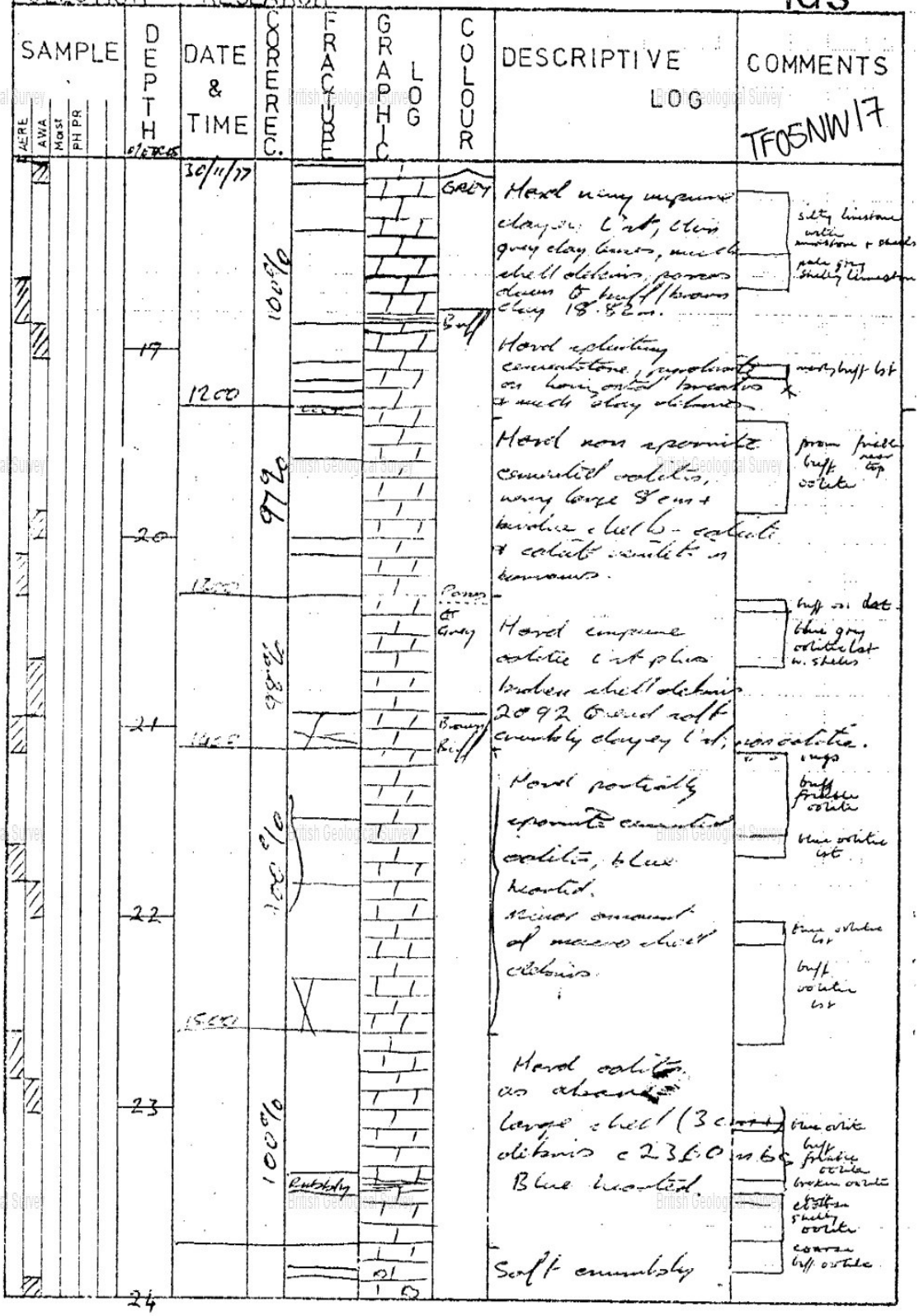
BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169

Report an issue with this borehole

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL10

TF 05 | 52 IGS



British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169
[redacted]

cψ/ 17 (6) TF05/52 IGS

GROUNDWATER NITRATE POLLUTION RESEARCH BOREHOLE 6610

SAMPLE (AERE, AV/A, Moist, PH PR)	DEPTH metres	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS TF05NW17
			100%			GREY	veggy oolites, cavities partially clay residue filled, up to 4cm long. Hard impure cementstone + scattered oolites + shell fragments	
	25	1/12/77	65%	LOST			Hard impure chalky lst. Soft laminated calcareous shale ? soft greyish clay – cuttings recovery	
	26		90%				Soft crumbly shelly lst, rotten oolitic, rough clay + shell debris	
	27							
	28							
	29							
	30							

British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169
[redacted]

GROUNDWATER NITRATE POLLUTION RESEARCH BOREHOLE 17 LL 10 TF05/52 IGS

TF05NW17

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
	24							blue grey oolitic limestone w. gastropods
	25							blue grey oolitic limestone w. gastropods. black mudstone
								black silty mudstone
	26					Grey	v. impure limestone with shell fragments. Redeposited Fe^{3+} on fracture	blue grey silty limestone strongly [illegible]
						Buff	Impure silty limestone	buff silty limestone
	27	1/12/77	80%			Grey	Hard splintery impure lst. w. occasional shell frags. & rare ooliths. fine grained.	
						Dk. grey	{ Hard splintery impure lst. w. many shell fragments and some ooliths..	
						Grey	Impure silty limestone with many shell fragments (< 1cm) and ooliths.	
						Lt. grey	Shell bands at c. 27.45 c. 27.50 & 27.72.	
	28			Lost				
		End.						

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040
[redacted]

NGRC

BOREHOLE RECORDS

ADJUSTMENT FORM

QUARTER SHEET TF05NW.

BH REGISTRATION NUMBER 38 – 43.

RECORDS ENTERED AND HELD BY WALLINGFORD

BH REGISTRATION NUMBER(S)

RECORD OF WELL

For Institute use only Licence No. TF05/51 N.....

114/173

EXACT SITE OF WELL

At 2½ km WNW of Ashby

Town or Village Ashby de la Launde

County Lincs

Six-inch County Sheet .....

Six-inch National Grid sheet and reference TF 0260 5604 TF05NW

For IGS Hydro Dept (GNPR No. LL 08)

State whether owner, tenant, builder, contractor, consultant, etc.:— .....

Address (if different from above) .....

.....

Level of ground surface above sea level (O.D.) ..... ft (46.03 m)

*DELETE AS NECESSARY

If well top is not at ground level, state how far above:* below: ..... ft (..... m)

SHAFT.....ft (.....m); diameter.....ft (.....m);

HEADINGS (please attach details—dimensions and directions)

BORE.....ft (28.7 m); diameter: at top 4.5 in (.....cm); at bottom 4.5 in (.....cm)

Full details of permanent lining tubes (position, length, diameter, plain, slotted, etc.) .....

Trial - filled in

Continuously cored

.....

.....

Water struck at depths of .....ft (.....m) below well top

TEST CONDITIONS

Rest level of water.....ft (.....m) above* below well top. Suction at.....ft (..... m)

Yield on..... hours'* days' test pumping at.....galls (.....m³) per..... with

depression to.....ft (.....m) below well top. Recovery to rest level in ..... mins* hours

Capacity of pump .....g.p.h. (.....m³/h)

Date of measurements.....

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type..... Motive power.....

Capacity.....galls (.....m³) per hour. Suction at.....ft (..... m)

below well top. Amount pumped.....galls (.....m³) per day. Estimated

consumption.....galls (.....m³) per week

Well made by Soil Mechanics Ltd Date of sinking Nov. 1977

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

See IGS Report Series 83/3

LOG OF STRATA OVERLEAF

Received from .....

.....

.....

Date .....

Observation well .....

INSTITUTE OF GEOLOGICAL SCIENCES,
WATER DEPARTMENT,
SOUTH KENSINGTON,
LONDON, S.W.7.

Recorder.....
E.R. log .....
Site marked on
1″ map .....
6″ map .....
(use symbol)
Copy to .....
.....
Date .....

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

(For Institute use only) GEOLOGICAL CLASSIFICATION	NATURE OF STRATA If measurements start below ground surface, state how far.	THICKNESS Feet	Inches	Metres	DEPTH Feet	Inches	Metre

British Geological Survey

Version 2.0.6.6

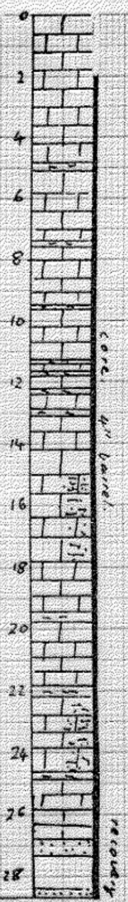
BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040
[redacted]

ASHBY LLB
G/L 46.03 m.a.o.d.

