GeoSmart Information

Environmental Thinking

EnviroSmart

Site address	Land adjacent to 50 Moulton Chapel Road Cowbit Lincolnshire PE12 0XD
Site coordinates	527120, 318050
Report prepared for	Datum 1 4 Shivean Gate Moulton Spalding Lincolnshire PE12 6PL
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Report status	Final
Date issued	October 2019
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Report summary: contaminated land risks

The purpose of this EnviroSmart report is to provide clear and pragmatic advice regarding the nature and potential significance of contaminated land hazards which may be present at the study site. GeoSmart are providing consultancy and professional opinion based upon our collation, interpretation and assessment of information contained within an Envirocheck report, and other sources where expressly stated (i.e. site visits, photographs, and anecdotal evidence).

As such, potential contaminated land risks have been assessed by considering two key items:

1. The likelihood that **sources of contamination** are present within the sub surface beneath the site. This gives a measure of the potential for contamination to be occurring at the site.
2. The **consequence or severity of any impacts** should contamination be present. The consequence or severity of impact is inferred from the nature of any **potential receptors** (i.e., something that could be adversely affected by a contaminant, such as people, an ecological system, property or a water body) as well as any **relevant pathways** (i.e., a route or means by which a receptor can be exposed to or affected by a contaminant) relating to the site and the surrounding area.

The assessment findings are summarised as follows:

1. **Probability/likelihood** of a contaminant hazard at the Site	**Low likelihood** **Unlikely**
2. Potential **severity/consequence** of any impacts	**Medium** **Mild**
3. **Overall land quality risks posed by the Site**	**Moderate/low** **Low**

Risk Key

Very High	High	Moderate	Moderate/Low	Low	Very Low
There is a high probability that severe harm could arise to a designated receptor from an identified hazard without appropriate remediation action	Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remediation action	It is possible that without appropriate remediation action harm could arise to a designated receptor. It is relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely that such harm would be relatively mild	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely any harm would be mild	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely that, at worst if any harm was realised any effects would be mild	The presence of an identified hazard does not give rise to the potential to cause harm to a receptor

It is acknowledged that the risk assessment findings are based on documentary sources of information alone. Typically a proportionate programme of intrusive site investigations would be required to fully verify these findings.

Recommendations (for next steps)

✓	**Phase 2 site investigation**	Given the nature of the historical land use and therefore the potential for contamination to be present at the Site, it is recommended that a proportionate programme of site investigation be undertaken in order to establish the presence or absence of contamination and to enable a quantitative assessment of the associated environmental risks.

GeoSmart would be delighted to provide further information and a site specific quotation in relation to the above recommendations.

Please contact **info@geosmartinfo.co.uk** for further advice.

Introduction

1.1 Background

The study site (from herein known as 'the Site') is situated at Land adjacent to 50 in Moulton Chapel Road, Cowbit. A location plan of the Site is shown in Section 1.5. A proposed development plan of the Site is shown in Section 1.6.

GeoSmart was commissioned by Datum 1 in October 2019 to undertake a Phase 1 Land Quality Assessment for the Site. The report has been requested by South Holland District Council in order to support Planning Application Reference H22-0891-18.

The proposed development is for the erection of three new residential bungalows on the site of a recently demolished packhouse.

The EnviroSmart report has been undertaken by firstly compiling information concerning the Site and the surrounding area, including current and historical land uses, geological records and registered pollution incidents. The information which is gathered is then used to construct a 'conceptual site model', including an understanding of likely contaminant sources, pathways and receptors. Finally, a preliminary assessment of risks posed to identified receptors (i.e., people, buildings or the natural environment) from the anticipated land quality at the Site is performed. The risk assessment methodology is consistent with CIRIA C552 (2001); see Section 3.4 for details.

1.2 Purpose of this report

The purpose of this EnviroSmart report is to provide clear and pragmatic advice regarding the nature and potential significance of contamination hazards which may be present at the Site.

1.3 Report contents

This report is divided into two sections, as described below:

Section	Content	Purpose
Section 2: **LAND QUALITY ASSESSMENT**	A summary of the site history and environmental setting, the findings of the preliminary risk assessment and associated recommendations	To present a clear and concise overview of the land quality issues facing the Site, including recommendations of how to manage any land contamination which may be present
Section 3: **SUPPORTING INFORMATION**	A collection of site specific information on which the land quality assessment is based	To provide detailed information in support of the risk assessment; this section also represents a source of reference data for use in any subsequent site works/assessments

1.4 Report limitations

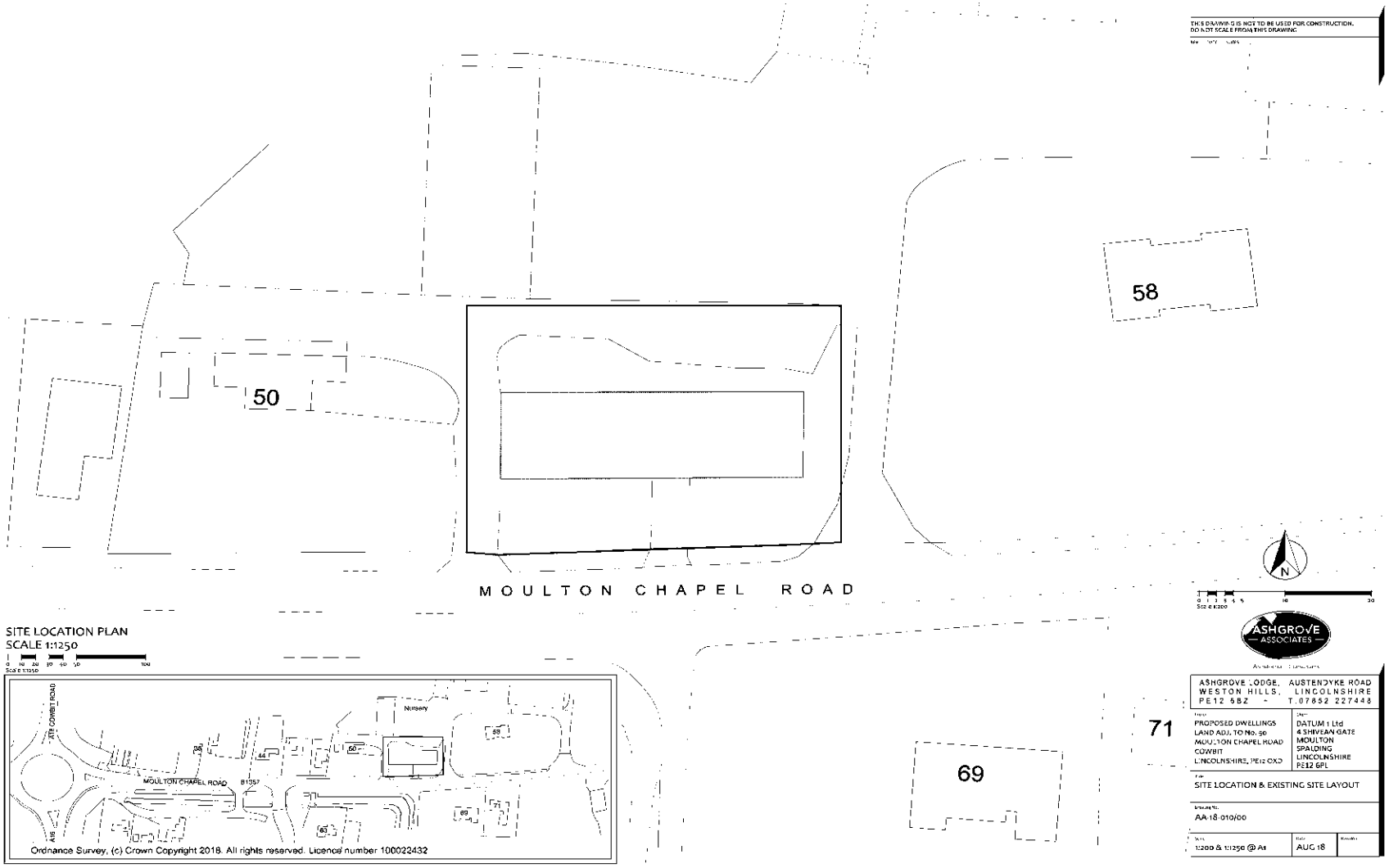
It is noted that the findings presented in this report are largely based on information supplied by third parties. Whilst we assume that all information is representative of past and present conditions we can offer no guarantee as to its validity.

GeoSmart did not undertake a site visit as part of this assessment. Photographs included in Section 3.2 were provided by the client. GeoSmart can not be held responsible for their accurate representation.

This report excludes consideration of potential hazards arising from any activities at the Site other than normal use and occupancy for the intended land uses. Hazards associated with any other activities have not been assessed and must be subject to a specific risk assessment by the parties responsible for those activities.

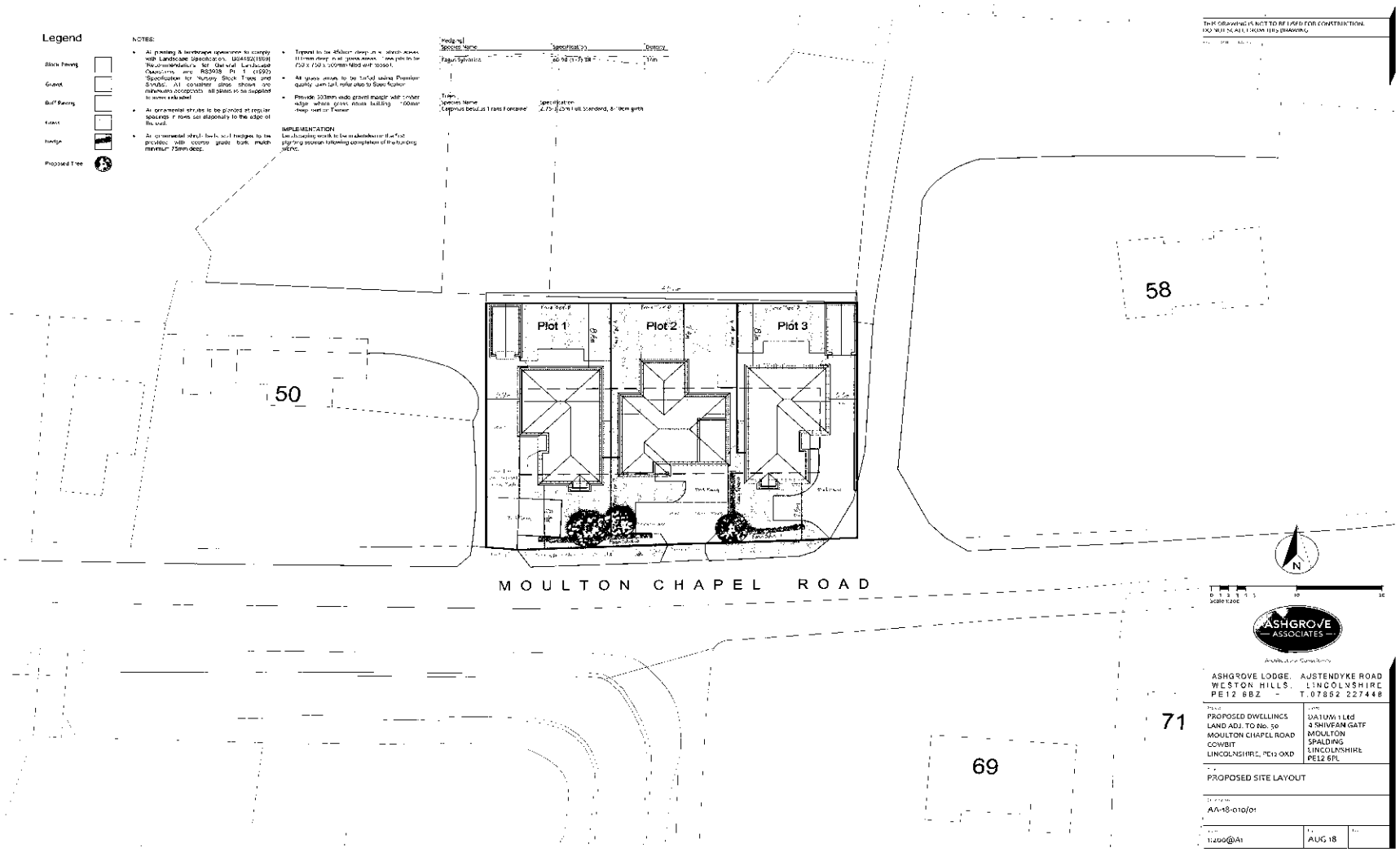
Introduction

1.5 Site location plan



Introduction

1.6 Proposed Site development plan



Land quality assessment

2.1 Site details

Site name:	Land adjacent to 50 Moulton Chapel Road	Current land cover:	The Site consists of c. 98 % softstanding and vegetation and c. 2 % hardstanding.
Current use:	Scrub Land (recently demolished)		
Proposed use:	Residential with garden	Site area:	0.15 ha

2.2 Conceptual understanding (potential sources of contamination)

Site history

Date	Description of land use	
	On-Site	Off-Site
1887	There is a building on-Site, associated with dwelling to the west along the western boundary. There is a drain along the eastern boundary.	Moulton Chapel road runs along the southern boundary. The surrounding area is predominantly agricultural in nature. There is a sluice c. 210 m to the west. Wheat Mere drain is labelled c. 200 m to the north west and c. 20 m to the south.
1888	No change.	
1904 - 1938	No change.	
1951	There has been development on-Site, with the erection of a building to the north, associated with the other buildings surrounding the Site.	A large building is now shown on, and to the north of the Site.
1959	No change.	
1969	The building to the north is now labelled as a nursery. A building occupies the central area of the Site on roughly the same footprint as the recently demolished packhouse.	Nursery c. 120 m to south west. Nurseries c. 120 m to south east.
1979 - 1995	No change.	
1999	Aerial Imagery shows no change.	Aerial imagery shows there is a potential nursery c. 140 to the west.
2000 - 2006	Aerial Imagery shows no change.	
2007	Aerial Imagery shows no change.	Aerial imagery shows the potential nursery c. 140 to the west, has gone but the area still appears to be used for growing.
2010	Aerial Imagery shows no change.	
2014	Aerial Imagery shows no major change, although the tracks on Site now appear vegetated.	Aerial Imagery shows there is a pond and an industrial estate c. 250 m to the south east. The roundabout c. 200 m to the west has been constructed.

POTENTIAL **SOURCES** OF CONTAMINATION

Source description

The land use history suggests that there is the potential for contamination to have occurred on-Site and off-Site relating to the following:

Nursery
- Storage of fuels and/or miscellaneous chemicals.
- Miscellaneous small scale fuel and chemical spills.
- Made Ground associated with former development/demolition activities.
- Asbestos containing materials (ACM) may have been incorporated within the built structures in the past; the disturbance of any such materials may have resulted in asbestos being present within the sub surface.

LOW LIKELI-HOOD

PROBABILITY OF CONTAMINATION

Land quality assessment

2.2 Conceptual understanding (potential sources of contamination)

	Date	Description of land use		Source description
		On-Site	Off-Site	
Site history	2016	Aerial Imagery shows possible removal of an extension on the north western part of the building.	Aerial Imagery shows the demolition of the buildings to the north associated with the nursery.	As above.
	2018	Aerial Imagery shows no change.		
	2019	Aerial Imagery shows no building on-Site.	Aerial Imagery shows no change.	
	Other evidence	The client provided the following information relating to the Site history. Previously and up until recently a packhouse, connected with the agricultural industry, existed upon the land. The building was constructed from brick and concrete. All materials including the floor slab and foundations have been removed during demolition. As far as is known there has been no pitting or level reduction/enhancement has taken place nor is there any tanks on site now or in the past, both above ground or below ground.		

POTENTIAL **SOURCES** OF CONTAMINATION

UNLIKELY

PROBABILITY OF CONTAMINATION

Land quality assessment

2.2 Conceptual understanding (potential sources of contamination)



Current land use

The Site is currently used as a scrub land.

There are no known buried storage tanks at the Site.

There is no known bulk fuel or chemical storage on Site.



Neighbouring industrial land uses

There are one or more potentially contaminative land uses are located within 250 m of the Site:

Distance from Site	Number of active industrial land uses	Number of inactive industrial land uses
0 - 50 m	0	1
51 - 100m	0	1
101 - 250 m	0	0

Nr	Nearest distance	Land use / permitted activity / authorisation
0	NA	Fuel station entries
0	NA	Gas pipelines
0	NA	Underground electrical cables
0	NA	Control of major accident hazards sites (COMAH)
0	NA	Notification of installations handling hazardous substances (NIHHS)
0	NA	Explosives sites
0	NA	Planning hazardous substance consents
0	NA	Planning hazardous substance enforcements
0	NA	Sites determined as Contaminated Land under Part IIA of the Environmental Protection Act 1990
7	c. 180 m	Records of Licensed Discharge Consents.
0	NA	Local Authority pollution prevention and control sites
0	NA	Local Authority pollution prevention and control enforcements
0	NA	Records of Category 3 or 4 Radioactive Substance Licences

POTENTIAL **SOURCES** OF CONTAMINATION

UNLIKELY

The Site's current use is unlikely to have given rise to significant land contamination.

The potentially contaminative land uses/activities identified in close vicinity of the Site may pose a contamination hazard to the Site should relevant contaminant pathways exist.

Contemporary Trade Directory entries include:
- Michaels Transport (Inactive) Road Haulage Services c. 25 m west
- M & D Traction (Inactive) Road Haulage Services c. 55 m west

Discharge Consent entries include:

- Anglian Water Services Limited c. 180 m east to discharge sewage discharges into Moulton Mere Drn River Nene in 2015. License: Varied under EPR 2010. There are six other consents at the same location which have been revoked.

LOW LIKELI-HOOD

PROBABILITY OF CONTAMINATION

2.2 Conceptual understanding (potential sources of contamination)

EA recorded pollution incidents	No Environment Agency pollution incidents have been recorded within 250 m of the Site.	No potential for gross contamination has been identified in relation to any pollution incidents occurring near to the Site.	**NEGLIGIBLE**
Landfills / waste sites	There are no Environment Agency listed historical landfills located within 500 m of the Site. There are no Environment Agency listed operational landfills located within 500 m of the Site. There are no Local Authority listed historical landfills located within 500 m of the Site.	Given the absence of any historical or operational landfills within close proximity of the Site no associated contamination hazards have been identified.	**NEGLIGIBLE**
	The following other waste sites are registered within 500 m of the Site: 0 Records of registered waste transfer sites. 0 Records of registered waste treatment or disposal sites. 0 Records of licenced waste management facilities.	Given the absence of any waste treatment, transfer or disposal sites within close proximity of the Site no associated contamination hazards have been identified.	
Radon	According to current UK radon mapping the Site lies in an area where <1% of homes are at or above the UK radon action level (200 Bq/m3).	<1% of homes are at or above the UK radon action level (200 Bq/m3).	**UNLIKELY**

POTENTIAL **SOURCES** OF CONTAMINATION

PROBABILITY OF CONTAMINATION

Land quality assessment

2.3 Conceptual understanding (environmental sensitivity / potential severity of impacts)

Geology and Groundwater	British Geological Survey mapping indicates that the underlying superficial geology consists of Tidal Flat Deposits which comprises clay and silt and is classified as Unproductive Strata.	Unproductive Strata typically have low permeability and offer negligible water supply or river base flow potential.	MINOR
	British Geological Survey mapping indicates that the bedrock geology consists of Oxford Clay Formation, which comprises of mudstone and is classified as Unproductive Strata.		
	According to the GeoSmart Groundwater Flood Risk (GW5) Map (GeoSmart, 2019). The risk of groundwater flooding at the Site is 'negligible'.	Based on the susceptibility of the Site to groundwater flooding, a groundwater flood risk assessment is not considered necessary for the Site.	
	The Site does not lie within a groundwater Source Protection Zone (SPZ).	The depth to groundwater beneath the Site is unknown.	
	There are no groundwater abstraction licences within 1 km of the Site.	The absence of any groundwater abstractions does not necessarily indicate a low resource potential. Small scale abstractions, such as for private water supplies, may not be listed.	
Geohazards	The Site does not lie within a 'Coal Mining Reporting Area'.	The Site does not lie within an identified coal mining area and is therefore unlikely to be affected by related ground stability or mine gas issues.	
	There are no brine affected areas within 75 m of the Site.	The Site does not lie within an area of former brine working and is therefore unlikely to be affected by related ground stability issues.	
	No or limited artificial ground / Made Ground is anticipated on Site.	BGS GeoIndex Onshore mapping does not have any artificial deposits recorded at the Site.	MILD
	The following natural hazards are present at or within 50 m of the Site: Compressible ground deposits Running sands	The Site has ground stability hazards that should be considered further as part of the redevelopment plans.	

POTENTIAL **RECEPTORS**

POTENTIAL SEVERITY OF IMPACT

Land quality assessment

2.3 Conceptual understanding (environmental sensitivity / potential severity of impacts)

POTENTIAL RECEPTORS		POTENTIAL SEVERITY OF IMPACT
Surface water	The nearest water feature is an agricultural drain, located on-Site. The Site lies within a Flood Zone 1 (Low probability). The following surface water abstraction licences are held within 1 km of the Site: - G & R Biggs spray irrigation water abstraction located c. 200 m west, c. 400 m north, c. 614 m west, c. 656 m north west, c. 962 m and c. 990 m south east of the Site. - M/S A H Clark Farms Ltd spray irrigation water abstraction located c. 698 m east of the Site. - J W E Banks Ltd general agricultural and spray irrigation water abstraction located c. 835 m south of the Site.	The relatively close proximity of the identified surface water feature(s) suggests that a potential linkage could occur if any contamination were present on Site. Mobile contamination may potentially enter nearby water features via any shallow groundwater or possibly via preferential flow pathways such as buried services.	MEDIUM
Environmental designations	There are no environmentally sensitive land uses within 500 m of the Site.	No relevant environmentally designated sites/receptors have been identified.	NEGLIGIBLE
Human receptors	Proposed residents/users of the Site plus neighbouring residences.	Human receptors are proposed to be present on Site.	SEVERE

2.4 Regulator perspective

Consultation date	2nd October 2019	South Holland District Council
GeoSmart consultant	Alexandra Pickles	Sue Armour
Consultation outcome	The local authority replied to a consultation request by GeoSmart. The Council declined to answer any queries relating to the Site other than through formal chargeable consultation.	

