Phase 1 (Desk Study) Report

120 Dog Drove North, Spalding

Produced for JC Architectural Consultant

August 2022

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Phase 1 (Desktop) Report: 120 Dog Drove North, Spalding

CONTENTS

	Executive Summary	4
1	Introduction	6
2	Sources of Site Information	7
3	Site Description and Topography	8
4	Site History	10
5	Geology, Hydrogeology and Hydrology	13
6	Environmental Data	18
7	Initial Contaminated Land Assessment	21
8	SUMMARY & CONCLUSIONS	29
9	References & Bibliography	34

Appendix A - Site plans, drawings and photographs
Appendix B - Envirocheck™ report (historical maps)
Appendix C - Envirocheck™ report (environmental data)
Appendix D - Copies of previous nearby borehole logs

Executive Summary

FACTUAL INFORMATION	*Proposed works*	Demolition of existing house, garage and greenhouse. Construction of a residential dwelling with infrastructure and garage
	Site description:	*Location:* 120 Dog Drove North, Spalding, post code PE12 0SA, grid reference 532100, 312340 *Size:* about 80m in length and about 28m in width. *Features:* a residential plot including bungalow with garage and associated hardstanding and a large glass greenhouse to the rear of site
	Current use:	Vacant residential property
	Topography	Site ground levels: c.1m or 2m above Ordnance Datum (AOD)
	Site history	The site was open fields until mid to late 50s when the existing bungalow on the eastern section of the site is potentially shown, the existing smaller outbuildings within the centre of site were subsequently added at a later date shown on mapping from 1976. The existing large structure (glass greenhouse) on the western section was constructed within the 80's or early 90's, contemporary trade directory mapping noted the structure as a Nursery.
	Published geology	*Drift (superficial soils):* Tidal flat deposits (TFD) *Solid (bedrock):* Oxford Clay Formation (OXC)
	Anticipated ground conditions	Made ground: - Hardstanding to driveway and below existing structures – probably less than 1m depth Possible Tidal Flat Deposits (TFD): - Silts, clays possibly sandy – to a depth of 10-20m Oxford Clay Formation (OXC): - Mudstone – to a depth >50m
	Hydrology	The location of the groundwater table is unknown. The site's moderately low elevation suggests there could be some shallow groundwater present. BGS historical boreholes suggest a water strikes at circa 2.6m below ground level
	Hydrogeology	Possible ditch or small land drain adjacent the western boundary of the site which appears to drain west to Diversion Drain circa 250m west
	Nearby landfills	No nearby landfills
	Radon	The site is not in an area affected by radon

CONTAMINATION ASSESSMENT	*Initial conceptual site model*	Potential sources of soil contamination: 1. Made ground (probably shallow) beneath the site, e.g. of hardstanding drive and base to nursery greenhouse – metals, PAHs and asbestos 2. Former land use: domestic gardens and domestic garage – petroleum hydrocarbons 3. Possible thick organic tidal flat deposits – hazardous ground gases 4. Former land use (nursery) – pesticides, herbicides, metals and TPHs 5. Nearby former Garage – petroleum hydrocarbons However, only items 1, 4 and 5 above (made ground, former land use and nearby former garage) is considered a viable source of potentially harmful contamination Contaminants of concern: metals, PAHs, asbestos and TPHs
	Preliminary risk assessment	Unacceptable risks from two potential contamination linkage (PCL): • PCL1: ingestion, inhalation (of dust) and absorption of contaminants by site users in gardens and soft landscaping (from made ground contamination) • PCL2: ingestion, inhalation (of dust & vapours) and absorption of contaminants by site users in gardens, soft landscaping and within structures Contaminants of concern: metals, PAHs, TPHs and asbestos
	Remediation requirements	This will be determined by further investigation works
	Further investigation	Some sample holes should be carried out around the site to investigate the nature and extent of potentially contaminated made ground or natural soils. Near surface soils should be tested for the above contaminants of concern. The findings should inform a revised risk assessment
	Gas protection measures	No viable source of harmful ground gas has been identified. Therefore, no requirement for protection measures is anticipated
	Reuse of site won material	Clean natural soils removed from excavations can be reused on site Excavated potentially contaminated made ground will need to be remediated, e.g. by removing it off-site as waste (unless covered by a suitable waste permit, exemption or protocol)
	Water supply pipework	There is some potential for contamination of the ground with hydrocarbons. At this stage, it would be prudent to make allowance to provide barrier piping (e.g. plastic with an aluminium core) across the site

1 Introduction

The client, JC Architectural Consultant, engaged Humberside Materials Laboratory Limited (HML) to undertake a Phase 1 (desktop study) report in advance of a proposed residential development at 120 Dog Drove North, Spalding. The land will be hereinafter referred to as *the site*.

1.1 Aims

The aim of the Phase 1 investigation is to assess relevant geo-environmental aspects of the site in relation to the proposed development works. This includes an evaluation of likely ground conditions and potential land contamination issues.

1.2 Scope

The scope of the investigation includes:

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

1.3 Conditions and Limitations

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

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

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

2 Sources of Site Information

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

Table 1: Sources of site information			
Source description		*Details*	*Date*
Site specific	HML site walkover	Photos (in Appendix A) and notes	12 Aug 2022
	Envirocheck report	Environmental data (Appendix C), historical maps (Appendix B), Landmark order no.: 299800391_1_1	12 Aug 2022
	Existing site plan	JC Architectural Consultant drawing number JC 0292/22/P01	March 2022
	Proposed dwelling plan	JC Architectural Consultant drawing number JC 0292/22/P02	March 2022
	Proposed garage plan	JC Architectural Consultant drawing number JC 0292/22/P03	March 2022
	Aerial existing and proposed plan	JC Architectural Consultant drawing number JC 0292/22/P03	March 2022
Local information	Online maps and photos	www.google.co.uk, www.openstreetmap.org, www.promap.co.uk & www.streetmap.co.uk	May 2022
	Geological maps	1:50000 Series, Sheet 158, Peterborough	1983
		1:50000 Series, Sheet 158, Peterborough	1983
	Online BGS data	www.bgs.ac.uk (map data & borehole records)	Aug 2022
	Historic aerial photos	www.britainfromabove.org.uk	May 2022
	Historical maps	www.oldmapsonline.org; www.maps.nls.uk	May 2022
	Historical information	www.nationalarchives.gov.uk; www.historicengland.org.uk	May 2022
	Environmental info	https://magic.defra.gov.uk/magicmap.aspx	May 2022
	Mining info	https://mapapps2.bgs.ac.uk/coalauthority/home.html	May 2022
	Radon info	https://www.ukradon.org/information/ukmaps	May 2022
	Soil info	www.ukso.org (soil observatory website)	May 2022
	Flooding info	www.gov.uk (flood maps)	May 2022

3 Site Description and Topography

3.1 Proposed development

The proposed works consist of demolishment of existing residential bungalow, garage and glass greenhouse and construct a new residential dwelling. The house will include gardens, parking garages and off-road parking areas.

Final ground levels are expected to be similar to existing. Nevertheless, there might be some slight raising of ground levels (e.g. to mitigate flood risks).

3.2 Location and size

The site is located off (and to the west of) Dog Drove North, Spalding, post code PE12 0SA. The site is centred around grid reference 532100, 312340.

The site occupies an irregular tract of land which is about 80m in length and about 28m in width with a pinch point around the centre of the site which reduces to a width of about 15m. It covers a total area of about 0.19 hectares.

A site location plan is included in Appendix A.

3.3 Site features

Photographs and a site features plan are presented later (in Appendix A).

A site walkover was undertaken on the 12th August 2022. Access was available around the whole site. Photos were taken and many site features were noted, as detailed below.

The site is currently a vacant residential dwelling with associated hardstanding, garage and large glass greenhouse to the rear of site. The ground surface is a mixture of glass to the front of the bungalow and to the rear of site around the greenhouse, the centre of the site between the bungalow and garage is hardstanding construction of asphalt concrete and concrete.

There were not noted to be any trees or shrubs within the site, but some trees were noted along the northern boundary of the site.

3.4 Topography

3.4.1 Site topography

The site is reasonably flat and level. There are no discernible slopes or gradients.

The site is at a relatively low elevation. Ground levels around the site are estimated to be between about 1m and 2m above Ordnance datum (AOD).

3.4.2 Local topography

The site and the town of Holbeach Drove are located near the Lincolnshire and Cambridgeshire border within the district of South Holland. The site is within a vast area of low lying land and is kept free from inundation by land drainage.

3.5 Site boundaries and surrounding land use

The site is in a remote residential area with a nearby commercial unit, as detailed below (in Table 2).

Table 2: Adjacent land use and existing boundaries				
Direction:	North	East	South	West
Boundary type:	Open, trees and hedges	Hedges	Adjacent structure	Open
Adjacent land use:	Residential	Dog Drove North	Commercial property and Agricultural land	Agricultural land
Nearby land use:	Residential housing and Agricultural land	Residential housing and Agricultural land	Residential housing and Agricultural land	Residential housing and Agricultural land

3.6 Visible evidence of potential contamination

No evidence (visual or olfactory) was identified of potentially gross contamination during the site walkover. No sign of unusual staining, discolouration, or strange odours was noted.

Nevertheless, the hardstanding driveway and hardstanding area between the bungalow and garage appeared to be of asphalt concrete and concrete construction with potential unknown fill below. This could be a source of some (probably limited) contamination levels (e.g. of PAHs, metals and asbestos).

4 Site History

4.1 Historical timeline

Historical maps, presented later (in Appendix B), have been reviewed. Features considered to be potentially relevant are detailed below (in Table 3).

Table 3: Historical timeline

Map details	*Within the site boundary*	*Outside of the site boundary*
Year: 1887 - 88 Scale: 1:2500 & 1:10000	Part of open field (No439)	Some buildings – possible residential on the northern boundary Dog Drove North carriageway shown Division Drain shown 185m west
Year: 1904 - 06 Scale: 1:2500 & 10000	*(No significant change identified)*	Some trees removed and potential residential structures shown (100m north)
Year: 1952 & 1959 Scale: 1:10000	Mapping from 1959 shows a structure within similar area as existing bungalow	*(No significant change identified)*
Year: 1976 Scale: 1:2500	One large structure shown with similar footprint to existing bungalow Two small structures shown	Structures on the northern boundary noted as Carlton House Large and small structures shown (potentially commercial structures) circa 80m north and 120m northeast
Year: 1981 Scale: 1:10000	*(No significant change identified)*	A small structure on the sites southern boundary is shown noted as garage
Year: 1992 & 93 Scale: 1:2500	Large structure shown at the rear of site on a similar footprint to the existing greenhouse One of the small structures removed	Large structures 80m north no longer shown Residential properties commensurate to properties to date shown o the opposite side of Dog Drove North
Year: 1994 Scale: 1:2500	*(No significant change identified)*	Large structure potentially commercial shown 75m east
Year: 1999 Aerial photo	*(No significant change identified)*	A second structure 75m east shown
Year: 2000 Scale: 1:10000	*(No significant change identified)*	*(No significant change identified)*
Year: 2006 Scale: 1:10000	*(No significant change identified)*	Large structure 75m east of site has expanded
Year: 2021 Scale: 1:10000	*(No significant change identified)*	Large structure potentially commercial shown 90m north/northwest

4.2 Historical overview

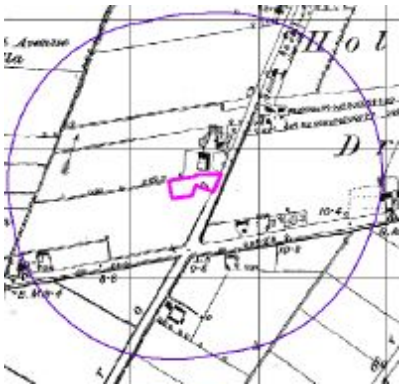
4.2.1 On site

Earliest mapping available (1887) shows the site to be open fields. The existing bungalow on the eastern section of the site is potentially shown on mapping dated 1959 but not on mapping dated 1952 which suggest it was constructed mid to late 50's, the existing smaller outbuildings within the centre of site are shown in mapping from 1976 which suggest these were added after the initial construction of the bungalow and could have been constructed on separate occasions. The existing large structure (glass greenhouse) on the western section of the site is potentially shown on mapping dated 1992-93 but not within mapping dated 1981 which suggest this may have been constructed within the 80's or early 90's, contemporary trade directory mapping note the structure as a Nursery.

4.2.2 Off site

Earliest mapping available includes Dog Drove North carriageway adjacent the site and Division Drain 185m west, possible residential structures are shown on the sites northern boundary. Further potentially residential structures are shown 500m east (Holbeach Drove) and 520m west (Whaplode Drove). No other significant changes are noted until 1976 when potential residential and commercial expansion is shown most notably within 80m north and 120m northeast of the site. A small structure noted as garage is shown on the site sites southern boundary within mapping from 1981, this could be a vehicle repair garage. In 1992-94, 1999, 2006 and 2021 further potential commercial structures are shown within 75m to 90m of the site. Figure 1 below shows extracts from available historical mapping.

Figure 1: Extracts from historical maps



1887



1959



2000



2021

5 Geology, Hydrogeology and Hydrology

5.1 Published geology maps

5.1.1 Made ground

No made ground is indicated by the local BGS map, as shown below (in Figure 2). Moreover, there is no indication of previous pits or tips at the site that might give rise to made ground.

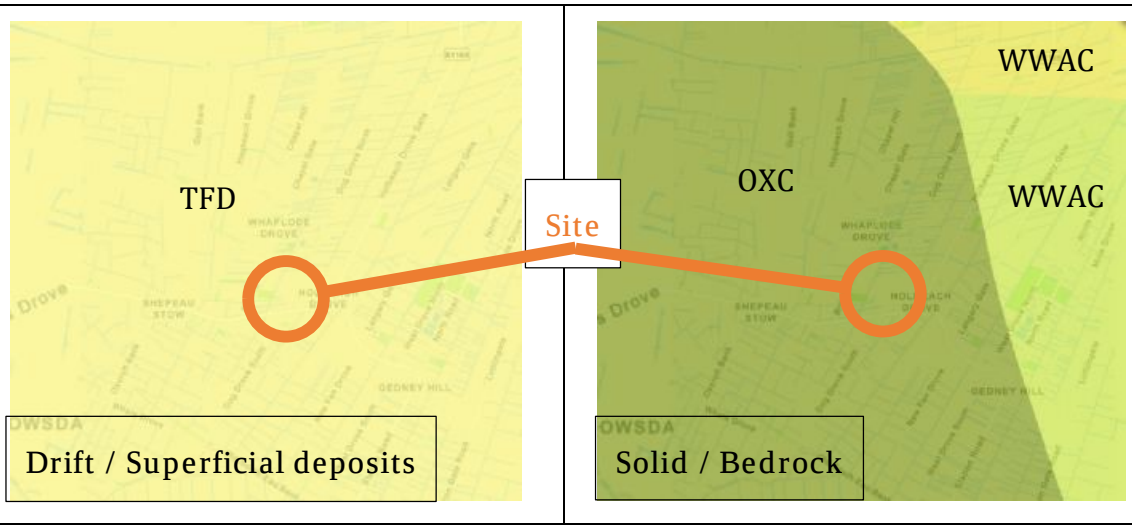
Nevertheless, the site includes a residential bungalow with garage and hardstanding driveway along with a large structure within the western section of the site which could potentially include unknown made ground below. This could be less than 1m in thickness.

5.1.2 Drift deposits

As detailed below (in Figure 2), the local BGS geology map indicates the superficial (i.e. drift) soil material below to be Tidal Flat deposits – of clays and silts or sands and silt.

The total thickness of drift / superficial deposits is unknown but is expected to be of the order of 10m to 20m. The BGS historical record of a borehole (BFS ref.: TF31SW2), drilled about 800m east of the site, reported drift deposits of at least 6.4m in thickness, as shown below (in Table 4). Other BGS boreholes drilled at similar distances from site within various directions indicate drift soils to depths ranging from 3m to 9m.

Figure 2: Extract from the local BGS geology maps



Superficial / Drift:

TFD: Tidal Flat Deposits – Clay and silt – including mud flat and sand flat deposits, are deposited on extensive nearly horizontal marshy land in the intertidal zone that is alternately covered and uncovered by the rise and fall of the tide. Often similar to alluvium, they consist of unconsolidated sediment, mainly mud and/or sand.

Solid / Bedrock:

OXC: Oxford Clay Formation Silicate-mudstone, grey, generally smooth to slightly silty, with sporadic beds of argillaceous limestone nodules.

WWAC: calcareous mudstone, silty mudstone and siltstone, with subordinate fine-grained sandstones and argillaceous limestone (cementstone) or siltstone nodules

1: 50000 Series, British Geological Survey (BGS), Sheet 158, Peterborough, Solid / Drift, © NERC

5.1.3 Solid geology

BGS mapping shows the bedrock below the site is the Oxford Clay Formation (WCK) – Mudstone, as detailed above (in Figure 2). West Walton Formation and Ampthill Clay Formation (WWAC) – Mudstone.

Table 4: BGS historical borehole records					
BGS Borehole 1		BGS Borehole 2		BGS Borehole 3	
Distance (m):	800	*Distance (m):*	250	*Distance (m):*	260
Direction:	East	*Direction:*	Southeast	*Direction:*	South / southwest
Elevation (m AOD):	c.2.82	*Elevation (m AOD):*	c. 2.67	*Elevation (m AOD):*	-
BGS ref:	TF31SW2	*BGS ref:*	TF31SW1	*BGS ref:*	TA31SW10
Date:	25/03/1966	*Date:*	25/03/1966	*Date:*	Feb1980
Water (mbgl):	Struck at 2.6m	*Water (mbgl):*	Struck at 2.6m	*Water (mbgl):*	Not known
Indicated geology:	TFD over OXC or WWAC	*Indicated geology:*	TFD over OXC	*Indicated geology:*	TFD over OXC
Stratum	*Depth to base (m bgl)*	*Stratum*	*Depth to base (m bgl)*	*Stratum*	*Depth to base (m bgl)*
Made ground: topsoil and brick rubble	0.20	Topsoil	0.46	Clay, grey-brown mottled with peaty rootlets	1.68
Firm brown mottled silty clay	1.22	Loose brown silty fine sand. Some clay	2.74	Clay, soft dark grey slightly silty	2.14
Fine (loose) brown slightly clayey silty sand	2.90	Loose grey/brown fine silty sand	6.55	Clay, soft grey with common peat rootlets – silty from 2.85m	3.14
Loose grey silty fine sand	6.40			Core loss – assumed clay	3.85
				Clay, very dark grey slightly silty	4.33
				Clay, silty occasional rootlets from 4.54m	4.85
				Silt, coarse to fine sand	5.75
				Clay occasional peaty rootlets	6.85
				Sloppy silty clay	7.15
				Clay, grey silty	7.7
				Peat	7.85

5.2 Mining and quarrying

5.2.1 BGS recorded mineral sites

There are no nearby reported BGS recorded mineral sites.

5.2.2 Mining

Non-coal mining is not expected to affect the site. A risk designation of No Hazard is given in the Envirocheck report.

The site is not in an area which could be affected by coal mining.

5.3 Anticipated geology

Based on the reviewed desk top information, the anticipated ground conditions are as shown below (in Table 5).

Table 5: Anticipated geology (subject to confirmation with site works)			
Strata	*Description*	*Thickness (m)*	*Depth to base (m bgl)*
Made ground	Possible cohesive fill, construction waste and reworked natural soils	<1	<1
Tidal flat deposits (TFD)	Soft (organic) silts and clays or silts and sands	10 – 20	10 – 20
Oxford Clay Formation (OXC)	Silicate-mudstone, grey, generally smooth to slightly silty, with sporadic beds of argillaceous limestone nodules	>50	>70

5.4 BGS geological hazards

The British Geological Survey (BGS) rates the geological hazards at the site as *No Hazard* to *Moderate*, as shown below (in Table 6). These are based on presumed ground conditions only and subject to site confirmation.