114/173 TF 0256/60
TF 02605604.

GEOLOGICAL CLASSIFICATION

TF05|51



4" open hole infilled

core 4" barrel

poor recovery

Base 28.70

(94 ft 2ins)

OUTCROP: LINCOLNSHIRE LIMESTONE

massive cementstones.

buff grey friable oolites

Hard partially cemented oolite

Hard muddy limestone underlain by laminated marl seam
Hard partially cemented oolites

massive cementstone with laminated marls especially near the top

A-A but blue hearted

hard muddy limestone

Hard partially cemented oolite with occ. marlstone bands

Hard muddy limestone.

soft running sand above sandy clay
sandy silts, slightly calc.
Mottled brown & grey clays with plant
. frags & clayey sands
siliceous cemented sands.

LINCOLNSHIRE LIMESTONE

LOWER ESTUARINE SERIES

? LINCOLNSHIRE LIMESTONE (UNDIVIDED)

LOWER ESTUARINE BEDS AND NORTHAMPTON SAND/GRANTHAM FORMATION ?

BAJOCIAN

MIDDLE JURASSIC

Information on Fracture index, porosity, rock chemistry, moisture content 420 TKV
more detailed log in master file. L.R.D. Bolton

Drilled 24-27/11/77 for I.G.S.
by Soil Mechanics
cored throughout. core stored for I.G.S.

PEL A.T. 1980

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040
[redacted]

report : to members £40 U #14/173

GROUNDWATER NITRATE POLLUTION RESEARCH BOREHOLE LL8 O.D. G.L. 46.03 m. IGS

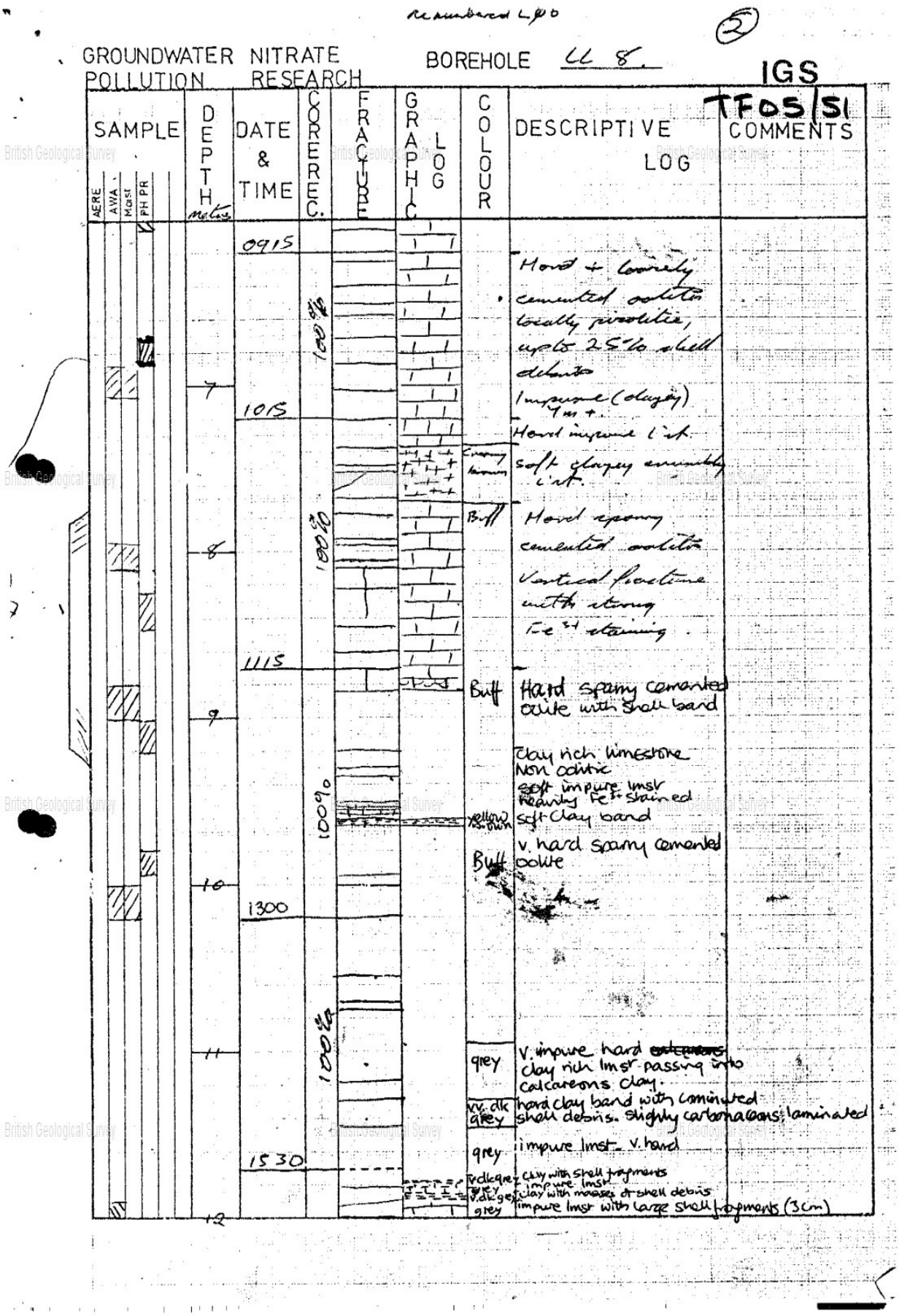
TF05/51

SAMPLE (AEME, AWA, Mast, PH PR)	DEPTH (metres)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
		24.11.77				Brown	Brown soil with limestone fragments	
						Buff & grey		
	1				HOLE OPEN			
	2	24.11.77				Buff to yellow brown	oolitic limestone with calcite nests (2cm.)	
			100%	RUBBLE			Occasional bivalve fragments (1–2cm)	
	3	1615					oolths well cemented by sparry cement in patches – otherwise rather friable and crumbly	
			100%				oolitic lmst with calcite veins and sparry calcite nests	
							many shell frgments in oolite	
	4	1645					poorly cemented oolith	
			100%			Buff	Fine grained clay rich limestone with scattered oolites and shell fragments	
							Calcite veinlets thro' oolite	
		1730 25/1/78					V. course oolitic lmst with minor shell fragment component	
	5						clay seam.	
						Buff	Hard sparry cemented fine oolite minor shell debris	
							Vertical fracture with clay mud on coating	
	6							

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040
[redacted]


renumbered LL 10
(2)
GROUNDWATER NITRATE POLLUTION RESEARCH
BOREHOLE LL 8.
IGS
TF05/51
SAMPLE
AERE
AWA
Most
PH PR
DEPTH metres
DATE & TIME
CORE REC.
FRACTURE
GRAPHIC LOG
COLOUR
DESCRIPTIVE LOG
COMMENTS
0915
1015
1115
1300
1530
Hard + coarsely cemented oolite locally pisolitic, upto 25% shell debris
Impure (clayey) lmst.
Hard impure lmst.
soft clayey crumbly lmst.
Hard sparry cemented oolite
Vertical fracture with strong Fe3+ staining.
Buff
Hard sparry cemented oolite with shell band
Clay rich limestone Non oolitic
soft impure lmst Heavily Fe3+ stained
yellow brown
soft clay band
v. hard sparry cemented oolite
Buff
grey
V. impure hard calcareous clay rich lmst passing into calcareous clay.
vv. dk grey
hard clay band with comminuted shell debris. slightly carbonaceous laminated
grey
impure lmst. v. hard
dk grey
clay with shell fragments
grey
impure lmst
v. dk grey
clay with masses of shell debris
grey
impure lmst with large shell fragments (3cm)