Land quality assessment

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
On-Site and Off-Site sources Nurseries and on-Site packhouse								
1		Dermal contact, ingestion & inhalation of soils & soil dust			**MEDIUM**	**LOW LIKELIHOOD**	**MODERATE/LOW RISK**	Given the historical use of the Site as a nursery and associated packhouse, it is possible that a range of inorganic pesticides, herbicides and other compounds have been used on the Site, there is potential for there to be contamination present which could impact future Site users, although the likelihood is considered to be Low, especially as the most recent use was for packing rather than growing.
2		Consumption of home grown produce		Current/future Site occupants	**MEDIUM**	**LOW LIKELIHOOD**	**MODERATE/LOW RISK**	
3		Ingress into water supply pipework and subsequent water ingestion			**MEDIUM**	**UNLIKELY**	**LOW RISK**	
4	Potential for **inorganic** and low volatility organic contaminants to be present within the subsurface **soils**	Building materials in direct contact with aggressive ground	PROP	Current/future Site buildings	**MINOR**	**UNLIKELY**	**VERY LOW RISK**	Aggressive ground conditions are not anticipated to be present.
5		Dissolution into pore water/shallow groundwater and subsequent migration	PROP	Tidal Flat Deposits (Unproductive Strata)	**MILD**	**UNLIKELY**	**VERY LOW RISK**	The risk classification reflects the local groundwater sensitivity (low resource value).
6		Dissolution into pore water/shallow groundwater and subsequent migration	PROP	Oxford Clay Formation (Unproductive Strata)	**MILD**	**UNLIKELY**	**VERY LOW RISK**	
7		Dissolution into pore water/shallow groundwater and subsequent lateral migration	PROP	drain (on-Site)	**MILD**	**UNLIKELY**	**VERY LOW RISK**	There is a potential for contaminant migration to the nearest watercourse, due to surface run-off, as rainfall will not infiltrate due to the underlying impermeable geology.
8		Dissolution into aqueous phase and preferential migration via drainage structures/runoff	PROP		**MILD**	**LOW LIKELIHOOD**	**LOW RISK**	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
9	Potential for **volatile organic** contaminants to be present within the subsurface **soils**	Dermal contact, ingestion & inhalation of soils & soil dust		Current/future Site occupants	**MEDIUM**	**LOW LIKELIHOOD**	**MODERATE/LOW RISK**	Given the historical use of the Site as a nursery, there is potential for there to have been historical fuel storage and use, any spills or leaks could impact future Site users, although the likelihood is considered to be Low. It is plausible that the source mass associated with any volatile contaminants that were originally present on-Site may have been significantly reduced due to the effects of volatilisation and degradation over time.
10		Consumption of home grown produce			**MEDIUM**	**LOW LIKELIHOOD**	**MODERATE/LOW RISK**	
11		Ingress into water supply pipework and subsequent water ingestion			**MEDIUM**	**LOW LIKELIHOOD**	**MODERATE/LOW RISK**	
12		Migration of vapours to surface; inhalation indoors			**MEDIUM**	**LOW LIKELIHOOD**	**MODERATE/LOW RISK**	
13		Migration of vapours to surface; inhalation outdoors			**MEDIUM**	**UNLIKELY**	**LOW RISK**	
14		Building materials in direct contact with aggressive ground	PROP	Current/future Site buildings	**MILD**	**UNLIKELY**	**VERY LOW RISK**	Aggressive ground conditions are not anticipated to be present.
15		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Tidal Flat Deposits (Unproductive Strata)	**MILD**	**UNLIKELY**	**VERY LOW RISK**	The risk classification reflects the local groundwater sensitivity (low resource value).
16		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Oxford Clay Formation (Unproductive Strata)	**MILD**	**UNLIKELY**	**VERY LOW RISK**	
17		Dissolution into pore water/shallow groundwater and subsequent migration	CW	drain (on Site)	**MILD**	**UNLIKELY**	**VERY LOW RISK**	There is a potential for contaminant migration to the nearest watercourse, due to surface run-off, as rainfall will not infiltrate due to the underlying impermeable geology.
18		Dissolution into aqueous phase and preferential migration via drainage structures/runoff	CW		**MILD**	**LOW LIKELIHOOD**	**LOW RISK**	

Land quality assessment

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
19	Potential for **asbestos** containing materials within the subsurface **soils**	Liberation of sub surface ACMs and inhalation of asbestos fibres		Current/future Site occupants	**MEDIUM**	**LOW LIKELIHOOD**	**MODERATE/LOW RISK**	Given the age of the previous building structures asbestos-containing material may have been present in the building fabris. However, it is understood that all building materials, including floor slabs were removed from Site during demolition.
20	Potential for **dissolved phase** contaminants to be present within **shallow groundwater**	Lateral and vertical groundwater movement via natural or artificial flow paths	CW	Tidal Flat Deposits (Unproductive Strata)	**MILD**	**UNLIKELY**	**VERY LOW RISK**	The risk classification reflects the presence of relatively low permeability of superficial deposits and underlying geology.
21		Lateral and vertical groundwater movement via natural or artificial flow paths	CW	Oxford Clay Formation (Unproductive Strata)	**MILD**	**UNLIKELY**	**VERY LOW RISK**	
22		Lateral and vertical groundwater movement via natural or artificial flow paths	CW	drain (on Site)	**MILD**	**UNLIKELY**	**VERY LOW RISK**	
23	Potential for elevated **methane** to be present within the sub surface **soils**	Lateral and vertical migration into on-Site buildings; potential to cause an explosion		On-Site properties and their occupants	**SEVERE**	**UNLIKELY**	**MODERATE/LOW RISK**	Based on the prevailing conceptual understanding an appreciable on Site gas source is considered unlikely. The risk classification is a reflection of the severity of consequences rather than the likelihood of occurrence.
24		Lateral migration towards off-Site buildings; potential to cause an explosion		Off-Site properties and their occupants	**SEVERE**	**UNLIKELY**	**MODERATE/LOW RISK**	
25	Potential for elevated **carbon dioxide** to be present within the subsurface **soils**	Lateral and vertical migration into on-Site buildings; potential to cause asphyxiation		Occupants of on-Site buildings	**SEVERE**	**UNLIKELY**	**MODERATE/LOW RISK**	
26		Lateral migration towards off-Site buildings; potential to cause asphyxiation		Occupants of off-Site buildings	**SEVERE**	**UNLIKELY**	**MODERATE/LOW RISK**	
27	Potential for **radon** within the subsurface	Lateral migration towards on-Site buildings; potential to cause long term health effects		Occupants of on Site buildings	**MEDIUM**	**UNLIKELY**	**LOW RISK**	The Site lies in an area where <1% of homes are at or above the UK radon action level (200 Bq/m3).
						OVERALL RISK RATING	**MODERATE/LOW RISK**	

Land quality assessment

2.6 Next steps

✓ **Phase 2 intrusive investigation**



Given the nature of the historical land use and therefore the potential for contamination to be present at the Site, it is recommended that a proportionate site investigation be undertaken in order to establish the presence or absence of contamination and to enable a quantitative assessment of the associated environmental risks.

Further advice:

Please contact info@geosmartinfo.co.uk **for further information regarding the need for a Phase 2 investigation.**

For information on reputable site investigation companies, enquiries can be made directly to your local authority or via www.endsdirectory.com

Supporting information

The following supporting information is contained in this section:

Section	Content
3.1	Referenced materials used in the EnviroSmart reporting
3.2	Site photographs
3.3	Published environmental data records (Landmark Envirocheck report Land adj. to No. 50, Moulton Chapel Road, Moulton Chapel, SPALDING, PE12 0XD. REF: 219888709_1_1) including: • Aerial photographs and site map • Environmental permits, incidents and registers • Landfill and other waste sites • Current land use information • Geology • Hydrogeology and hydrology • Flooding • Designated environmentally sensitive sites • Other environmental factors
3.4	Risk assessment methodology
3.5	Historical land use maps

Disclaimer

This report has been prepared by GeoSmart in its professional capacity as soil and water specialists, with reasonable skill, care and diligence within the agreed scope and terms of contract and taking account of the manpower and resources devoted to it by agreement with its client, and is provided by GeoSmart solely for the internal use of its client.

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Supporting information

Important consumer protection information

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Fax: 01722 332296
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Supporting information

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Complaints should be sent to:
Jemma Prydderch
Operations Manager

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Tel: 01743 298100
jemmaprydderch@geosmartinfo.co.uk

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman Scheme (TPOs): Tel: 01722 333306, E-mail: admin@tpos.co.uk

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.

Supporting information

3.1 References

The following references were used to inform the conceptual site model and preliminary risk assessment:

British Geological Survey, 2019a. Geology of Britain viewer (http://www.bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html)

British Geological Survey, 2019b. GeoIndex Onshore (http://mapapps2.bgs.ac.uk/geoindex/home.html)

British Standards Institute, 2011. Investigation of potentially contaminated sites – code of practice. BS10175:2011+A1:2013.

CIRIA, 2001. Contaminated land risk assessment. A guide to good practice. Publication C552. CIRIA London. ISBN 0-86017-552 9

Environment Agency, 2004. Publication CLR 11. Model Procedures for the Management of Land Contamination.

GeoSmart Information Limited, 2019. National Groundwater Flood Risk Map (GW5)

Health Protection Agency, 2000. Spring 2000 Newsletter featuring; Radon: Guidance on Protective Measures for New Dwellings (BR 211).

Landmark, 2019. Landmark Envirocheck report Land adj. to No. 50, Moulton Chapel Road, Moulton Chapel, SPALDING, PE12 0XD. REF: 219888709_1_1

Supporting information

3.2 Site photographs

Photograph 1: Photo shows neighbouring building to the Site



Photograph 2: Photo shows neighbouring building to the Site.



Photograph 3: Photo shows a small area of hardstanding at the former entrance to the Site.



Photograph 4: Photo shows a view of the Site.



Supporting information

3.3 Environmental data report

Readily available environmental information relating to the Site and its surrounding area has been provided by Landmark.

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
219888709_1_1

Customer Reference:
72234

National Grid Reference:
527120, 318050

Slice:
A

Site Area (Ha):
0.15

Search Buffer (m):
1000

Site Details:

Land adj. to No. 50, Moulton Chapel Road
Moulton Chapel
SPALDING
PE12 0XD

Client Details:

Miss A Pickles
Geo Smart Information Limited
Suite 9-11, 1st Floor
Old Bank Buildings
Bellstone
Shrewsbury
Shropshire
SY1 1HU

GeoSmart Information
Environmental Thinking

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	42
Hazardous Substances	43
Geological	44
Industrial Land Use	45
Sensitive Land Use	46
Data Currency	47
Data Suppliers	51
Useful Contacts	52

Introduction

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

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Report Version v53.0

GeoSmart Information
Environmental Thinking

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					n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		7	1	19
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 7				8
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 9	Yes			
Pollution Incidents to Controlled Waters	pg 9				1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
Substantiated Pollution Incident Register					
River Quality Chemistry Sampling Points					
Water Abstractions	pg 10		1	1	6 (*23)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 17	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 18		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 19		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 19		27	56	110

GeoSmart Information
Environmental Thinking

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 42	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)	pg 43				1
Planning Hazardous Substance Consents	pg 43				1
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 44	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites					
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				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 44	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 44	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 44	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 44	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

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	pg 45		2	2	3
Fuel Station Entries	pg 45				1
Gas Pipelines					
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 46				1
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 6 Effective Date: 21st September 2015 Issued Date: 21st September 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A13NE (E)	178	2	527320 318090
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 5 Effective Date: 1st January 2011 Issued Date: 31st March 2010 Revocation Date: 20th September 2015 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status: Revised by Notice, at direction of Secretary of State (Section 37(2))** Positional Accuracy: Located by supplier to within 10m	A13NE (E)	178	2	527320 318090
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 4 Effective Date: 31st March 2010 Issued Date: 31st March 2010 Revocation Date: 31st December 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status: Revised by Notice, at direction of Secretary of State (Section 37(2))** Positional Accuracy: Located by supplier to within 10m	A13NE (E)	178	2	527320 318090
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 3 Effective Date: 1st January 2010 Issued Date: 24th September 2009 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status: Revised by Notice, at direction of Secretary of State (Section 37(2))** Positional Accuracy: Located by supplier to within 10m	A13NE (E)	178	2	527320 318090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 2 Effective Date: 18th September 1989 Issued Date: 18th September 1989 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Revised by Notice, at direction of Secretary of State (Section 37(2))** Positional Accuracy: Located by supplier to within 10m	A13NE (E)	178	2	527320 318090
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 1 Effective Date: 22nd March 1988 Issued Date: 22nd March 1988 Revocation Date: 17th September 1989 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A13NE (E)	178	2	527320 318090
1	**Discharge Consents** Operator: Anglian Water Services Ltd Property Type: Not Given Location: Chapel Road, MOULTON Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: AW5NF/584 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 9th August 1972 Revocation Date: Not Supplied Discharge Type: Sewerage Emergency Discharge Discharge Environment: Freshwater Stream/River Receiving Water: Fen Drain **Status:** **Not Supplied** Positional Accuracy: Located by supplier to within 100m	A13NE (E)	178	2	527320 318090
2	**Discharge Consents** Operator: Lucksbridge Horticulture Limited Property Type: Domestic Property (Single) Location: Broadgate Drove, Moulton Chapel, Lincolnshire, Pe12 0xu Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Npswqd007777 Permit Version: 1 Effective Date: 6th May 2009 Issued Date: 6th May 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Wheat Mere 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	A14SW (SE)	389	2	527493 317867

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Nicholas John Atkin Property Type: Arable Farming Location: Beech Tree Farm 62 Broadgate, Weston Hills, Spalding, Lincs, Pe12 6dq Authority: Environment Agency, Anglian Region Catchment Area: Catchment 29 Unknown Detail Reference: Gwnlf40108 Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 4th July 2000 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Agricultural And Surface Discharge Environment: Groundwater Receiving Water: Groundwater **Status:** **Deemed Groundwater Regulations Authorisation** Positional Accuracy: Manually corrected supplier location	A19SW (NE)	558	2	527500 318500
3	**Discharge Consents** Operator: Nicholas John Atkin Property Type: Arable Farming Location: Beech Tree Farm 62 Broadgate, Weston Hills, Spalding, Lincs, Pe12 6dq Authority: Environment Agency, Anglian Region Catchment Area: Catchment 29 Unknown Detail Reference: Gwnlf40108 Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 4th July 2000 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Agricultural And Surface Discharge Environment: Onto Land Receiving Water: Groundwater **Status:** **Deemed Groundwater Regulations Authorisation** Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	558	2	527500 318500
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 6 Effective Date: 21st September 2015 Issued Date: 21st September 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	608	2	526640 317640
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 5 Effective Date: 1st January 2011 Issued Date: 31st March 2010 Revocation Date: 20th September 2015 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Revised by Notice, at direction of Secretary of State (Section 37(2))** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	608	2	526640 317640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 4 Effective Date: 31st March 2010 Issued Date: 31st March 2010 Revocation Date: 31st December 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Revised by Notice, at direction of Secretary of State (Section 37(2))** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	608	2	526640 317640
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 3 Effective Date: 1st January 2010 Issued Date: 24th September 2009 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Revised by Notice, at direction of Secretary of State (Section 37(2))** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	608	2	526640 317640
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 2 Effective Date: 18th September 1989 Issued Date: 18th September 1989 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Revised by Notice, at direction of Secretary of State (Section 37(2))** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	608	2	526640 317640
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 1 Effective Date: 22nd March 1988 Issued Date: 22nd March 1988 Revocation Date: 17th September 1989 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	608	2	526640 317640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Anglian Water Services Ltd Property Type: Not Given Location: Back Gate Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: AW5NF/584 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 9th August 1972 Revocation Date: Not Supplied Discharge Type: Sewerage Emergency Discharge Discharge Environment: Freshwater Stream/River Receiving Water: Fen Drain **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	608	2	526640 317640
5	**Discharge Consents** Operator: Mr & Mrs R W Bradshaw Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Land Off Mill Drove Cowbit, Spalding, Lincs Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Prnnf09968 Permit Version: 1 Effective Date: 27th August 1996 Issued Date: 27th August 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Wheatmere Drain **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	663	2	526700 318600
6	**Discharge Consents** Operator: Turners Turkeys Ltd Property Type: Not Supplied Location: Mill Drove Cowbit, Spalding, Lincs Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prnlf03334 Permit Version: 1 Effective Date: 7th August 1990 Issued Date: 7th August 1990 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Not Supplied Receiving Water: Not Supplied **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	664	2	526630 318540
7	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 6 Effective Date: 21st September 2015 Issued Date: 21st September 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	747	2	526380 318270

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 5 Effective Date: 1st January 2011 Issued Date: 31st March 2010 Revocation Date: 20th September 2015 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Revised by Notice, at direction of Secretary of State (Section 37(2))** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	747	2	526380 318270
7	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 4 Effective Date: 31st March 2010 Issued Date: 31st March 2010 Revocation Date: 31st December 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Revised by Notice, at direction of Secretary of State (Section 37(2))** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	747	2	526380 318270
7	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 3 Effective Date: 1st January 2010 Issued Date: 24th September 2009 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Revised by Notice, at direction of Secretary of State (Section 37(2))** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	747	2	526380 318270
7	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 2 Effective Date: 18th September 1989 Issued Date: 18th September 1989 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Revised by Notice, at direction of Secretary of State (Section 37(2))** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	747	2	526380 318270

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cowbit Stw, Cowbit, Spalding, Broadgate, Bgate Weston, Pe12 0xw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf807 Permit Version: 1 Effective Date: 22nd March 1988 Issued Date: 22nd March 1988 Revocation Date: 17th September 1989 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drn River Nene N **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	747	2	526380 318270
7	**Discharge Consents** Operator: Anglian Water Services Ltd Property Type: Not Given Location: Mill Drove Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: AW5NF/584 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 9th August 1972 Revocation Date: Not Supplied Discharge Type: Sewerage Emergency Discharge Discharge Environment: Freshwater Stream/River Receiving Water: Fen Drain **Status:** **Not Supplied** Positional Accuracy: Located by supplier to within 100m	A12NW (W)	747	2	526380 318270
8	**Discharge Consents** Operator: Mr & Mrs R Biggs Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Footes Drove, Weston Hills, Spalding, Pe12 0xe Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prnnf09613 Permit Version: 1 Effective Date: 23rd December 1993 Issued Date: 23rd December 1993 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Delgate Drain **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	906	2	528050 318000
9	**Integrated Pollution Prevention And Control** Name: Bernard Matthews Foods Limited Location: Cowbit Farm Poultry Unit, Cowbit Farm, Mill Drove,Cowbit,, Spalding, Lincolnshire, PE12 6AS Authority: Environment Agency, Anglian Region Permit Reference: VP3737DC Original Permit Ref: Vp3737dc Effective Date: 22nd December 2016 **Status:** **Superseded By Variation** Application Type: Transfer App. Sub Type: Whole with Fit and Proper Person Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	A18SW (NW)	660	2	526806 318661

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Integrated Pollution Prevention And Control** Name: Bernard Matthews Limited Location: Mill Drove Poultry Unit, Mill Drove, Cowbit,,, SPALDING, Lincolnshire, PE12 6AS Authority: Environment Agency, Anglian Region Permit Reference: BT4745IL Original Permit Ref: Bt4745il Effective Date: 1st August 2007 **Status:** **Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A18SW (NW)	662	2	526805 318663
9	**Integrated Pollution Prevention And Control** Name: Bernard Matthews Limited Location: Mill Drove Poultry Unit, Mill Drove Poultry Unit, Mill Drove,Cowbit,, Spalding, Lincolnshire, PE12 6AS Authority: Environment Agency, Anglian Region Permit Reference: FP3636HD Original Permit Ref: Bt4745il Effective Date: 10th November 2011 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Located by supplier to within 100m Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A18SW (NW)	697	2	526800 318700
10	**Integrated Pollution Prevention And Control** Name: Hook 2 Sisters Limited Location: Cowbit Farm Poultry Unit - Epr/Kp3132yp, Cowbit Farm, Mill Drove,Cowbit,, Spalding, Lincolnshire, PE12 6AS Authority: Environment Agency, Anglian Region Permit Reference: KP3132YP Original Permit Ref: Kp3132yp Effective Date: 14th June 2017 **Status:** **Effective** Application Type: Transfer App. Sub Type: Whole without Fit and Proper Person Positional Accuracy: Located by supplier to within 10m Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A17SE (NW)	768	2	526620 318670
10	**Integrated Pollution Prevention And Control** Name: Bernard Matthews Foods Limited Location: Cowbit Farm Poultry Unit, Cowbit Farm, Mill Drove,Cowbit,, Spalding, Lincolnshire, PE12 6AS Authority: Environment Agency, Anglian Region Permit Reference: RP3339YB Original Permit Ref: Vp3737dc Effective Date: 30th March 2017 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A17SE (NW)	768	2	526620 318670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Integrated Pollution Prevention And Control** Name: Bernard Matthews Foods Limited Location: Cowbit Farm Poultry Unit, Cowbit Farm, Mill Drove,Cowbit,, Spalding, Lincolnshire, PE12 6AS Authority: Environment Agency, Anglian Region Permit Reference: NP3639RD Original Permit Ref: Bt4745il Effective Date: 23rd November 2015 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	A17SE (NW)	768	2	526620 318670
10	**Integrated Pollution Prevention And Control** Name: Bernard Matthews Foods Limited Location: Cowbit Farm Poultry Unit, Cowbit Farm, Mill Drove,Cowbit,, Spalding, Lincolnshire, PE12 6AS Authority: Environment Agency, Anglian Region Permit Reference: NP3638VJ Original Permit Ref: Bt4745il Effective Date: 3rd June 2014 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A17SE (NW)	768	2	526620 318670
10	**Integrated Pollution Prevention And Control** Name: Bernard Matthews Limited Location: Mill Drove Poultry Unit, Mill Drove Poultry Unit, Mill Drove,Cowbit,, Spalding, Lincolnshire, PE12 6AS Authority: Environment Agency, Anglian Region Permit Reference: EP3835KP Original Permit Ref: Bt4745il Effective Date: 4th December 2009 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A17SE (NW)	775	2	526599 318662
	Nearest Surface Water Feature	A13NE (NE)	0	-	527143 318067
11	**Pollution Incidents to Controlled Waters** Property Type: Waste Handling Facilities Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Oils - Other Oil Note: Clowacre Drain Incident Date: 2nd December 1997 Incident Reference: 2564 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	869	2	526500 318700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Water Abstractions** Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Wheatmere Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A13NW (W)	202	2	526900 318100
13	**Water Abstractions** Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Wheatmere Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A18SW (N)	441	2	527000 318500
14	**Water Abstractions** Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Parsons Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A12NE (W)	614	2	526500 318200
15	**Water Abstractions** Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Farm Drain (Off Mill Drove), COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A17SE (NW)	656	2	526600 318495