Table 6: Geological hazards	
Hazard	*Hazard potential*
Collapsible ground stability	No hazard
Compressible ground stability	Moderate
Ground dissolution stability	No hazard
Landslide ground stability	Very low
Running sand ground stability	Moderate
Shrinking & swelling clay	Low

While the BGS shrinking and swelling clay hazard potential is predicted to be *Low*, the presence of nearby trees means that shrinkage and swelling hazards could be exacerbated where clay is present. Foundations may need to be deepened and heave protection measures provided.

5.5 Hydrogeology (i.e. groundwater)

5.5.1 Groundwater table

The location of the groundwater table is unknown. The site's moderately low elevation suggests there could be some shallow groundwater present. There could also be shallow perched groundwater (e.g. in granular layers underlain by clay).

BGS historical boreholes suggest a water strikes at circa 2.6m below ground level, no resting water levels were recorded.

5.5.2 Permeability, aquifers and groundwater vulnerability

The underlying anticipated TFD superficial soils and OXC are both classed as Unproductive Strata (Unproductive Bedrock Aquifer and Unproductive Superficial Aquifer). They are likely to be of very low permeability as are the deeper anticipated glacial boulder clays. Nevertheless, there could be much shallow glacial sands and gravels of moderately high permeability.

The groundwater vulnerability soluble rock risk is None.

5.6 Hydrology (i.e. surface water)

5.6.1 Nearby water courses

There is a surface water feature (possible ditch or small land drain) adjacent the western boundary of the site which appears to drain west to Diversion Drain circa 250m west of the site. There are various other possible ditches or small drains within 100m of the site which drain west and east to Diversion Drain and Lambert Drain circa 730m east of the site.

5.6.2 Surface water abstractions

There are no surface water abstractions within 1km of the site. The nearest reported *surface water abstraction* is about 1702m north of the site and is for spray irrigation.

5.6.3 Flooding

The site is not within an area of potential for groundwater flooding. Land directly adjacent to the northeast is reported to be potential for groundwater flooding at the surface based on BGS data.

The site is reported to be within the extent of flooding and extreme flooding from rivers or sea without defences.

The site is not reported to be in an *Area Benefitting from Flood Defences* and there are no nearby reported flood water storage areas or flood defences (within 1km of the site).

The site is shown by www.gov.uk (flood maps for planning) to be in a Flood Zone 1. Land and property in *Flood Zone 1* have a reported *low* probability of flooding. Land south of the site is within a *Flood Zone 2* area.

6 Environmental Data

6.1 Pollution and pollution control

There are no recorded *contaminated land register entries and notices* near the site. There are none within 1km.

The nearest reported *discharge consent* is 169m southwest of the site. It pertains to a wastewater treatment works which discharges onto land. A further twelve discharge consents are noted within 0.5km of the site.

There are no *prosecutions relating to controlled waters* within 1km of the site.

There are no *enforcement and prohibition notices* within 1km of the site.

In relation to *(Local Authority / Integrated) Pollution Controls (and Preventions and Enforcements)*, there are no entries within 1km of the site.

The nearest reported *pollution incident to controlled waters* occurred around 655m south of the site. It was a category 3 minor incident dating back to January 1998. It was for oils/diesel effecting freshwater steam/river noted as local dykes.

There are no nearby reported *prosecutions relating to authorised processes*. There are none within 1km of the site.

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

There is no nearby reported River Quality data available within 1km of the site.

There are no reported entries on the *substantiated pollution incident register* located within 1km of the site.

There are no nearby reported *water industry act referrals* located near the site. There are none within 1km of the site.

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

6.2 Waste

6.2.1 Landfills

The nearest identified landfill is a historical landfill site about 646m east of the site (Holbeach Drove Gate). This was reported to be able to receive deposited waste including household waste. The dates of waste acceptance are not provided. The only

other historical landfill site within 1km is Geney Hill (Long Lane) 973m southeast of the site.

There are none of the following within 1km of the site relating to landfill sites, waste management (transfer) sites or potentially infilled land.

- BGS recorded landfill sites
- Integrated pollution control registered waste sites
- Licensed waste management facilities (landfill boundaries or locations)
- Local authority recorded landfill sites
- Potentially infilled land (non-water or water)
- Registered landfill sites
- Registered waste transfer sites
- Registered waste treatment or disposal sites

6.3 Soil chemistry

Estimated soil chemistry data from the BGS indicates element concentrations for rural soil around the site should be as shown below (in Table 7). These levels are not expected to pose a hazard to any environmental receptors.

Table 7: BGS Estimated Soil Chemistry

Contaminant	*Concentration (mm/kg)*	
	Rural	*Urban (topsoil)*
Arsenic	15 – 25	No data available
Cadmium	<1.8	
Chromium	60 – 90	
Lead	<100	
Nickel	30 – 45	

6.4 Radon

With respect to *radon potential*, the site is in an *Lower* probability radon *area* in which less than 1% of homes are estimated to be at or above the *Action Level*. Therefore, BGS and National Geoscience Information Services report that: "No radon protection measures are necessary in the construction of new dwellings or extensions".

6.5 Industrial land use

As detailed earlier (in Section 4), historical maps and photos have shown the site to have included a large glass greenhouse noted as nursery and adjacent site to the site noted as a garage which may have been a vehicle repair garage from visual assessment.

The nearest reported *Contemporary Trade Directory Entry* was for Ross Mackintosh (engineering services) 209m southwest of the site and has an inactive status. The next nearest is WH Fowler and Sons (Bus & Coach operators & Stations) 336m northwest also noted as inactive. The nearest active status entry is 478m east of the site noted as The Stores & Filling Station (Petrol filling stations).

The nearest reported *Point of Interest (POI) for commercial services* is 484m west of the site. It pertains to Wrights Transport, distribution and haulage.

The nearest reported *Point of Interest (POI) for manufacturing and production* is located 119m northeast of the site. It concerns industrial features noted as Tanks (Generic). The next nearest is 448m east of the site associated to Rosedale Farm & Nurseries for arable farming.

The nearest reported *Point of Interest (POI) for public infrastructure* is about 336m south of the site. It pertains to Wrights Transport, bus and coach stations, depots and companies.

There are no nearby reported *Points of Interest (POI) for education and health*. There are none within 1km.

The nearest reported *Point of Interest (POI) for recreational and environmental*. There are none within 1km.

The nearest reported *fuel station* is 477m east of the site.

6.6 Sensitive land use

There are no identified sensitive land uses at or near the site.

7 Initial Contaminated Land Assessment

7.1 Assessment principles

Current legislation and best practice, such as Part IIA of the Environmental Protection Act (1990) and the Land Contamination Risk Management (LCRM) guidance, available online (at the UK government website), recommend that potentially contaminated land is managed using a risk-based approach. Model procedures to assess the risks from contaminated land involve the development of a conceptual site model (CSM) and the identification and assessment of relevant contaminant linkages.

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

The risk from a potential contamination can be assessed as a product of the severity of the consequences that might arise from of the contamination hazard and the probability of the hazard occurring, as outlined in CIRIA C552 (Rudland et al., 2001). The definitions used to perform the risk assessment for the subject site are shown below (in Tables 8 to 11).

Table 8: Severity of contamination hazard being realised

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

Table 9: Probability of hazard being realised

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

A matrix can be used to determine a suitable risk classification, as shown below (in Table 10). The largest risks are where the severity of the contaminant is great and the probability of the contaminant linkage occurring is highly likely. The definitions of the different classifications used in this assessment, based on CIRIA C552 (Rudland *et al.*, 2001), are also shown below (in Table 11).

Table 10: Risk classification matrix					
		Consequence			
		Severe	*Medium*	*Mild*	*Minor*
Probability	*Highly likely*	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low

Table 11: Risk classification definition	
Classification	*Definition*
Very High	There is a high probability that severe harm could arise to a designated receptor from an identified hazard or there is evidence that severe harm to a designated receptor is currently occurring. This risk if realised is likely to result in a substantial liability. Investigation and or remediation is required.
High	Harm is likely to a designated receptor from an identified hazard or there is evidence that severe harm to a designated receptor is currently occurring. This risk if realised is likely to result in a substantial liability. Investigation and or remediation may be necessary in the short term and likely over the long term.
Moderate	It is possible that harm could arise to a designated receptor from the identified hazard. However, it is relatively unlikely that such a hazard would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation is normally required to clarify and determine the potential risk. Some remedial works may be required in the long term.
Low	It is possible that harm could arise to a designated receptor from the hazard identified but is likely that this hazard if realised would at worst normally be mild.
Very low	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe

7.2 Initial conceptual site model (CSM)

The following conceptual site model considers all plausible sources, pathways and receptors of potential contamination. This is based on the proposed development which is (mainly) residential with some expected garden areas.

7.2.1 Sources of contamination

Based on the assembled desk study information, the identified potential sources of contamination are shown below (in Table 12). At this stage, some sources are considered even where there might potentially be no plausible pathway to the site or where the associated contamination might not be a viable hazard to receptors.

Table 12: Potential sources of contamination								
Location	*Source*	*Potential contaminants of concern*						*Viable source of contam?*
		Soil & groundwater					*Gas*	
		Metals & metal-loids	*Polycyclic aromatic hydro-carbons (PAHs)*	*Asbestos*	*Petroleum hydro-carbons*	*Pesticides & Herbicides*	*Hazard-ous ground gases*	
On-site	1 - Made ground (probably shallow) beneath the site, e.g. of hardstanding drive and base to nursery greenhouse	**P**	**P**	**P**				Yes
	2 - Former land use: domestic gardens including domestic garage				**P**			No
	3 - Thick (organic) tidal flat deposits						**P**	No
	4 – Former land use (nursery)	**P**			**P**	***P**		*No Yes
Off-site	5 - Nearby former Garage (adjacent property, southern boundary)				**P**			Yes

The proposed redevelopment of the site will involve demolishment of existing structures and relocating proposed house and garage. This will expose unknown made ground below hardstanding and existing structures. This could contain various contaminants (e.g. metals, PAHs and asbestos).

The previous land use includes domestic gardens including a garage and other outbuildings. While there could have been some limited spillage and leaks of petroleum hydrocarbons, the likelihood of this is considered too low to make this a viable contamination source, especially considering historical photo evidence shows the site to appear in good condition.

The anticipated tidal flat deposits could contain highly organic, peaty soils. However, evidence from nearby boreholes (e.g. as shown later in Appendix D), suggests that the organic soils are of limited peat content with only occasional peaty rootlets noted. Therefore, highly organic natural soils are not considered to be a viable pollution source.

The previous land use (western section of the site) indicates a nursery which appears to be a large glass greenhouse. Some use of potential pesticides and herbicides may have occurred within the greenhouse although it is anticipated quantities would be low. Typically, greenhouses are an above ground growth process with no direct contact

to the sites soil with minimal pesticide and herbicide use as mass spraying would not be feasible internally. Minimal usage with no direct pathway to the sites soil is anticipated. A block plinth was noted on the site walkover adjacent the greenhouse as photographed within appendix A, anecdotal information confirm that the plinth supported an above ground oil heating tank for the greenhouse. No evidence of leaks or spills were noted but cannot be ruled out.

It is possible that contamination from the adjacent Garage could have somehow migrated onto the site. This could include storage or spillages of petroleum products. Migration from the adjacent site could be a plausible pathway if storage of petroleum products or evidence or spillages are noted within the vicinity of the boundaries.

7.2.2 Pathways

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

- Inhalation (i.e. indoor or outdoor dust or vapour).
- Ingestion (i.e. swallowing soil, dust).
- Absorption (i.e. dermal contact with soil).
- Migration (i.e. vertical/lateral movement through soil, rock, groundwater, building materials, voids and along services).

In outdoor areas, the pathways for soil contaminants are likely to mainly be inhalation of dust, ingestion and absorption. In gardens and soft landscaped areas particularly, there is opportunity for direct exposure to soil contaminants including the potential consumption of home grown produce which could contain pollutants.

Within any indoor areas, the main pathway from pollutants to people is typically through the inhalation of vapours and gases. This could include some of the more volatile hydrocarbons as well as permanent gases such as carbon dioxide and methane.

Migration of fluid contamination can occur through permeable soil and rock sub-strata. Liquid leachate contamination will typically tend to flow down vertically through unsaturated permeable strata and spread out more laterally when it reaches impermeable strata or saturated ground.

Migration can occur to facilitate other pathways. For example, inhalation of vapours may occur after migration through soil strata. Also, migration may result in the build-up and combustion of some ground gases, e.g. methane.

7.2.3 Receptors

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

- human site users (i.e. children, site workers, trespassers)
- controlled waters (i.e. bodies of groundwater and surface water)
- building materials and services (e.g. clean water pipework and buried concrete)
- ecological systems (e.g. local wildlife)
- adjacent site users (e.g. humans, ecological systems)

7.3 Preliminary risk assessment (PRA)

A preliminary risk assessment of identified possible potential contamination linkages which also shows the findings of the initial conceptual site model is presented below (in Table 13).

Table 13: Initial conceptual site model and preliminary risk assessment

Initial conceptual site model			*Preliminary risk assessment*			
Potential source	*Potential pathway*	*Potential receptor*	*Probability*	*Severity*	*Risk rating*	*Comments*
1. Made ground (probably shallow) beneath the site, e.g. of Hardstanding driveway & greenhouse base PAHs, metals, asbestos 4. Former land use (nursery) Metals, TPHs 5. Nearby former garage TPHs	Inhalation, ingestion, absorption	Site users	Low likelihood	Medium	Low/ Moderate	Potential contaminants could pose a risk to future site occupants including children – especially in garden areas. Leaks or spillages from previous above ground heating oil tanks may have occurred. Excessive TPH vapours within structures could pose a risk to future site occupants if a TPH source is identified from the adjacent former garage. The likelihood of harm to controlled waters is very low due to the limited anticipated contamination sources and the presence of thick low permeability drift soils.
		Site workers	Low likelihood	Mild	Low	
	Inhalation of vapours	Site users	Low likelihood	Medium	Low/ Moderate	
		Site workers	Unlikely	Mild	Very low	
	Migration	Aquifer waters	Unlikely	Medium	Low	
	Migration	Surface waters	Unlikely	Mild	Very low	
	Ingestion, absorption	Local flora and fauna	Unlikely	Mild	Very low	
	Aggressive attack	Building materials	Unlikely	Mild	Very low	

Risk ratings of *very low* or *low* are not considered significant while higher risk ratings (of *Moderate / Low* or above) are deemed unacceptable. The source-pathway-receptor associated with an unacceptable risk constitutes a potential contamination linkage (PCL) which needs further consideration.

Some contamination risks do not require consideration as they will be mitigated as a matter of course through standard construction practices. For example, the risk of sulphate attack on buried concrete should be alleviated by design to BRE Special Digest 1 (2005). The risk of attack to water supply pipes will be managed by adherence to local water authority requirements which will require an assessment of risk based on the findings presented in this report and any other contamination investigation reports.

7.3.1 Potential contamination linkages (PCLs)

The preliminary risk assessment has identified two potential contamination linkage (PCL) with Low/Moderate risk, as shown below (in Table 14). Other contamination linkages are considered to be of acceptably low risk (i.e. very low or low risk) and are not expected to require further attention. PCL1, however, merits further consideration and possible action.

Table 14: Unacceptable contamination risks (from preliminary risk assessment)

Ref.	*Source*	*Pathway*	*Receptor*	*Risk rating*
PCL1	1. Made ground (probably shallow) beneath the site, e.g. of hardstanding driveway and greenhouse base PAHs, metals, asbestos	Inhalation, ingestion, absorption	Site users	Low / Moderate
PCL2	4. Former land use (nursery) above ground heating oil tank Metals, TPHs 5. Nearby former garage TPHs	Inhalation, ingestion, absorption	Site users	Low / Moderate

7.3.2 Risks to human health (future site users)

There are unacceptable risks identified with respect to the health of future site users. Human health could be harmed by contaminants in soil (e.g. asbestos, metals, PAHs and TPHs) via garden areas through several pathways: inhalation of dust, ingestion or absorption and via indoor areas through inhalation.

7.3.3 Risks to human health (construction workers)

No significant risk has been identified with respect to the health of construction workers. There are contamination hazards from the identified potential sources of contamination. However, any risks to health should be acceptable when they are dealt with by a competent contractor.

It is noted that a competent contractor is expected to provide adequate training and supervision to groundworkers to mitigate the risks of dealing with potentially contaminated made ground. It is expected that suitable personal protective equipment (PPE) and welfare facilities will be provided to groundworkers and appropriate and safe methods of work will be adopted and maintained.

7.3.4 Risks to controlled waters

No potentially significant risk has been identified with respect to controlled waters. That is, groundwater bedrock aquifer receptors are assessed to be safe from any potential pollution at the site. The sources of viable contamination are limited and the groundwaters should be well protected by low permeability drift soils.

7.3.5 Hazardous ground gas

An acceptably low risk has been identified with respect to hazardous ground gas. No viable sources of harmful ground gas has been identified. No records of nearby landfills or mineworkings have been found and no deep (degradable) made ground is anticipated. Tidal flat deposits are anticipated below the site but are not expected to be very peaty, based on nearby borehole evidence.

7.4 Remediation options

At this stage, no remediation options are evaluated to address the risks posed to the human health of future site users. It is recommended that further investigation is carried out to collect further information about the identified potential contamination linkage (PCL1 & PCL2) to determine if remediation is necessary and, if so, what remediation is appropriate.

7.5 Further works

It is recommended that several sample holes be carried out around the site to determine the ground conditions – notably the nature and extent of any potentially contaminated made ground or natural soils. Samples of near surface soils should be subjected to tests for some of the identified contaminants of concern (e.g. TPHs, PAHs, metals and asbestos). The results should be used to complete a revised conceptual site model and risk assessment.

7.6 Reuse of site won material

In situ clean natural soil materials should be suitable for reuse on site provided no elevated contamination is found or suspected. However, should any evidence of potential contamination be found then this material would be unsuitable for reuse without further assessment by a competent environmental engineer.

It should be noted that demolition materials, grubbed up hardstanding or excavated potentially contaminated made ground soils will not be suitable for reuse on the site (unless covered by a suitable waste permit, exemption or protocol). Any such materials will need to be remediated (e.g. removed off site as waste).

7.7 Unforeseen contamination

Any unforeseen contamination (for example, petroleum odours/staining or asbestos containing materials) encountered during the development of the site must be monitored and reported to the local authority. Work shall be halted in any area of the

revealed potential contamination and the contamination investigated and assessed to the satisfaction of the local authority.

7.8 Water supply pipework

There is some potential for contamination of the ground with hydrocarbons (namely TPHs and PAHs). If significant TPH or PAH contamination is found, then PVC or PE water supply pipework might not be suitable and barrier piping may be required. Further guidance is detailed in UK Water Industry Research publication: *Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites* (UKWIR, 2011). At this stage, it might be prudent to make allowance for the provision of barrier piping for water supply across the site.

8 Summary & Conclusions

8.1 Proposed development

The proposed works consist of demolishment of existing residential bungalow, garage and glass greenhouse and construct a new residential dwelling. The house will include gardens, parking garages and off-road parking areas.

8.2 Desk study information

8.2.1 Location and size

The site is located off (and to the west of) Dog Drove North, Spalding, post code PE12 0SA. The site is centred around grid reference 532100, 312340.

The site occupies an irregular tract of land which is about 80m in length and about 28m in width with a pinch point around the centre of the site which reduces to a width of about 15m. It covers a total area of about 0.19 hectares.

8.2.2 Site features

The site is currently a vacant residential dwelling with associated hardstanding, garage and large glass greenhouse to the rear of site. The ground surface is a mixture of glass to the front of the bungalow and to the rear of site around the greenhouse, the centre of the site between the bungalow and garage is hardstanding construction of asphalt concrete and concrete.