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040
[redacted]

re numbered L ϕ 6 (3) TF05/51 IGS

GROUNDWATER NITRATE POLLUTION RESEARCH BOREHOLE LL 8

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (METRES)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
							laminated clay band with masses of shell fragments v. impure lmst	
			100%			grey / buff	v. hard lmst — buff where more porous + oxidised Fe^{3+} & grey where Fe in reduced condition scattered ooliths + shell fragments	
						grey	v. impure lmst with massive shell fragments (10cm+)	
							v. soft marl seam	
	13					buff	Hard impure lmst	
		1700 26/11/77				grey with buff mottling	Hard crumbly + hard splintery impure cementstone patchy oolite bands + shell debris thro' out.	
			100%				Clay lenses + a shell nodule scattered thro' out.	
	14						All sticks of core blue hearted.	
		0915						
	15			LOST		Grey Penny Brown	Soft wet clay with shell fragment	
			96%			Buff	Soft clay / Hard impure l'st non oolitic large 2 cm shell fragment	
							Soft clay / Sub vertical fractures with pyrolusite spots, no Fe^{2+} staining	
	16						Soft clay-dry	
		1015					white Cementstone with ferruginous ooliths (scatter	
							Thin patchy impure lmst with many ferruginous ooliths	
							Cementstone with v. scattered ooliths + comminuted shell fragments & clay pellets	
	17					v. dk grey	Thin clay parting	
							Impure lmst with many large gastropod fragments (4cm)	
						v dk grey / buff	Thin clay parting / v. impure lmst	
						v dk grey / buff / brown / buff	clay band / v. impure lmst — much Fe^{3+} staining on vertical joint & Pyrolusite " " " / clay seam	
		1115				lt. buff	v. impure limestone with scattered ooliths	
	18							

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040
[redacted]

re numbered LP6

(4)

TF05 | 51
IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL8

SAMPLE (AERE / AWA / Moist / PH PR)	DEPTH	DATE & TIME	CORREC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
	18		100%			Buff	Hard oolitic limestone with sparry calcite cement Some clay in matrix Calcite crystals infilling vugs (2cm)	
		1215						
	19					Buff	Impure limestone with occasional oolithes Deconstituted shells replaced with clay infilling	
							Oolite - very hard	
			100%			Orange brown	Crumbly clay band with comminuted shell debris - Fe stained	
						buff	Ferruginous oolite with sparry calcite cement	
	20							
		1420						
			100%			Buff	very hard oolitic limestone well cemented with sparry calcite	
		1530						
	21						very hard oolitic limestone with sparry cement	
							do.	
			100%				do. becoming more impure with depth, & bn well cemented.	
							Impure oolitic limestone with much clay in matrix and large shells (3cm) soft & friable	
	22					Orange brown	Soft and moist clay band stained with Fe^{3+}	
						Buff	Hard oolitic unst with clay pellets (3cm) and shell fragments replaced by calcite	
		1650 27/4/77					Hard impure lst many shell frags thin patches oolith-rich Vuggy - 5cm+ - clay filled	
	23		100%			Grey	Hard splintery lst many bivalve & gastropod fragments up to 2cm; calcite cmtn v minor oolith content, no clays.	
		1010						
	24							

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

[redacted]

Re numbered LQO

TF05/51
IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL8

SAMPLE (AERE / AWA / Moist / PH PR)	DEPTH (metres)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
			100%			GREY	Very hard splintery finegrained impure L'st; shaly texture 24.52-70m much shell debris very clayey.	
						D/k		
	25						L'st with minor amount of large (0.5cm+) shell debris	
		1130						
	26		100%				Hard impure shelly L'stone, mainly bivalves + gastropod frags, bivalves up to 4cm diameter.	
							Silty clay L'stone, slightly micaceous calcareous silt, well laminated.	
		1230						
	27		60%				Soft running sand above sandy clay + sandy silts, slightly calcareous	
?*	28						Passes down to mottled brown + grey clays with plant fragments (coaly) + clayey sands.	
		1400						
		1500 END	10%				Siliceous cemented sand & silt below.	
	29						* 28m sample ? location 40% core loss in run.	
	30							

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

[redacted]

TF05/51

Core Analysis data

available from Aquifer Properties Laboratory, Engineering Geology and Reservoir Rock Properties group.

National Grid Reference :- TF 026 561

Laboratory sample number :- 1080

[redacted]

June 1985.

APPENDIX E3 BGS BOREHOLE LOGS – ZONE E

RECORD OF WELL (SHAFT OR BORE)

05155528, 100

114

TF05NE/10 9 A

At [redacted]

Town or Village Ashby [de la Launde]

County Lincolnshire Six-inch quarter sheet

For Mr. [redacted]

Exact site of well centre of village behind Hall farm. See tracing. (Attach a tracing from a map, or a sketch-map, if possible.)

Level of ground surface above sea-level (O.D.) 99 feet.

Is well-top at ground level? yes If not, state how far above; below; feet.

Shaft ft., diameter ft. Details of headings

Bore 125 ft.; diameter of bore: at top 7½" ins.; at bottom 6" ins.

Lengths, diameters, perforations, etc., of lining tubes 75' 0" of 7½ case. sealed into Rock at 75' 0".

Water struck at depths, below well-top, of (feet) 56' 0"

TEST DETAILS Month Year — Rest-level of water 45' 4" ft. below well-top. Suction at 65' 0" ft. Yield on 8 days' pumping 4,000 gallons per hr (max. capacity of pump 4000 g.p.h.), with depression of 12 feet. Recovery to in mins.

		Start	Comments
			?BWC BWL RCD
7.47	LHF MDST	BWL	
12.04	MDST	RCD	
38.10	LMST	LL	

WORKING CONDITIONS ...ove / ...low well-top. ...ove / ...low ". ...ove / ...low ". ...ours per day. ...ns. ...urs

Quality of w... good.

Well made b... 8/9/35

Information

ADDITIONAL NOTES.

OD. 99'.
Supplies villages of Ashby & Bloxholm.
Petrol-paraffin surface pump.
5,000 gals/day - Yield.
RWL. 20-30 below surface.
For analysis of water apply to E. Kesteven RDC. Sleaford.
Information from W. Templeman, Manora, Lincoln Road, Donington Lincs.
Visited & site checked. 4.7.51. CS.

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.
2/6/41 W.D.E		114		⊙	⊙

(17208) Wt.42901/0877 10,000 2/41 A.& E.W.Ltd. Gp.686

CLR 9/10/90

RECORD OF WELL (SHAFT OR BORE)

10 1" N.S. 114 TF05NE4

03645626

At Rauceby Hill ... Farm ...

Town or Village ... Six-inch quarter sheet ...

Exact site (Rauceby ... 1560 ...) See tracing in parish of Rauceby (a rough sketch-map or a tracing from a map is very desirable)

Level of ground surface above sea-level (O.D.) 210 ft. If well starts below ground surface, state how far ... ft.

Shaft ... ft., diameter ... ft. Bore ... ft. Diameter of bore: at top ... ins.; at bottom ... ins.

Details of permanent lining tubes (internal diameters preferred) ...

Water struck at depths of (feet) ...

Rest-level of water below top of well 44 feet. Suction at ... feet. Yield on ... hours' / days' test ... gallons per ... (with pump of capacity ... g.p.h.); depressing water level to ... feet below top. Time of recovery ... hrs. Amount normally pumped daily ... g.p.h. for ... hours.

Quality (attach copy of analysis if available) ...

Sunk by T. Smith & Son ... for Mr. W.H. Baldock, Surveyor, Ruskington Date of well July 1926 / 1929

Information from W.F. Pettifer & Son, Grimsby per W.D. Evans

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).		THICKNESS Feet.	Inches.	DEPTH Feet.	Inches.
Soil	(map incorrect) Red soil	0.46	1	6	1	6
Great Oolite Limestone	Yellow sandstone	1.37	4	6	6	—
	Blue clay	0.30	1	—	7	—
	Blue stone	1.22	4	—	11	—
	Blue clay BWL	0.15				
	Blue stone	2.74	9			
Upper Estuarine Beds	Yellow sandstone	0.46	1	6		
	Blue clay	0.30	1		23	
	Very hard blue stone RLD	1.52			28	
	Black clay	0.61			30	
	Blue stone	1.83	6			
	Blue clay	0.30	1			
LL	Very hard blue stone	11.89	39		76	
	Brown sandstone LL	1.22			80	
	Hard blue stone	9.75	32	—	112	

Comments

?BWC BWL RLD

6.71	Rock CLAY SAST	BWL
11.28	CLAY STONE	RLD
34.14	STONE	LL

... cut at 50 inches down.

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

For Survey use only: Date received ... G.S.M. Office File No. ... Site marked on 1" map

(*11815) Wt.29051/O.889 10,000 A.& E.W.Ltd. Gp.136

British Geological Survey

Version 2.0.6.6

BGS ID: 469208 : BGS Reference: TF05SW2
British National Grid (27700) : 504490,353770
[redacted]

RECORD OF WELL (SHAFT OR BORE)

202 127/117

04495377

127

TF05SW/2

117

At Thorold Farm

Town or Village Bicker Ing

County Lincs Six-inch quarter sheet 97 NW (E)

For Mr.

Exact site of well { Attach a tracing from a map, or a sketch-map, if possible.

Level of ground surface above sea-level (O.D.) c. 105 feet.

Is well-top at ground level? If not, state how far above; below; feet.