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Water Abstractions** Operator: M/S A H Clark Farms Ltd Licence Number: 5/32/11/*s/052c Permit Version: Not Supplied Location: Drain , MOULTON MERE Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 4 Yearly Rate (m3): 818300 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	A14SE (E)	698	2	527800 317800
17	**Water Abstractions** Operator: J W E Banks Ltd Licence Number: 5/31/14/*S/0263 Permit Version: 1 Location: Wheatmere Drain 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: Not Supplied Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 28th February 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SW (S)	835	2	527000 317210
18	**Water Abstractions** Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Delgate Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A9NE (SE)	962	2	528000 317600
19	**Water Abstractions** Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Delgate Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A9NE (SE)	990	2	527900 317400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Delgate Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A9SE (SE)	1129	2	527900 317200
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Pump Hole Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A16SE (NW)	1181	2	526100 318700
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Delgate Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A9SE (SE)	1206	2	527900 317100
	Water Abstractions Operator: F A Drury Farms Ltd Licence Number: 5/31/14/*s/163b Permit Version: Not Supplied Location: Clowacre Drainage System, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 8 Yearly Rate (m3): 4000000 Details: Status: Revoked 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	A11NE (W)	1222	2	525900 318300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Delgate Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A4NE (SE)	1229	2	527800 317000
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Farm Drain (Off Mill Drove), COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A16SE (W)	1273	2	525900 318495
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Parsons Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A22SE (NW)	1327	2	526600 319300
	Water Abstractions Operator: F A Drury Farms Ltd Licence Number: 5/31/14/*s/163a Permit Version: Not Supplied Location: New River, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 12 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A2NE (S)	1335	2	526600 316800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: F A Drury Farms Ltd Licence Number: 5/31/14/*s/163b Permit Version: Not Supplied Location: Clowacre Drainage System, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 8 Yearly Rate (m3): 4000000 Details: Status: Revoked 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	A16SE (NW)	1353	2	525900 318695
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Delgate Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A4NE (SE)	1402	2	527800 316800
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Moulton Mere Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A10NW (SE)	1409	2	528400 317400
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Moulton Mere Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A10NE (E)	1425	2	528500 317600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Moulton Mere Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A10SW (SE)	1489	2	528300 317100
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Moulton Mere Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A10SW (SE)	1510	2	528400 317200
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Moulton Mere Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A5NW (SE)	1554	2	528300 317000
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Moulton Mere Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A5NW (SE)	1628	2	528200 316800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Parsons Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A21SE (NW)	1648	2	525900 319200
	Water Abstractions Operator: F A Drury Farms Ltd Licence Number: 5/31/14/*s/163b Permit Version: Not Supplied Location: Wheatmere Drainage System, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 8 Yearly Rate (m3): 4000000 Details: Status: Revoked 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	A3SW (S)	1651	2	526900 316400
	Water Abstractions Operator: F A Drury Farms Ltd Licence Number: 5/31/14/*s/163a Permit Version: Not Supplied Location: New River At, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 12 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A2SE (S)	1651	2	526500 316500
	Water Abstractions Operator: F A Drury Farms Ltd Licence Number: 5/31/14/*s/163a Permit Version: Not Supplied Location: Bell Row Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 12 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A1NE (SW)	1656	2	526000 316800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: G & R Biggs Licence Number: 5/32/11/*s/110 Permit Version: Not Supplied Location: Pump Hole Drain, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 30 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	A16NW (NW)	1668	2	525600 318800
	Water Abstractions Operator: T R Pick Ltd Licence Number: 5/31/14/*s/161b Permit Version: Not Supplied Location: The New River, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 10 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	(W)	1913	2	525200 318295
	Water Abstractions Operator: F A Drury Farms Ltd Licence Number: 5/31/14/*s/163a Permit Version: Not Supplied Location: New River At, COWBIT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 12 Yearly Rate (m3): 2000000 Details: Status: Revoked 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	(W)	1914	2	525200 318300
	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: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13SW (N)	0	3	527122 318055
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (N)	0	3	527122 318055
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (N)	0	3	527122 318055

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (S)	13	2	527120 318025
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	52	2	527099 318125
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	91	2	527020 318115
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	185	2	526915 318053
	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	A13NE (N)	186	2	527173 318255
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	190	2	526910 318070
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	192	2	527175 318261
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (W)	197	2	526909 317986
	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	A13NE (N)	207	2	527180 318275
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	208	2	527180 318276
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	211	2	526890 318010
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SW (W)	212	2	526890 318004
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (W)	217	2	526884 318010
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	220	2	526880 318018
	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	A13NE (N)	234	2	527192 318300
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	239	2	527195 318305

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A13NE (N)	246	2	527203 318310
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	249	2	527205 318313
	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	A13NW (NW)	97	2	527045 318150
	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	A13NW (N)	109	2	527120 318180
	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	A13SE (SE)	109	2	527206 317949
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	170	2	527118 318241
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	171	2	527110 318241
	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	A13NW (W)	177	2	526925 318100
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	180	2	526938 318151
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 270.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NE (NE)	1	4	527144 318067
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 368.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A13SW (S)	20	4	527110 318018
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (E)	63	4	527207 318034

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 258.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	71	4	527029 318078
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 85.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	72	4	527040 317997
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (E)	133	4	527277 318043
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (E)	138	4	527283 318044
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	146	4	527026 317912
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 110.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	154	4	527052 317892
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	156	4	527024 317903
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	164	4	527023 317894
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (E)	165	4	527309 318051

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	166	4	527019 317893
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 61.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	169	4	527014 317893
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 264.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (S)	179	4	527124 317860
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 231.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A13SW (S)	185	4	527096 317854
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 267.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A13NW (W)	186	4	526919 318114
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 67.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A13NW (W)	186	4	526914 318088
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	186	4	526919 318114
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 403.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NE (E)	187	4	527324 318116
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.5 Watercourse Level: Underground Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A13SW (W)	190	4	526910 318032

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	206	4	526898 318114
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (W)	219	4	526890 317973
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	224	4	527003 317837
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 114.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	227	4	526995 317837
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 39.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (W)	236	4	526879 317956
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	236	4	526868 318115
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 96.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	251	4	526870 317938
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	260	4	526844 318116
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 114.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (N)	262	4	527118 318333

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 106.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (N)	264	4	527069 318333
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 287.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	266	4	526841 318134
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	269	4	526834 318116
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 161.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (W)	272	4	526840 317957
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 42.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	273	4	526847 317936
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 455.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (S)	285	4	527101 317753
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	288	4	526816 318117
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	291	4	526847 317893
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 134.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	291	4	526847 317893

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 208.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	294	4	526810 318118
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 77.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	294	4	526810 318118
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	295	4	526879 317842
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	297	4	526881 317838
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	297	4	526881 317838
64	**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: Nene Primacy: 2	A13SW (SW)	299	4	526881 317835
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	299	4	526877 317838
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 261.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NE (E)	301	4	527441 318112
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 213.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NE (E)	305	4	527447 318101

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 483.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (N)	310	4	527117 318381
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	316	4	526855 317838
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 112.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	320	4	526850 317838
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 195.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	320	4	526850 317838
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (NW)	323	4	526802 318195
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 257.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (NW)	327	4	526801 318202
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 88.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A13NW (NW)	338	4	526961 318378
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 151.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SW (NW)	368	4	526953 318408
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 524.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SW (N)	398	4	527109 318469

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	414	4	526905 317673
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 120.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A18SW (N)	415	4	526975 318466
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 375.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A8NW (S)	416	4	527063 317624
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (S)	416	4	527063 317624
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 63.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (S)	418	4	527044 317625
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (S)	429	4	526981 317626
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (S)	433	4	526966 317627
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	436	4	526902 317650
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (S)	439	4	526947 317627

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 271.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	447	4	526668 318187
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	449	4	526920 317627
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	452	4	526911 317627
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	452	4	526911 317627
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SW (NW)	453	4	526801 318411
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 66.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	454	4	526906 317628
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 89.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (SW)	458	4	526748 317744
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 351.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	462	4	526914 317616
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SW (NW)	463	4	526787 318411

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 249.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	465	4	526928 317606
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 148.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14SW (SE)	474	4	527574 317837
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	478	4	526768 318415
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 78.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	478	4	526768 318415
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 453.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14SW (SE)	478	4	527582 317845
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 162.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NE (SW)	481	4	526778 317680
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 91.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	484	4	526745 318400
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	485	4	526839 317629
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 134.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	508	4	526797 317631

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 151.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NW (E)	523	4	527665 318097
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 387.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clowacre Drain Catchment Name: Nene Primacy: 2	A18SW (N)	526	4	526990 318585
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A18SW (N)	526	4	526990 318585
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 29.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (SW)	534	4	526653 317745
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 88.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	534	4	526590 318230
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 585.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A9NW (SE)	538	4	527550 317686
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	549	4	526551 318090
111	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 779.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19SW (NE)	560	4	527483 318516
112	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 153.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (NW)	564	4	526593 318318

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 123.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (NW)	566	4	526594 318324
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SW (N)	571	4	527002 318633
115	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 312.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A18SW (N)	571	4	527002 318633
116	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 32.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	575	4	526683 318467
117	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 85.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SW (N)	575	4	526991 318635
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 33.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	582	4	526519 318104
119	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 99.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	583	4	526521 318137
120	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 544.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	595	4	526864 317492
121	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 160.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	608	4	526659 318489

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NE (SW)	610	4	526603 317684
123	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 452.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (S)	634	4	527132 317405
124	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 290.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	634	4	526592 318451
125	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 128.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	637	4	526463 318095
126	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	646	4	526476 318238
127	**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: Nene Primacy: 2	A12NE (W)	648	4	526470 318222
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 83.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	650	4	526471 318237
129	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 423.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SW (N)	651	4	526991 318712
130	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 386.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SW (N)	651	4	526991 318712

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 51.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19SW (NE)	662	4	527488 318637
132	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 269.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (S)	664	4	526907 317404
133	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 117.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19SW (NE)	671	4	527700 318444
134	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 111.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	680	4	527821 318113
135	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 102.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19SW (NE)	719	4	527498 318697
136	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 308.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NW (N)	724	4	527017 318789
137	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	726	4	526583 318580
138	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: Underground Permanent: True Watercourse Name: Clowacre Drain Catchment Name: Nene Primacy: 2	A17SE (NW)	728	4	526604 318603
139	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 183.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	738	4	526382 317865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 152.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	738	4	526363 318091
141	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	738	4	526591 318605
142	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 260.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clowacre Drain Catchment Name: Nene Primacy: 2	A17SE (NW)	738	4	526591 318605
143	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	741	4	526379 318243
144	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	745	4	526578 318602
145	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	753	4	526367 318243
146	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 345.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NW (N)	763	4	527025 318830
147	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 179.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	763	4	526337 318081
148	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 169.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	767	4	526528 318582

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
149	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	767	4	526528 318582
150	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	767	4	526530 318584
151	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 140.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19SE (NE)	776	4	527821 318450
152	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 218.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	777	4	526343 318245
153	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	784	4	526947 317269
154	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 53.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NE (SW)	786	4	526628 317409
155	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	791	4	527932 318125
156	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 329.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	791	4	527932 318125
157	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A8SW (S)	791	4	527009 317253

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 58.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	791	4	527009 317253
159	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	797	4	526951 317255
160	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 166.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	798	4	527940 318112
161	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 306.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	798	4	526946 317255
162	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 146.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	808	4	527949 318126
163	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.6 Watercourse Level: Underground Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A8SW (S)	810	4	527006 317234
164	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SW (S)	810	4	527006 317234
165	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 218.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	818	4	527013 317225
166	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 61.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19NW (NE)	818	4	527503 318806

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 43.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	834	4	527002 317211
168	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 87.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NE (SW)	839	4	526538 317415
169	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 199.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	842	4	526457 318615
170	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 232.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A9SW (SE)	847	4	527492 317267
171	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 189.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	855	4	527007 317189
172	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	860	4	526289 317750
173	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 86.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	865	4	526276 317772
174	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 49.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	867	4	526251 317858
175	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 464.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NE (N)	869	4	527138 318940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 137.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wheat Mere Drain Catchment Name: Nene Primacy: 2	A18NW (N)	873	4	527052 318942
177	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 223.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	878	4	526995 317167
178	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	878	4	526995 317167
179	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	879	4	526981 317168
180	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	880	4	526975 317168
181	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19NW (NE)	881	4	527507 318873
182	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	883	4	526951 317169
183	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	886	4	526976 317162
184	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 196.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	889	4	526948 317162

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
185	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 609.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	894	4	526316 318500
186	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 149.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	905	4	526310 318511
187	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 194.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19SE (NE)	910	4	527967 318457
188	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 308.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Delgate Drain Catchment Name: Nene Primacy: 2	A14SE (E)	911	4	528035 317847
189	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: Underground Permanent: True Watercourse Name: Delgate Drain Catchment Name: Nene Primacy: 2	A14SE (E)	913	4	528046 317900
190	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 193.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Delgate Drain Catchment Name: Nene Primacy: 2	A14SE (E)	913	4	528048 317910
191	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	921	4	526199 317844
192	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 136.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	934	4	526182 317860
193	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 152.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	934	4	526182 317860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
194	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 66.7 Watercourse Level: Underground Permanent: True Watercourse Name: Clowacre Drain Catchment Name: Nene Primacy: 2	A17SW (NW)	935	4	526406 318698
195	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 452.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A9NE (E)	939	4	528024 317711
196	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Delgate Drain Catchment Name: Nene Primacy: 2	A14NE (E)	945	4	528088 318100
197	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 608.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Delgate Drain Catchment Name: Nene Primacy: 2	A9NE (SE)	947	4	527982 317598
198	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: Underground Permanent: True Watercourse Name: Delgate Drain Catchment Name: Nene Primacy: 2	A14NE (E)	953	4	528094 318127
199	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 400.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	954	4	526395 318714
200	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 421.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Delgate Drain Catchment Name: Nene Primacy: 2	A14NE (E)	955	4	528095 318139
201	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 181.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A9SW (SE)	957	4	527731 317284
202	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	963	4	526137 318005

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
203	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 128.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	969	4	526963 317080
204	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 461.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	970	4	528111 318128
205	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 280.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	982	4	526365 318722
206	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 140.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clowacre Drain Catchment Name: Nene Primacy: 2	A17SW (NW)	989	4	526340 318704
207	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 189.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	992	4	526125 318256
208	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 155.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	992	4	526125 318256
209	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 397.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A15SW (E)	995	4	528136 317959
210	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 54.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NW (SW)	996	4	526197 317617
211	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 238.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NW (SW)	998	4	526189 317630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
212	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 56.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NW (SW)	1000	4	526188 317628

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: South Holland District Council - Has no landfill data to supply		0	6	527122 318055
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	5	527122 318055

Hazardous Substances

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
213	**Notification of Installations Handling Hazardous Substances (NIHHS)** Name: Turners Turkeys Limited Location: Mill Drove, Cow Bit, SPALDING, Lincolnshire, PE12 6AS **Status: Not Active** Positional Accuracy: Automatically positioned to postcode unit of the address	A17SE (NW)	611	7	526616 318444
214	**Planning Hazardous Substance Consents** Name: Turner'S Turkeys Ltd Location: Mill Drove, Cowbit, Spalding, PE12 6 Authority: South Holland District Council Application Ref: H01/0818/96 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 36 Application date: 30th August 1996 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	769	8	526600 318655

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Kellaways Formation And Oxford Clay Formation (Undifferentiated)	A13SW (N)	0	1	527122 318055
	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	A13SW (N)	0	1	527122 318055
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	527122 318055
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	527122 318055
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	527122 318055
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	527122 318055
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	527122 318055
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	527122 318055
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	527122 318055

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
215	**Contemporary Trade Directory Entries** Name: Michaels Transport Location: 50, Moulton Chapel Road, Moulton Chapel, Spalding, Lincolnshire, PE12 0XD Classification: Road Haulage Services **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	23	-	527077 318061
215	**Contemporary Trade Directory Entries** Name: M & D Traction Location: Moulton Chapel Rd, Moulton Chapel, Spalding, Lincolnshire, PE12 0XD Classification: Road Haulage Services **Status:** **Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	56	-	527044 318034
216	**Contemporary Trade Directory Entries** Name: Derek Clarkson Location: 105, Moulton Chapel Road, Moulton Chapel, Spalding, Lincolnshire, PE12 0XB Classification: Garage Services **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	324	-	527467 318068
217	**Contemporary Trade Directory Entries** Name: Crowland Pallets 2009 Ltd Location: 19, Mill Drove South, Cowbit, Spalding, Lincolnshire, PE12 6FS Classification: Pallets, Crates & Packing Cases **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A12NE (W)	498	-	526612 318174
218	**Contemporary Trade Directory Entries** Name: Mark Green Location: 4, Milfoil Lane, Cowbit, Spalding, Lincolnshire, PE12 6XF Classification: Boilers - Servicing, Replacements & Repairs **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	835	-	526431 317539
219	**Contemporary Trade Directory Entries** Name: Remedial Treatments Location: 87, Backgate, Cowbit, Spalding, Lincolnshire, PE12 6AP Classification: Damp & Dry Rot Control **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	946	-	526533 317281
220	**Contemporary Trade Directory Entries** Name: Baytree Car Sales Trade Centre Location: 194, Barrier Bank, Cowbit, Spalding, Lincolnshire, PE12 6AL Classification: Car Dealers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	966	-	526351 317428
221	**Fuel Station Entries** Name: Five Wind Filling Station Location: Barrier Bank , Cowbit , Spalding, Lincolnshire, PE12 6A Brand: Obsolete Premises Type: Not Applicable **Status:** **Obsolete** Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	965	-	526350 317430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
222	**Nitrate Vulnerable Zones** Name: River Welland Nvz Description: Surface Water Source: Environment Agency, Head Office	A7NW (SW)	971	3	526275 317525

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices South Holland District Council - Environmental Services	October 2013	Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	July 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	July 2019	Quarterly
Local Authority Integrated Pollution Prevention And Control South Holland District Council - Environmental Services	October 2014	Variable
Local Authority Pollution Prevention and Controls South Holland District Council - Environmental Services	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements South Holland District Council - Environmental Services	October 2014	Variable
Nearest Surface Water Feature Ordnance Survey	January 2019	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Anglian Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	July 2019	Quarterly
Water Abstractions Environment Agency - Anglian Region	July 2019	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	Annually
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	July 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2019	Quarterly

Data Currency

Agency & Hydrological	Version	Update Cycle
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	August 2019	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	August 2019	Quarterly
Flood Defences		
Environment Agency - Head Office	August 2019	Quarterly
OS Water Network Lines		
Ordnance Survey	April 2019	Quarterly
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	July 2019	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Northern Area	July 2018	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Anglian Region - Northern Area	July 2019	Quarterly
Local Authority Landfill Coverage		
Lincolnshire County Council	May 2000	Not Applicable
South Holland District Council - Environmental Services	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Lincolnshire County Council	May 2000	Not Applicable
South Holland District Council - Environmental Services	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
South Holland District Council	January 2016	Variable
Lincolnshire County Council - Highways and Planning Department	June 2010	Variable
Planning Hazardous Substance Consents		
Lincolnshire County Council - Highways and Planning Department	August 2007	Variable
South Holland District Council	January 2016	Variable

Data Currency

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	September 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Underground Electrical Cables National Grid	December 2015	

Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	June 2019	Bi-Annually
Special Protection Areas Natural England	April 2019	Bi-Annually

Data Suppliers

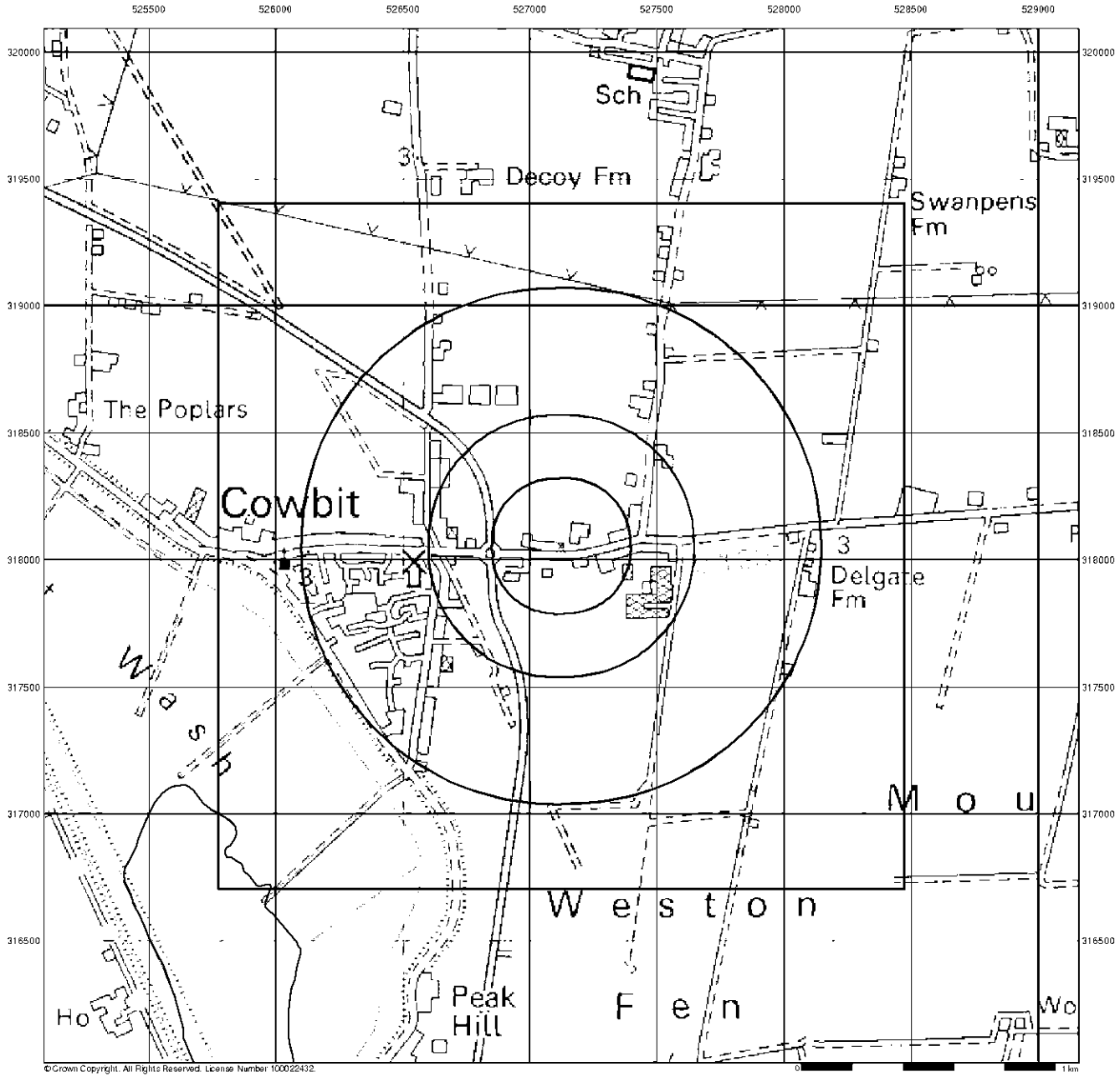
A selection of organisations who provide data within this report

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	
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**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	**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
6	**South Holland District Council - Environmental Services** Council Offices, Priory Road, Spalding, Lincolnshire, PE11 2XE	Website: www.sholland.gov.uk
7	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	**South Holland District Council** Council Offices, Priory Road, Spalding, Lincolnshire, PE11 2XE	Telephone: 01775 761161 Fax: 01775 710772 Website: www.sholland.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** 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.