There were not noted to be any trees or shrubs within the site, but some trees were noted along the northern boundary of the site.

8.2.3 Topography

The site is reasonably flat and level and at a relatively low elevation (about 1m and 2m above Ordnance datum). The site is within a vast area of low lying land and is kept free from inundation by land drainage.

8.2.4 Site History

The site was open fields until mid to late 50s when the existing bungalow on the eastern section of the site is potentially shown, the existing smaller outbuildings within the centre of site were subsequently added at a later date shown on mapping from 1976. The existing large structure (glass greenhouse) on the western section was constructed

within the 80's or early 90's, contemporary trade directory mapping noted the structure as a Nursery.

The adjacent land has generally only experienced residential or agricultural use, but an adjacent structure on the southern boundary was previously noted as a garage.

8.2.5 Geology

The anticipated ground conditions are as shown below (in Table 15). This is based on geology map information and historical borehole records, as shown later (in Appendix D).

Table 15: Anticipated geology (subject to confirmation with site works)			
Strata	*Description*	*Thickness (m)*	*Depth to base (m bgl)*
Made ground	Possible cohesive fill, construction waste and reworked natural soils	<1	<1
Tidal flat deposits (TFD)	Soft (organic) silts and clays or silts and sands	10 – 20	10 – 20
Oxford Clay Formation (OXC)	Silicate-mudstone, grey, generally smooth to slightly silty, with sporadic beds of argillaceous limestone nodules	>50	>70

8.2.6 Hydrogeology (i.e. groundwater)

The location of the groundwater table is unknown. The site's moderately low elevation suggests there could be some shallow groundwater present. There could also be shallow perched groundwater (e.g. in granular layers underlain by clay).

BGS historical boreholes suggest a water strikes at circa 2.6m below ground level, no resting water levels were recorded.

The underlying anticipated TFD superficial soils and OXC are both classed as Unproductive Strata (Unproductive Bedrock Aquifer and Unproductive Superficial Aquifer). They are likely to be of very low permeability as are the deeper anticipated glacial boulder clays. Nevertheless, there could be much shallow glacial sands and gravels of moderately high permeability.

The groundwater vulnerability soluble rock risk is None.

8.2.7 Hydrology (i.e. surface water)

There is a surface water feature (possible ditch or small land drain) adjacent the western boundary of the site which appears to drain west to Diversion Drain circa 250m west of the site. There are various other possible ditches or small drains within 100m of the site

which drain west and east to Diversion Drain and Lambert Drain circa 730m east of the site.

There are no surface water abstractions within 1km of the site. The nearest reported *surface water abstraction* is about 1702m north of the site and is for spray irrigation.

The site is not within an area of potential for groundwater flooding. Land directly adjacent to the northeast is reported to be potential for groundwater flooding at the surface based on BGS data.

The site is reported to be within the extent of flooding and extreme flooding from rivers or sea without defences.

The site is not reported to be in an *Area Benefitting from Flood Defences* and there are no nearby reported flood water storage areas or flood defences (within 1km of the site).

The site is shown by www.gov.uk (flood maps for planning) to be in a Flood Zone 1. Land and property in *Flood Zone 1* have a reported *low* probability of flooding. Land south of the site is within a *Flood Zone 2* area.

8.2.8 Waste

The nearest identified landfill is a historical landfill site about 646m east of the site (Holbeach Drove Gate). This was reported to be able to receive deposited waste including household waste. The dates of waste acceptance are not provided. The only other historical landfill site within 1km is Geney Hill (Long Lane) 973m southeast of the site.

8.2.9 Radon

With respect to *radon potential*, the site is in a *Lower probability radon area* such that no radon protection measures are necessary.

8.3 Contamination assessment

8.3.1 Initial conceptual site model

Potential sources of soil contamination and contaminants of concern include the following.

1. Made ground (probably shallow) beneath the site, e.g. of hardstanding drive and base to nursery greenhouse – metals, PAHs and asbestos
2. Former land use: domestic gardens and domestic garage – petroleum hydrocarbons

3. Possible thick organic tidal flat deposits – hazardous ground gases
4. Former land use (nursery) – pesticides, herbicides, metals and TPHs
5. Nearby former Garage – petroleum hydrocarbons

Based on further consideration, only made ground (item 1, above), former land use (item 4 above ground heating oil tank) and nearby former garage (item 5, above) are considered to be a viable source of potentially harmful contamination.

Various contamination pathways (e.g. migration, ingestion and inhalation) and receptors (e.g. future site users and controlled waters) have been considered.

8.3.2 Preliminary risk assessment (PRA)

A preliminary risk assessment has identified two potential contamination linkage (PCL) with Low/Moderate risk, as shown below (in Table 16). Other contamination linkages are considered to be of acceptably low risk.

Table 16: Unacceptable contamination risks (from preliminary risk assessment)

Ref.	*Source*	*Pathway*	*Receptor*	*Risk rating*
PCL1	1. Made ground (probably shallow) beneath the site, e.g. of hardstanding driveway and greenhouse base PAHs, metals, asbestos	Inhalation, ingestion, absorption	Site users	Low / Moderate
PCL2	4. Former land use (nursery) above ground heating oil tank Metals, TPHs 5. Nearby former garage TPHs	Inhalation, ingestion, absorption	Site users	Low / Moderate

8.3.4 Remediation options and further works

At this stage, no remediation options are evaluated to address the risks posed to the human health of future site users. It is recommended that several sample holes be carried out around the site to investigate potential contamination. The results should be used to complete a revised conceptual site model and risk assessment.

8.3.5 Reuse of site won material

In situ clean natural soil materials should be suitable for reuse on site provided no elevated contamination is found or suspected. Potentially contaminated made ground soils will not be suitable for reuse on the site (unless covered by a suitable waste permit, exemption or protocol).

Any unforeseen contamination (for example, petroleum odours/staining or asbestos containing materials) encountered during the development of the site must be contamination investigated and assessed to the satisfaction of the local authority.

8.3.6 Water supply pipework

There is some potential for contamination of the ground with hydrocarbons (namely TPHs and PAHs). Allowance should be made for the provision of barrier piping for water supply.

-- End of Report --

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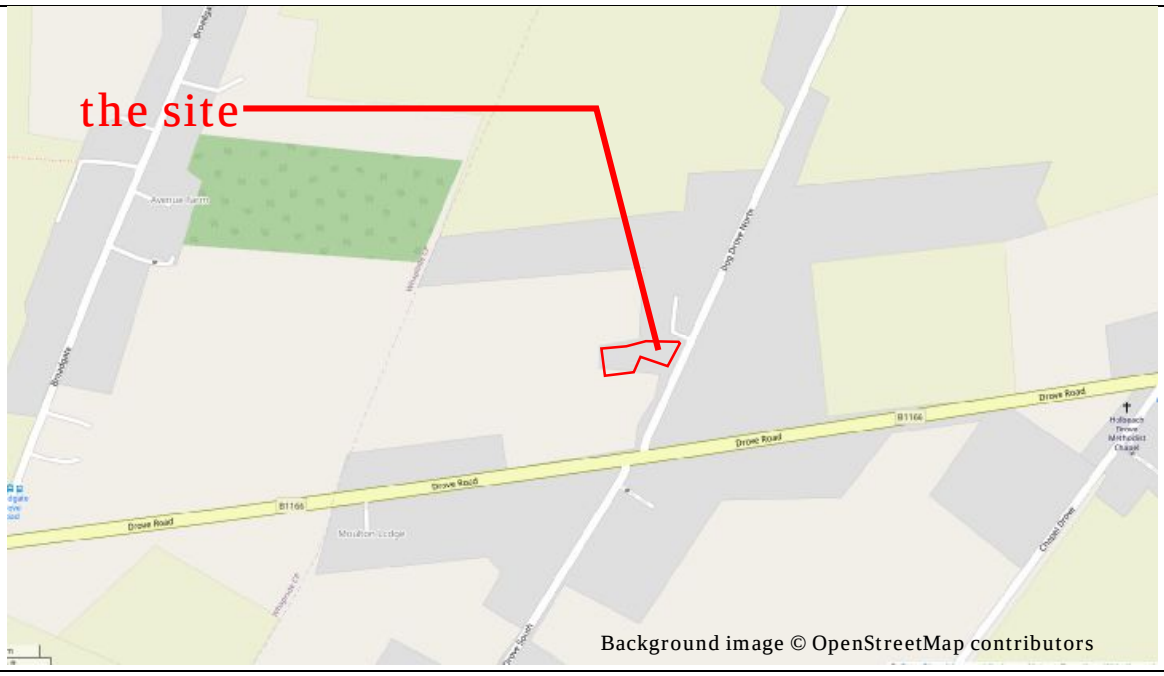
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Appendix A

Plans & Photographs



Site location plan *Date copied:* 16 August 2022 *Source:* openstreetmap.org



Background image © 2022 Getmapping plc

Imagery date: 1999

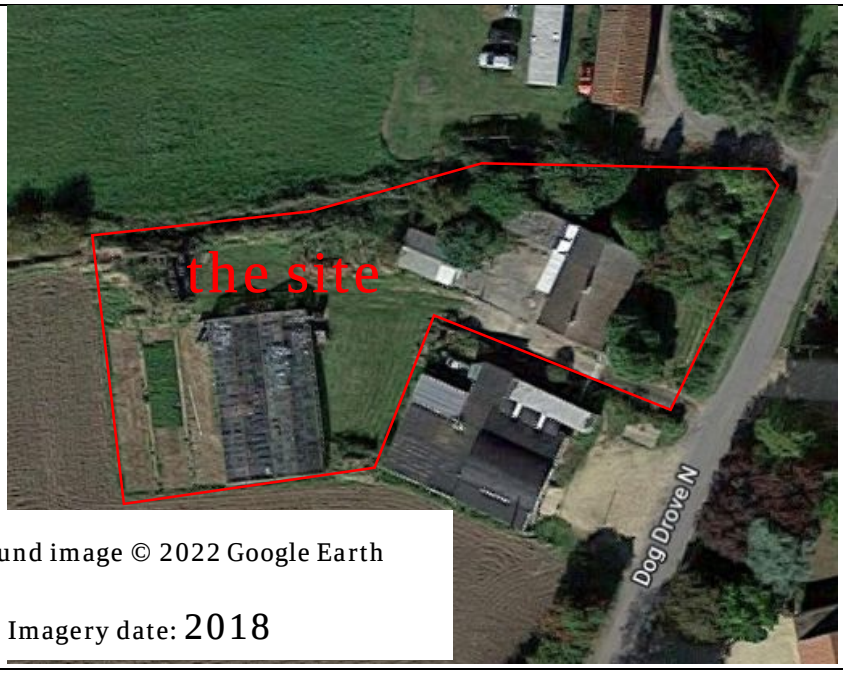
Historical aerial photograph: 1; Date copied: 16 Aug 2022; *Source:* Getmapping plc



Background image © 2022 Getmapping plc

Imagery date: 2021

Historical aerial photograph: 2; Date copied: 16 Aug 2022; *Source:* Getmapping plc

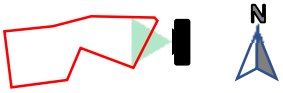


Background image © 2022 Google Earth

Imagery date: 2018

Historical aerial photograph: 3; Date copied: 16 Aug 2022; *Source:* Google Earth Pro



Site Photo: 1 *Date:* 16 Aug 2022 *Photo direction:* West *Description:* Site access and front elevation of property	Camera position: 



Site Photo: 2 *Date:* 16 Aug 2022 *Photo direction:* Southwest *Description:* Hardstanding driveway	Camera position: 



Site Photo: 3 *Date:* 16 Aug 2022 *Photo direction:* North *Description:* Hardstanding area between property and garage	Camera position: 



Site photo: 4 *Date:* 16 Aug 2022 *Photo direction:* Northwest *Description:* Existing garage	Camera position: 



Site photo: 5 *Date:* 16 Aug 2022
Photo direction: South
Description: Adjacent garage heating oil tank

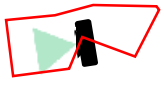
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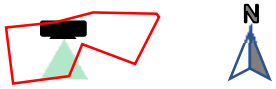


Site photo: 6 *Date:* 16 Aug 2022
Photo direction: Southwest
Description: Existing greenhouse and previous above ground plinth for heating oil tank

Camera position:

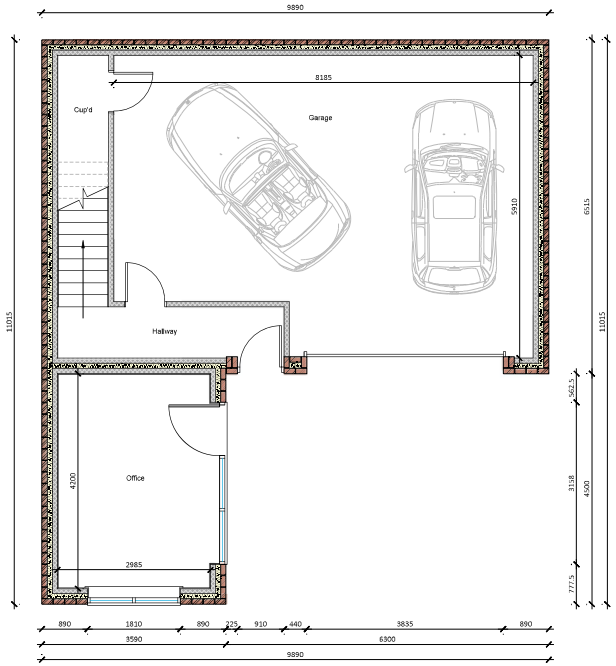




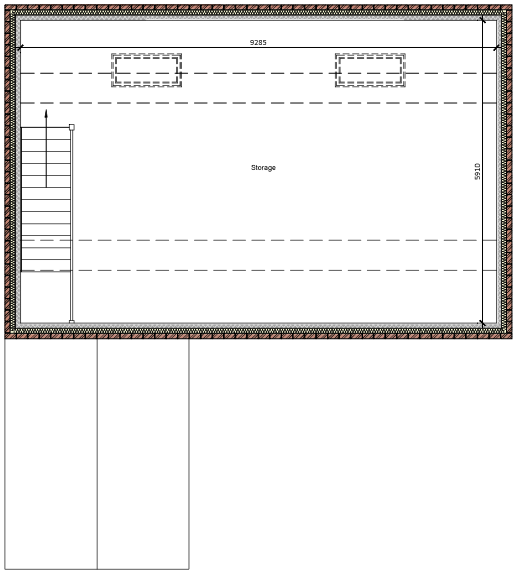
Site photo: 7 *Date:* 16 Aug 2022 *Photo direction:* South *Description:* General view (grassed area)	Camera position: 



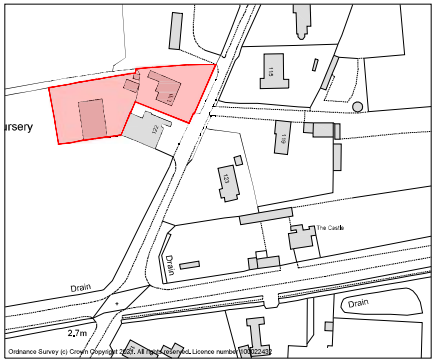
Site photo: 8 *Date:* 16 Aug 2022 *Photo direction:* Southwest *Description:* Inside existing greenhouse (above ground planting)	Camera position: 



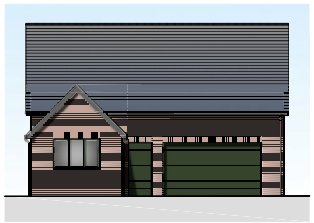
Garage Ground Floor Plan
Scale 1:50



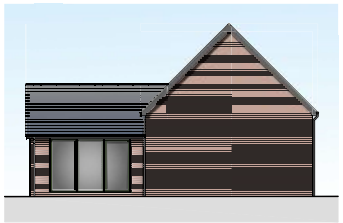
Garage First Floor Plan
Scale 1:50



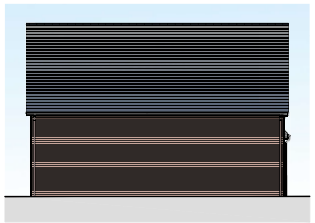
Site Location Plan
Scale 1:1250



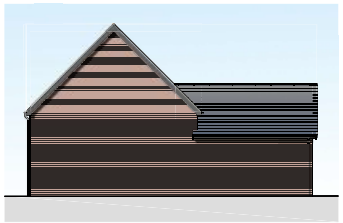
Garage Front (SE) Elevation
Scale 1:100



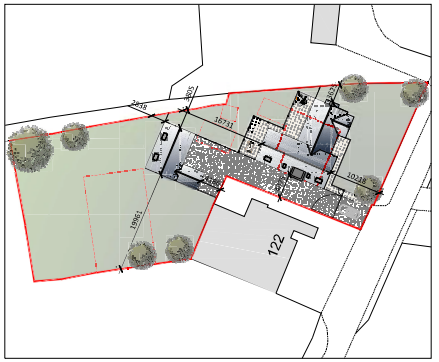
Garage Side (NE) Elevation
Scale 1:100



Garage Rear (NW) Elevation
Scale 1:100



Garage Side (SW) Elevation
Scale 1:100



Proposed Block Plan
Scale 1:500

REV	DESCRIPTION	DATE

PROJECT: REPLACEMENT DWELLING

DRAWING: PROPOSED GARAGE FLOOR PLANS & ELEVATIONS
PROPOSED BLOCK PLAN SITE LOCATION PLAN

SIZE: A1 | CLIENT: Mr J. Caley & Miss S. Neve

DATE: 08/03/2022 | VERIFIED: CT | Do Not Scale From This Drawing | SCALE: as labelled | DRAWN BY: JC | JOB NO: 0292/22/P03

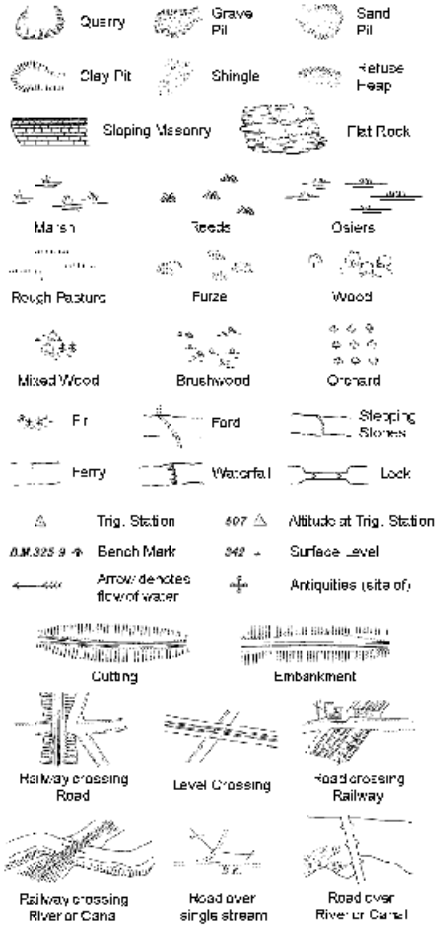
DESCRIPTION: PROPOSED REPLACEMENT DWELLING AT 120 DOG DROVE NORTH, HOLBEACH DROVE DRAINS, LINCS, PE12 0SA