Shaft ft., diameter ft. Details of headings

Bore 90 ft.; diameter of bore: at top ins.; at bottom ins.

Lengths, diameters, perforations, etc., of lining tubes 11 ft. × 8 in.; 20 ft. × 6 in.

Water struck at depths, below well-top, of (feet) [illegible]

TEST DETAILS Rest-level of water 14 ft. ~~above~~ below well-top. Suction at ft. Yield on hours'/days'

Month pumping [illegible] gallons per (max. capacity of pump g.p.h.),

Year with depression of feet. Recovery to in mins./hours.

WORKING CONDITIONS

Rest-level of water in (month), (year), ft. above/below well-top.

Highest " in (month), (year), ft. above/below "

Lowest " in (month), (year), ft. above/below "

Suction at ft. Rate of pumping galls. per for hours per day.

with average depression of ft. Recovery to in mins./hours

Quality of water (attach copy of analysis if available)

Well made by J. T. BARNES & SON, SLEAFORD. Date of well

Information from do

ADDITIONAL NOTES.

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.
		127			

(17208) Wt.42901/0877 10,000 2/41 A.& E.W.Ltd. Gp.686

British Geological Survey

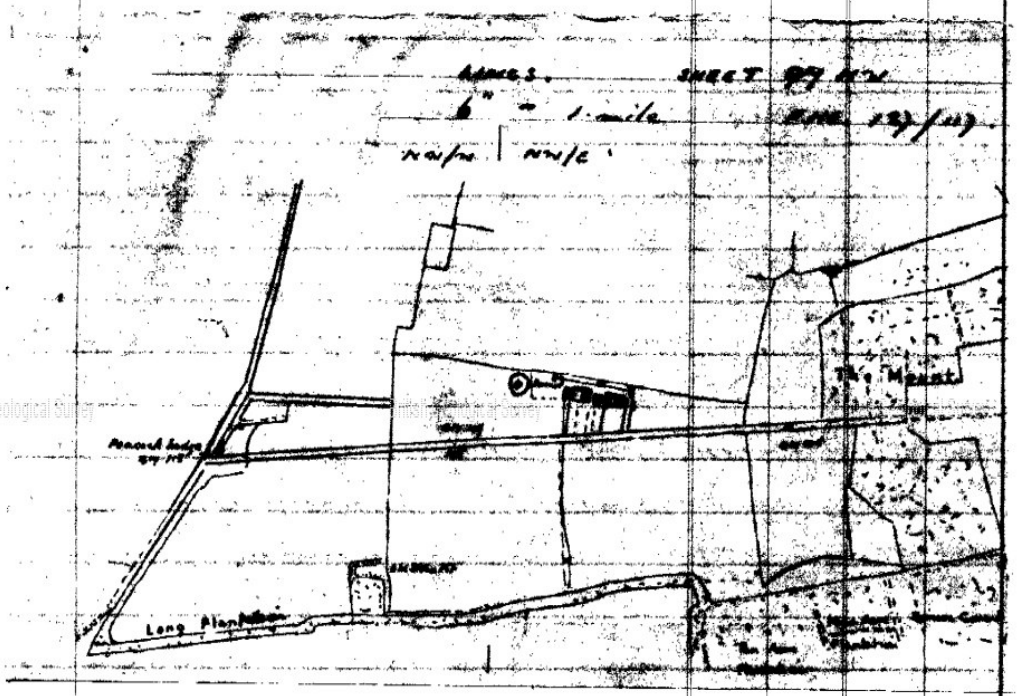
Version 2.0.6.6

BGS ID: 469208 : BGS Reference: TF05SW2
British National Grid (27700) : 504490,353770
[redacted]

(2)

(For Survey use only)
GEOLOGICAL CLASSIFICATION

NATURE OF STRATA If measurements start below ground surface, state how far... ...	THICKNESS Feet	 Inches	DEPTH Feet	 Inches
Soil & rock	...	1.22	4	1.22
U.F.S.	...	6 40	25.	7 62
Lincs. L.	...	1981		27 40



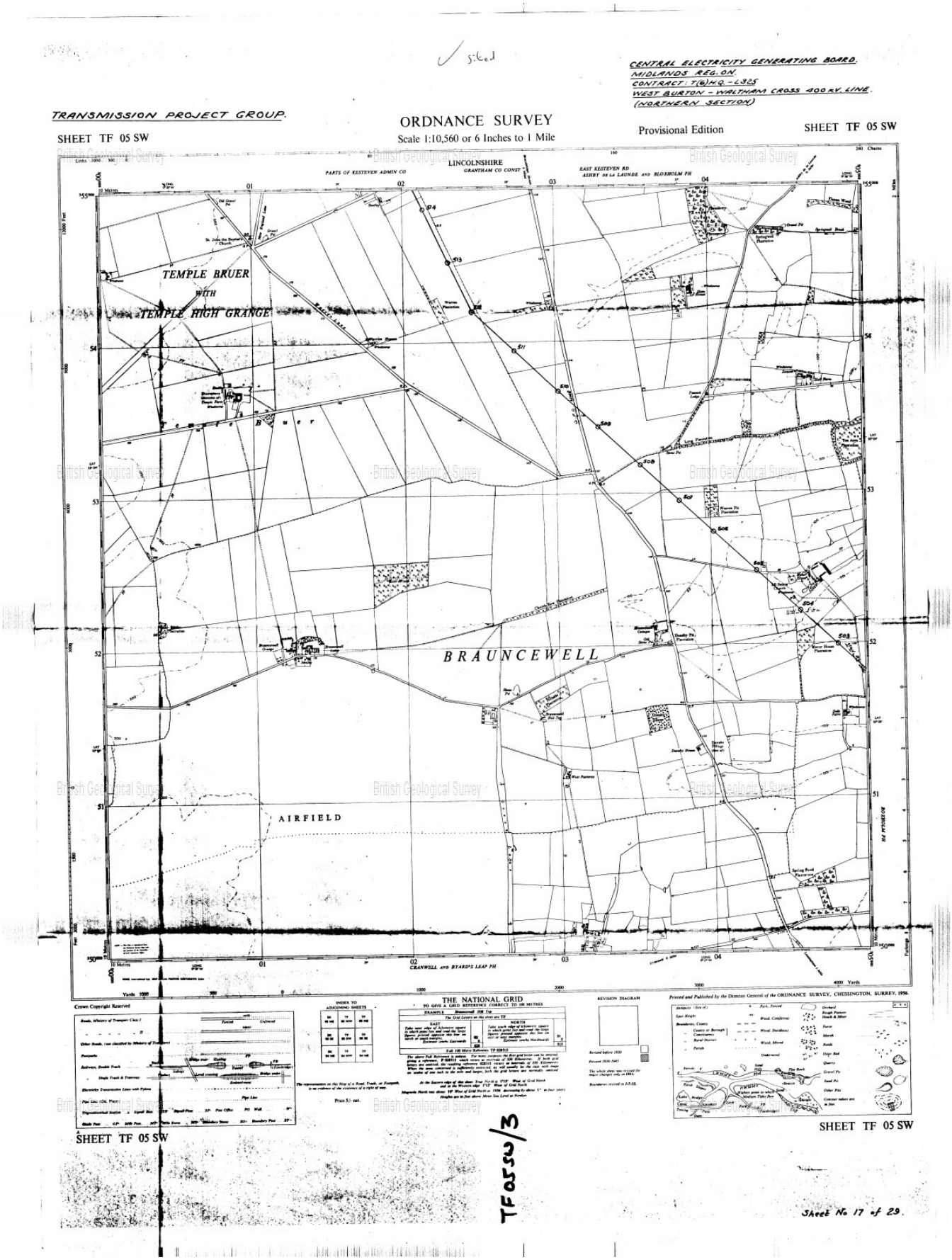
British Geological Survey

Version 2.0.6.6

BGS ID: 469208 : BGS Reference: TF05SW2
British National Grid (27700) : 504490,353770

[redacted]

<< < Prev Page 3 of 6 Next > >>



RECORD OF WELL (SHAFT OR BORE)

HALL TF 05 SW/2.

127 TF05SW 117

At Mount Farm

Town or Village Bloxholm

County Lincs Six-inch quarter sheet 97NW(E)

For Mr.

Exact site of well TF 0650 5375 (Attach a tracing from a map, or a sketch-map, if possible.)

Level of ground surface above sea-level (O.D.) c. 105 feet.

Is well-top at ground level? If not, state how far above ; below ; feet.

Shaft 3ft ft., diameter ft. Details of headings

Bore 90 ft. ; diameter of bore : at top ins. ; at bottom ins.

Lengths, diameters, perforations, etc., of lining tubes 11ft × 8in. ; 20ft × 6 in.