GeoSmart Information

Environmental Thinking

Groundwater Vulnerability

General

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

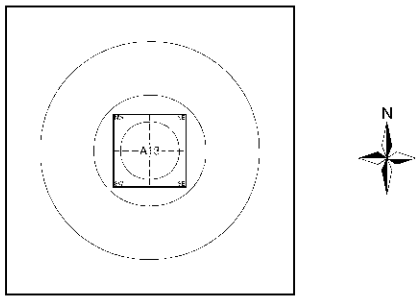
Agency and Hydrological

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 A



Order Details

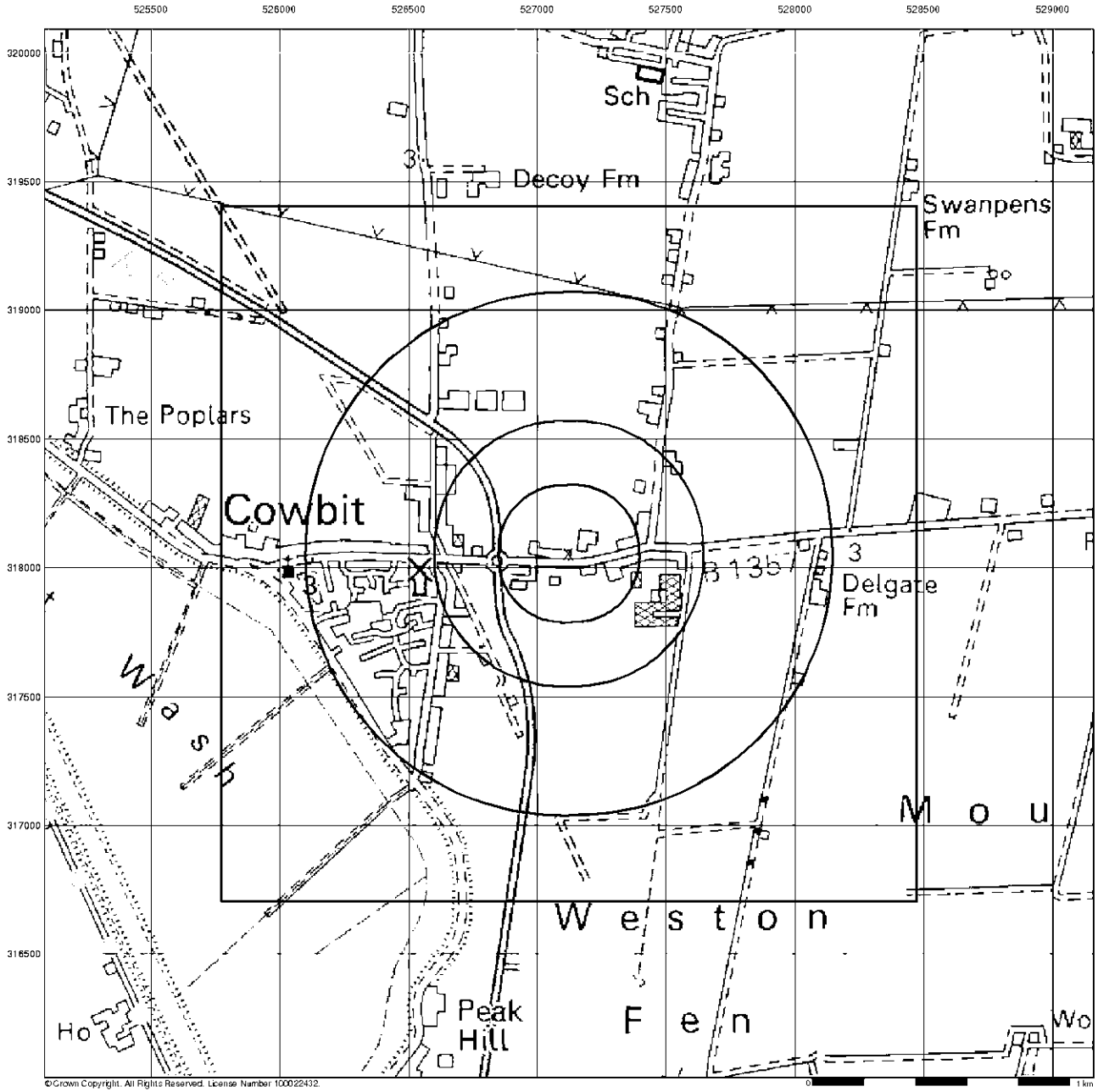
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Customer Ref:	72234
National Grid Reference:	527120, 318050
Slice:	A
Site Area (Ha):	0.15
Search Buffer (m):	1000

Site Details

Land adj. to No. 50, Moulton Chapel Road, Moulton Chapel, SPALDING, PE12 0XD

Landmark INFORMATION GROUP

Tel. 0844 844 9952
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GeoSmart Information

Environmental Thinking

Bedrock Aquifer Designation

General

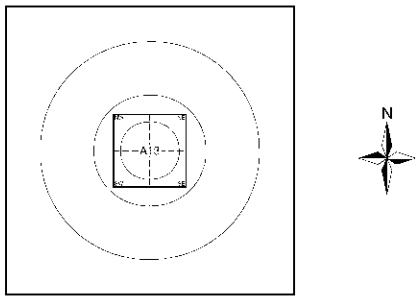
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

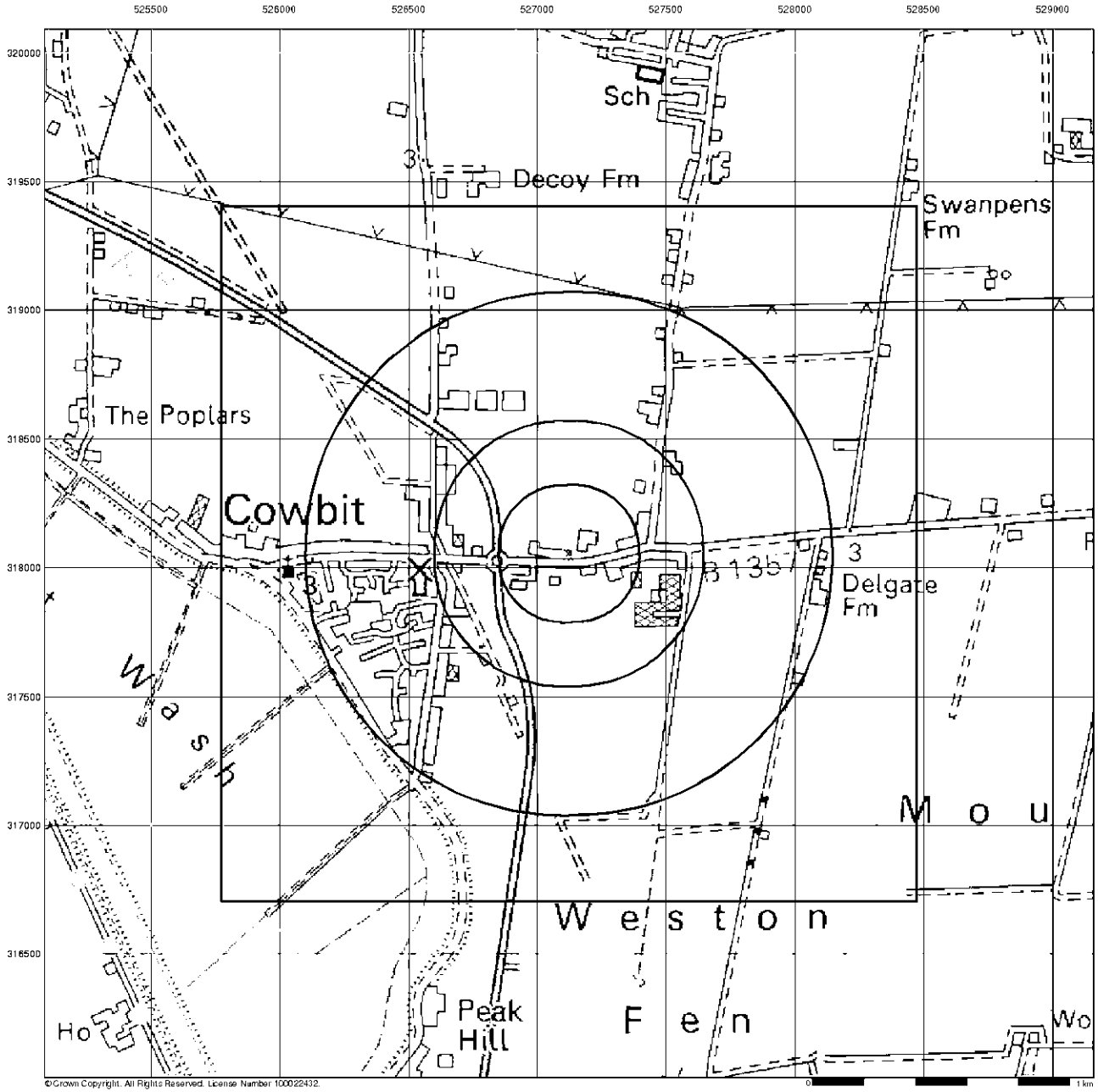


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Search Buffer (m):	1000

Site Details

Land adj. to No. 50, Moulton Chapel Road, Moulton Chapel, SPALDING, PE12 0XD



GeoSmart Information

Environmental Thinking

Superficial Aquifer Designation

General

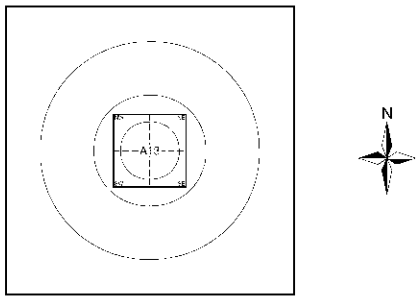
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

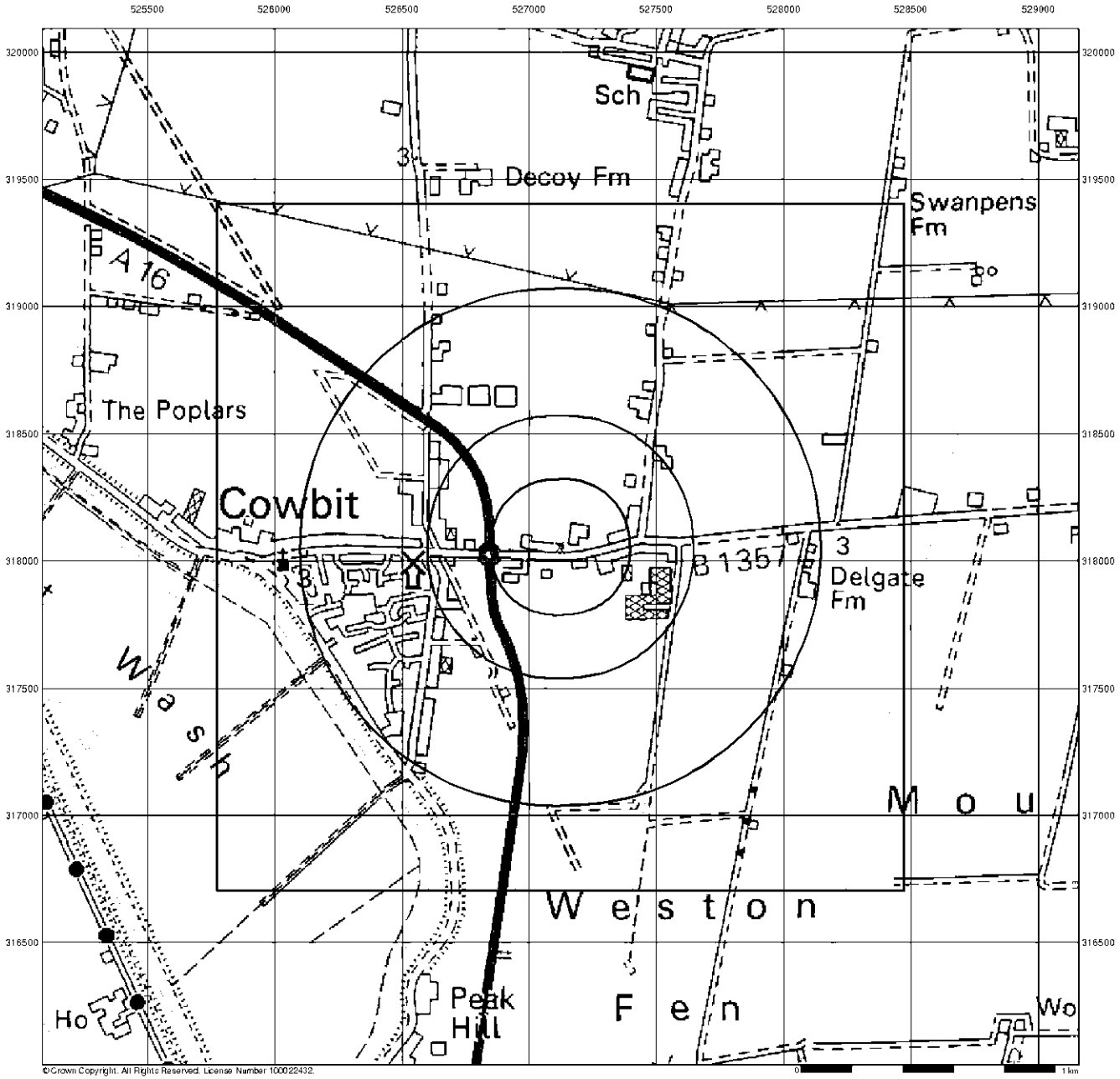
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Landmark Information Group

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GeoSmart Information

Environmental Thinking

Source Protection Zones

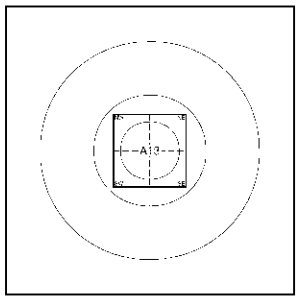
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

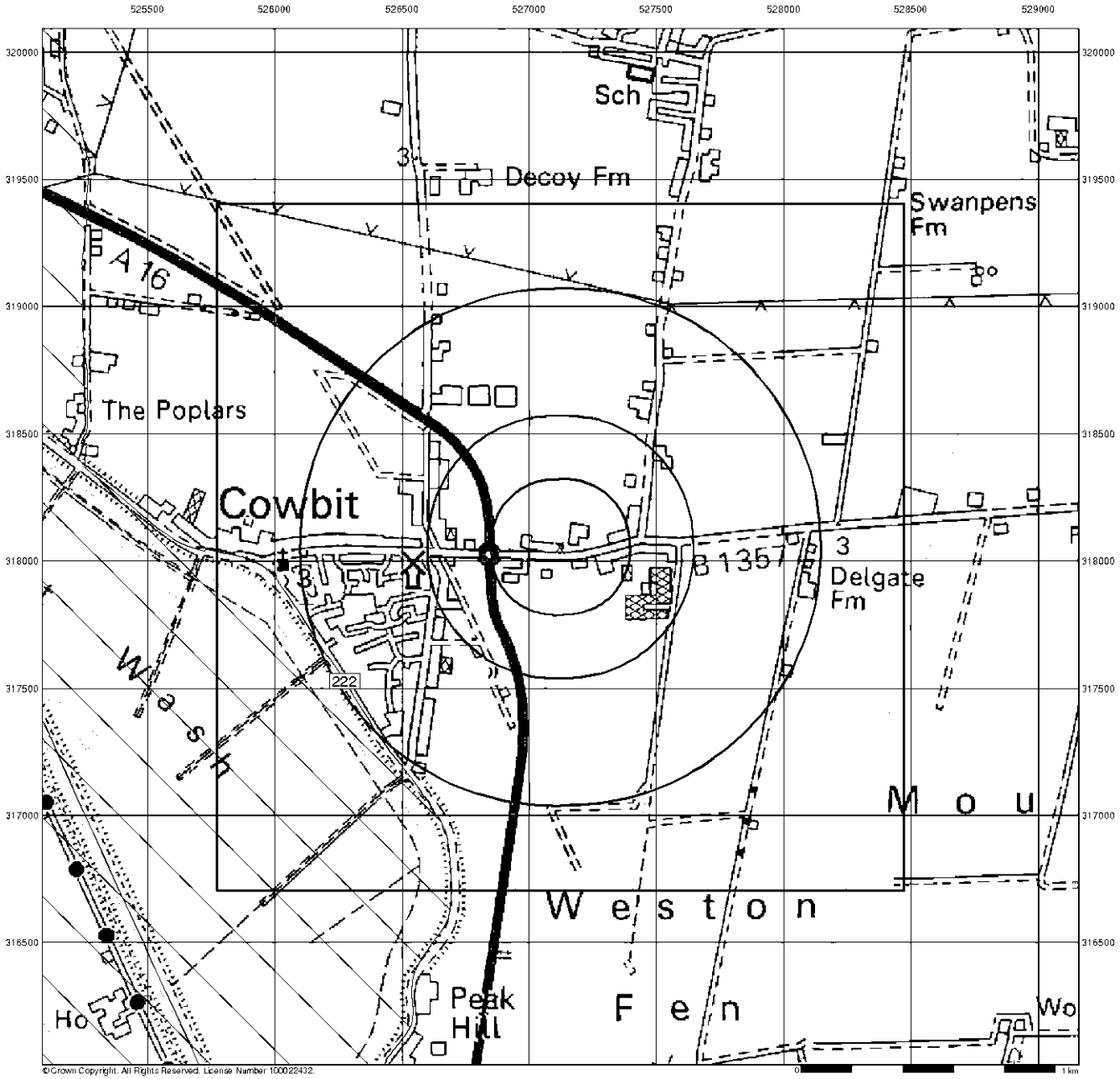
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GeoSmart Information

Environmental Thinking

Sensitive Land Uses

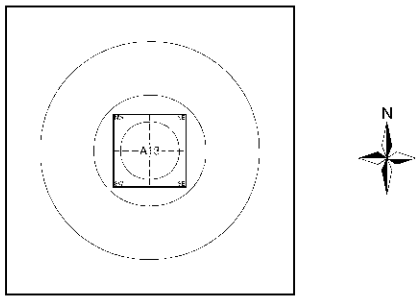
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

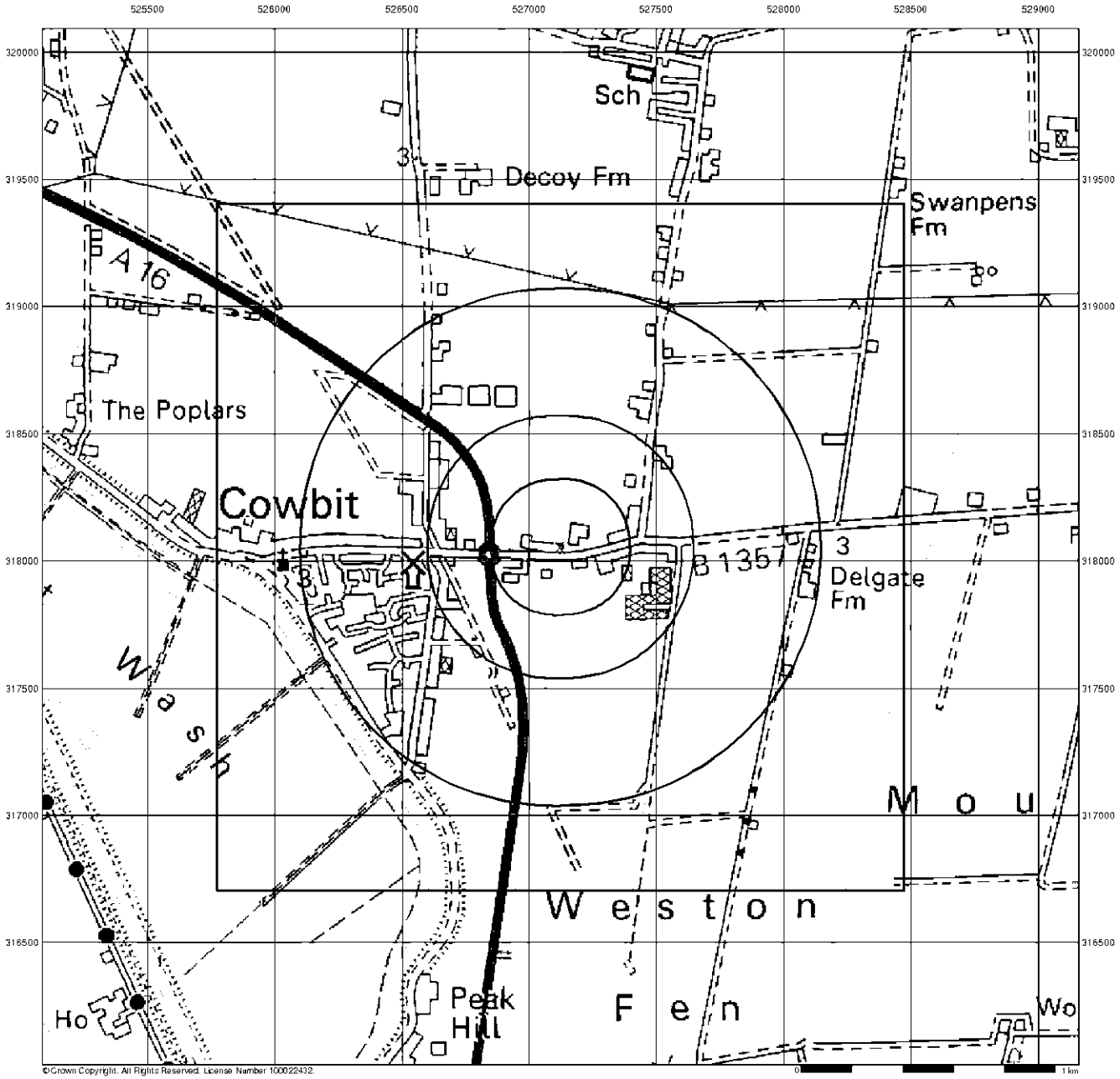
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Slice:	A
Site Area (Ha):	0.15
Search Buffer (m):	1000

Site Details

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GeoSmart Information

Environmental Thinking

BGS Flood GFS Data

General

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

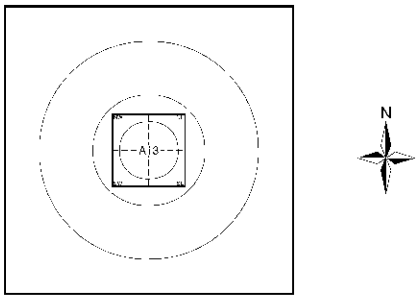
Agency and Hydrological (Flood)