Appendix B

Historical Maps

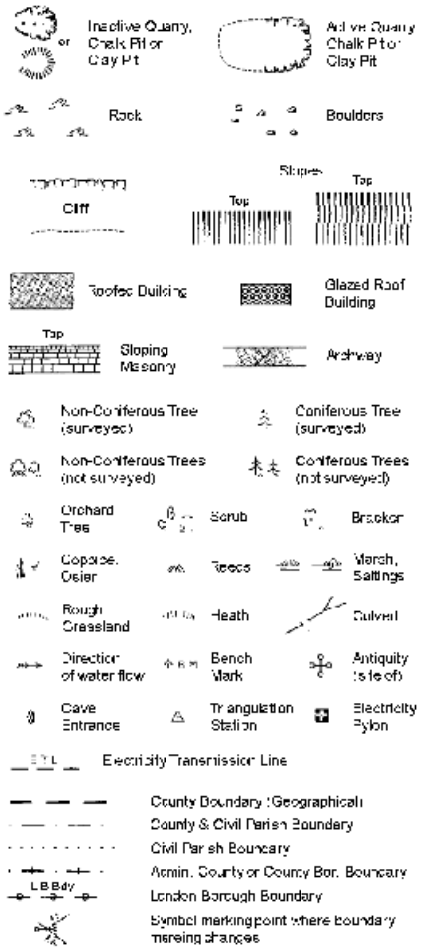
Historical Mapping Legends

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



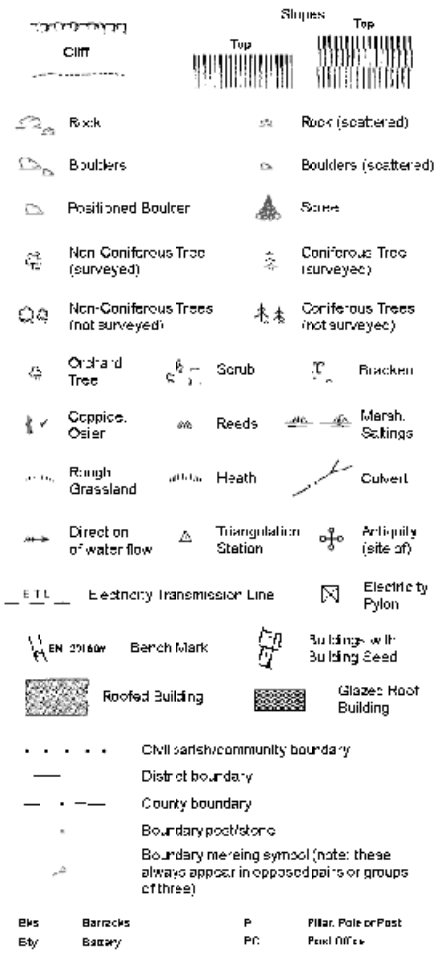
B.P. B.S.	Boundary Post or Stone	P.C.B.	Police Call Box
B.R.	Bridle Road	P.	Pump
E.P.	Electricity Pylon	S.P.	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P.	Guide Post or Board	T.C.B.	Telephone Call Box
M.S.	Mile Stone	Tr.	Trough
M.P. M.R.	Mooring Post or Ring	W.	Well

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



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Conveniences
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
EIP	Electricity Pillar or Post	SB, B 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
N L	Normal Tide Limit	Wd Pp	Wind Pump

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

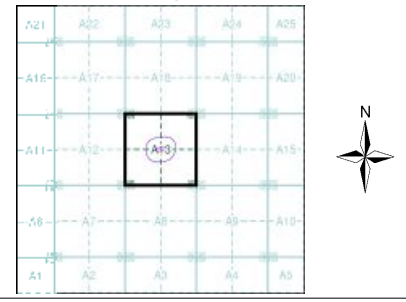


Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Pmp Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

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	1976	4
Additional SIMs	1:2,500	1992 - 1993	5
Large-Scale National Grid Data	1:2,500	1994	6
Historical Aerial Photography	1:2,500	1999	7

Historical Map - Segment A13



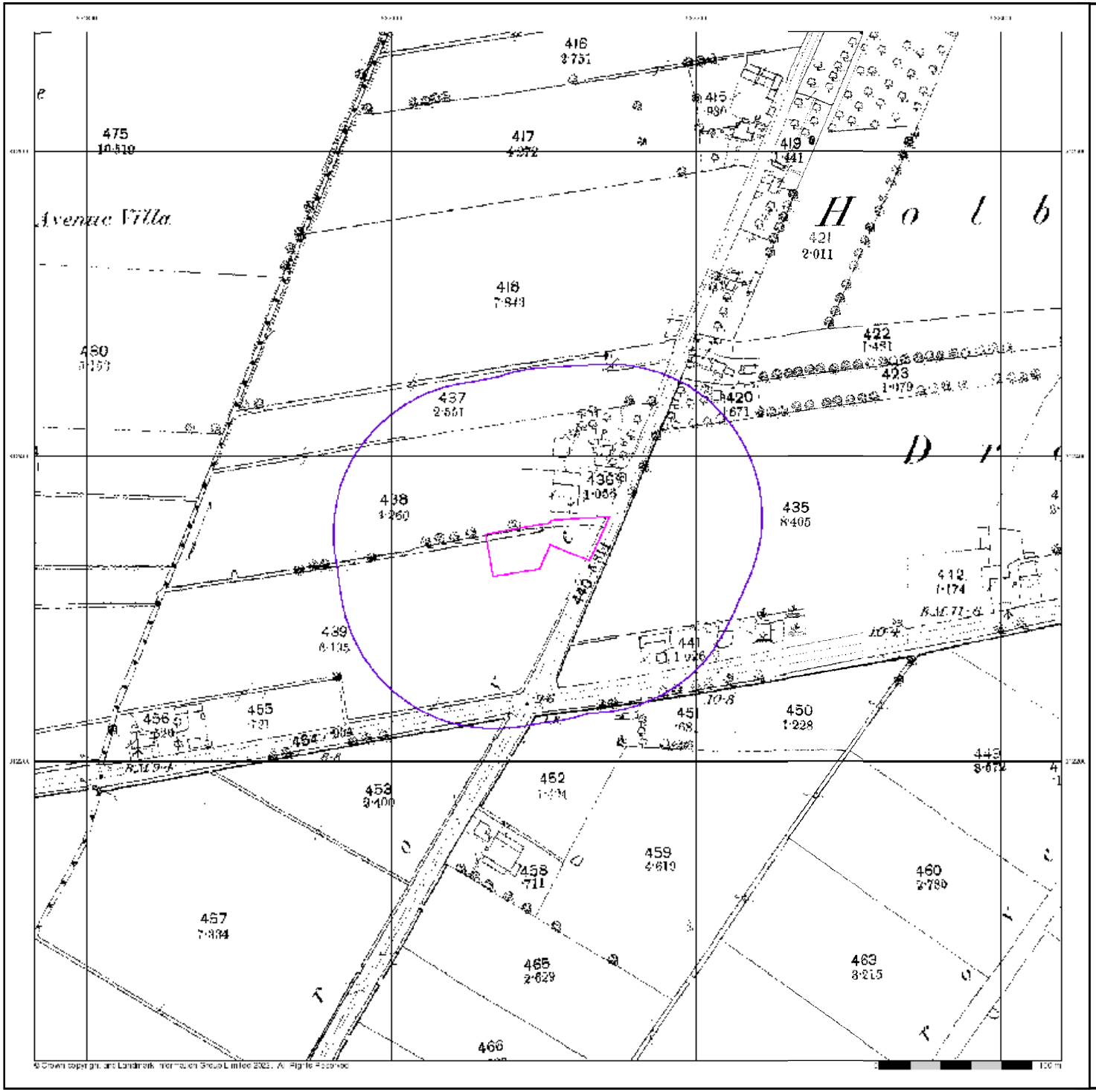
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National Grid Reference: 532100, 312340
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA

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100 m

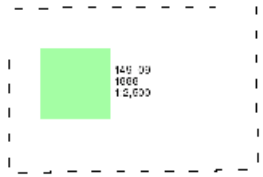
Lincolnshire

Published 1888

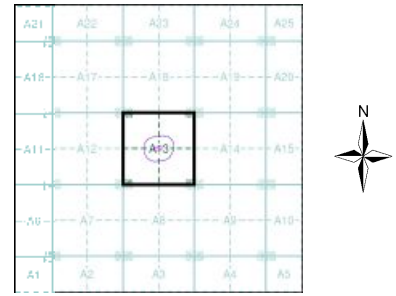
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



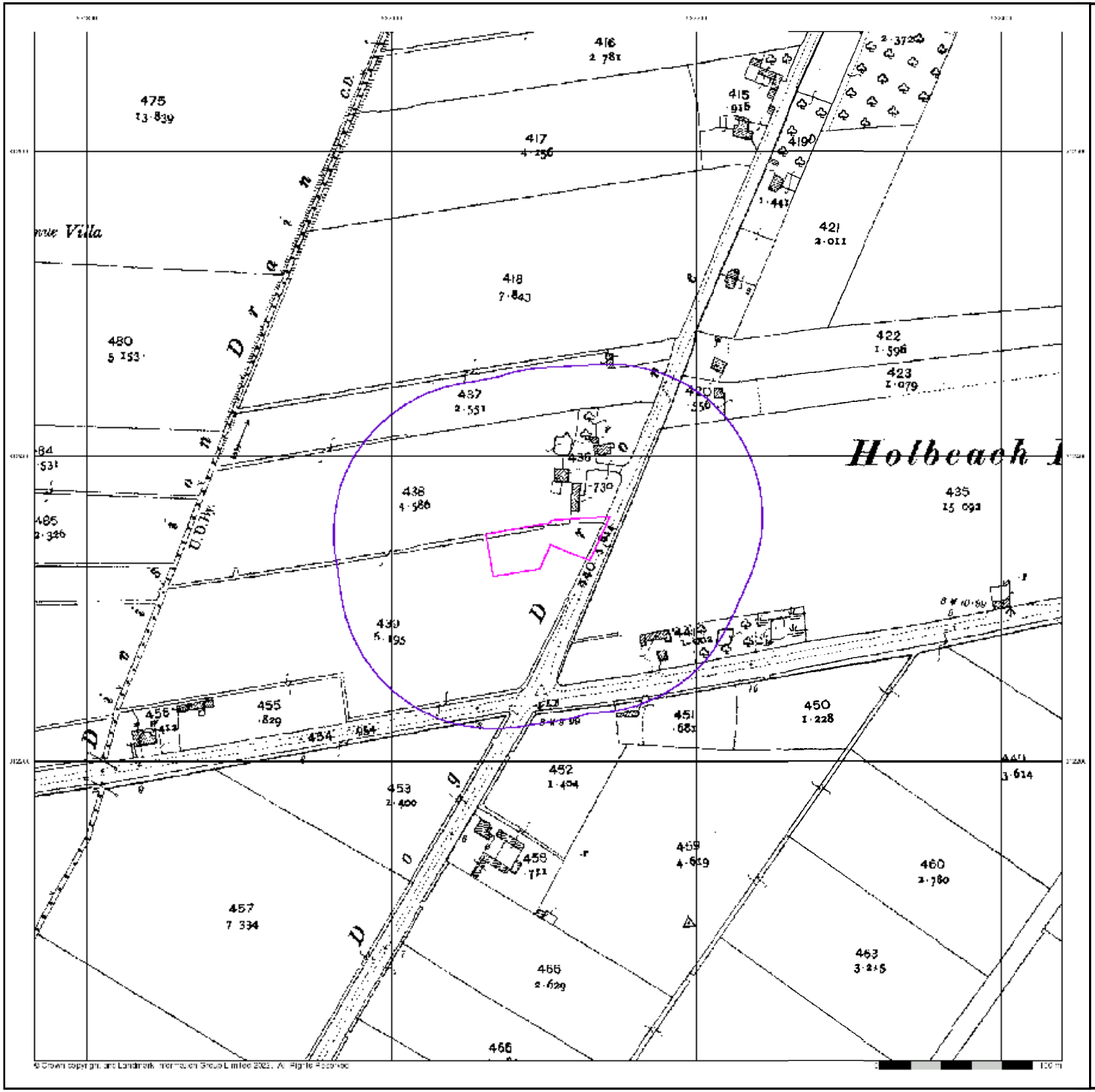
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Search Buffer (m):	100

Site Details

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA

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100 m

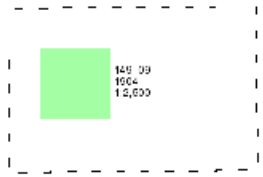
Lincolnshire

Published 1904

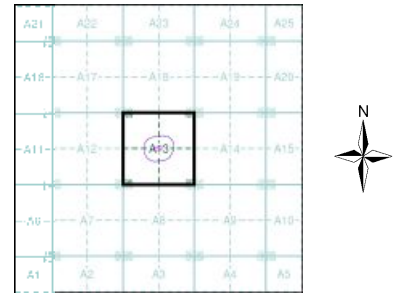
Source map scale - 1:2,500

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)



Historical Map - Segment A13



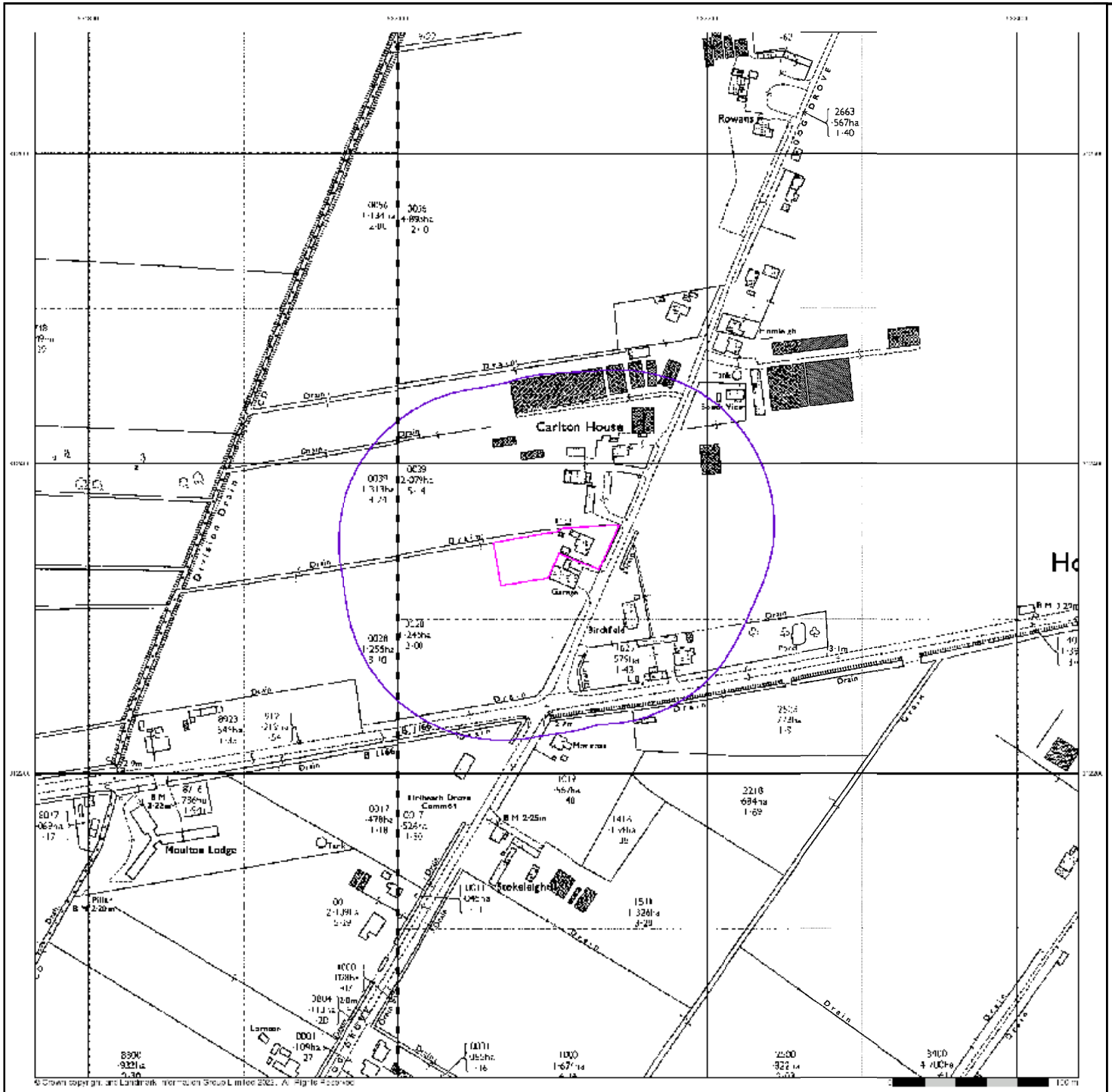
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Slice:	A
Site Area (Ha):	0.19
Search Buffer (m):	100

Site Details

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA

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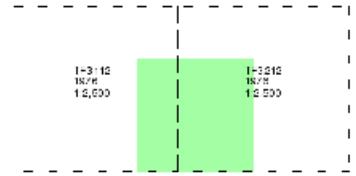
Ordnance Survey Plan

Published 1976

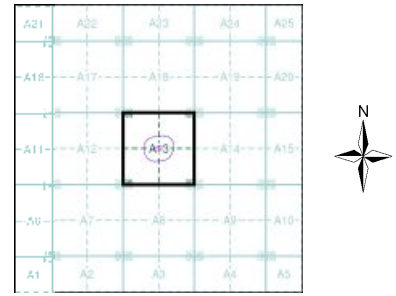
Source map scale - 1:2,500

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)



Historical Map - Segment A13



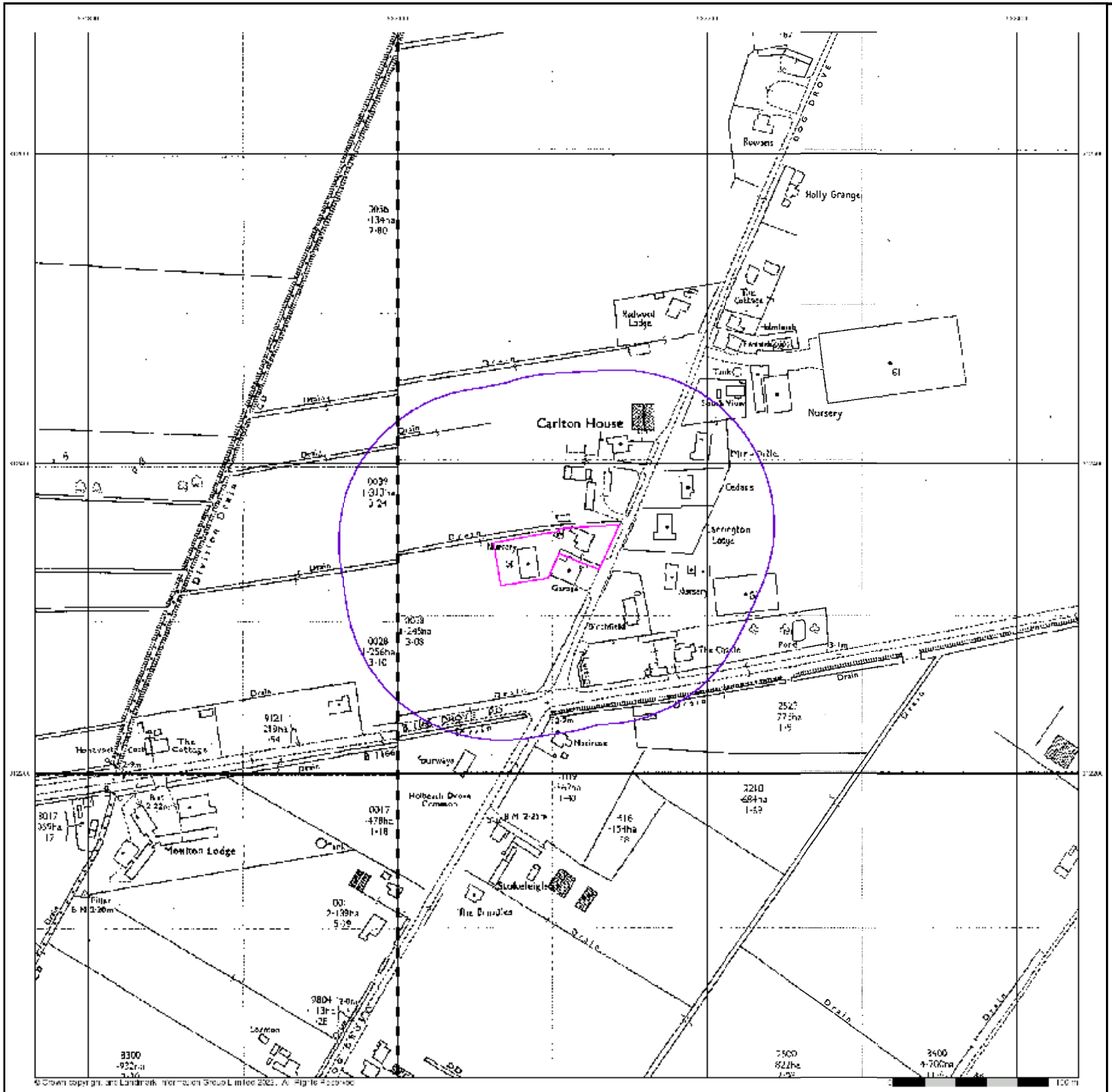
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National Grid Reference:	532100, 312340
Slice:	A
Site Area (Ha):	0.19
Search Buffer (m):	100