Water struck at depths, below well-top, of (feet) 55 ft.

TEST DETAILS Month Year

Rest-level of water 47 ft. above / below well-top. Suction at ft. Yield on hours' / days'

pumping Good gallons per (max. capacity of pump g.p.h.),

with depression of feet. Recovery to in mins. / hours.

WORKING CONDITIONS

Rest-level of water in (month), (year), ft. above / below well-top.

Highest " in (month), (year), ft. above / below "

Lowest " in (month), (year), ft. above / below "

Suction at ft. Rate of pumping galls. per for hours per day.

with average depression of ft. Recovery to in mins. / hours

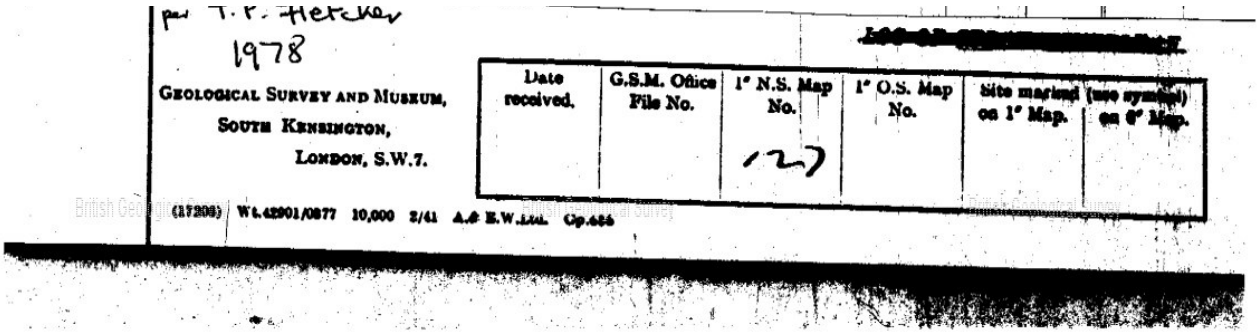
Quality of water (*attach copy of analysis if available*)

Well made by J. T. BARNES & SON, SLEAFORD. Date of visit June 1934

Information from do

ADDITIONAL NOTES.

(For Survey use only) GEOLOGICAL CLASSIFICATION	NATURE OF STRATA (If measurements start below ground surface, state how far...)	THICKNESS Feet	THICKNESS Inches	DEPTH Feet	DEPTH Inches
Great Oolite	Scaly rock	4		4	
U.E.S.	Clay	21		25	
Lincs L.	Lime stone	65		90	



per T.P. Fletcher
1978

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.
		127			

(17208) Wt.42901/0877 10,000 2/41 A.& E.W.Ltd. Gp.656

British Geological Survey

Version 2.0.6.6

BGS ID: 469208 : BGS Reference: TF05SW2
British National Grid (27700) : 504490,353770

Report an issue with this borehole

(2) (For Survey use only) GEOLOGICAL CLASSIFICATION

NATURE OF STRATA

If measurements start below ground surface, state how far... ...

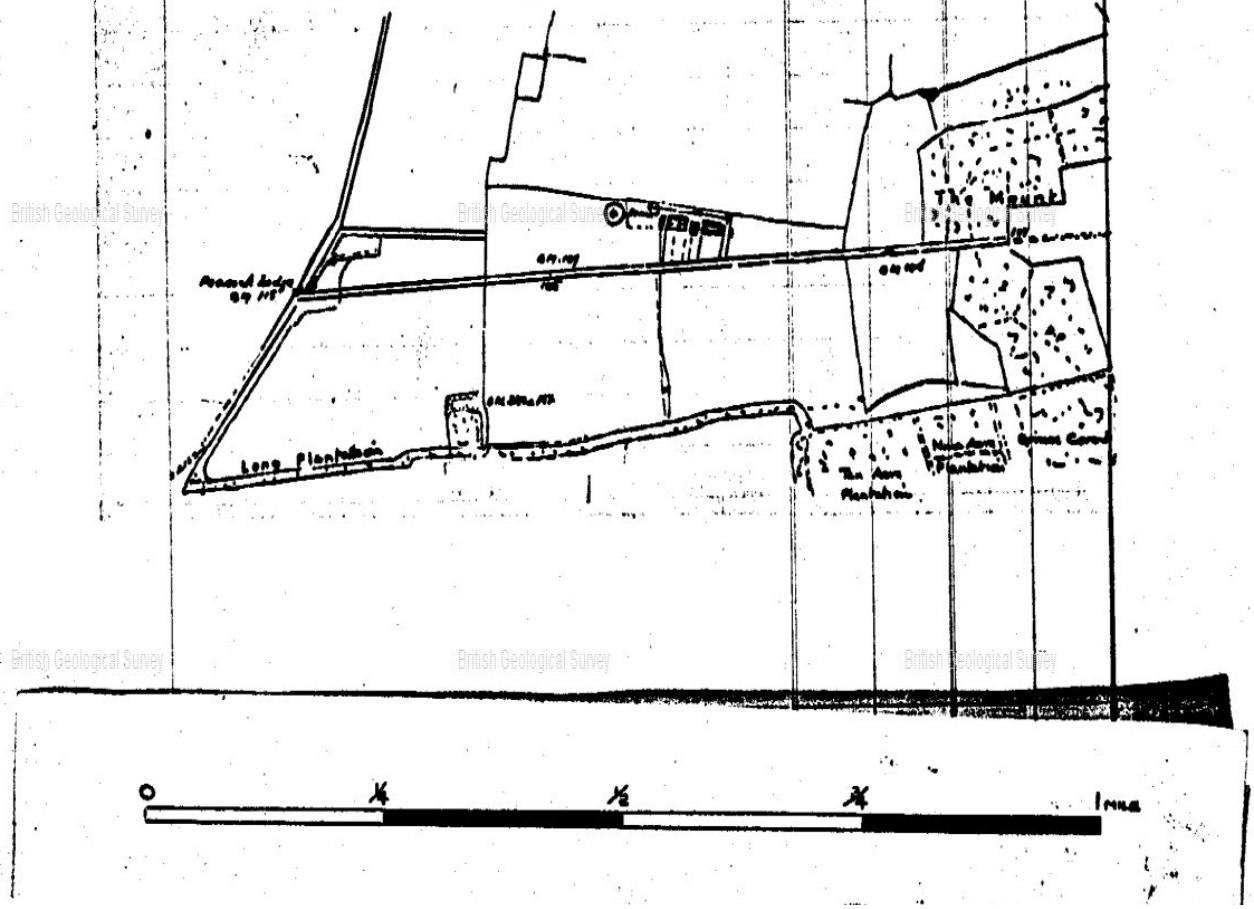
		Thickness Feet	Thickness Inches	Depth Feet	Depth Inches
	Soil & rock	4		4	
U.E.S.	Clay	21		25	
Lincs L.	Limestone	65		90	

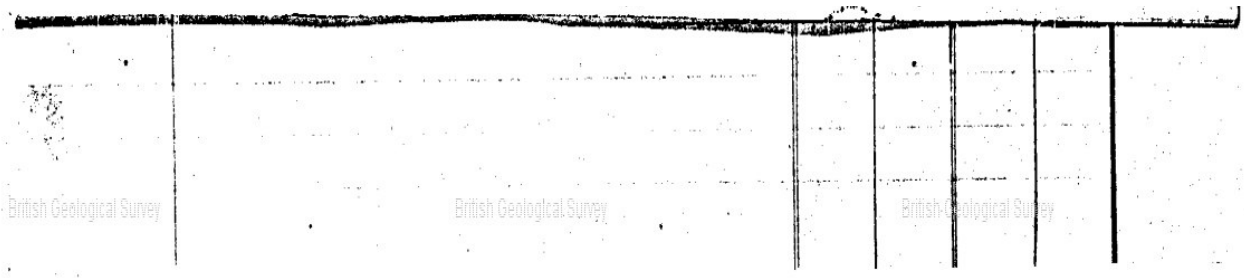
TF05 5

TF0

LINCS. SHEET 97 NW

6" = 1 mile PNE. 12/11.




British Geological Survey
British Geological Survey
British Geological Survey

WATER RESOURCES BOARD (Geology Division)

Reference Number G.S.M. ...127/117.. ...TF05/E5....

Chemical analysis of water sample (to be copied in the same units as original document)

Source of sample ....HALL FARM.....
N.G.R. ..... Date Collected ...15/11/68.....
Aquifer .....LINCOLNSHIRE LIMESTONE.....
Analyst .....F.A. LYNE..... Analyst's ref.no. ...72.....