Limited Potential for Groundwater Flooding to Occur

Potential for Groundwater Flooding of Property Situated Below Ground Level

Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

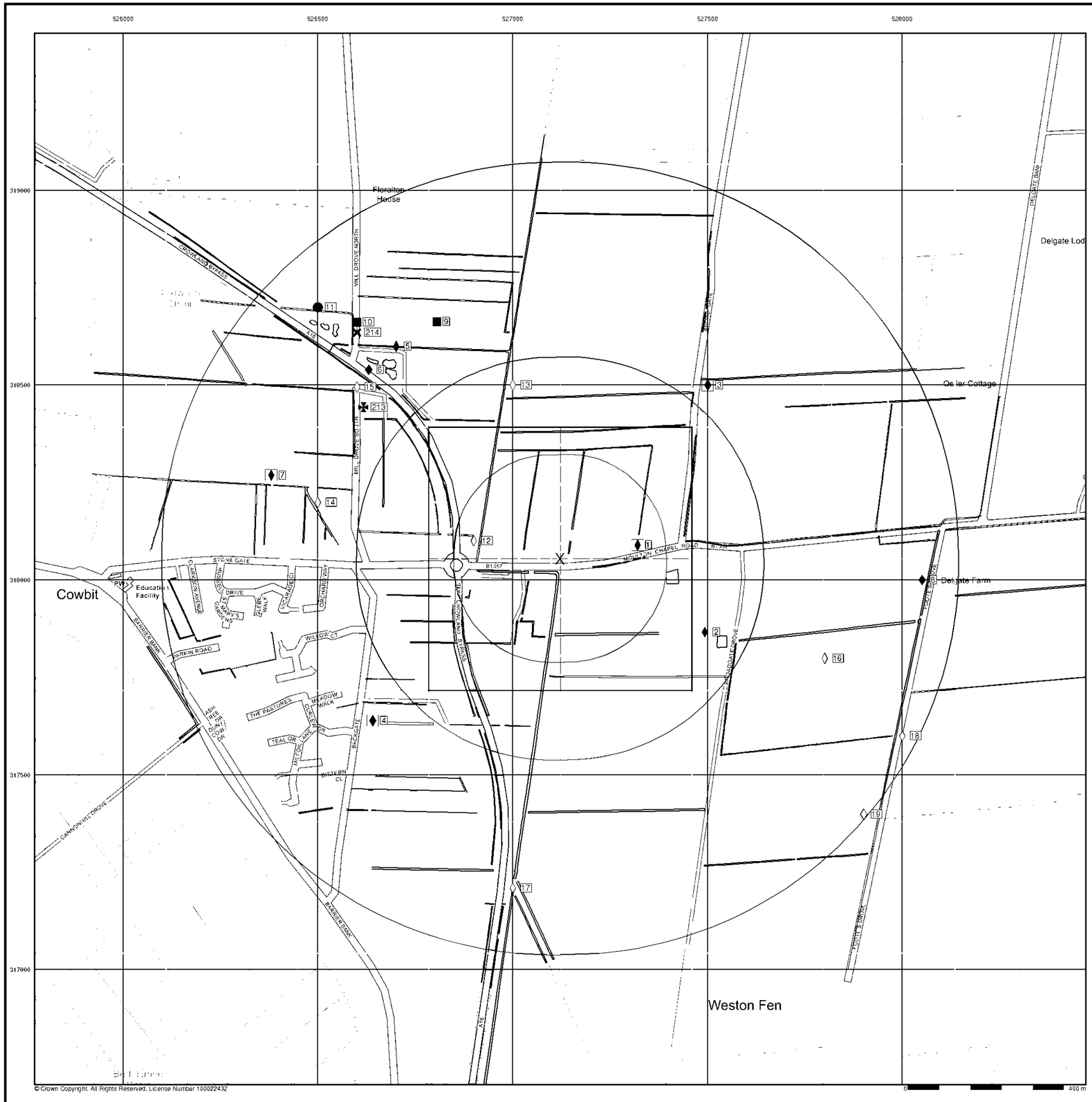
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Search Buffer (m):	1000

Site Details

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GeoSmart Information

Environmental Thinking

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

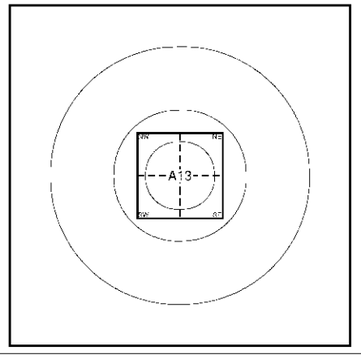
Waste

- 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

Hazardous Substances

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

Site Sensitivity Map - Slice A



Order Details

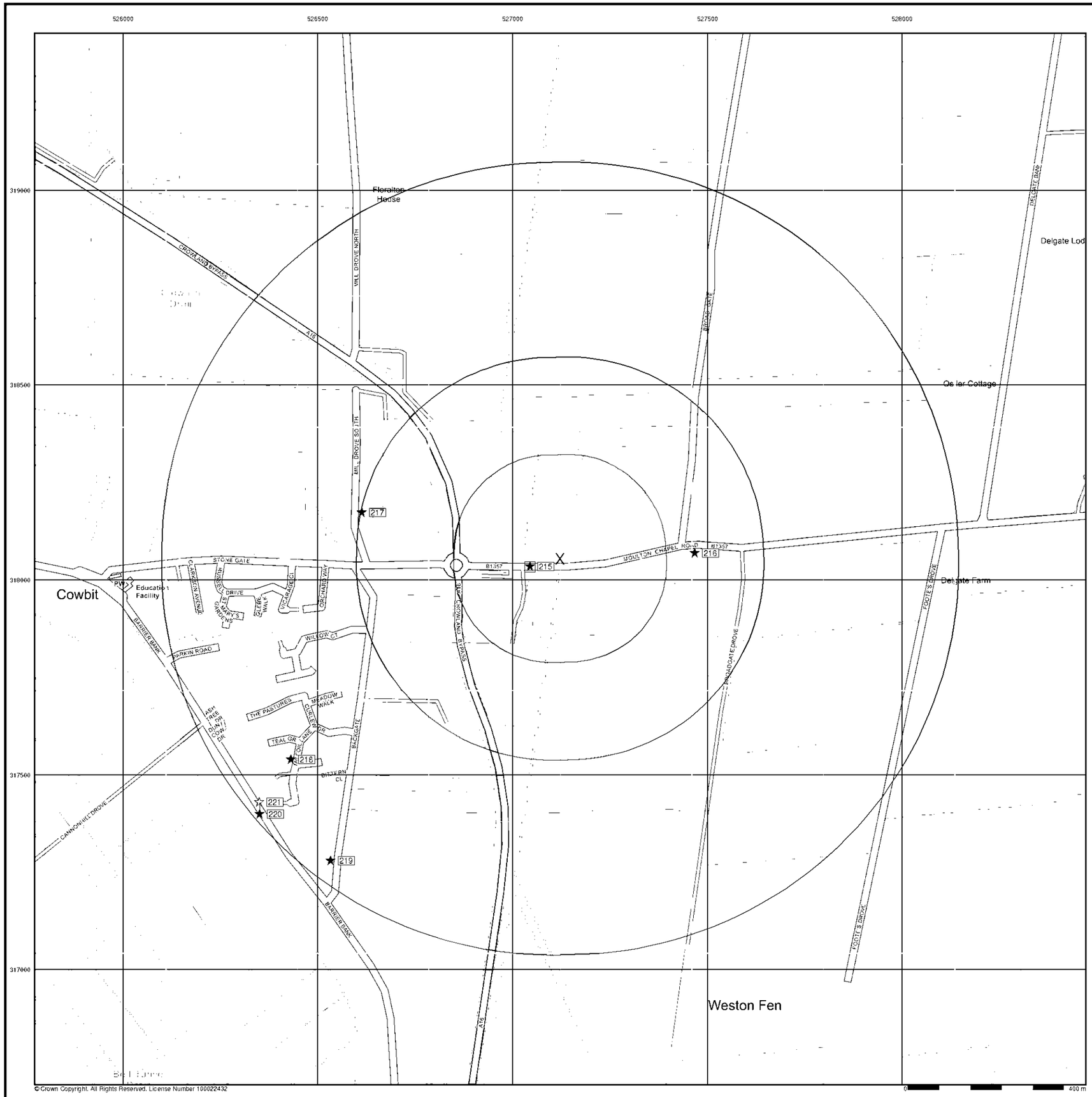
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Customer Ref:	72234
National Grid Reference:	527120, 318050
Slice:	A
Site Area (Ha):	0.15
Search Buffer (m):	1000

Site Details

Land adj. to No. 50, Moulton Chapel Road, Moulton Chapel, SPALDING, PE12 0XD

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GeoSmart Information
Environmental Thinking

Industrial Land Use Map

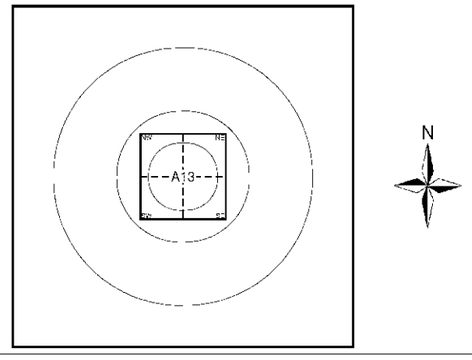
General

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 A



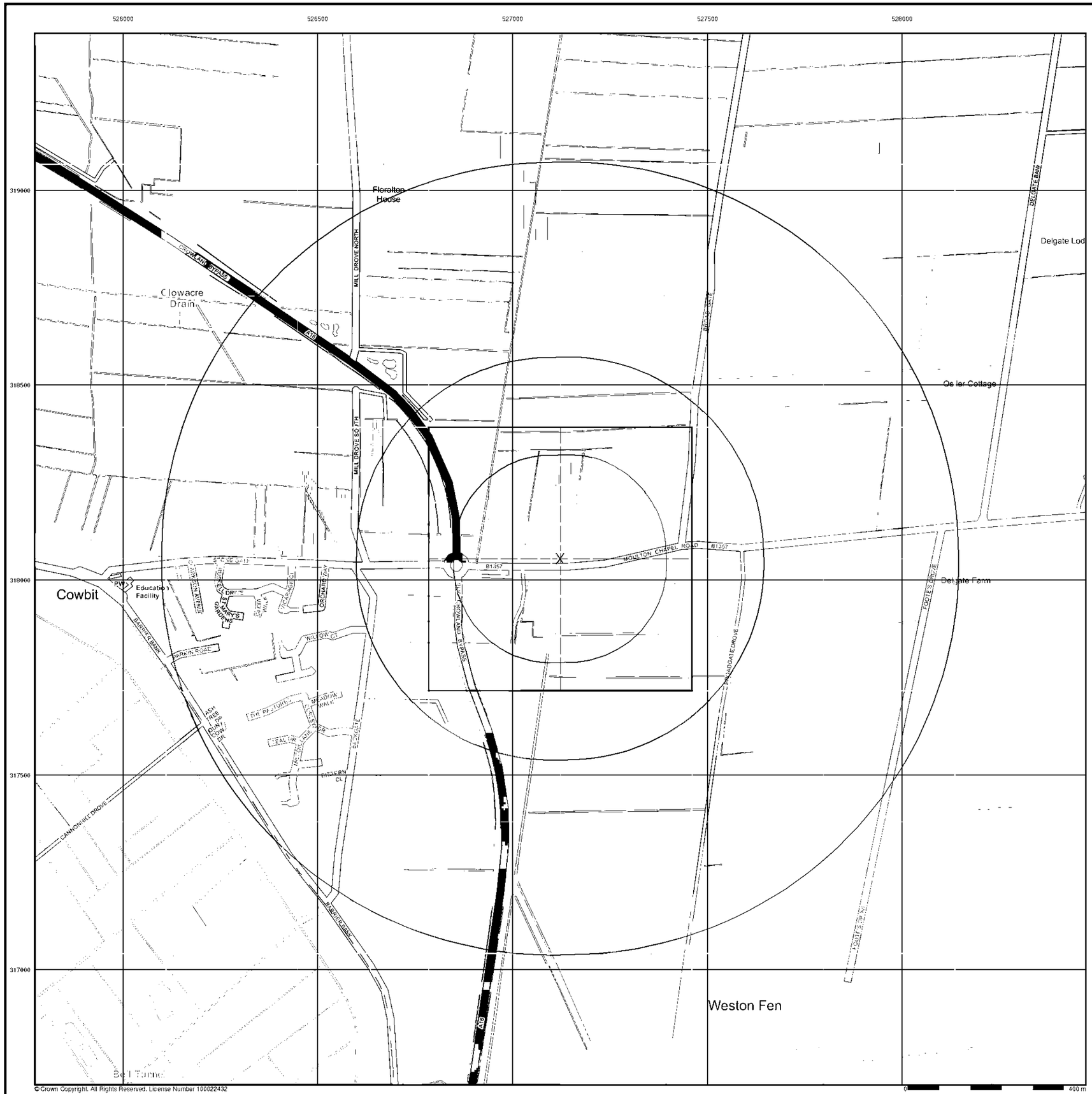
Order Details

Order Number:	219888709_1_1
Customer Ref:	72234
National Grid Reference:	527120, 318050
Slice:	A
Site Area (Ha):	0.15
Search Buffer (m):	1000

Site Details

Land adj. to No. 50, Moulton Chapel Road, Moulton Chapel, SPALDING, PE12 0XD

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



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GeoSmart Information

Environmental Thinking

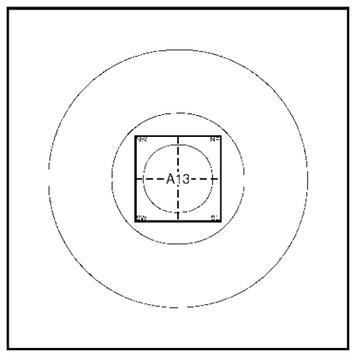
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

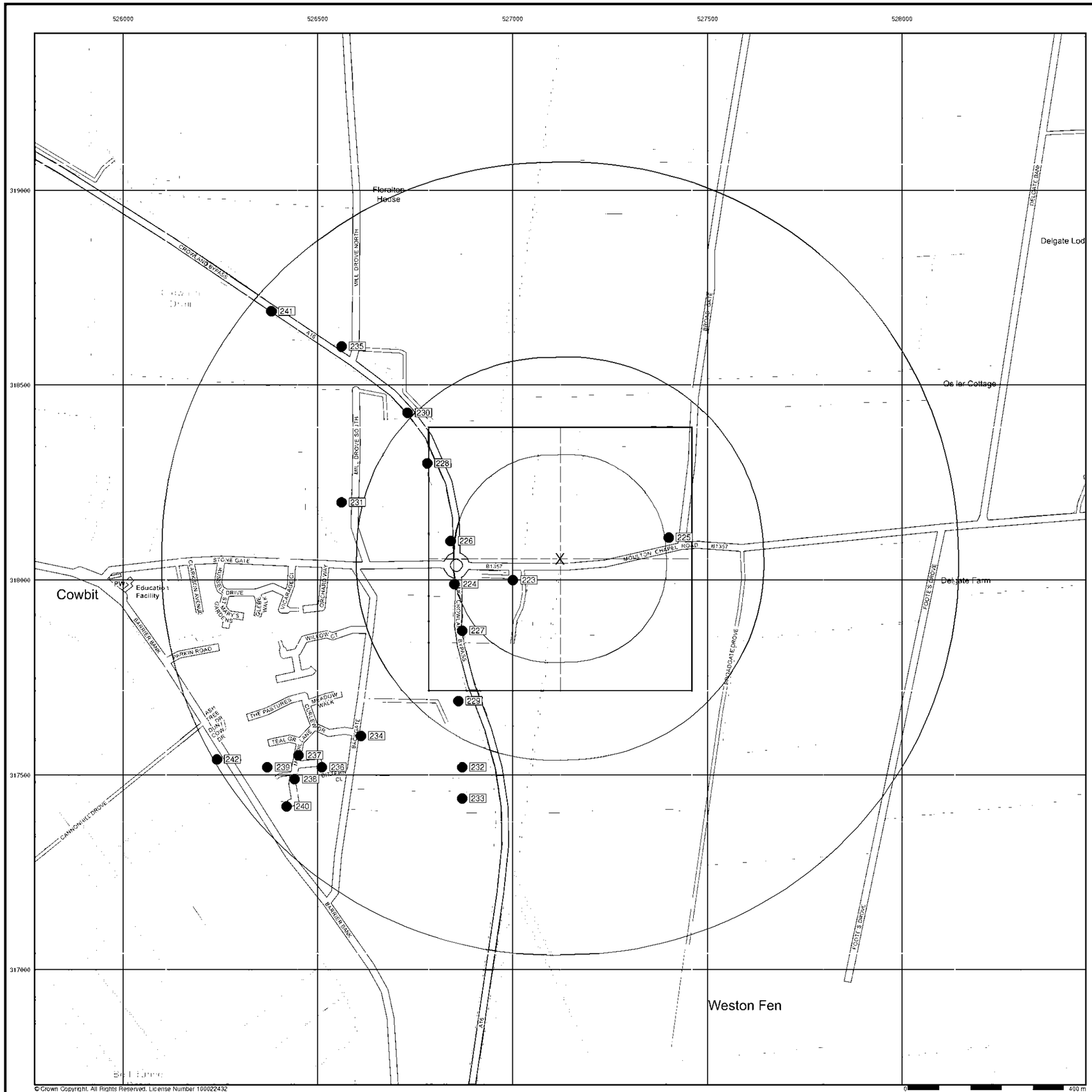
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Environmental Thinking

General

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

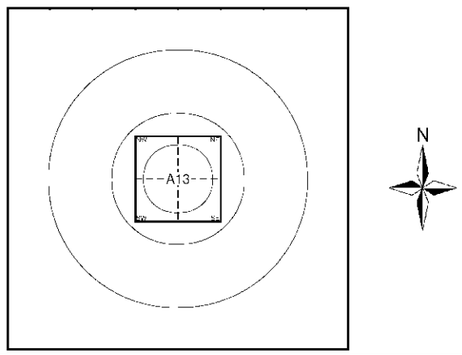
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



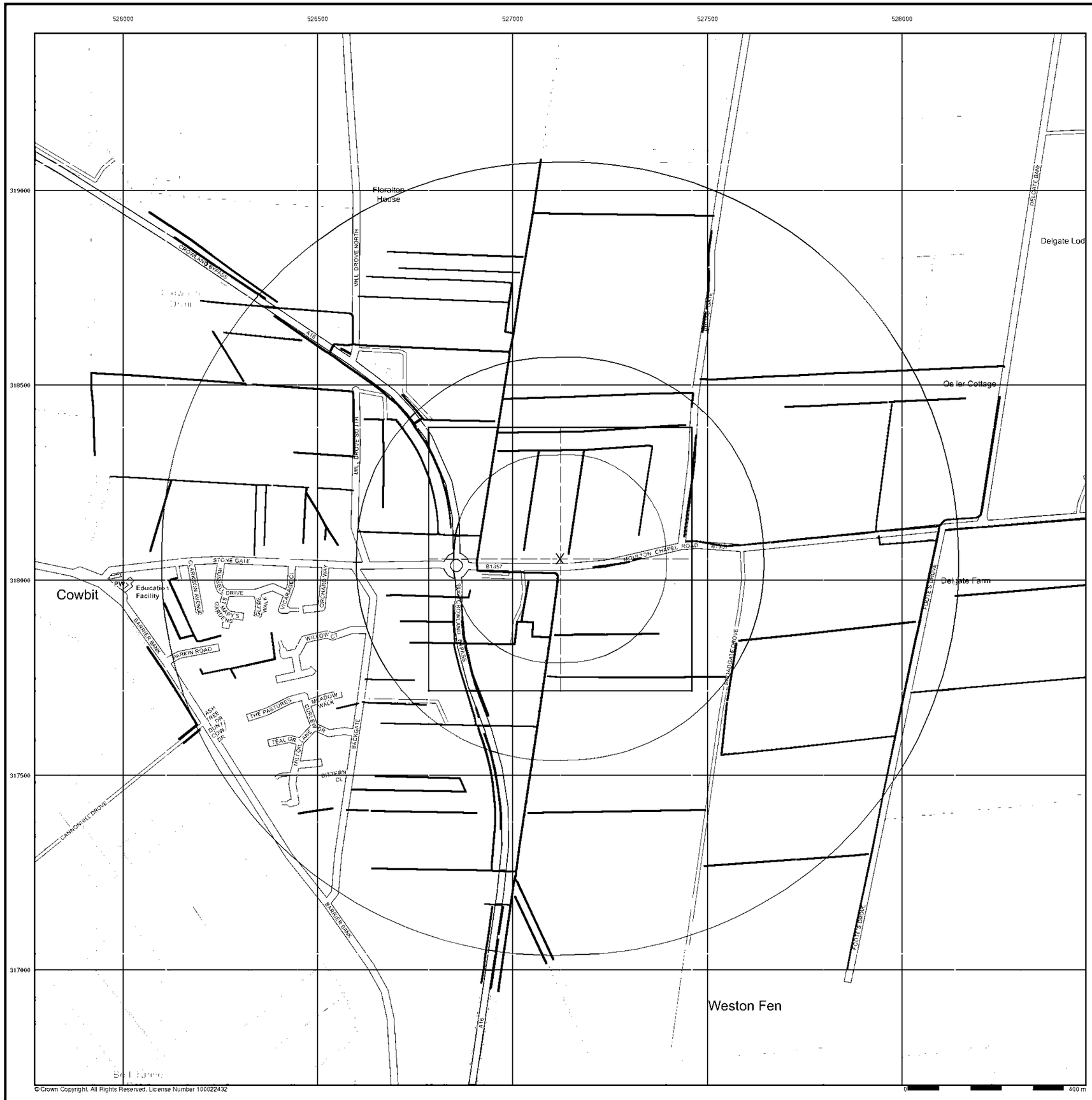
Order Details

Order Number:	219888709_1_1
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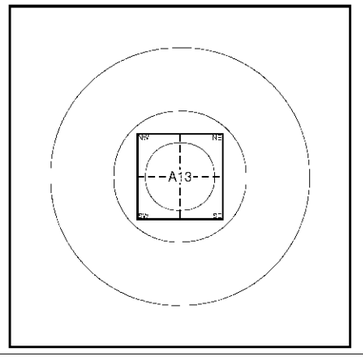
General

- Specified Site
- Specified Buffer(s)
- X 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 A



Order Details

Order Number:	219888709_1_1
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Supporting information

3.4 Risk assessment methodology

The method of risk evaluation adopted in this document is consistent with CIRIA C552 (2001). Hence, risk is considered to be a function of both the probability (likelihood) of contamination occurring at the study site and also the potential severity (consequence) of the environmental impacts associated with this contamination.

The classification system used to define contaminant probability, consequence and risk is described in the following tables.