Site Details

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA

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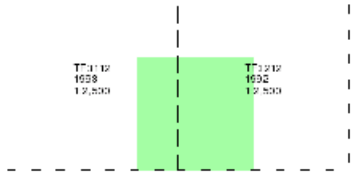
Additional SIMs

Published 1992 - 1993

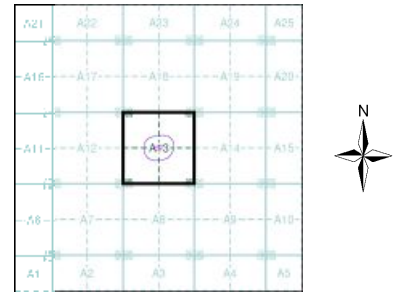
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



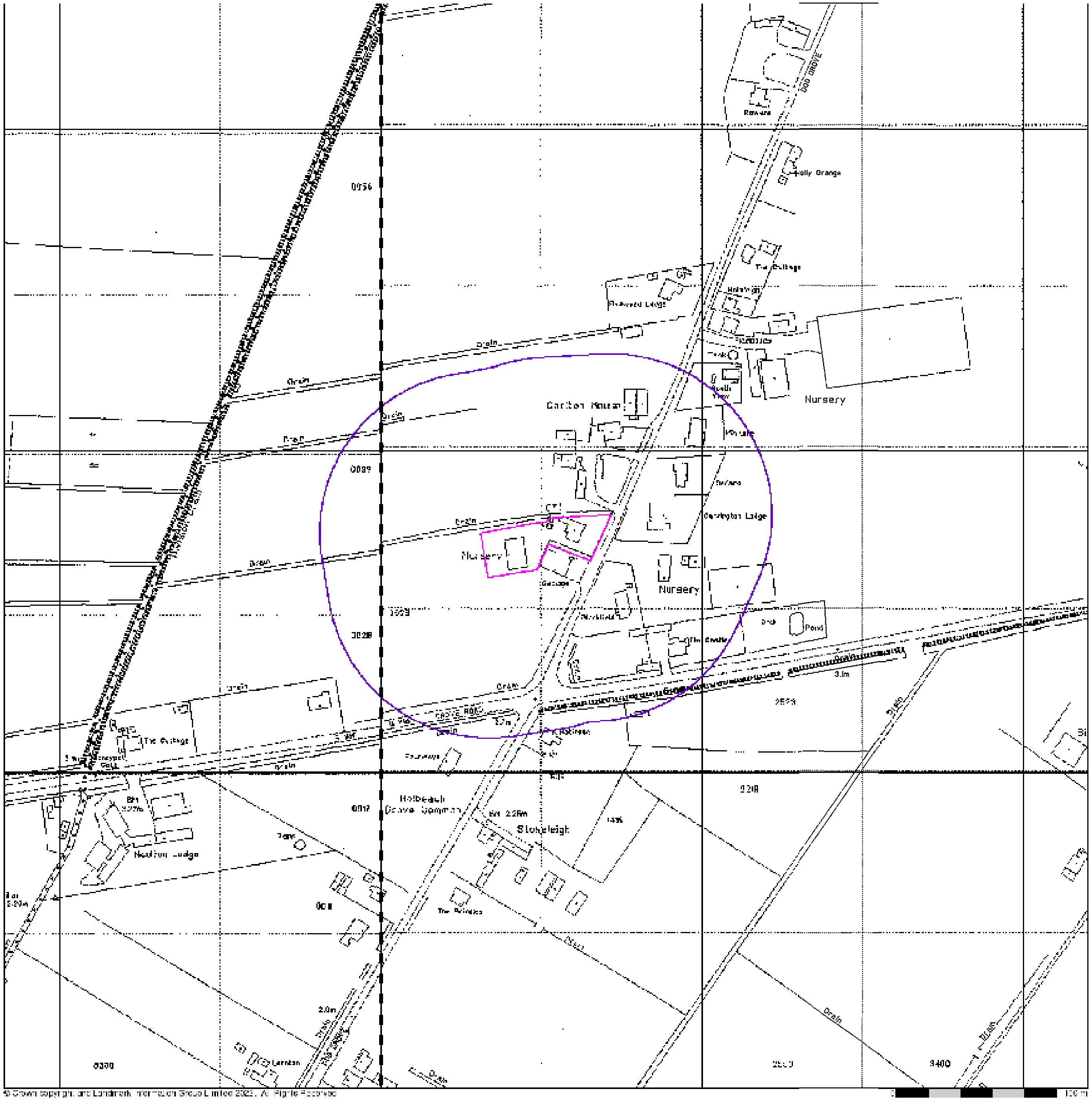
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National Grid Reference:	532100, 312340
Slice:	A
Site Area (Ha):	0.19
Search Buffer (m):	100

Site Details

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA

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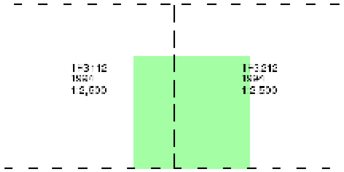
Large-Scale National Grid Data

Published 1994

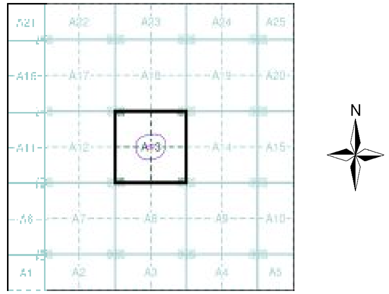
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



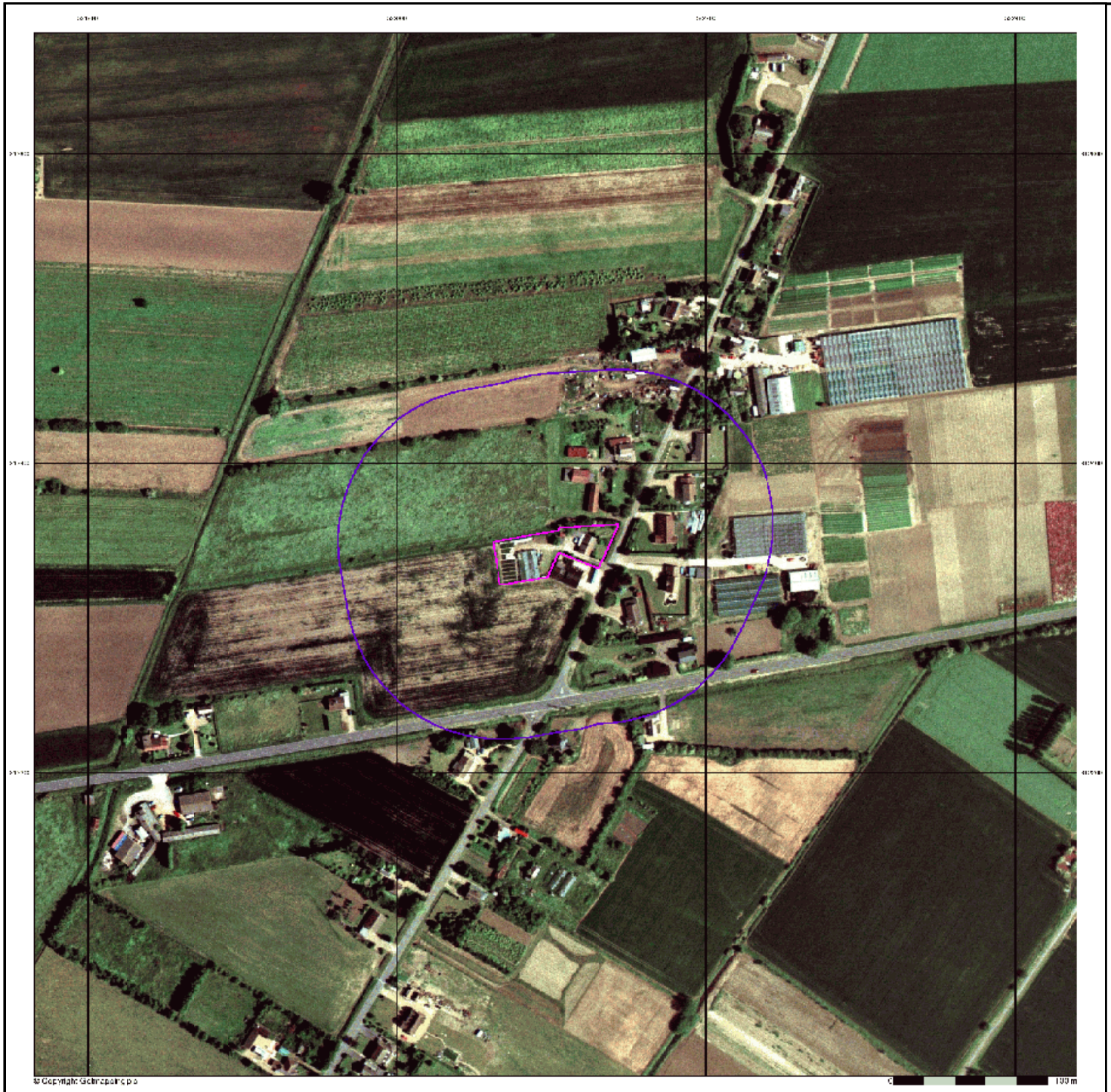
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National Grid Reference: 532100, 312340
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

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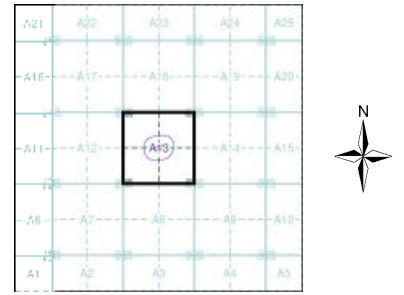


Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A13



Order Details

Order Number:	299800391_1_1
Customer Ref:	120 Dog Drove Nth
National Grid Reference:	532100, 312340
Slice:	A
Site Area (Ha):	0.19
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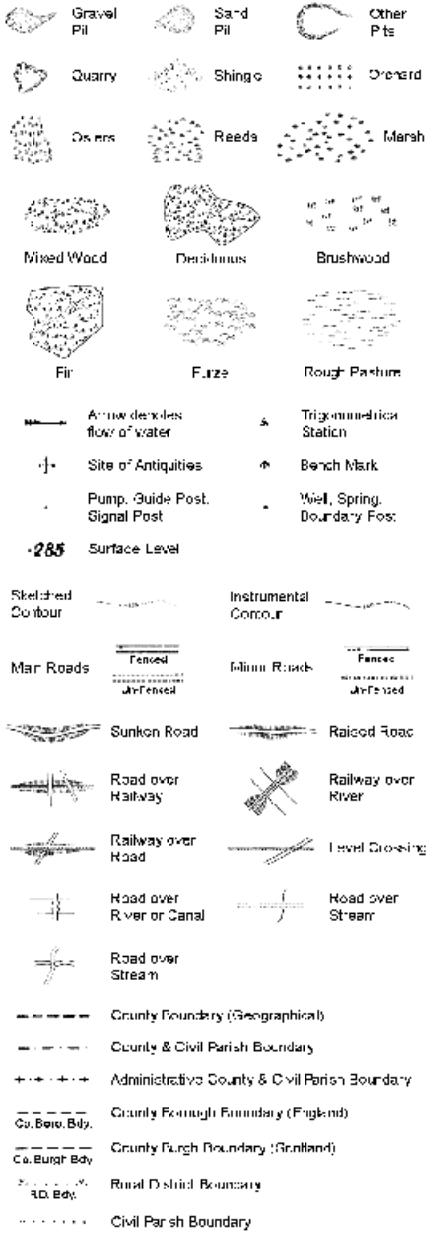
Site Details

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA

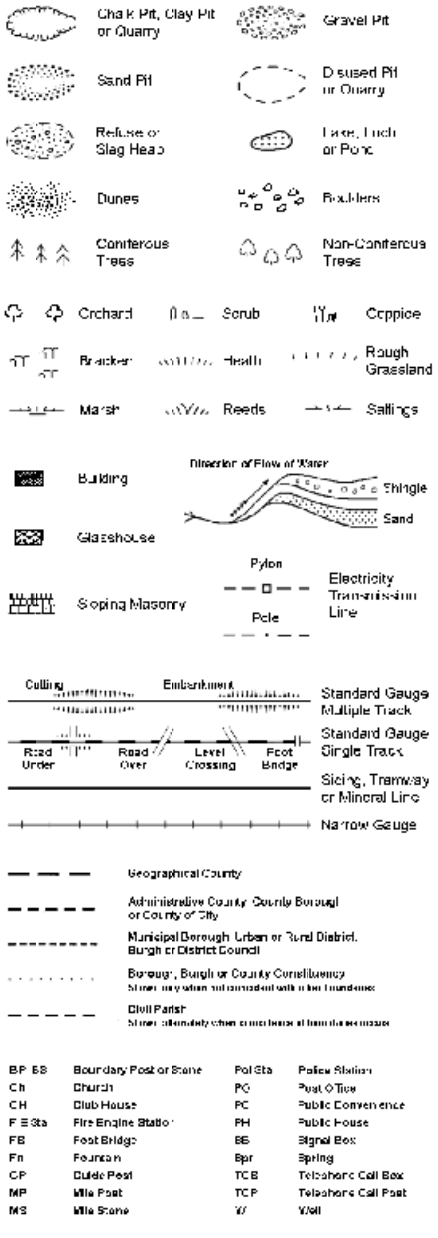
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Historical Mapping Legends

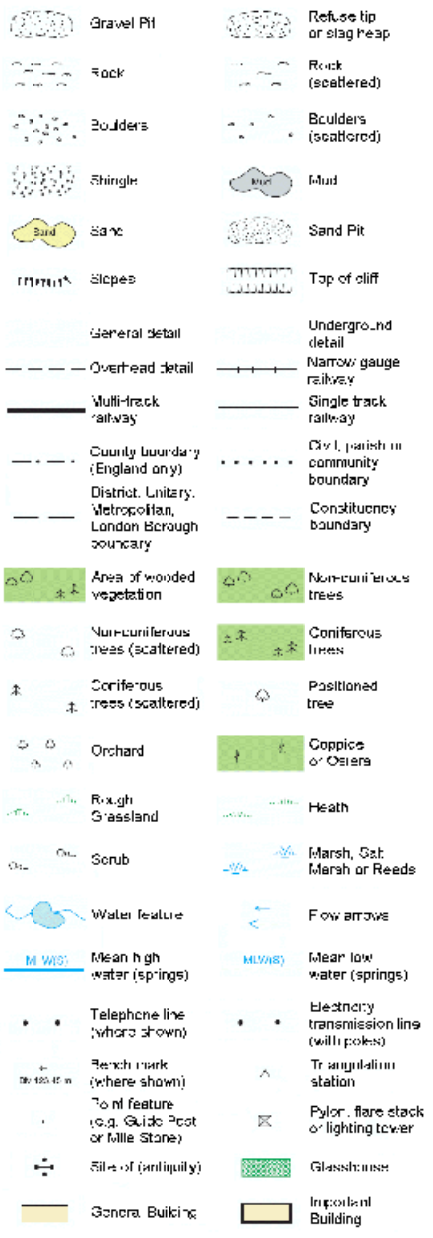
Ordnance Survey County Series 1:10,560



Ordnance Survey Plan 1:10,000



1:10,000 Raster Mapping

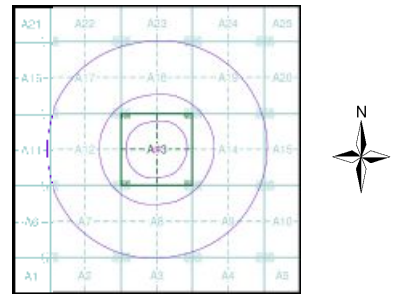




Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cambridgeshire & Isle Of Ely	1:10,560	1887	2
Lincolnshire	1:10,560	1887	3
Cambridgeshire & Isle Of Ely	1:10,560	1904	4
Lincolnshire	1:10,560	1905 - 1906	5
Cambridgeshire & Isle Of Ely	1:10,560	1952	6
Lincolnshire	1:10,560	1952	7
Ordnance Survey Plan	1:10,000	1959	8
Ordnance Survey Plan	1:10,000	1981	9
10K Raster Mapping	1:10,000	2000	10
10K Raster Mapping	1:10,000	2006	11
VectorMap Local	1:10,000	2021	12

Historical Map - Slice A



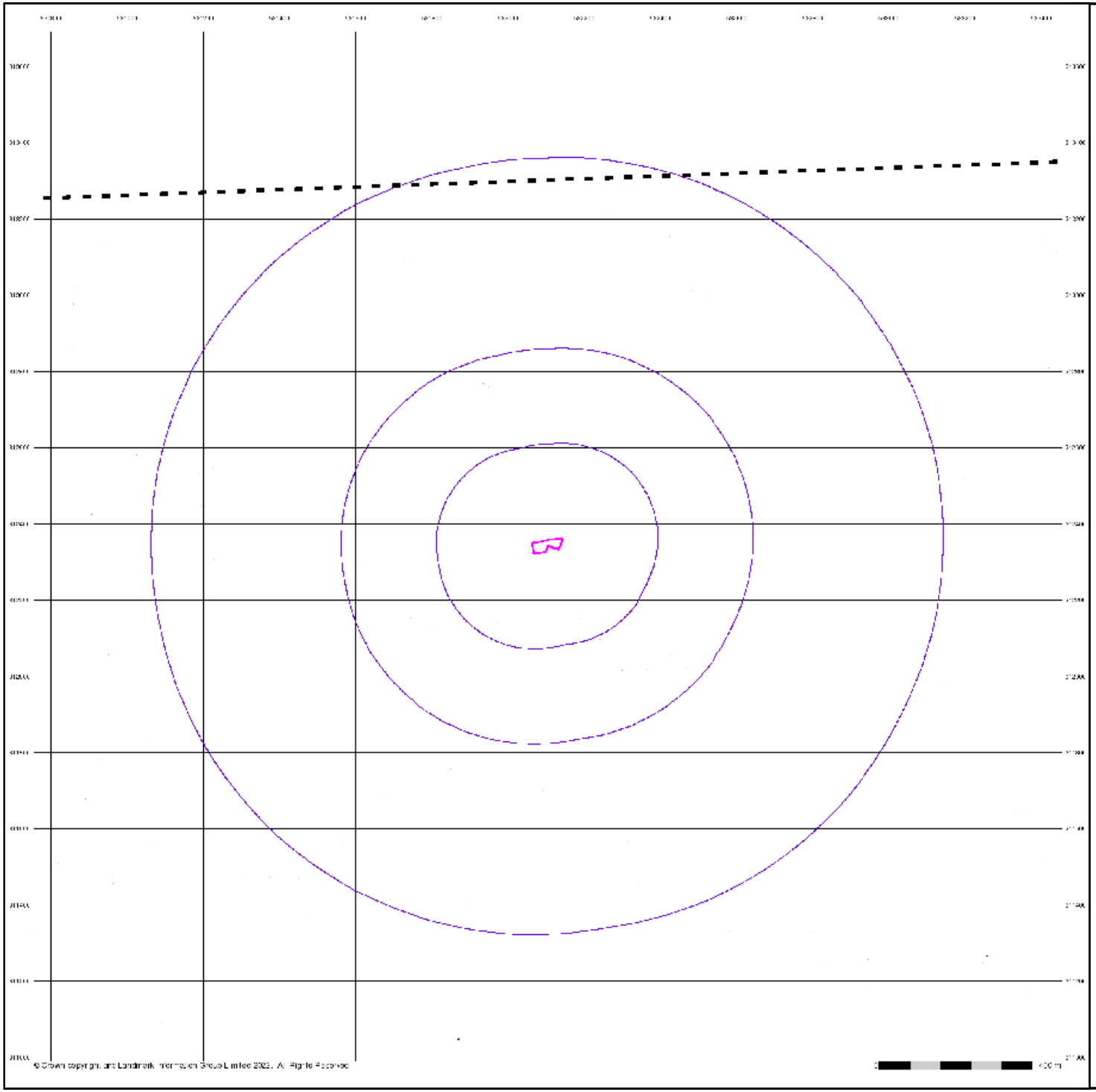
Order Details

Order Number: 299800391_1_1
Customer Ref: 120 Dog Drove Nth
National Grid Reference: 532100, 312340
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA

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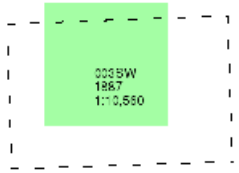
Cambridgeshire & Isle Of Ely

Published 1887

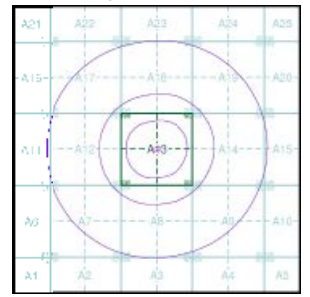
Source map scale - 1:10,560

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)



Historical Map - Slice A

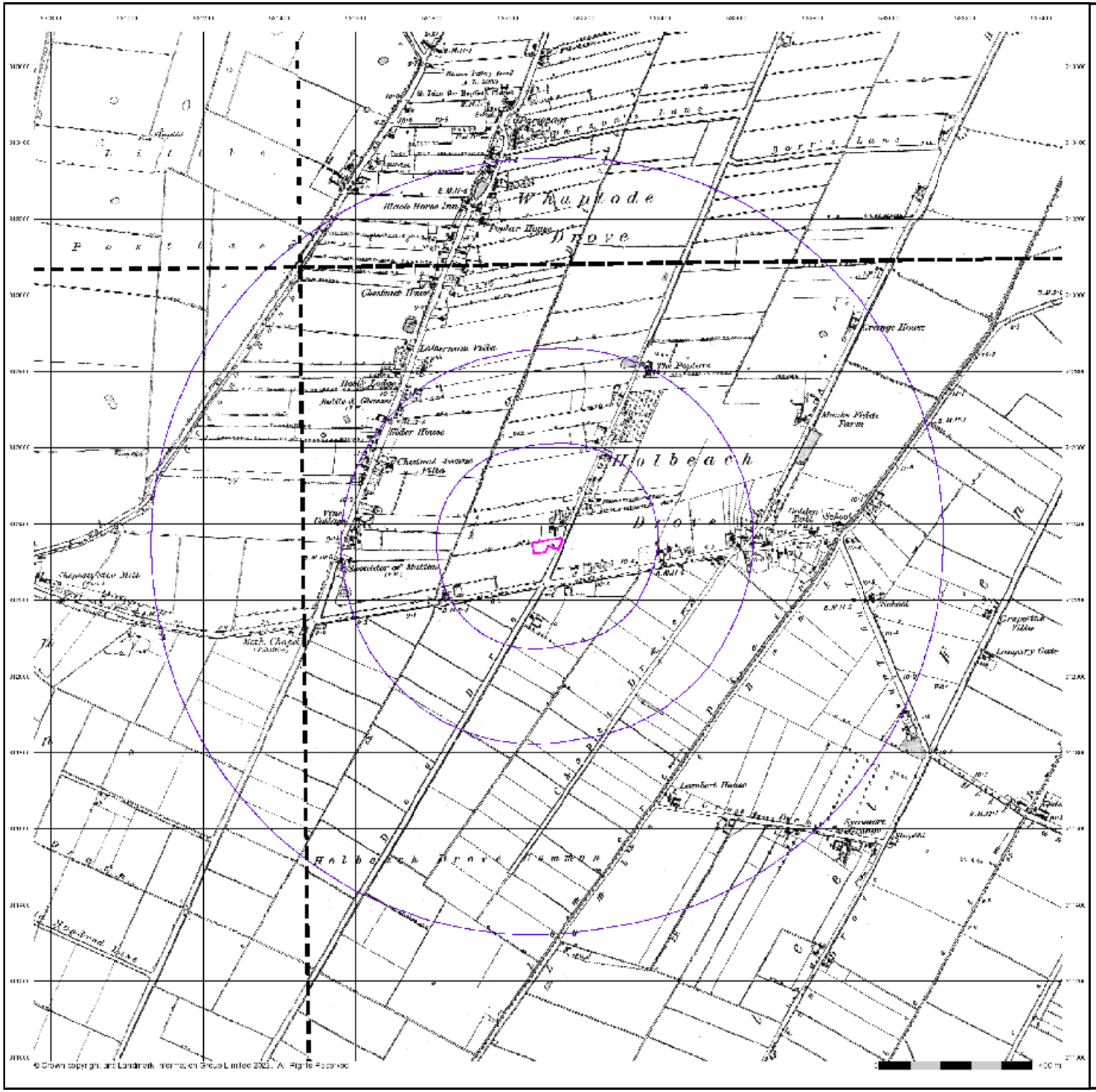


Order Details

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Slice:	A
Site Area (Ha):	0.19
Search Buffer (m):	1000

Site Details

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA



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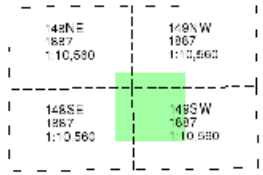
Lincolnshire

Published 1887

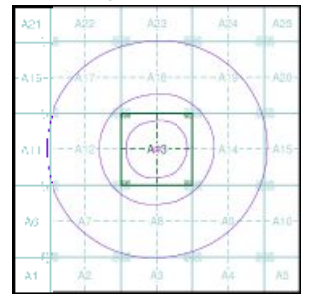
Source map scale - 1:10,560

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)



Historical Map - Slice A



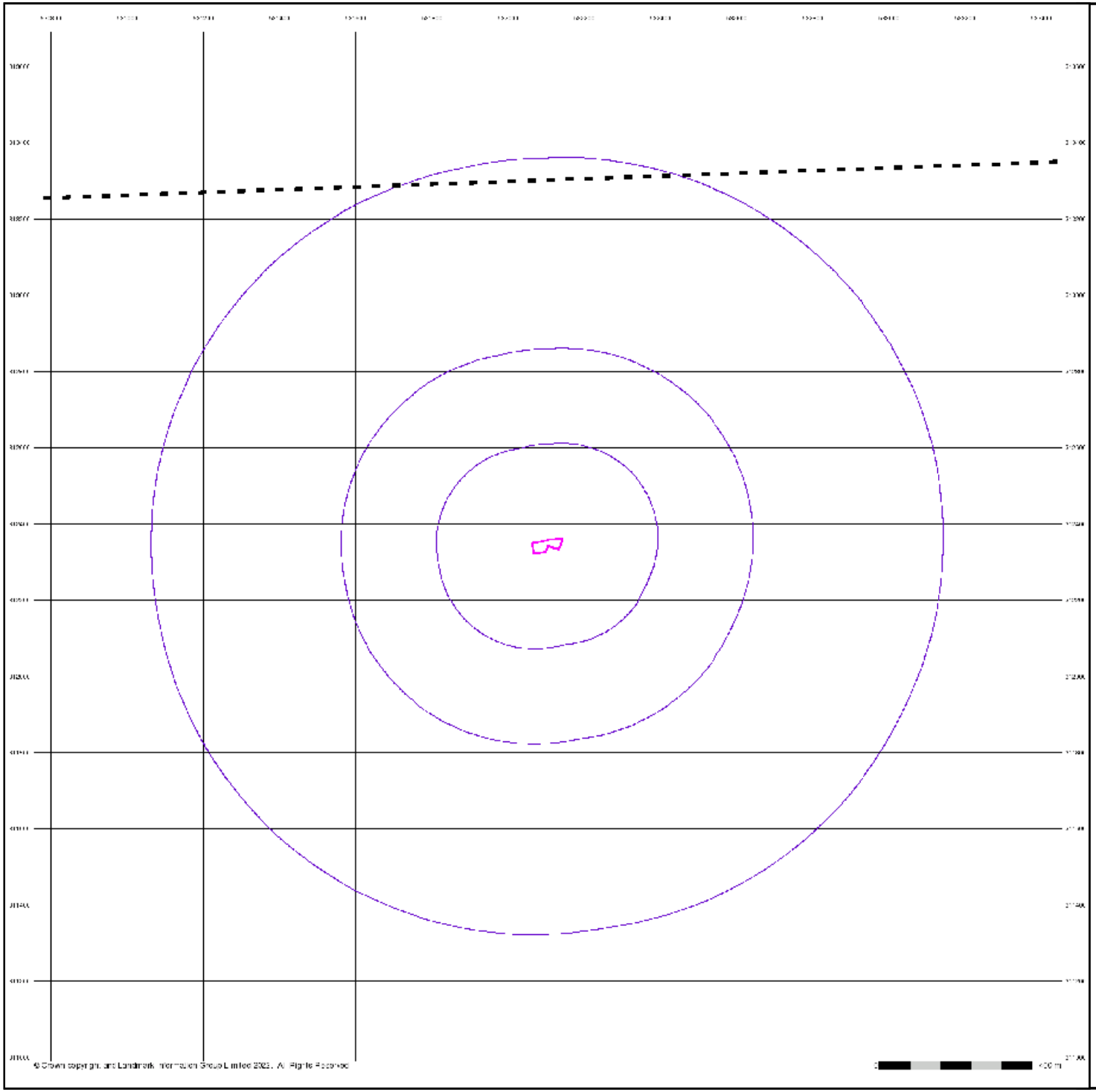
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National Grid Reference:	532100, 312340
Slice:	A
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Search Buffer (m):	1000

Site Details

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA

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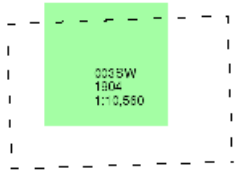
Cambridgeshire & Isle Of Ely

Published 1904

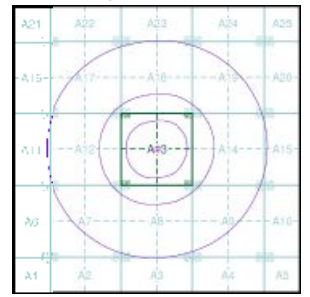
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



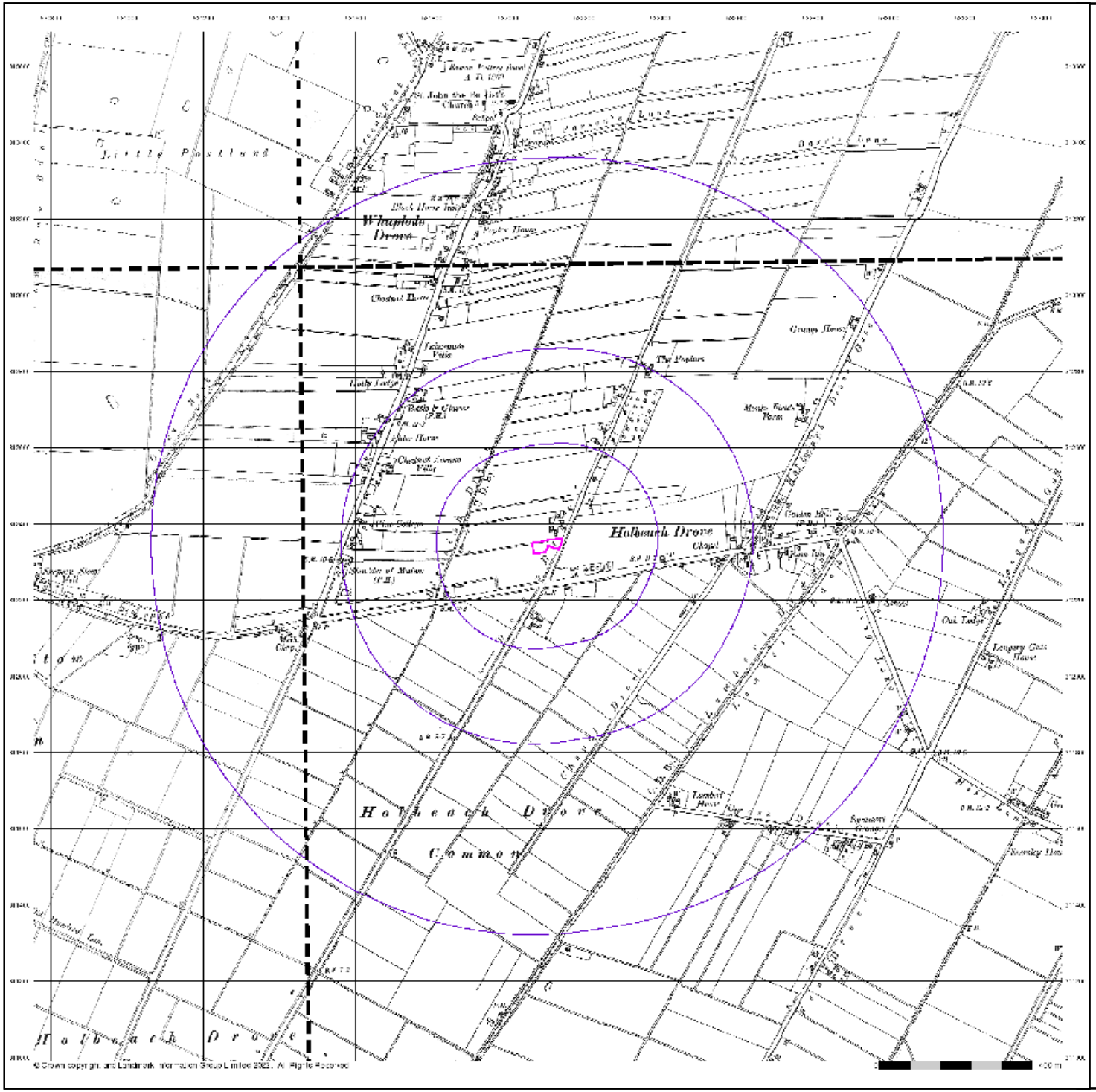
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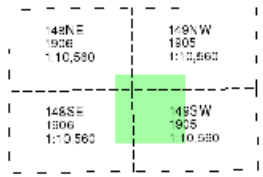
Lincolnshire

Published 1905 - 1906

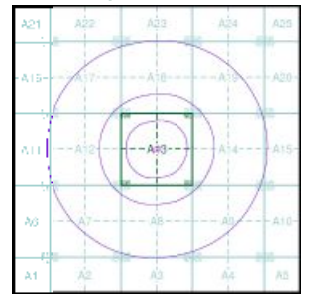
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Map Name(s) and Date(s)



Historical Map - Slice A



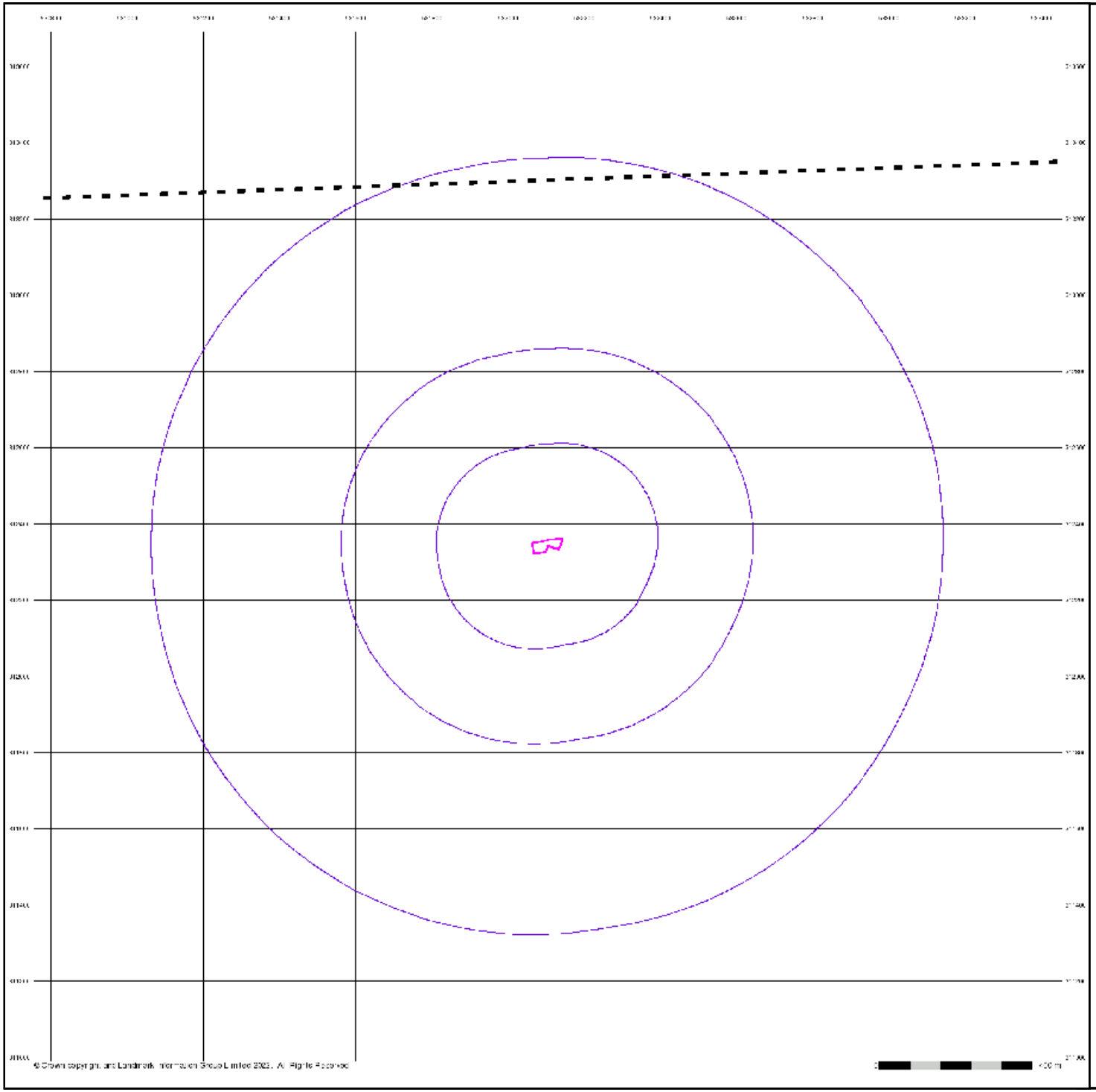
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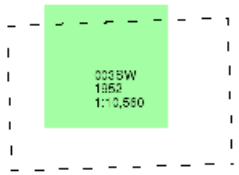
Cambridgeshire & Isle Of Ely