Appearance .....
E. cond. at 20°C ..... Turbidity (silica scale) .....
Reaction pH .....7-6..... Colour (hazen) .....
S.G. at ..... Odour .....
Temperature .....°C / .....°F Taste .....

Constituents (the units of the original analysis to be indicated, if not mg/l)

	Units:	mg/l		Units:	mg/l
T.D.S. (dried at 180°C)	.....	509	Nitrogen in nitrates	.....	.....
Hardness, Total*	.....	434	Nitrogen in nitrites	.....	.....
Carbonate*	.....	.....	Free ammonia	.....	.....
Non-carbonate*	.....	.....	Albuminoid ammonia	.....	.....
Alkalinity*	.....	240	Oxygen absorbed in		
Chlorine in chlorides	.....	53.	4 hours at 27°C	.....	.....
Free carbon dioxide	.....	.....	Residual chlorine	.....	.....
Silica	.....	.....		.....	.....
Fluoride	.....	<.05		.....	.....
Metals	.....	..... * expressed as calcium carbonate			

		Units:	mg/l	me/l	Percentage reacting equivalents
Calcium	(Ca)	.....	.....	.....	.....
Magnesium	(Mg)	.....	.....	.....	.....
Sodium	(Na)	.....	.....	.....	.....
Potassium	(K)	.....	.....	.....	.....
			Total		
Carbonate	(CO_3)	.....	.....	.....	.....
Bicarbonate	(HCO_3)	.....	.....	.....	.....
Sulphate	(SO_4)	.....	129	.....	.....
Chloride	(Cl)	.....	53.	.....	.....
Nitrate	(NO_3)	.....	.....	.....	.....
			Total		

Remarks: (continue overleaf if necessary)

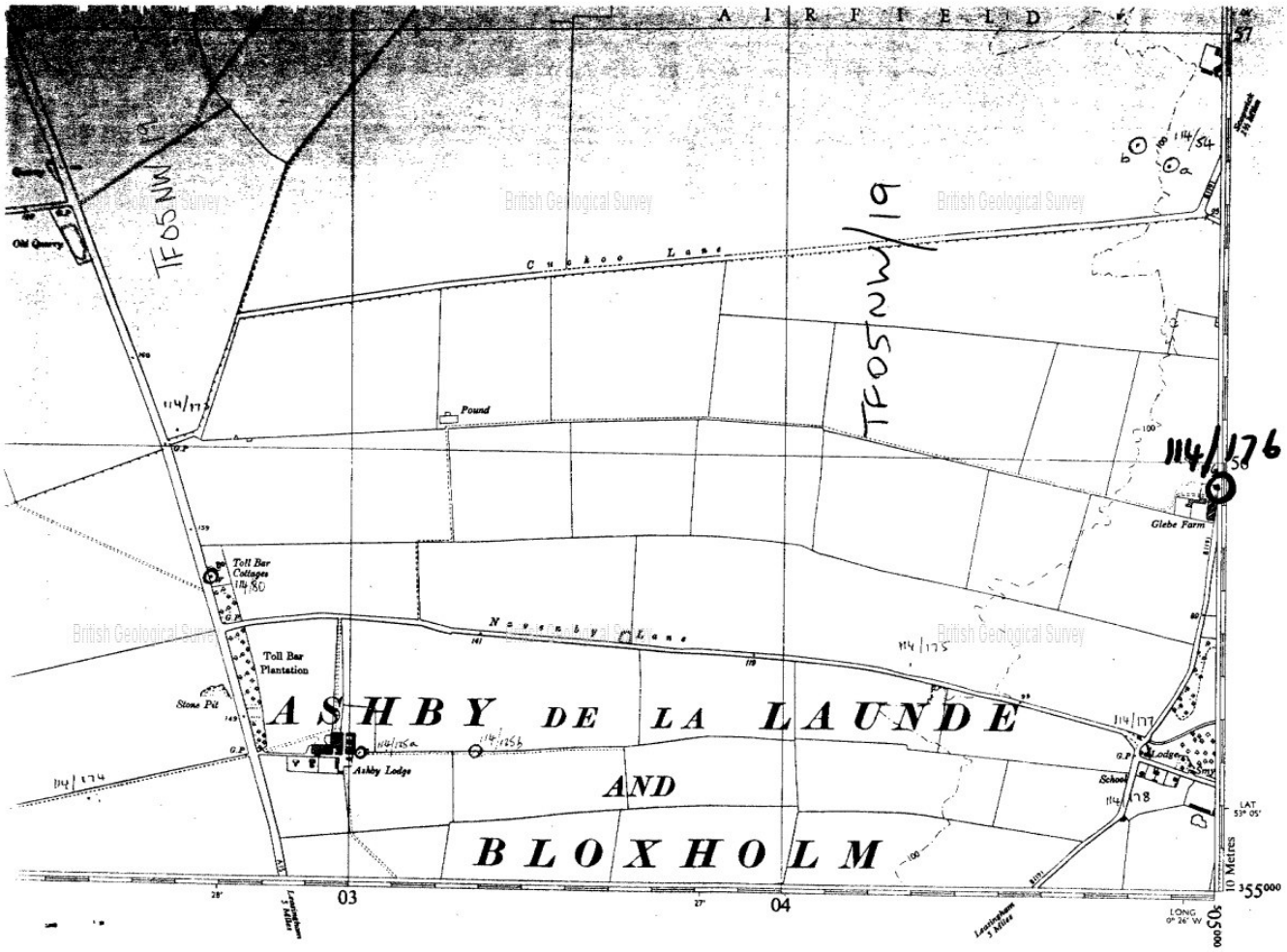
DR 44378/1/89 2m 3/66 XL

British Geological Survey

Version 2.0.6.6

BGS ID: 469087 : BGS Reference: TF05NW19
British National Grid (27700) : 504987,355943

[redacted]



RECORD OF WELL

For Institute use only Licence No.

TF05/54 N.....

114/176

EXACT SITE OF WELL

At Glebe Farm

Town or Village ASWAY DE LA LAUNDE

County Linc

Six-inch County Sheet .....

Six-inch National Grid sheet and reference TF 0500 5594 TF05 NW

For I.G.S. Hydro Dept. (NPR No. LL13)

State whether owner, tenant, builder, contractor, consultant, etc.:— .....

Address (if different from above) .....

.....

Level of ground surface above sea level (O.D.) ..... ft (27·62 m)

*DELETE AS NECESSARY

If well top is not at ground level, state how far above:* below ft (0·18 m)

SHAFT.....ft (.....m); diameter.....ft (.....m);

HEADINGS (please attach details—dimensions and directions)

BORE 36'2" ft (11 m); diameter: at top.....in (15·5 cm); at bottom.....in (15·5 cm)

Full details of permanent lining tubes (position, length, diameter, plain, slotted, etc.) PVC

2·8 m solid from surface c. 150 mm diam.

.....

.....

.....

Water struck at depths of .....ft (.....m) below well top

TEST CONDITIONS

Rest level of water.....ft (.....m) above* below well top. Suction at.....ft (..... m)

Yield on..... hours'* days' test pumping at.....galls (.....m³) per..... with

depression to.....ft (.....m) below well top. Recovery to rest level in ..... mins* hours

Capacity of pump .....g.p.h. (.....m³/h)

Date of measurements.....

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type..... Motive power.....

Capacity.....galls (.....m³) per hour. Suction at.....ft (..... m)

below well top. Amount pumped.....galls (.....m³) per day. Estimated

consumption.....galls (.....m³) per week

Well made by Anglian Water Authority Date of sinking Jan 1978

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

See IGS Report Series 87/3

LOG OF STRATA OVERLEAF

Received from .....

.....

.....

Date .....

Observation well .....

INSTITUTE OF GEOLOGICAL SCIENCES,
WATER DEPARTMENT,
SOUTH KENSINGTON,
LONDON, S.W.7.

Recorder.....
E.R. log .....
Site marked on
1″ map .....
6″ map .....
(use symbol)
Copy to .....
.....
Date .....

British Geological Survey

Version 2.0.6.6

BGS ID: 469087 : BGS Reference: TF05NW19
British National Grid (27700) : 504987,355943

[redacted]

(*For Institute use only*) GEOLOGICAL CLASSIFICATION	NATURE OF STRATA If measurements start below ground surface, state how far.	THICKNESS			DEPTH		
		Feet	Inches	Metres	Feet	Inches	Metre

British Geological Survey

Version 2.0.6.6

BGS ID: 469087 : BGS Reference: TF05NW19
British National Grid (27700) : 504987,355943
[redacted]

114/176

TF05 | 54

ASHBY 13

Flange 27.44 m.a.o.d.
G/L (27.62 m.a.o.d.