Table A: Classification of probability

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

Table B: Classification of consequence

Classification	Receptor	Definition	Examples
Severe	Humans	Short-term (acute) risk to human health likely to result in "significant harm" as defined in the CTL Statutory Guidance	High concentrations of cyanide on the surface of an informal recreation area
	Controlled waters	Short-term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource	Major spillage of contaminants from site into controlled water
	Property	Catastrophic damage to buildings/property	Explosion, causing building collapse (can also equate to an acute human health risk if buildings are occupied)
	Ecology	A short-term risk to a particular ecosystem, or organism forming part of such eco-system	Potentially long term derogation of a designated site or protected species
Medium	Humans	Chronic damage to human health ("significant harm" as defined in the CTL Statutory Guidance)	Concentrations of a contaminant from a residential site exceed the site-specific assessment criteria
	Controlled waters	Pollution of sensitive water resources (note: Water Resources Act contains no scope for considering significance of pollution)	Leaching of contaminants from a site to a principal or secondary aquifer
	Property	Significant damage to crops, buildings, structures and services	Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability)
	Ecology	A significant change in a particular ecosystem	Death of a species within a designated nature reserve

3. Supporting information

Table B: Classification of consequence (continued)

Classification	Receptor	Definition	Examples
Mild	Humans	Contamination present although unlikely to constitute a significant chronic health risk	Concentrations of a contaminant from a public access site moderately exceed the generic assessment criteria
	Controlled waters	Pollution of non-water resources	Pollution of non-classified groundwater
	Property	Damage to sensitive buildings/structures/services	Aggressive ground conditions leading to potential for long term degradation of buried concrete
	Ecology	Damage to the environment	Localised damage to aquatic habitat causing temporary relocation of certain species
Minor	Humans	Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc.)	The presence of contaminants at such concentrations that protective equipment is required during site works
	Controlled waters	Potential minor release of contamination to local water features	Short term or low volume release of potentially polluting material to a secondary surface water course of low existing quality
	Property	Easily reparable effects of damage to buildings, structures and services. Harm which may result in a financial loss, or expenditure to resolve	The loss of plants in a landscaping scheme. Discolouration of concrete
	Ecology	Short term, localised damage may occur; consequences are spatially and temporally limited	Short term or localised disruption to in situ flora or fauna; no lasting effects

Table C: Risk classification (comparison of consequence and probability)

		Consequence (severity)			
		Severe	**Medium**	**Mild**	**Minor**
Probability	**High likelihood**	[redacted]	[redacted]	Moderate risk	Low risk
	Likely	[redacted]	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

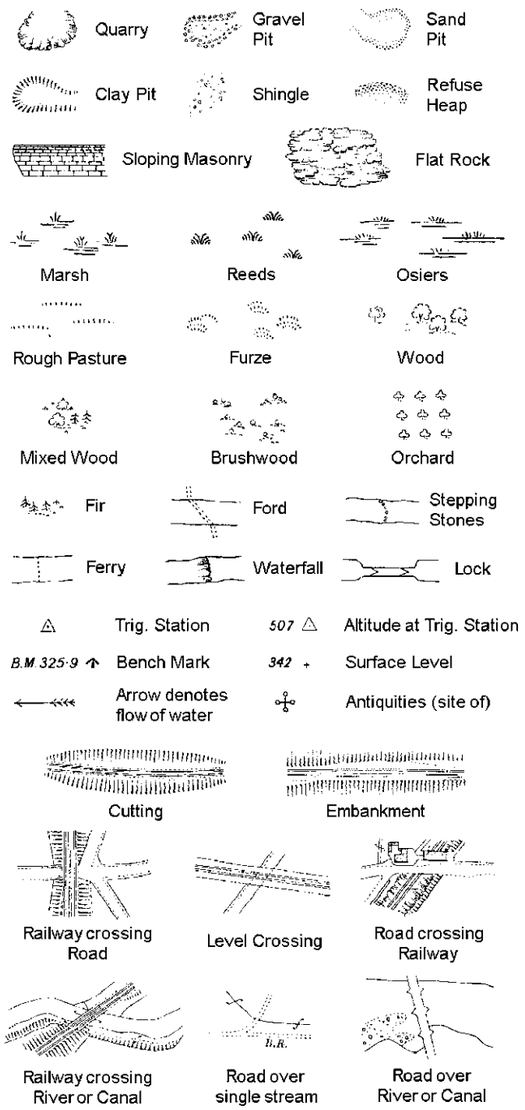
Supporting information

3.5 Historical land use maps

Historical Ordnance Survey maps relating to the site and its surrounding area have been provided by Landmark.

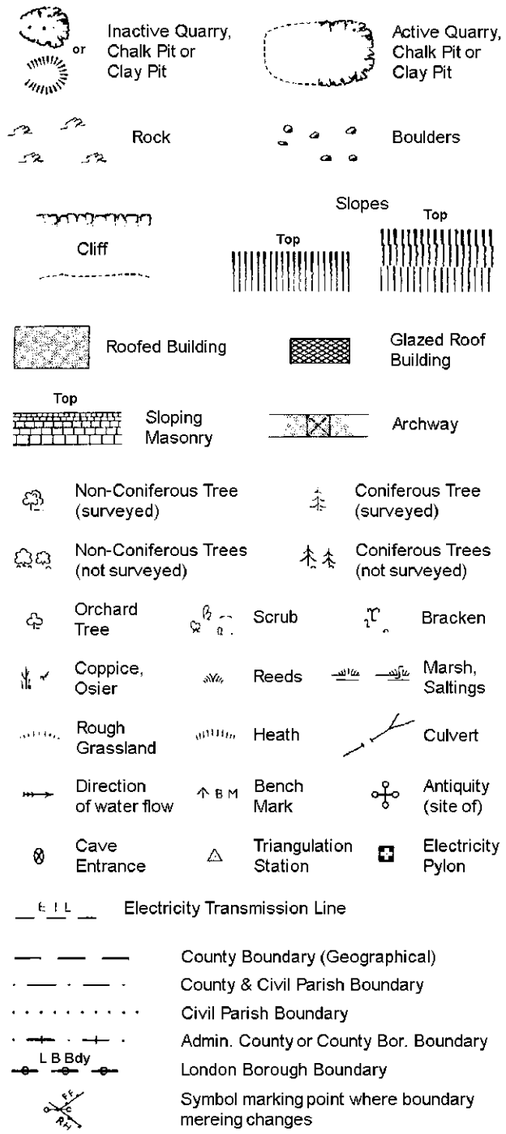
Historical Mapping Legends

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



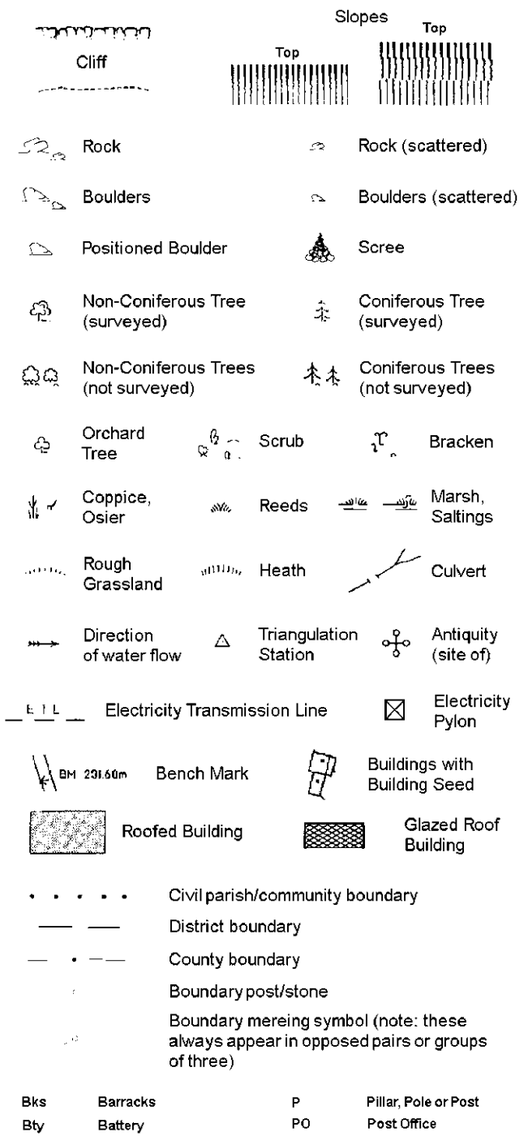
B.P B.S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



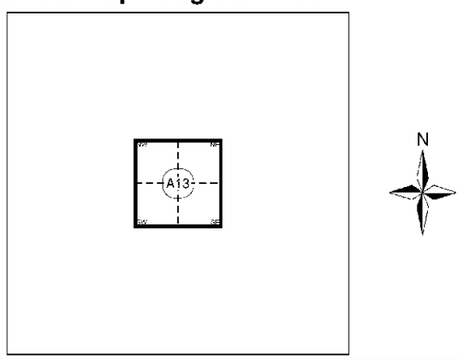
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity 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

GeoSmart Information
Environmental Thinking

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1904	3
Ordnance Survey Plan	1:2,500	1969 - 1976	4
Additional SIMs	1:2,500	1988 - 1992	5
Large-Scale National Grid Data	1:2,500	1995	6

Historical Map - Segment A13

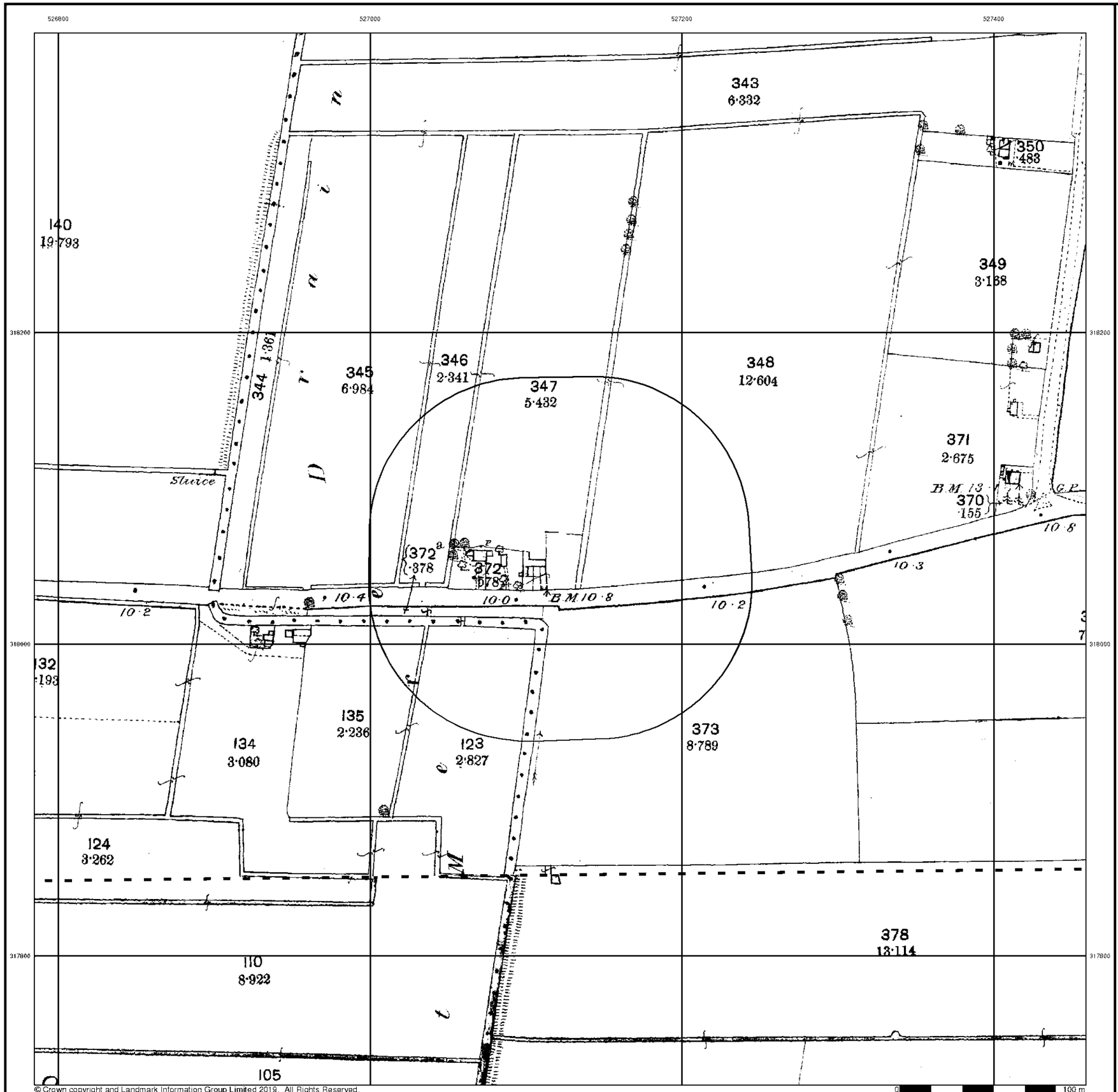


Order Details

Order Number: 219888709_1_1
Customer Ref: 72234
National Grid Reference: 527120, 318050
Slice: A
Site Area (Ha): 0.15
Search Buffer (m): 100

Site Details

Land adj. to No. 50, Moulton Chapel Road, Moulton Chapel, SPALDING, PE12 0XD



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GeoSmart Information
Environmental Thinking

Lincolnshire
Published 1888
Source map scale - 1:2,500

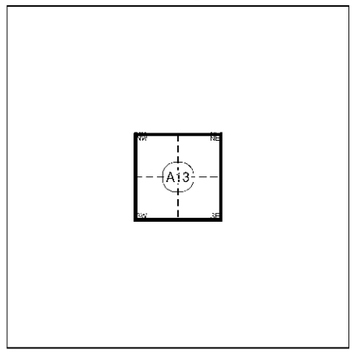
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

142_11
1888
1:2,500

142_15
1888
1:2,500

Historical Map - Segment A13

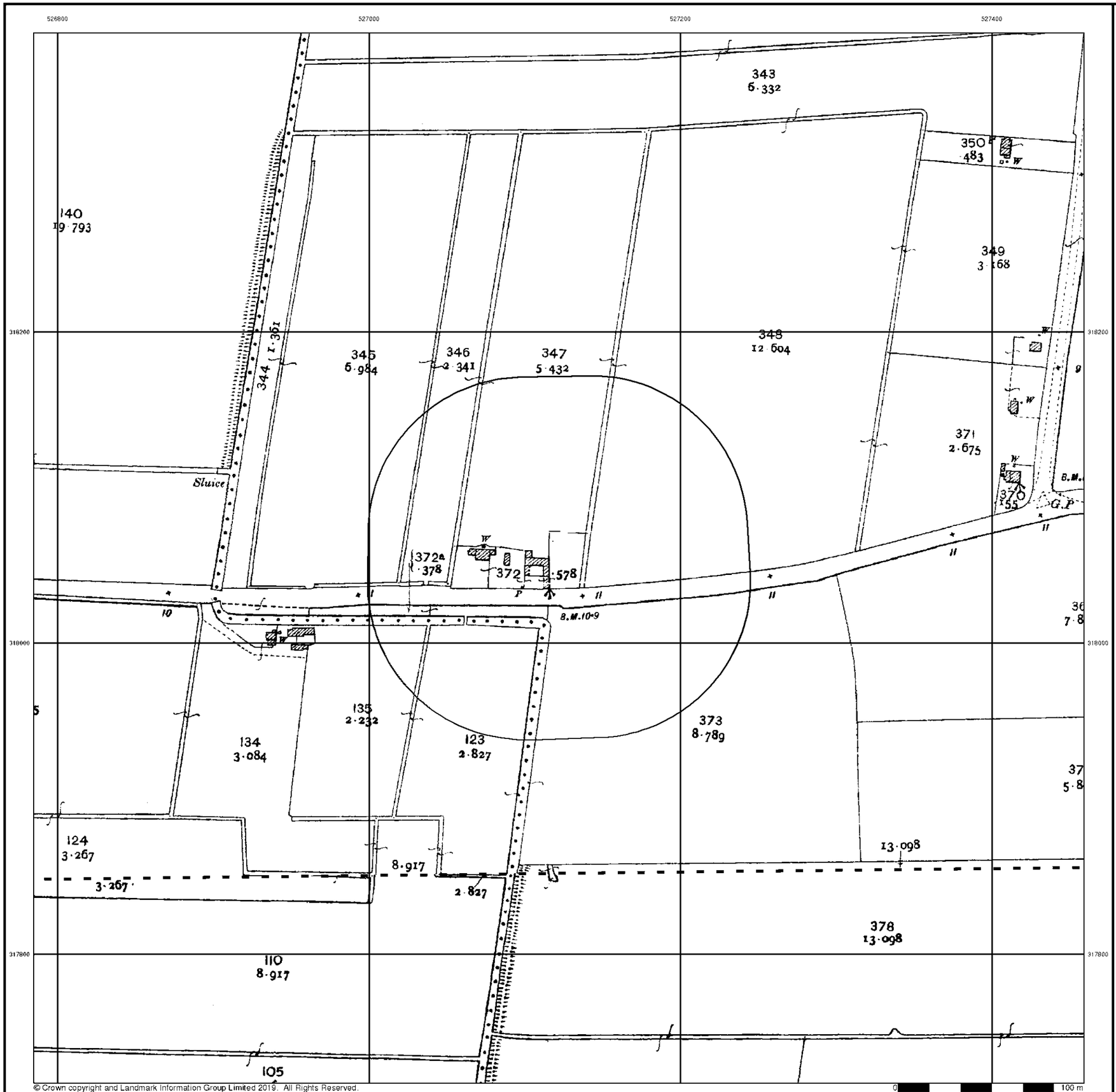


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0 100 m

GeoSmart Information
Environmental Thinking

Lincolnshire
Published 1904
Source map scale - 1:2,500

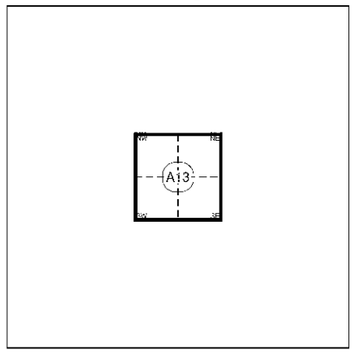
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

142_11
1904
1:2,500

142_15
1904
1:2,500

Historical Map - Segment A13



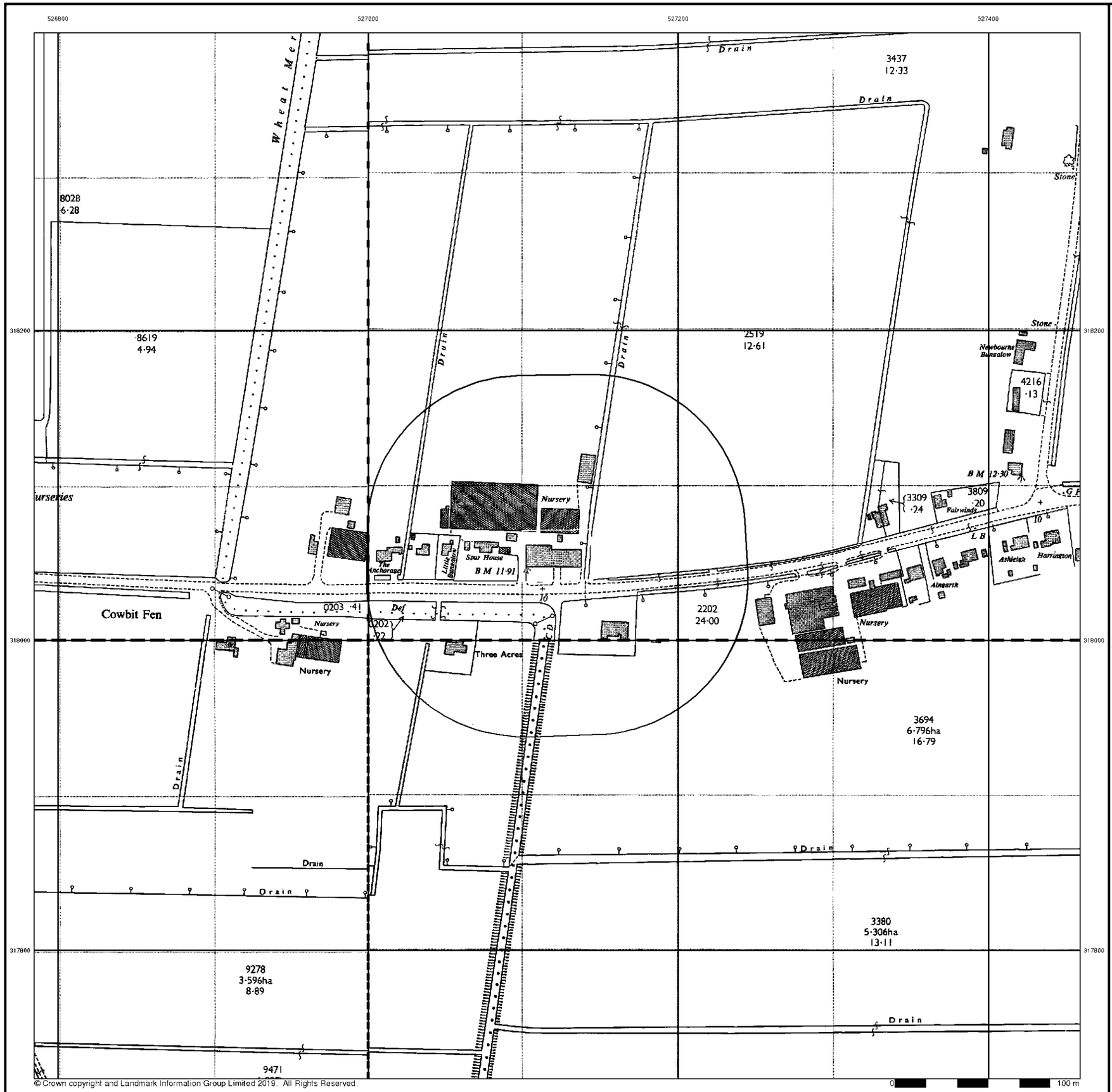
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GeoSmart Information

Environmental Thinking

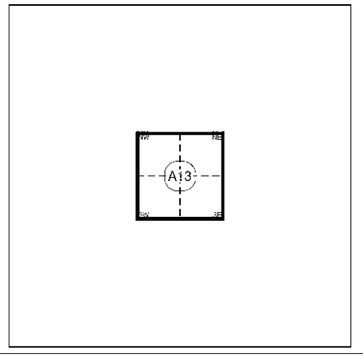
Ordnance Survey Plan
Published 1969 - 1976
Source map scale - 1:2,500

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)

TF2618 1969 1:2,500	TF2718 1969 1:2,500
TF2617 1976 1:2,500	TF2717 1976 1:2,500

Historical Map - Segment A13



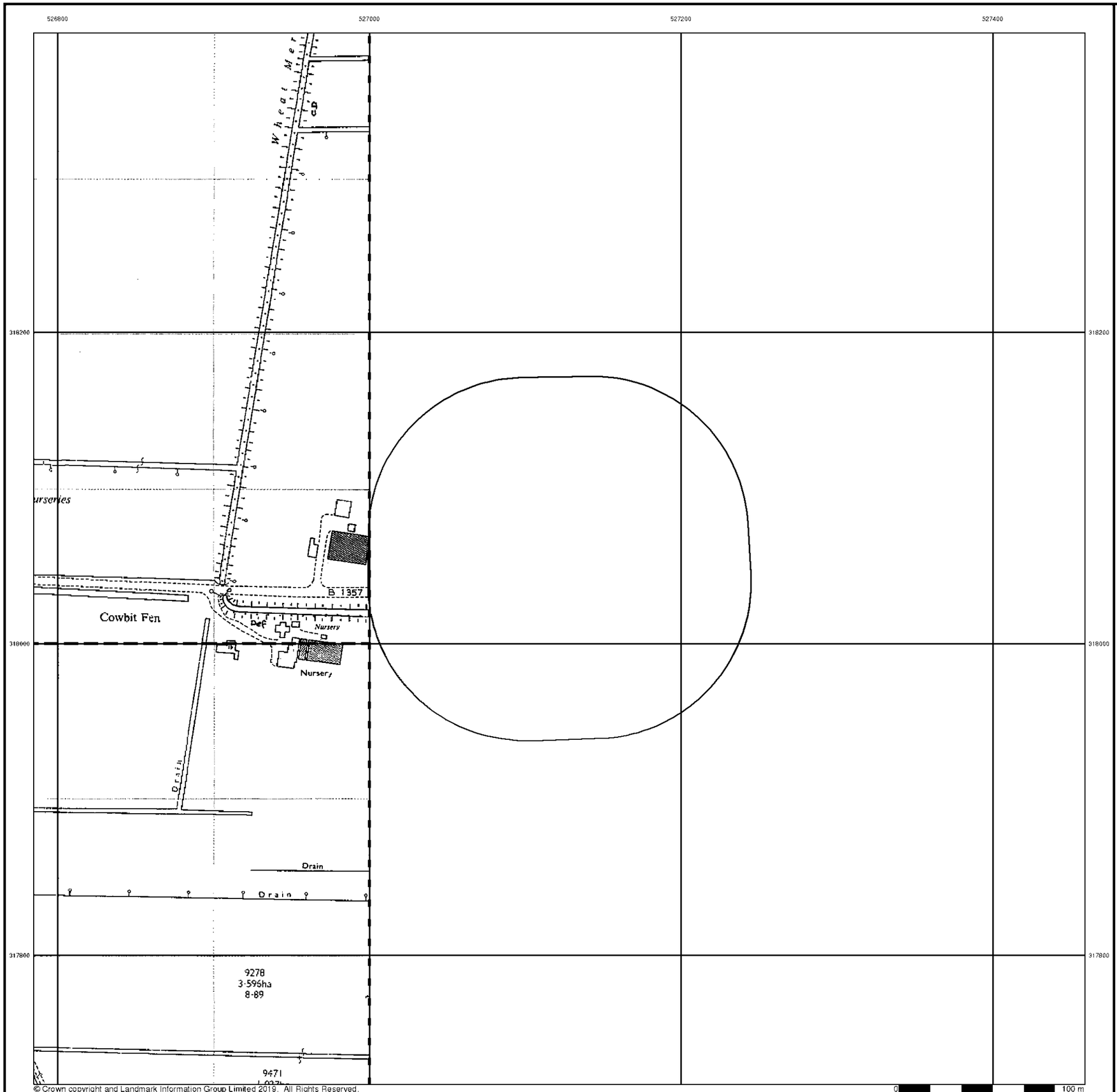
Order Details

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Environmental Thinking

Additional SIMs

Published 1988 - 1992

Source map scale - 1:2,500

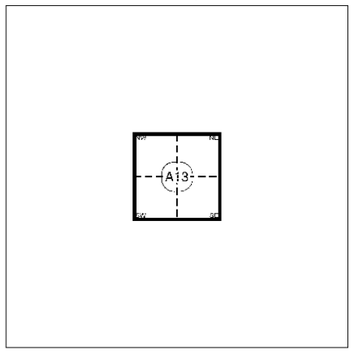
The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)