Published 1952

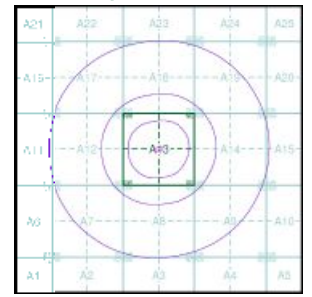
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Map Name(s) and Date(s)



Historical Map - Slice A



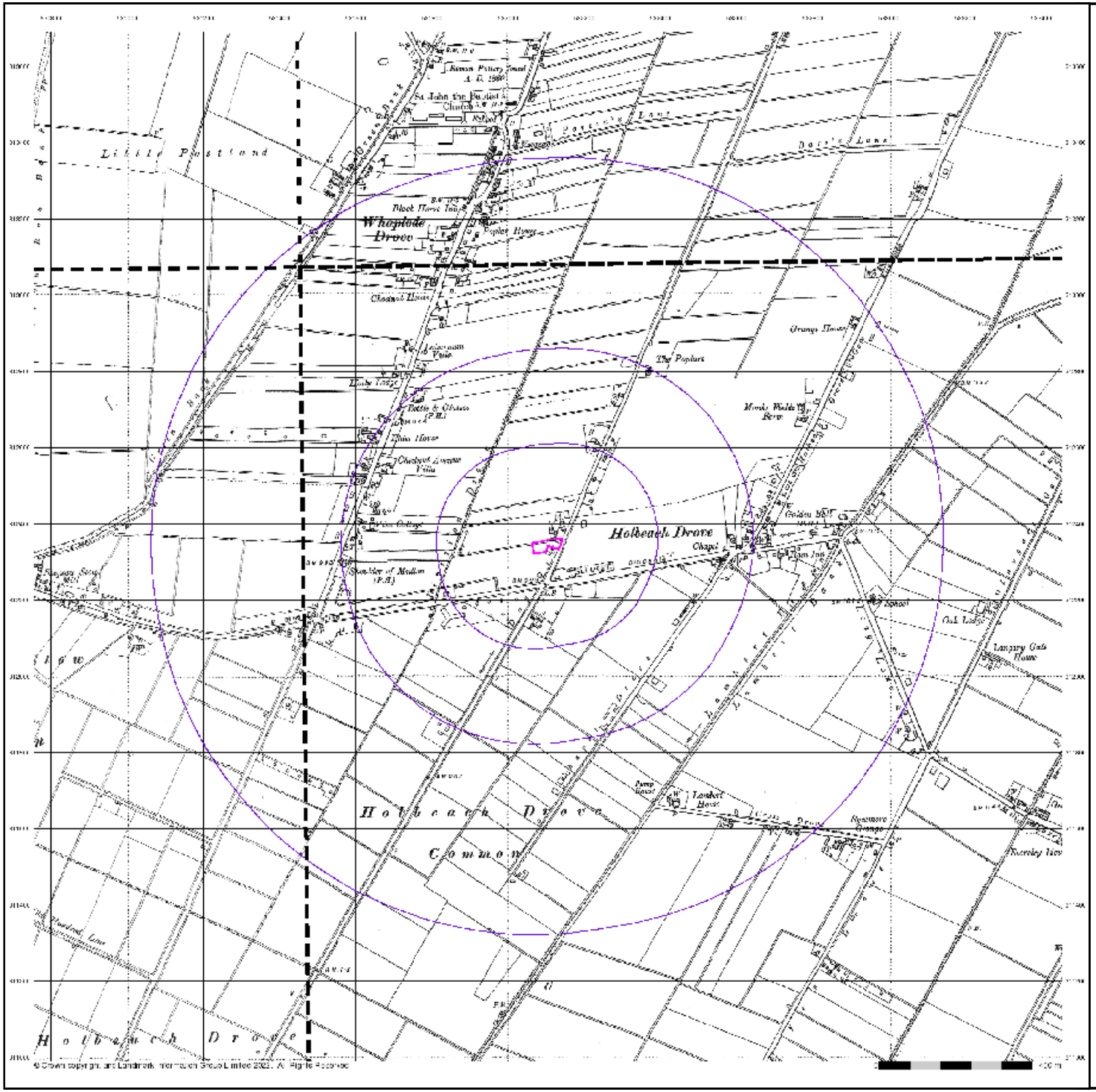
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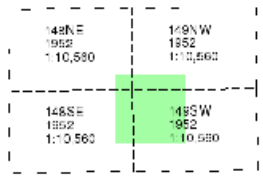
Lincolnshire

Published 1952

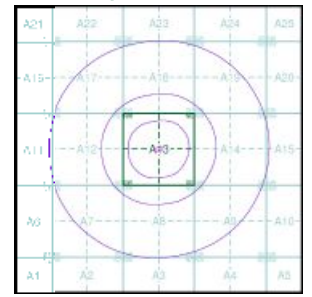
Source map scale - 1:10,560

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)



Historical Map - Slice A

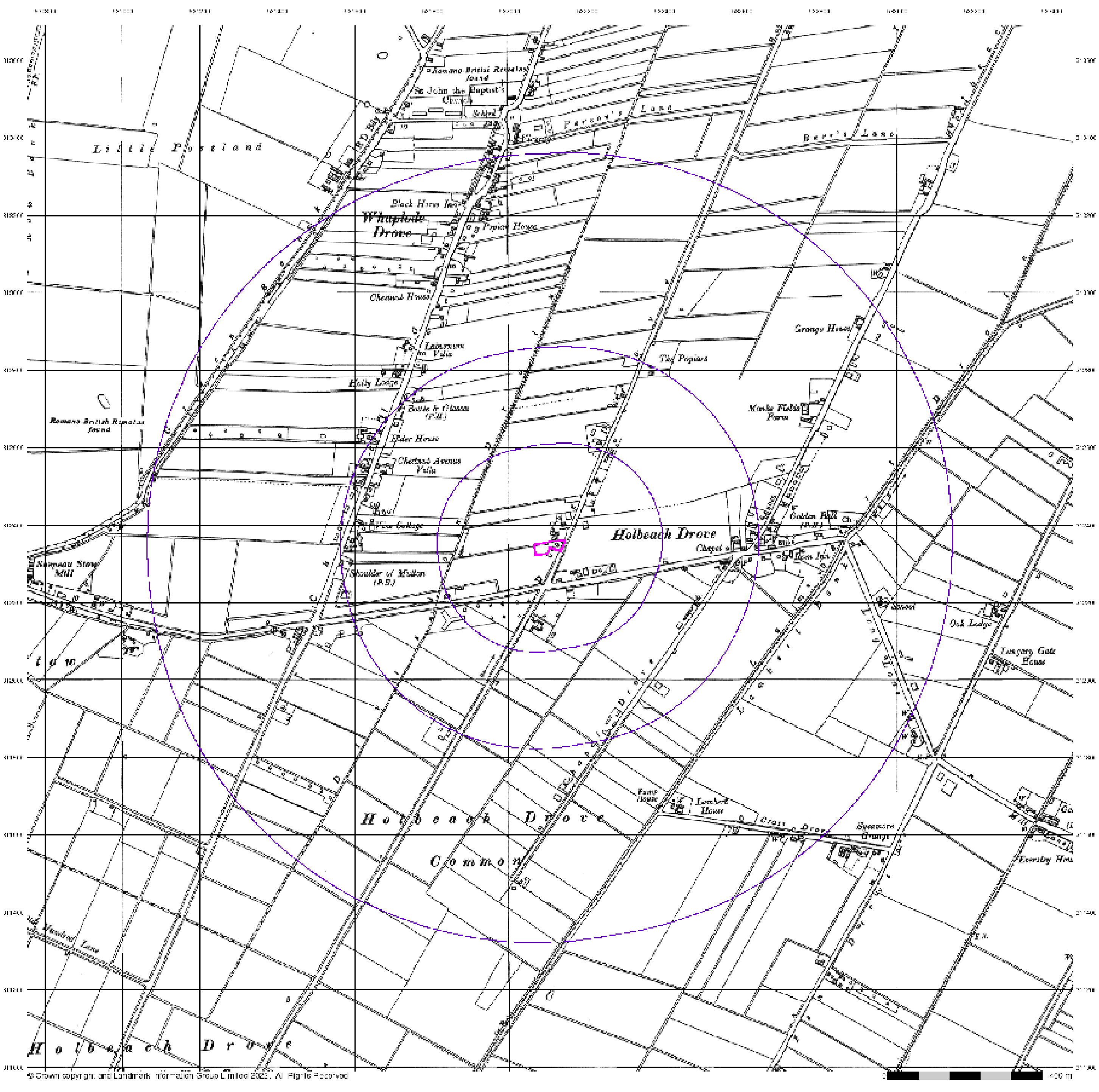


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Slice:	A
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Search Buffer (m):	1000

Site Details

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Ordnance Survey Plan

Published 1959

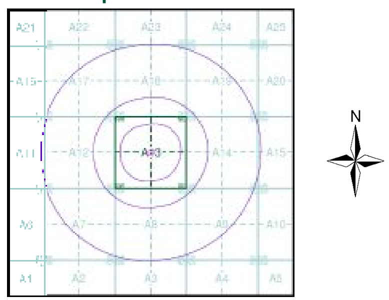
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Map Name(s) and Date(s)

TF31SW
1959
1:10,560

Historical Map - Slice A



Order Details

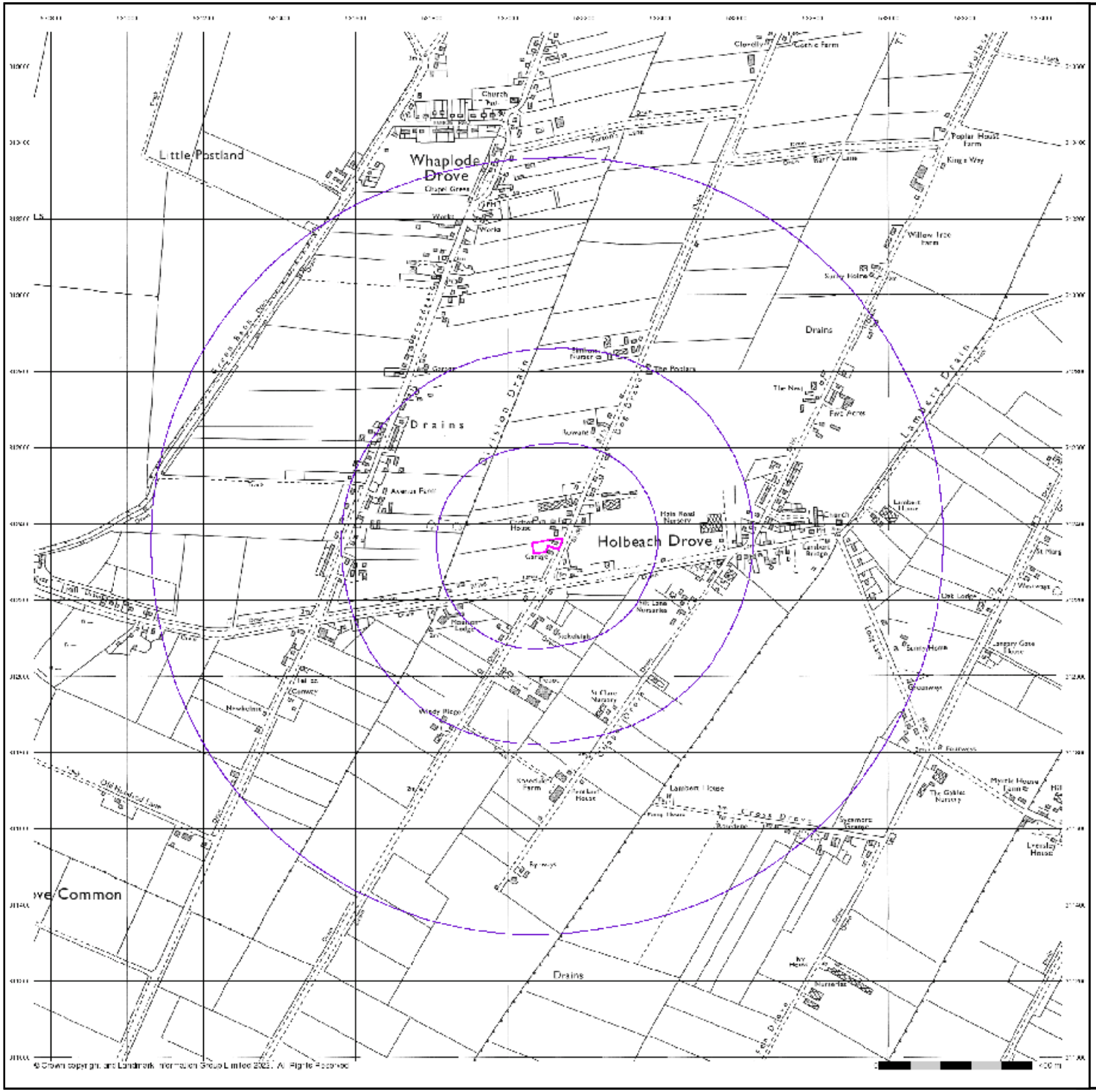
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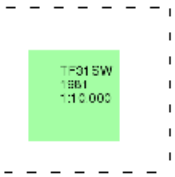
Ordnance Survey Plan

Published 1981

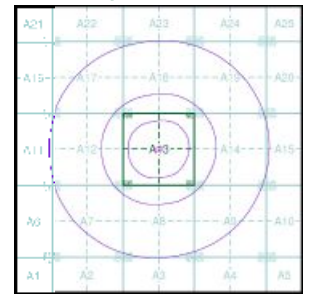
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



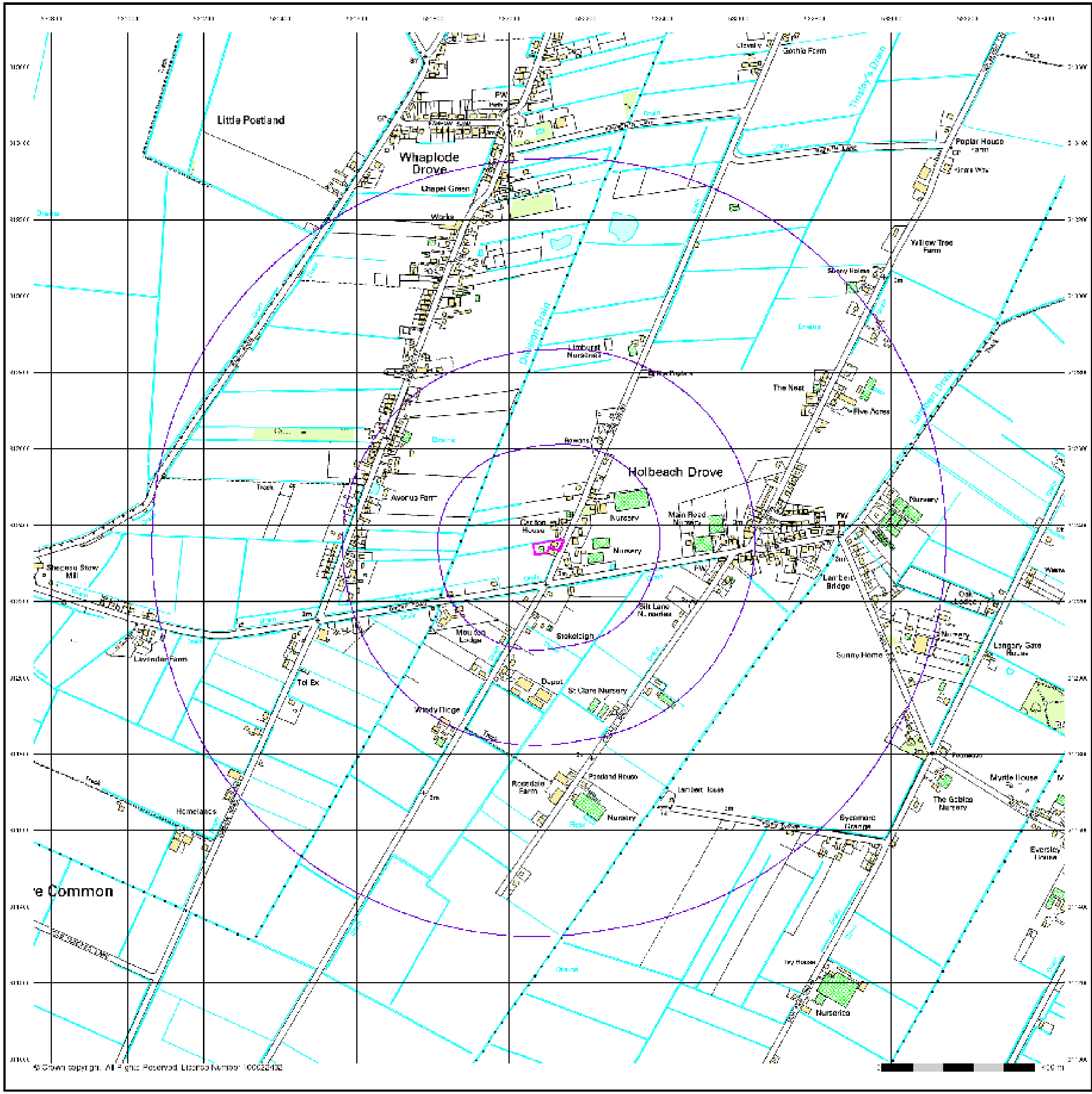
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Site Details

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10k Raster Mapping

Published 2000

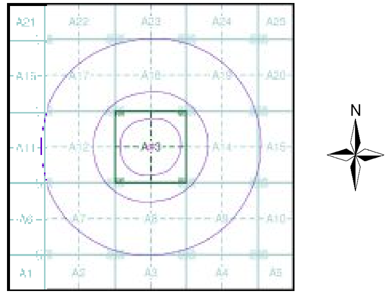
Source map scale - 1:10,000

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)