TF0455/19
F ~~04995593~~ 0500 5594

Driller's Log

GEOLOGICAL CLASSIFICATION

Depth	Notes	Driller's log		Geological classification
0–2	open hole 5 7/8"	Limestone.		
2–4			Cornbrash	
4–6		Hard limestone	Limestone + AGREED	MIDDLE JURASSIC
6–10				
10	Borehole	Deep but no water		

(36 ft. 2 ins.)

PER A.T. 1980

Drilled by L.A.D. for L.G.S. 16-20/12/1977

No core no samples

British Geological Survey

Version 2.0.6.6

BGS ID: 469087 : BGS Reference: TF05NW19
British National Grid (27700) : 504987,355943
[redacted]

Additional information

TF05/54
114/176

114/176 165 Observation bore Glebe Farm Ashby-de-la-Launde

Visited. Bore has no WL recorder shelter over it at present with an AWA recorder installed (AWA padlock)
Rising water level c. 5.5 m below flange.
November 1980 ASR MAP.

Visited. Recorder trace for the week of 28.8.81 to 4.9.81 showed a shallow falling trace with no variation.
28.8.81 W.L. 8.79 m below flange
4.9.81 " 8.89 " " "

September 1981 ASR MAP.

Note. Flange is at +27.49 m OD
Casing 2.8 m 5" borehole
Bore ? c. 10 + deep.

British Geological Survey

Version 2.0.6.6

BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520
[redacted]

NGRC

BOREHOLE RECORDS

ADJUSTMENT FORM

QUARTER SHEET TF05NW.

BH REGISTRATION NUMBER 38 – 43.

RECORDS ENTERED AND HELD BY WALLINGFORD

BH REGISTRATION NUMBER(S)

RECORD OF WELL

For Institute use only Licence No.

TF 05/53 N.....

114/175

EXACT SITE OF WELL

At c. 0.8 km WNW of village

Town or Village ASHBY DE LA LAUNDE

County LINCS.

Six-inch County Sheet .....

Six-inch National Grid sheet and reference TF 0430 5552 TF05 NW

For IGS Hydrol. Dept (ENPR No. LL 19)

State whether owner, tenant, builder, contractor, consultant, etc.:— .....

Address (if different from above) .....

.....

Level of ground surface above sea level (O.D.) ..... ft (33.69 m)

*DELETE AS NECESSARY

If well top is not at ground level, state how far above:* below: .....ft (..... m)

SHAFT.....ft (.....m); diameter.....ft (.....m);

HEADINGS (please attach details—dimensions and directions)

BORE.....ft (25.1 m); diameter: at top 4.5 in (.....cm); at bottom 4.5 in (.....cm)

Full details of permanent lining tubes (position, length, diameter, plain, slotted, etc.) .....

Trial - filled in

Continuously cored

.....

.....

TEST CONDITIONS

Water struck at depths of .....ft (.....m) below well top

Rest level of water.....ft (.....m) above* below well top. Suction at.....ft (..... m)

Yield on..... hours'* days' test pumping at.....galls (.....m³) per..... with

depression to.....ft (.....m) below well top. Recovery to rest level in ..... mins* hours

Capacity of pump .....g.p.h. (.....m³/h)

Date of measurements.....

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type..... Motive power.....

Capacity.....galls (.....m³) per hour. Suction at.....ft (..... m)

below well top. Amount pumped.....galls (.....m³) per day. Estimated

consumption.....galls (.....m³) per week

Well made by Soil Mechanics Ltd Date of sinking Nov 1977

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

See IGS Report Series 83/3

LOG OF STRATA OVERLEAF

Received from .....

.....

.....

Date .....

Observation well .....

INSTITUTE OF GEOLOGICAL SCIENCES,
WATER DEPARTMENT,
SOUTH KENSINGTON,
LONDON, S.W.7.

Recorder.....
E.R. log .....
Site marked on
1″ map .....
6″ map .....
(use symbol)
Copy to .....
.....
Date .....

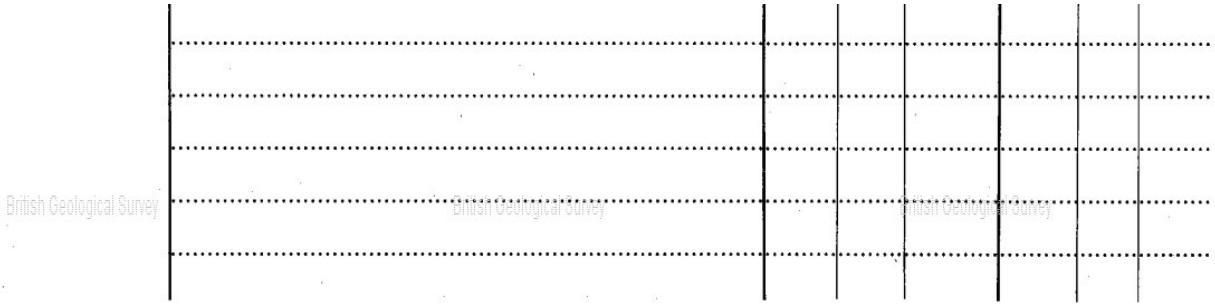
British Geological Survey

Version 2.0.6.6

BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520

[redacted]

(*For Institute use only*) GEOLOGICAL CLASSIFICATION	NATURE OF STRATA If measurements start below ground surface, state how far.	THICKNESS			DEPTH		
		Feet	Inches	Metres	Feet	Inches	Metre



British Geological Survey

Version 2.0.6.6

BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520
[redacted]

Report in be numbered L ϕ5 (1) 114/175

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL 19
OD GL c 33.69 m

IGS
TF 05 | 53

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
		16/11/77					Brown soil with limestone fragments	
	1				OPEN HOLE			
	2		100%			yellow to fawn buff.	Hard cemented bioclastic l'st. Thin brownish yellow oolitic bands. Tufa on bedding + fractures	
		1215						
	3		100%				Hard cemented l'st. to 3.38 m, with much shelly debris. Below 3.38 m open oolitic l'st, fairly crumbly + porous	
						brown yellow		
		1345						
	4		100%				do., porous down to cemented l'st at c 4.50 m. No apparent sharp change, little shell debris. Vertical fracture with insoluble debris.	
	5	1515						
	6						Crumbly open oolitic l'st to 6.15 m, passing rapidly to	

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re numbered L 4 J (2) TF05/53 IGS

GROUNDWATER NITRATE POLLUTION RESEARCH BOREHOLE LL19

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH metres	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
						Cream Brown	hard recrystalline biodastic oolite Shell debris up to 4 cm in length // bedding	
	7	1630 17/4/77 1300	100%				Mainly soft crumbly (in fingers) oolite with thin cemented bioclastic bands.	Compressor u/s a.m.
	8						Oolite in part pisolitic + random ... shell frags ... out	
	9	1400	100%				do. becomes more micritic towards base of run	
						buff-grey		
	10	1510	100%				micritic hard limestone, thin oolitic seams + fewer shell frags to 10.60m 10.60 - 11.10 oolitic, crystalline	
						cream brown	Thin clay seams (1-2mm) at 10.58m	
	11	1615	100%				micritic few oolites. Soft crumbly micritic l'st passes down to very hard, crystalline bioclastic oolite,	
	12					Pale to Fawn DK		clean drilled in 1hr.

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[redacted]

re-numbered Logs (3) TF05/53 IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL19

SAMPLE (AERE / AWA / Mast / PH PR)	DEPTH metre	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
						Grey	splintery + large complete lamellibranch shells	
		1730 18/11/77				Grey	Crystalline, very hard lmst lamellibranch shells	
						dk grey	argillaceous softer lmst	
						v.dk grey	Soft flaggy clay band with small lmst fragments (½…	
						dark grey	bioclastic lmst with much dark clay matrix soft & crumbly	
	13					mid grey		
						charcoal	soft and friable clay band with shell fragments on laminae	
		0800	100%			light grey	very hard tight crystalline limestone with angular conchoidal fracture when split oöliths set in sparry matrix Occasional shell fragments	
		1030					large complete lamellibranch shells	
	14						Very hard and crystalline oolite extremely tight	
						grey	very hard crystalline oolite large ooliths and pisoliths set in a sparry matrix. [illegible]	
			100%				do. becoming darker & more micritic to base	
						dk grey	clay rich band gradually merges into purer oolitic limestone	
	15							
						grey	very hard oolitic lmst in sparry matrix many shell fragments, very tight	
		12.00					Very hard oölitic lmst with abundant shell fragments	
						yellowy grey	bioclastic lmst. v. hard + some ooliths	
						dk grey	laminated clay seam - soft & crumbly contains shell fragmen…	
	16		100%			lt grey	v. hard crystalline	
						dk grey	laminated clay seam - soft & crumbly & splits into lamina…	
						brown	marly partings in lmst	
						Buff with darker restaining	Very hard splintery biomicrite	
						grey	Very hard crystalline lmst shell fragments common	
		1345 22/11/77						
	17						Hard crystalline l'st above becoming argillaceous 17.30 m Many crushed shell fragments, each crossed by clay staining	
			100%			Buff	Hard impure crystalline limestone, very few shell fragments	
						grey Brown	Clayey limestone	
	18					Buff		