TF2618
1988
1:2,500

TF2617
1992
1:2,500

Historical Map - Segment A13



Order Details

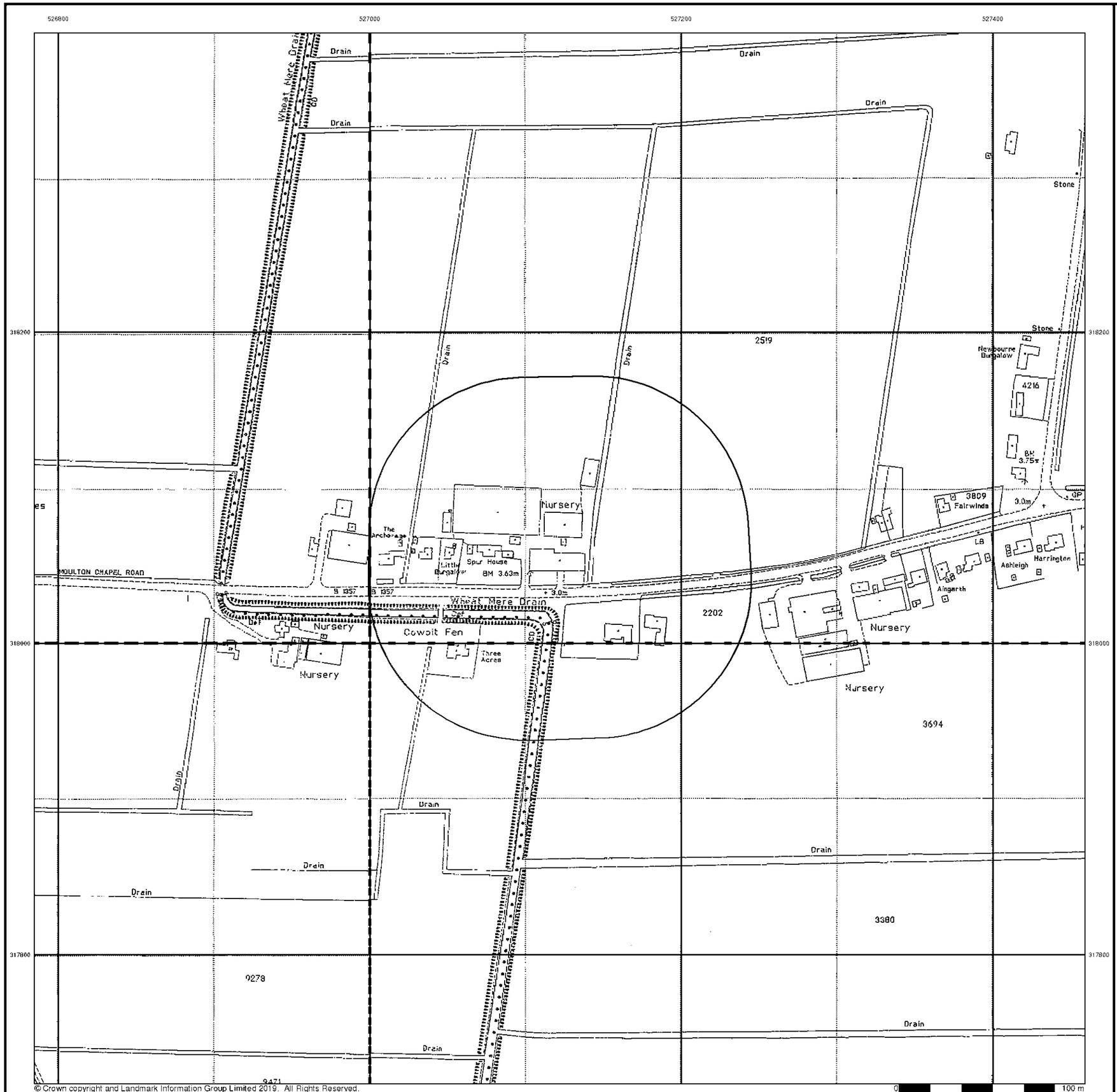
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GeoSmart Information

Environmental Thinking

Large-Scale National Grid Data

Published 1995

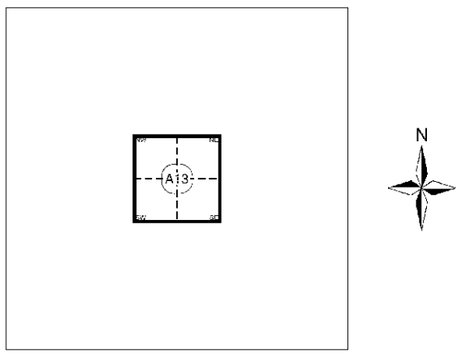
Source map scale - 1:2,500

'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)

TF2618 1995 1:2,500	TF2718 1995 1:2,500
TF2617 1995 1:2,500	TF2717 1995 1:2,500

Historical Map - Segment A13



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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
Sloping Masonry
Pole
Cutting
Embankment
Standard Gauge Multiple Track
Standard Gauge Single Track
Road Under
Road Over
Level Crossing
Foot Bridge
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

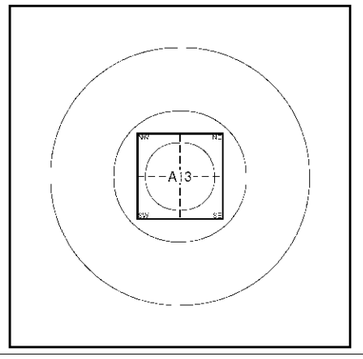
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community 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
Mean high water (springs)
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

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Environmental Thinking

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1906	4
Lincolnshire	1:10,560	1938 - 1952	5
Lincolnshire	1:10,560	1951	6
Ordnance Survey Plan	1:10,000	1959	7
Ordnance Survey Plan	1:10,000	1979	8
Ordnance Survey Plan	1:10,000	1991	9
10K Raster Mapping	1:10,000	2000	10
Street View	Variable		11

Historical Map - Slice A



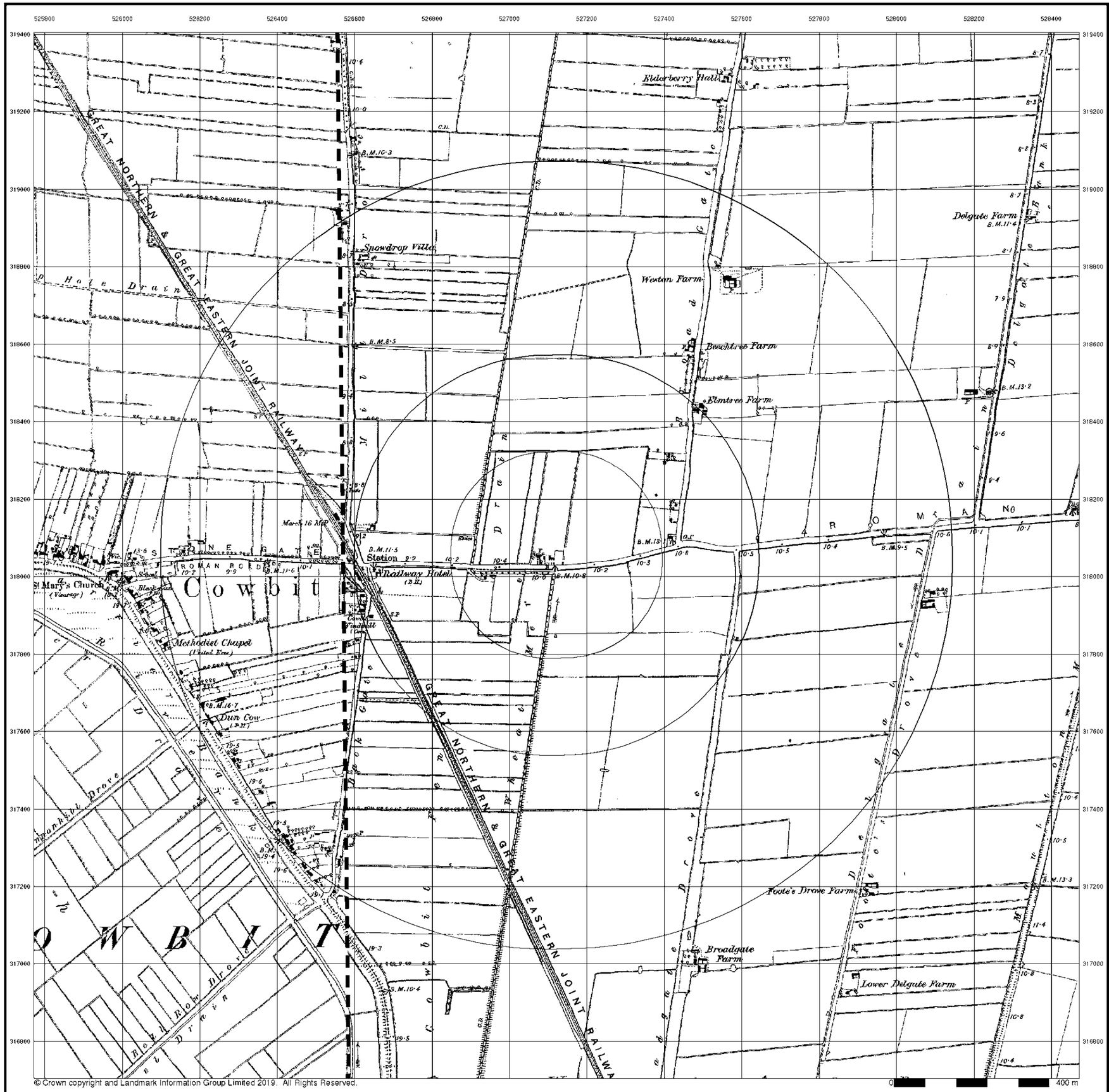
Order Details

Order Number: 219888709_1_1
Customer Ref: 72234
National Grid Reference: 527120, 318050
Slice: A
Site Area (Ha): 0.15
Search Buffer (m): 1000

Site Details

Land adj. to No. 50, Moulton Chapel Road, Moulton Chapel, SPALDING, PE12 0XD

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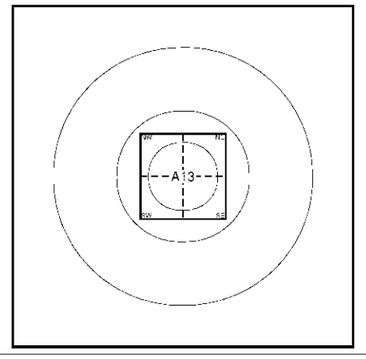
Lincolnshire
Published 1887
Source map scale - 1:10,560

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)

142SW 1887 1:10,560	142SE 1887 1:10,560

Historical Map - Slice A



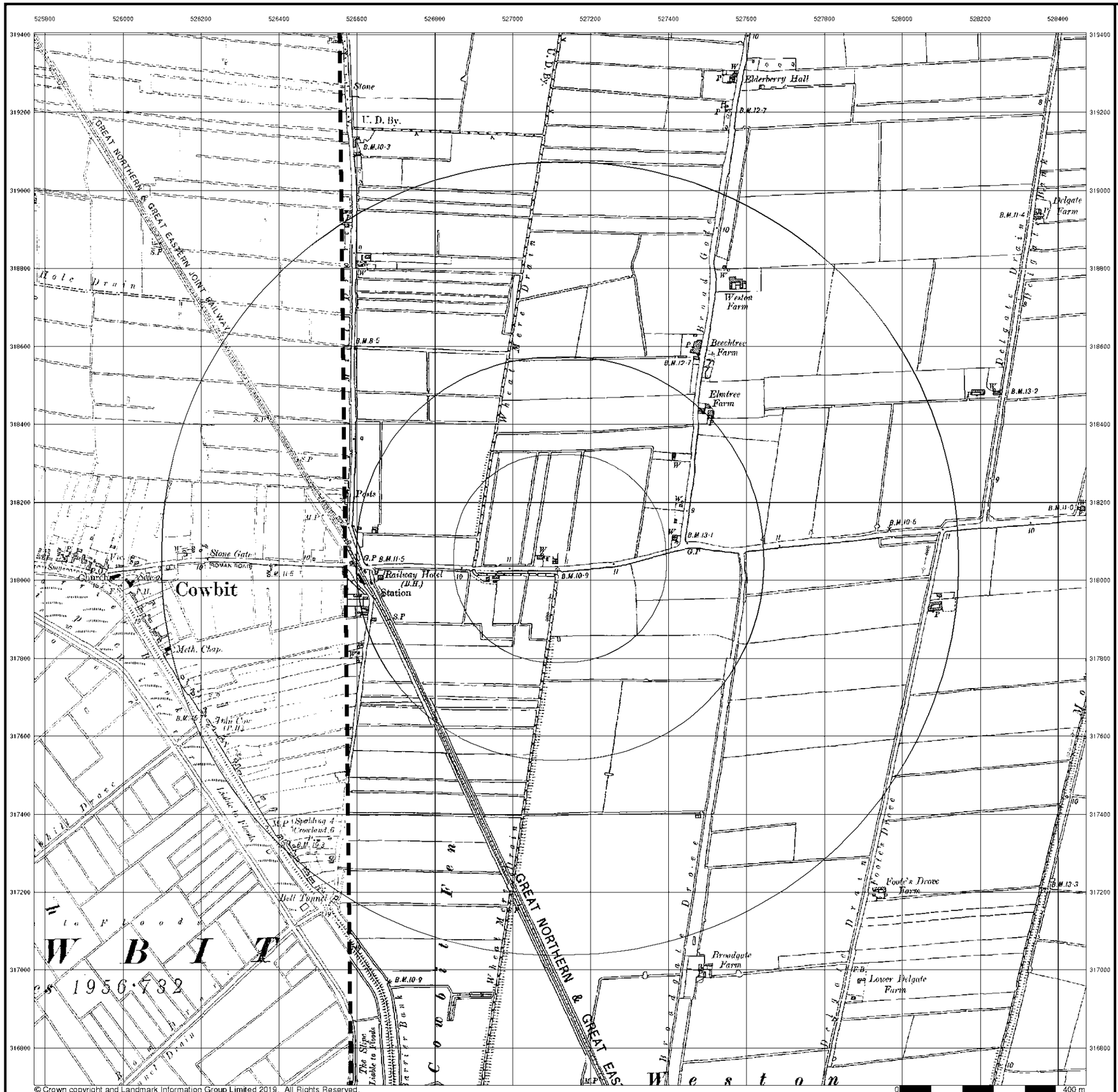
Order Details

Order Number:	219888709_1_1
Customer Ref:	72234
National Grid Reference:	527120, 318050
Slice:	A
Site Area (Ha):	0.15
Search Buffer (m):	1000

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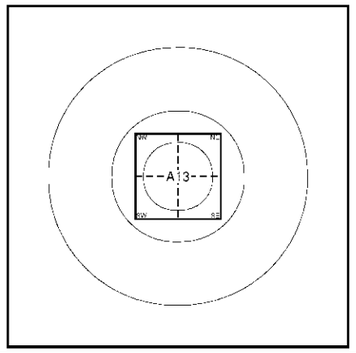
Lincolnshire
Published 1906
Source map scale - 1:10,560

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)

142SW 1906 1:10,560	142SE 1906 1:10,560

Historical Map - Slice A



Order Details

Order Number:	219888709_1_1
Customer Ref:	72234
National Grid Reference:	527120, 318050
Slice:	A
Site Area (Ha):	0.15
Search Buffer (m):	1000

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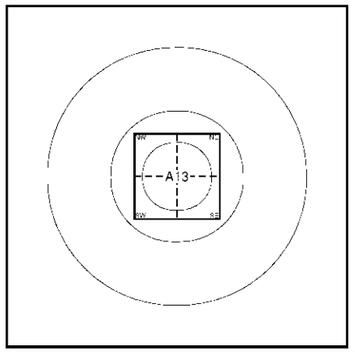
Lincolnshire
Published 1906
Source map scale - 1:10,560

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)

142SE
1906
1:10,560

Historical Map - Slice A



Order Details

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National Grid Reference:	527120, 318050
Slice:	A
Site Area (Ha):	0.15
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Lincolnshire

Published 1938 - 1952

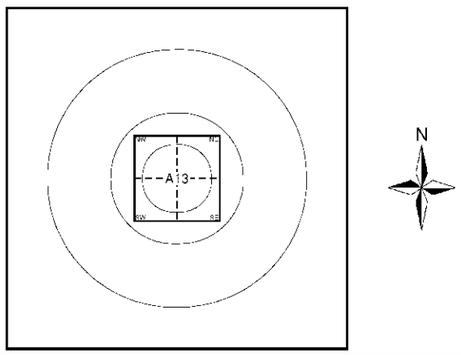
Source map scale - 1:10,560

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)

142SW 1952 1:10,560	142SE 1938 1:10,560

Historical Map - Slice A



Order Details

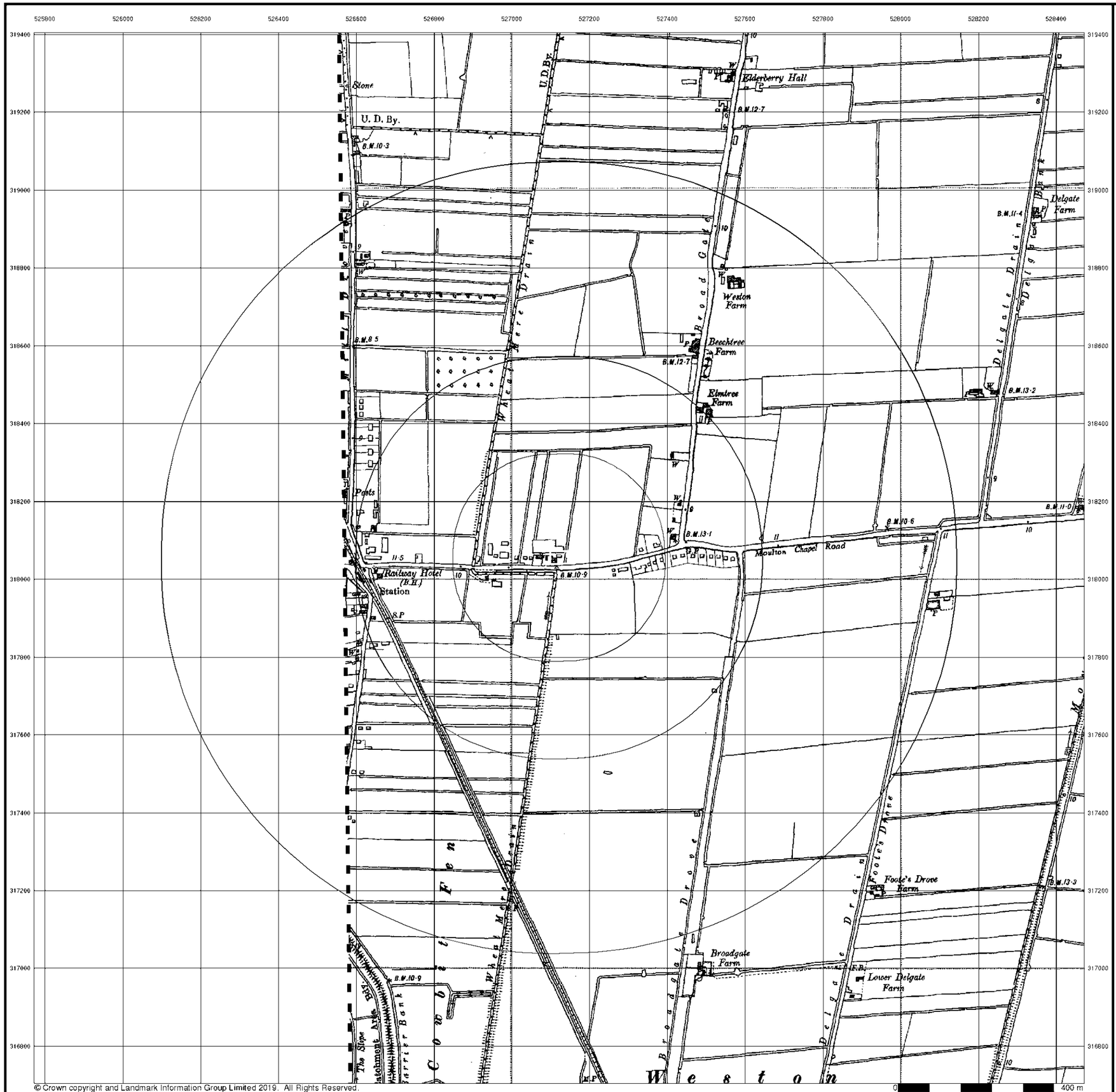
Order Number:	219888709_1_1
Customer Ref:	72234
National Grid Reference:	527120, 318050
Slice:	A
Site Area (Ha):	0.15
Search Buffer (m):	1000

Site Details

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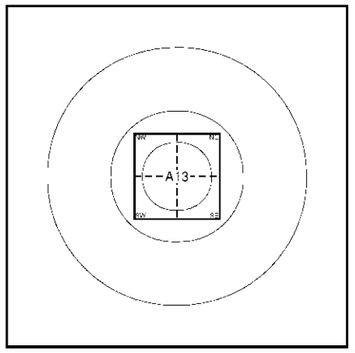
Lincolnshire
Published 1951
Source map scale - 1:10,560