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BGS ID: 469108 : BGS Reference: TF05NW40
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[redacted]

re numbered logs

(4) TF05|53
IGS

GROUNDWATER NITRATE POLLUTION RESEARCH   BOREHOLE LL19

SAMPLE (AERE, AWA, Most, PH PR)	DEPTH metres	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
		1415				Buff passing to Grey	Hard open oolite minor broken shell fragments. Hard crystalline impure L'st many broken shell fragments, 18.35B and of this very porous, locally very crumbly.	
	19		100%				Large shell fragments in very hard porous L'st.	
		1600				Pk grey	Soft crumbly clay rich sandy L'stone.	
	20		100%			Grey	Hard & soft. banded impure sandy shell frag. rich L'stone. Becomes oolitic 20.26m locally sandy. Continued. Large ghost oolites + shell fragment 20.80	
	21	1730 23.11.77				Buff	to 21.00m. Hard oolitic L'st. occasional shell fragments.	Water Seepage complaint 19.80m b.c.
	22		100%			Grey	Hard oolitic L'st impure, thin clay rich patches minor shell debris	
		1020				Buff	CO. Oolitic lmst + coarse shell fragments. Calcite vertical veinlet	
	23					Grey	Oolite, passes down to impure oolite than grey clay rich lmst with minor oolith content + fairly large shell fragments. V. impure lmst with gastropod fragments 4cm+ length. V. impure lmst with bivalve fragments and mud pellets (c.3cm). thin clay band	water show 23.80 - perched on clay
	24					Buff		

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[redacted]

Re numbered LL9's

TF05/53
IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL19

SAMPLE (AERE / AWA / Most / PH PR)	DEPTH metres	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
		1230	100 %			grey	v impure lmst with gastropod fragments in abundance at top — up to 2mm diam.	
						grey	v impure lmst with many bivalve and some gastropod shells — up to 2cm long minor earthy content bioturbation channel at base	
						mid grey	v impure muddy lmst with small shell fragments — laminated	
	25	1415				grey	v impure lmst — oolitic with occasional shell fragments much clay in matrix	
	END							
	26							

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BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520
[redacted]

TF05/53

Core Analysis data

available From Aquifer Properties

Laboratory, Engineering Geology and

Reservoir Rock Properties group.

National Grid Reference :- TF 043 556

Laboratory sample number :- 1082

[redacted]

June 1985.

APPENDIX E4 BGS BOREHOLE LOGS – ZONE F

British Geological Survey

Version 2.0.6.6

BGS ID: 469062 : BGS Reference: TF05NE53
British National Grid (27700) : 505650,356250
[redacted]

TF05NE 05655625 114 T.F. R.S. 120

RECORD OF WELL (SHAFT OR BORE)

1" N.S. 1" O.S. 70 Grid Ref.

At Rowston ~~Holt~~ Gap ~~Farm~~, ~~Scopwick~~ Rowston.

Town or Village ~~Digby~~ County Lincs Six-inch quarter sheet 87 SW/SE

Exact site See tracing in parish of Rowston (A rough sketch-map or a tracing from a map is very desirable)

Level of ground surface above sea-level (O.D.) c100 ft. If well starts below ground surface, state how far ft.

Shaft ft., diameter ft. Bore ft. Diameter of bore: at top ins.; at bottom ins.

Details of permanent lining tubes (internal diameters preferred)

Water struck at depths of (feet)

Rest-level of water below ~~above~~ top of well 44 feet. Suction at feet. Yield on hours' days' test gallons per (with pump of capacity g.p.h.); depressing water level to feet below top. Time of recovery hrs. Amount normally pumped daily g.p.h. for hours.

Quality (attach copy of analysis if available)

Sunk by T. Smith & Son for Mr. W. H. Baldock, Surveyor, Ruskington Date of well 1926

Information from W. E. ... & Son ... (Grimsby) per W. D. Evans; per B. Smith & Son

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).	THICKNESS Feet.	THICKNESS Inches	DEPTH Feet.	DEPTH Inches.
Soil, inc Blisworth Clay if Map is correct	Red Soil	1	6	1	6
Gt. Oolite Lst.	Yellow sandstone	4	6	6	—
	Blue clay	1	—	7	—
	Blue stone	4	—	11	—
	Blue clay	—	6	11	6
approx base	Blue stone	9	—	20	6
	Yellow sandstone	1	6	22	—
Upper Estuarine Beds	Blue clay	1	—	23	—
	Very hard blue stone	5	—	28	—
	Black clay	2	—	30	—
	Blue stone	6	—	36	—
	Blue clay	1	—	37	—
Lincs Lst.	Very hard blue stone	39	—	76	—
	Brown sandstone	4	—	80	—
	Hard blue stone	32	—	112.	—

RJB
16/12/75

* According to O.S. 1" geology, 2 faults making a trough are running straight towards this farm, which is mapped as standing on Gt. Oolite Lst.

Climax windmill pump. Bore supplies house, 3 cattle yards & stable. Good supply, never fails, except for lack of wind to raise water.

CLR 9/10/90

RECORD OF WELL (SHAFT OR BORE)

03645626

10 114 1" N.S. TF05NE4

At Rowston Hill [illegible]

Town or Village [illegible] Six-inch quarter sheet [illegible]

Exact site (Rowston [illegible] 1560 [illegible]) See tracing in parish of Rowston (a rough sketch-map or a tracing from a map is very desirable)

Level of ground surface above sea-level (O.D.) [illegible] ft. If well starts below ground surface, state how far ____ ft.

Shaft ____ ft., diameter ____ ft. Bore ____ ft. Diameter of bore: at top ____ ins.; at bottom ____ ins.

Details of permanent lining tubes (internal diameters preferred) ____

Water struck at depths of (feet) ____

Rest-level of water below top of well 44 feet. Suction at ____ feet. Yield on ____ hours'/days' test ____ gallons per ____ (with pump of capacity ____ g.p.h.); depressing water level to ____ feet below top. Time of recovery ____ hrs. Amount normally pumped daily ____ g.p.h. for ____ hours.

Quality (attach copy of analysis if available) ____

Sunk by T. Smith & Son for Mr. W. H. Baldock, Surveyor, Ruskington Date of well July 1926

Information from W. F. Pettifer & Son, Grimsby per W. D. Evans

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).		THICKNESS Feet.	Inches.	DEPTH Feet.	Inches.
Soil, [illegible]	Red soil	0.46	1	6	1	6 (0.46)
Grantham Limestone	Yellow sandstone	1.37	4	6	6	— (1.82)
	Blue clay	0.30	1	—	7	— (2.13)
	Blue stone	1.22	4	—	11	— (3.35)
	Blue clay BWL	0.15	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Blue stone	2.74	9	[illegible]	[illegible]	[illegible]
Upper Estuarine Beds	Yellow sandstone	0.46	1	6	[illegible]	[illegible]
	Blue clay	0.30	1	[illegible]	23	[illegible]
	Very hard blue stone RLD	1.52	[illegible]	[illegible]	28	— (8.53)
	Black clay	0.61	[illegible]	[illegible]	30	[illegible]
	Blue stone	1.83	6	[illegible]	[illegible]	[illegible]
	Blue clay	0.30	1	[illegible]	[illegible]	[illegible]
LL	Very hard blue stone	11.89	39	[illegible]	76	[illegible]
	Brown sandstone LL	1.22	[illegible]	[illegible]	80	— (24.38)
	Hard blue stone	9.75	32	—	112	— (34.14)

Comments

?BWL BWL RLD RO

6.71	ROCK CLAY SILT	BWL
11.28	CLAY STONE	RLD
34.14	STONE	LL

[illegible] cut [illegible] 50 [illegible] down.

For Survey use only

Date received	G.S.M. Office File No.	Site marked on 1" map (see symbol)
VIII – IX		

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

(*11818) Wt.29061/O.889 10,000 A.& E.W.Ltd. Gp.336

Springwell
Solar Farm

springwellsolarfarm.co.uk

Application Document Ref: EN010149/APP/5.2
Planning Inspectorate Scheme Ref: EN010149