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)

142SE
1951
1:10,560

Historical Map - Slice A



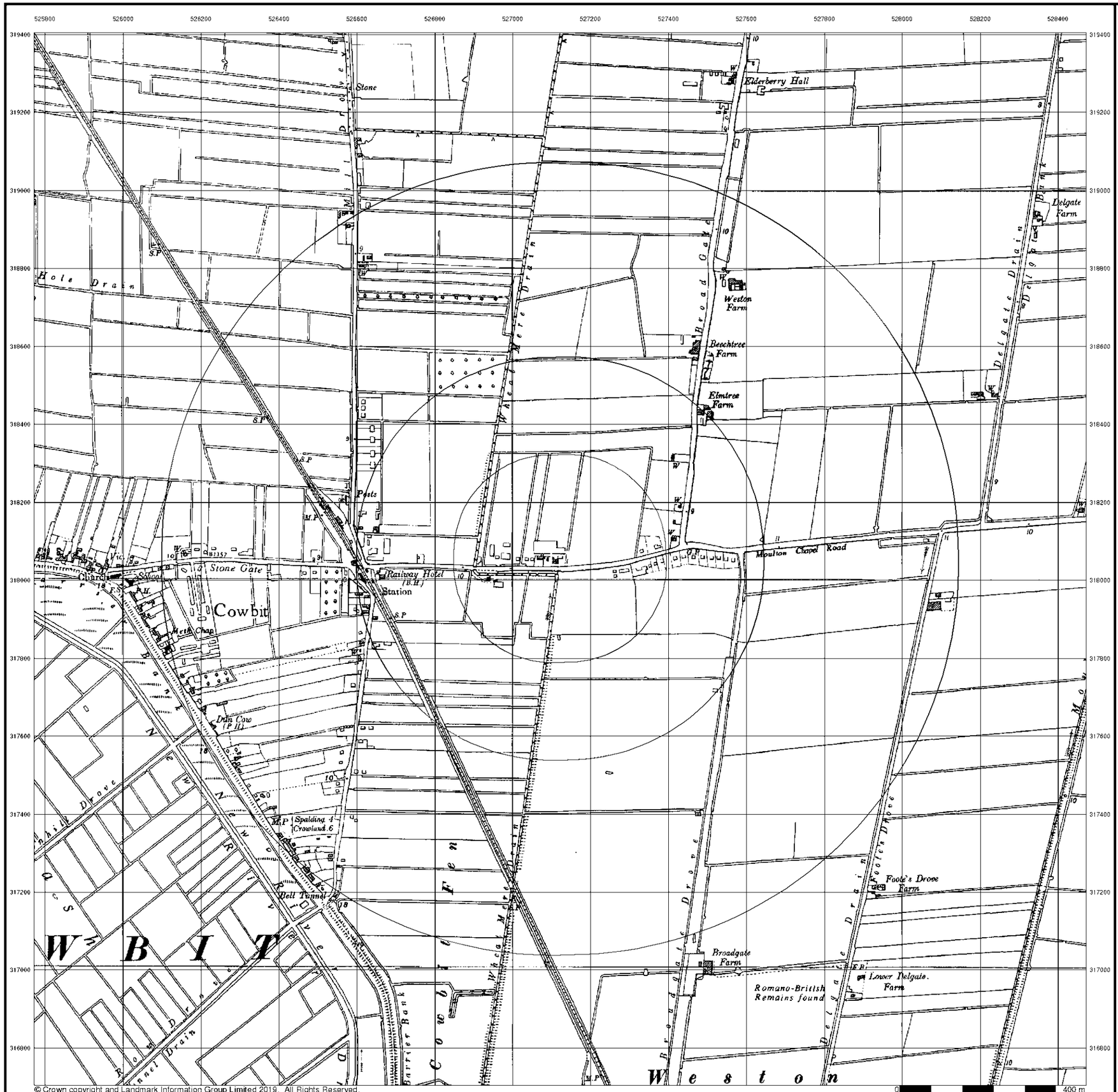
Order Details

Order Number:	219888709_1_1
Customer Ref:	72234
National Grid Reference:	527120, 318050
Slice:	A
Site Area (Ha):	0.15
Search Buffer (m):	1000

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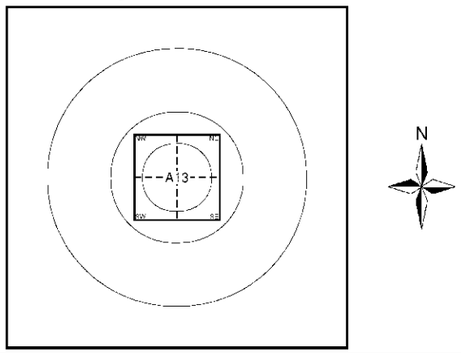
Ordnance Survey Plan
Published 1959
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF21NE
1959
1:10,560

Historical Map - Slice A



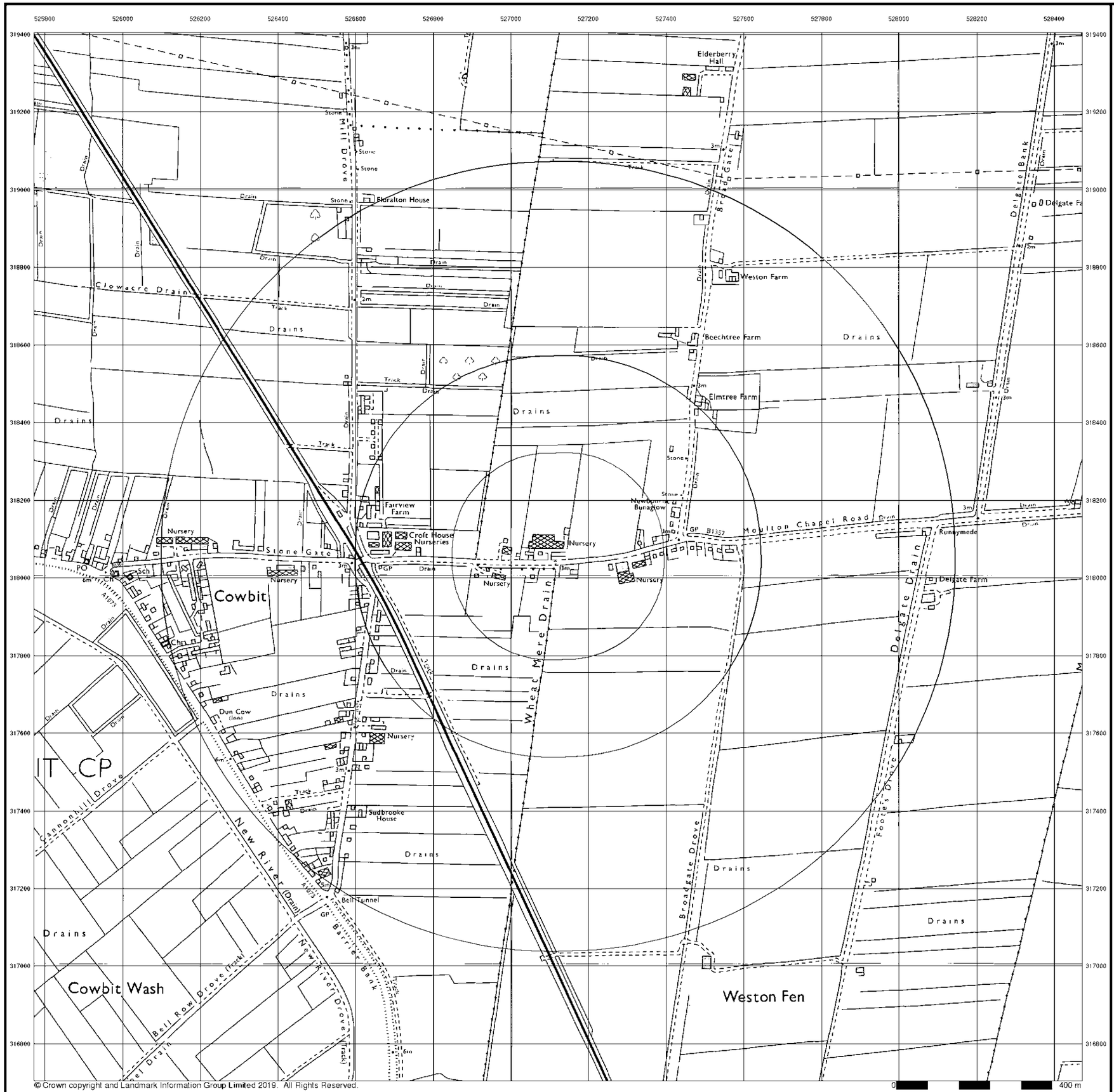
Order Details

Order Number:	219888709_1_1
Customer Ref:	72234
National Grid Reference:	527120, 318050
Slice:	A
Site Area (Ha):	0.15
Search Buffer (m):	1000

Site Details

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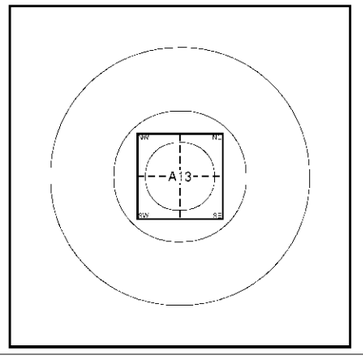
Ordnance Survey Plan
Published 1979
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF21NE
1979
1:10,000

Historical Map - Slice A



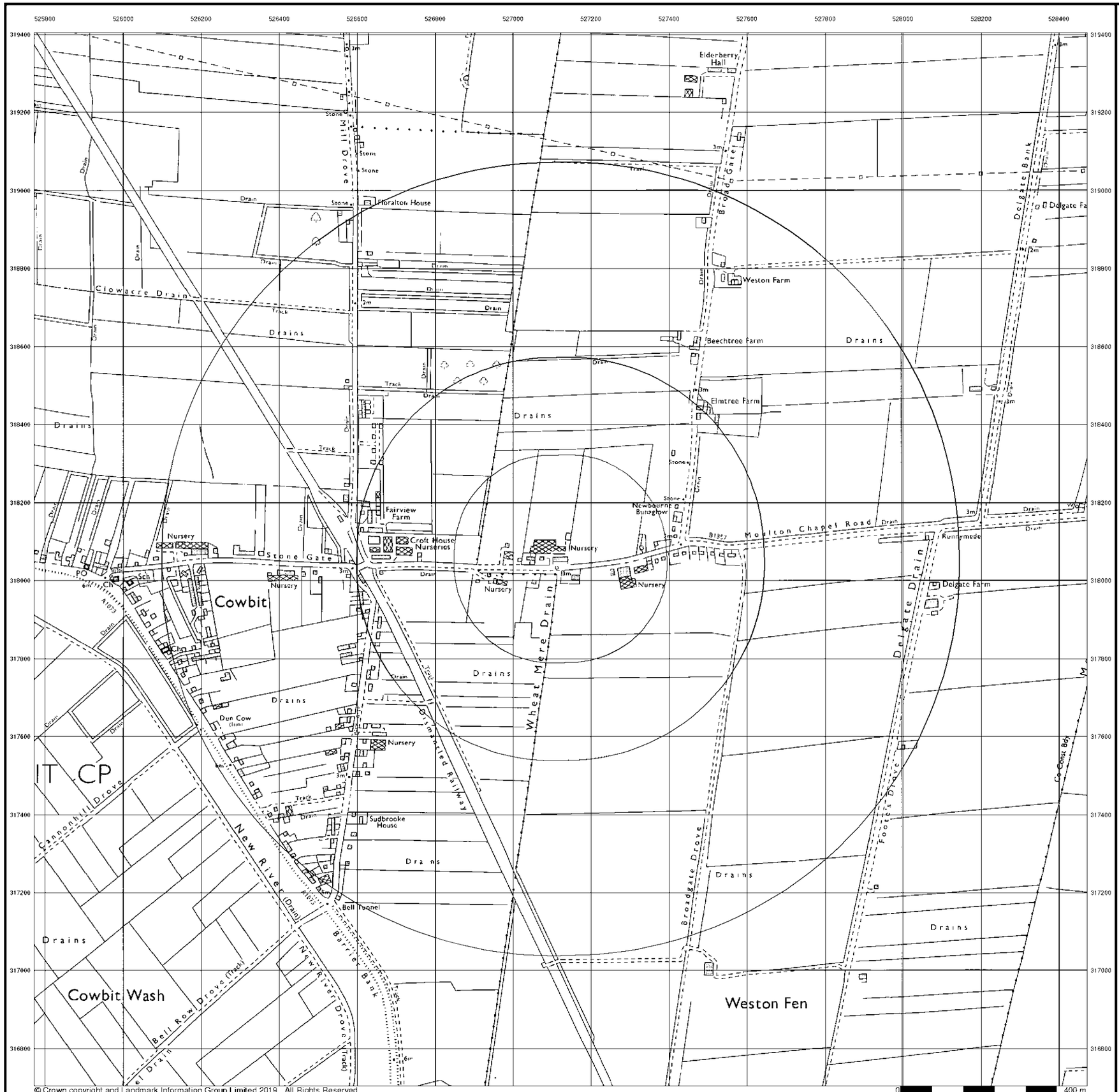
Order Details

Order Number:	219888709_1_1
Customer Ref:	72234
National Grid Reference:	527120, 318050
Slice:	A
Site Area (Ha):	0.15
Search Buffer (m):	1000

Site Details

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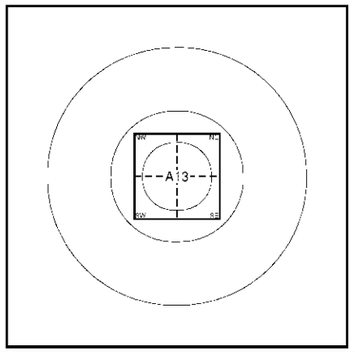
Ordnance Survey Plan
Published 1991
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF21NE
1991
1:10,000

Historical Map - Slice A



Order Details

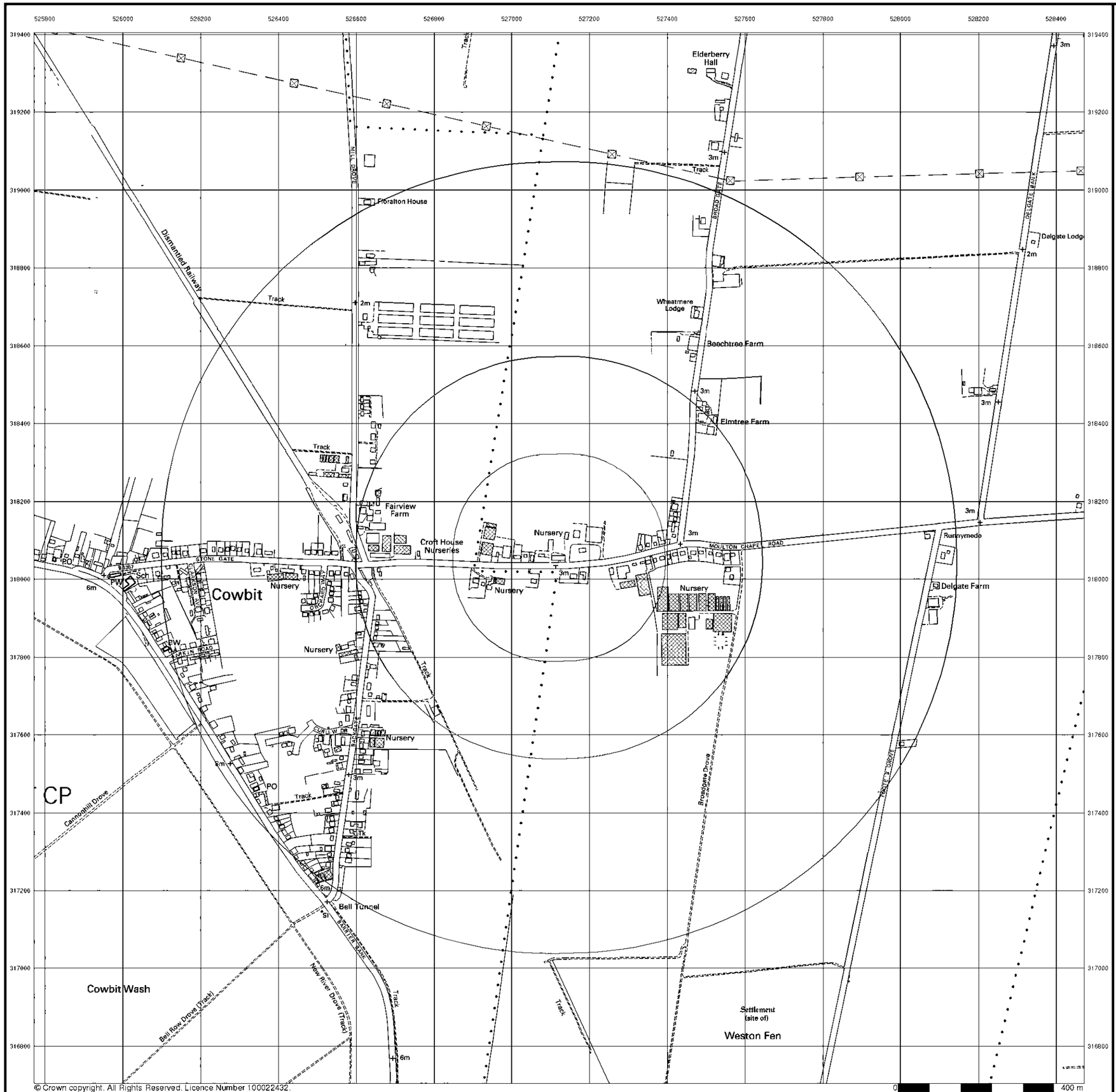
Order Number:	219888709_1_1
Customer Ref:	72234
National Grid Reference:	527120, 318050
Slice:	A
Site Area (Ha):	0.15
Search Buffer (m):	1000

Site Details

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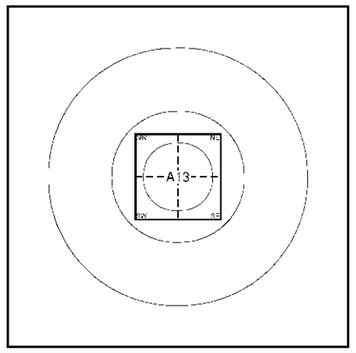
10k Raster Mapping
Published 2000
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF21NE
2000
1:10,000

Historical Map - Slice A



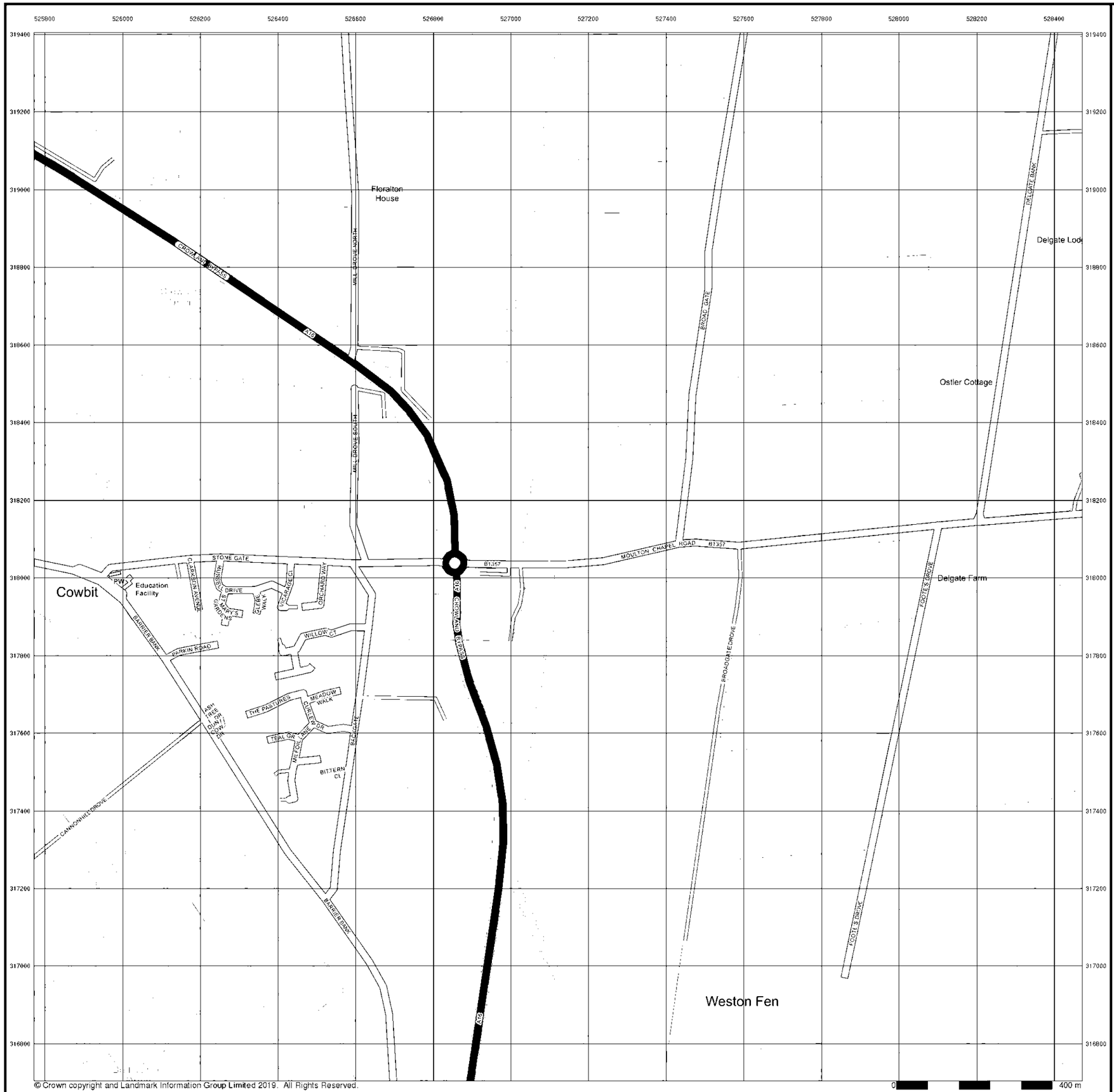
Order Details

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Customer Ref:	72234
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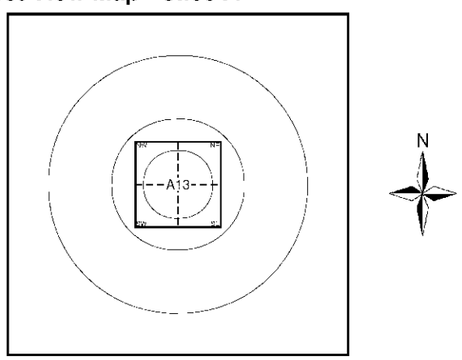
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Street View
Published 2019
Source map scale - 1:10,000

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 A



Order Details

Order Number:	219888709_1_1
Customer Ref:	72234
National Grid Reference:	527120, 318050
Slice:	A
Site Area (Ha):	0.15
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Site Details

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