TF31SW
2000
1:10,000

Historical Map - Slice A



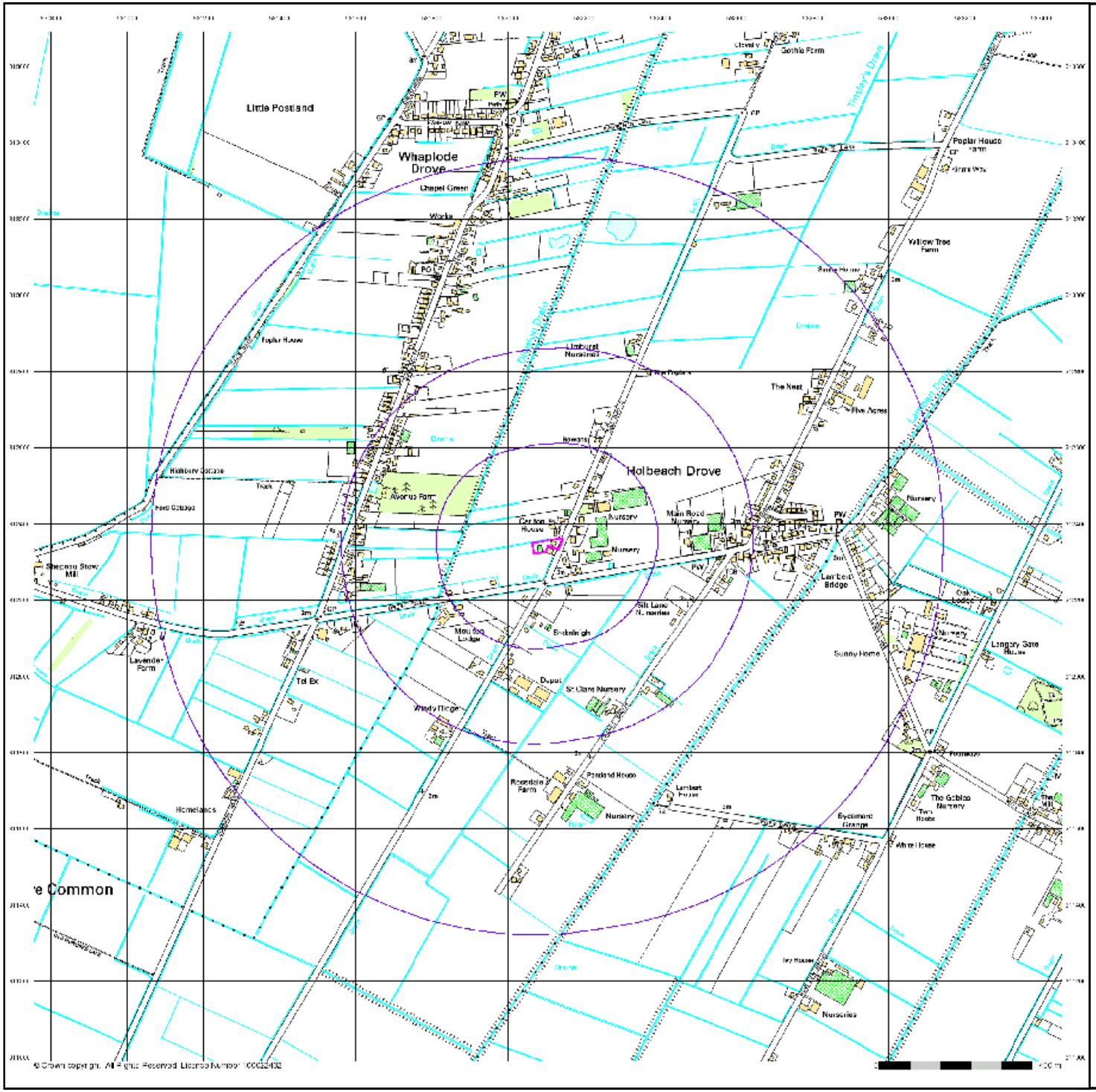
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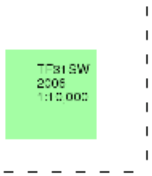
10k Raster Mapping

Published 2006

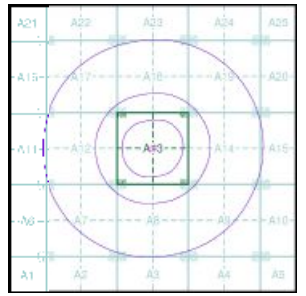
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



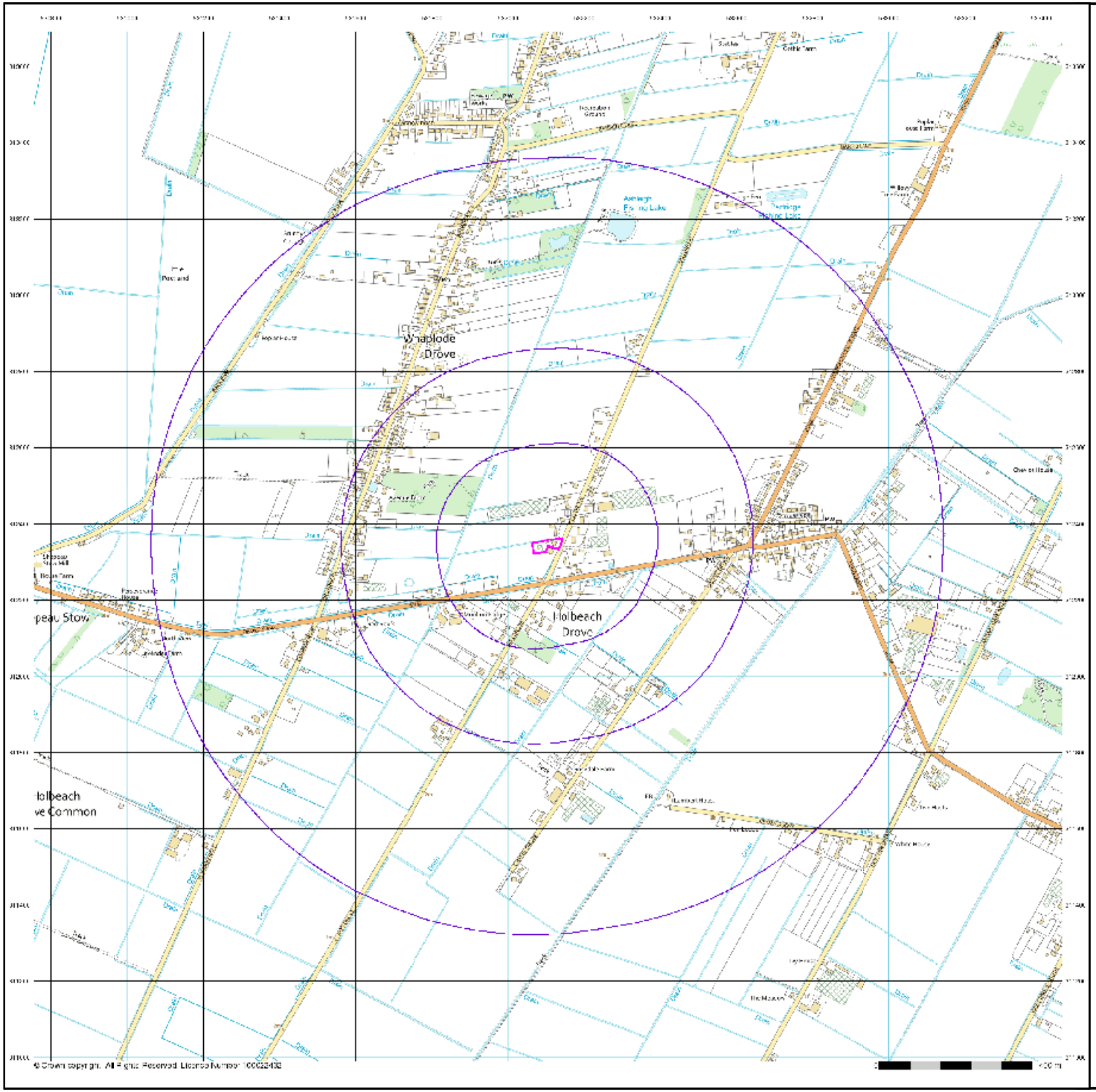
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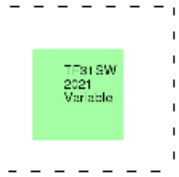
VectorMap Local

Published 2021

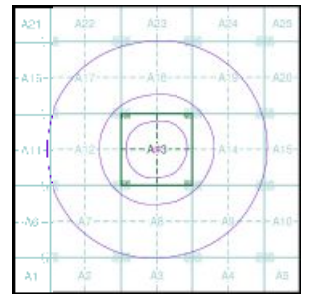
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



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Appendix C

Environmental Data

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
299800391_1_1

Customer Reference:
120 Dog Drove Nth

National Grid Reference:
532100, 312340

Slice:
A

Site Area (Ha):
0.19

Search Buffer (m):
1000

Site Details:

120, Dog Drove North
Holbeach Drove
SPALDING
PE12 0SA

Client Details:

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

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	46
Hazardous Substances	-
Geological	47
Industrial Land Use	49
Sensitive Land Use	-
Data Currency	52
Data Suppliers	58
Useful Contacts	59

Introduction

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

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1		Yes		n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		3	10	28
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 11			1	1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 11	Yes			
Pollution Incidents to Controlled Waters	pg 11				1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 11				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 12	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 12	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 12	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 12	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 12		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 12	1	35	60	196

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 46				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 46	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 47	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 47	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 48	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 48	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 48	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 48	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 49		1	5	5
Fuel Station Entries	pg 50			1	
Points of Interest - Commercial Services	pg 50			1	
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 50		1	1	8
Points of Interest - Public Infrastructure	pg 51			4	
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	7	1	532150 312350
1	**Discharge Consents** Operator: Lewis Baker Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Bungalow At Whaplode Drove Common, Spalding Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3547 Permit Version: 1 Effective Date: 1st November 1978 Issued Date: 1st November 1978 Revocation Date: 2nd September 1997 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	169	2	531950 312200
1	**Discharge Consents** Operator: The Occupier Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Holbeach Drove Hostel, (Known As Moulton Lodge), Sewage Disposal Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Pr5nf437 Permit Version: 1 Effective Date: 21st May 1968 Issued Date: 21st May 1968 Revocation Date: 20th September 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Unknown Trib **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	190	2	531940 312180
1	**Discharge Consents** Operator: Rock Construction Ltd Property Type: Domestic Property (Single) Location: Moulton Lodge Main Road, Holbeach Drove, Spalding, Lincs, Pe12 0se Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Prnnf18822 Permit Version: 1 Effective Date: 25th July 2007 Issued Date: 28th August 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Of North Level Mainn **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	A13SW (SW)	206	2	531940 312160
2	**Discharge Consents** Operator: Mr D Farrow Property Type: Domestic Property (Single) Location: Kelmar Holbeach Drove, Spalding, Linc, Pe12 0ps Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prnlf03486 Permit Version: 1 Effective Date: 29th August 1990 Issued Date: 29th August 1990 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A13SE (E)	289	2	532430 312330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Mrs E Butcher Property Type: Not Supplied Location: Broadgate Whaplode Drove, Spalding, Lincs Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3357 Permit Version: 1 Effective Date: 22nd September 1976 Issued Date: 22nd September 1976 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A12NE (W)	420	2	531670 312500
4	**Discharge Consents** Operator: William Frederick Login Property Type: Domestic Property (Single) Location: Chapel Lane Holbeach Drove, Holbeach, Lincs, Ln9 6jy Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf5427 Permit Version: 1 Effective Date: 14th October 1987 Issued Date: 14th October 1987 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SW (E)	450	2	532590 312310
5	**Discharge Consents** Operator: Mr Andrew Knighton Property Type: Domestic Property (Single) Location: Broadgate No.125 Whaplode Drove, Spalding, Lincolnshire, Pe12 0tw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Prnnf12705 Permit Version: 1 Effective Date: 24th October 2001 Issued Date: 13th September 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib South Holland Main 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	A12NE (W)	453	2	531612 312401
6	**Discharge Consents** Operator: F C Congreve & Sons Property Type: Arable Farming Location: Windyridge Dog Drove South, Holbeach Drove, Spalding, Lincs, Pe12 0sd Authority: Environment Agency, Anglian Region Catchment Area: Catchment 29 Unknown Detail Reference: Gwnlf40431 Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 24th 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 10m	A8NW (SW)	475	2	531850 311900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Mr T J Piccaver Property Type: Domestic Property (Single) Location: Broadgate No.116 Whaplode Drove, Spalding, Lincolnshire, Pe12 0tw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Prnlf00597 Permit Version: 1 Effective Date: 3rd March 1989 Issued Date: 3rd March 1989 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	483	2	531650 312600
8	**Discharge Consents** Operator: Kenneth Jagger Property Type: Not Supplied Location: Broadgate Road, Whaplode Drove Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3525 Permit Version: 1 Effective Date: 17th July 1978 Issued Date: 17th July 1978 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A12NE (W)	486	2	531600 312500
8	**Discharge Consents** Operator: P L Ely (Contractors) Ltd Property Type: Not Supplied Location: Broadgate Road, Whaplode Drove Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3370 Permit Version: 1 Effective Date: 4th November 1976 Issued Date: 4th November 1976 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A12NE (W)	486	2	531600 312500
9	**Discharge Consents** Operator: Mr David Grove Property Type: Domestic Property (Single) Location: 143 Broadgate Whaplode Drove, Spalding, Lincolnshire, Pe12 0tw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Npswqd004663 Permit Version: 1 Effective Date: 4th November 2008 Issued Date: 4th November 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Unnamed Ditch **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	A12SE (W)	491	2	531584 312235

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Discharge Consents** Operator: Robert Braybrook Property Type: Domestic Property (Multiple) Location: Broadgate Whaplode Drove, Spalding, Lincs, Pe12 0tw Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3487 Permit Version: 1 Effective Date: 10th March 1978 Issued Date: 10th March 1978 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A12SE (W)	522	2	531550 312250
10	**Discharge Consents** Operator: W.H. Fowler Esq. Property Type: Not Supplied Location: Cherrington Villa, Holbeach Drove, Spalding, Pe12 0ps Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3266 Permit Version: 1 Effective Date: 21st October 1975 Issued Date: 21st October 1975 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SW (E)	491	2	532630 312300
10	**Discharge Consents** Operator: P L Ely (Contractors) Ltd Property Type: Not Supplied Location: Holbeach Drove, Spalding, Lincs Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3375 Permit Version: 1 Effective Date: 4th November 1976 Issued Date: 4th November 1976 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SW (E)	515	2	532650 312270
11	**Discharge Consents** Operator: Mrs S Binder Property Type: Not Supplied Location: Caravan At Whaplode Drove, Spalding Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3291 Permit Version: 1 Effective Date: 2nd January 1976 Issued Date: 2nd January 1976 Revocation Date: 21st August 1997 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	506	2	531680 312680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Discharge Consents** Operator: Mr & Mrs Brand Property Type: Domestic Property (Single) Location: Broadgate No.88 Whaplode Drove, Spalding, Lincolnshire, Pe12 6hy Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Prnnf12636 Permit Version: 1 Effective Date: 24th July 2001 Issued Date: 30th April 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of North Level Main 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	A17SE (NW)	542	2	531710 312760
12	**Discharge Consents** Operator: L.J. Cray Esq. Property Type: Domestic Property (Single) Location: Broadgate Whaplode Drove, Spalding, Lincs, Pe12 0tn Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3234 Permit Version: 1 Effective Date: 16th June 1975 Issued Date: 16th June 1975 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	579	2	531700 312800
13	**Discharge Consents** Operator: South Holland D.C. Property Type: Domestic Property (Multiple) Location: Broadgate Site 2254 Whaplode Drove, Spalding, Lincs, Pe12 0tw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Prnnf09902 Permit Version: 1 Effective Date: 19th December 1995 Issued Date: 19th December 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Fen Drain **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A12NE (W)	542	2	531520 312360
14	**Discharge Consents** Operator: Ashwood Homes Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Detached Bungalow Main Road, Holbeach Drove, Spalding Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf5245 Permit Version: 1 Effective Date: 3rd December 1986 Issued Date: 3rd December 1986 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Not Supplied Receiving Water: Not Supplied **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SW (E)	549	2	532690 312320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Discharge Consents** Operator: Kings Quality Homes Property Type: Not Supplied Location: Plot 2 Main Road, Holbeach, Lincs Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf5239 Permit Version: 1 Effective Date: 26th November 1986 Issued Date: 26th November 1986 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Not Supplied Receiving Water: Not Supplied **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	577	2	532720 312350
14	**Discharge Consents** Operator: Kings Quality Homes Property Type: Not Supplied Location: Plot 1 Main Road Holbeach Drove, Spalding, Lincs Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf5238 Permit Version: 1 Effective Date: 26th November 1986 Issued Date: 26th November 1986 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Not Supplied Receiving Water: Not Supplied **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	587	2	532730 312350
15	**Discharge Consents** Operator: S A W & Co. Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Bungalow At Drove Gate, Holbeach Drove, Spalding Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3758 Permit Version: 1 Effective Date: 10th February 1981 Issued Date: 10th February 1981 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14NW (E)	559	2	532700 312400
16	**Discharge Consents** Operator: Stuart John Norbury Property Type: Not Supplied Location: Shop At Broadgate, Whaplode Drove, Spalding Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3426 Permit Version: 1 Effective Date: 6th July 1977 Issued Date: 6th July 1977 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	581	2	531600 312700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Discharge Consents** Operator: James & Doreen Blake Property Type: Domestic Property (Single) Location: Main Street Plot 2 Main Street, Holbeach Drove, Lincs, Pe12 0ps Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prnlf02427 Permit Version: 1 Effective Date: 2nd April 1990 Issued Date: 2nd April 1990 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Onto Land Receiving Water: Land **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	607	2	532750 312350
17	**Discharge Consents** Operator: Mr M & Mrs J Ladds Property Type: Domestic Property (Single) Location: St.Polycarps Drive No.6 Holbeach Drove, Spalding, Lincs, Pe12 0sf Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf5036 Permit Version: 1 Effective Date: 21st March 1985 Issued Date: 21st March 1985 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	608	2	532750 312400
17	**Discharge Consents** Operator: Mr B Sherriff Property Type: Domestic Property (Single) Location: St.Polycarps Drive No.6 Holbeach Drove, Spalding, Lincs, Pe12 0sf Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3888 Permit Version: 1 Effective Date: 25th May 1983 Issued Date: 25th May 1983 Revocation Date: 10th September 1997 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	608	2	532750 312400
17	**Discharge Consents** Operator: The Secretary Property Type: Domestic Property (Multiple) Location: St.Polycarps Drive Holbeach Drove, Spalding, Lincs, Pe12 0sf Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Pr5lf3239 Permit Version: 1 Effective Date: 18th March 1978 Issued Date: 18th March 1978 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	608	2	532750 312400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Discharge Consents** Operator: A.W. Bales Esq. Property Type: Domestic Property (Single) Location: Holbeach Drove, Nr Spalding, Lincs, Pe12 0pu Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3270 Permit Version: 1 Effective Date: 11th November 1975 Issued Date: 11th November 1975 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	607	2	532740 312470
19	**Discharge Consents** Operator: Mr G Fisher Property Type: Not Supplied Location: Don-Sel, Whaplode Drove, Spalding, Pe12 Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prnlf00698 Permit Version: 1 Effective Date: 16th March 1989 Issued Date: 16th March 1989 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	625	2	531810 312920
20	**Discharge Consents** Operator: Mr N J Bassett Property Type: Not Supplied Location: Dwelling At 4 St Polycarps Drive, Holbeach Drove, Spalding, Pe12 0sf Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prnlf02738 Permit Version: 1 Effective Date: 9th May 1990 Issued Date: 9th May 1990 Revocation Date: 25th July 1997 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14NE (E)	658	2	532800 312400
20	**Discharge Consents** Operator: Mr R G Futter Property Type: Not Supplied Location: Dwelling At 4 St Polycarps Drive, Holbeach Drove, Spalding, Pe12 0sf Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3765 Permit Version: 1 Effective Date: 2nd March 1981 Issued Date: 2nd March 1981 Revocation Date: 8th September 1997 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14NE (E)	658	2	532800 312400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Discharge Consents** Operator: C R & S R Hatter Property Type: Arable Farming Location: Fiveacres Holbeach Drove, Spalding, Lincs, Pe12 0px Authority: Environment Agency, Anglian Region Catchment Area: Catchment 29 Unknown Detail Reference: Gwnlf40362 Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 19th 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	A19SE (NE)	740	2	532800 312700
22	**Discharge Consents** Operator: Hollands Nurseries Property Type: Arable Farming Location: Hollands Nurseries Rose Villa, Holbeach Drove, Spalding, Lincs, Pe12 0ps Authority: Environment Agency, Anglian Region Catchment Area: Catchment 29 Unknown Detail Reference: Gwnlf40432 Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 24th 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 10m	A14NE (E)	762	2	532900 312450
23	**Discharge Consents** Operator: Mr & Mrs T S Emery Property Type: Domestic Property (Single) Location: Cherrytoft Long Lane, Holbeach Drove, Spalding, Lincs, Pe12 0pp Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Pr5lf3886 Permit Version: 2 Effective Date: 14th December 2011 Issued Date: 14th December 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	791	2	532930 312287
23	**Discharge Consents** Operator: Mr & Mrs T S Emery Property Type: Domestic Property (Single) Location: Cherrytoft Long Lane, Holbeach Drove, Spalding, Lincs, Pe12 0pp Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Pr5lf3886 Permit Version: 1 Effective Date: 16th May 1983 Issued Date: 16th May 1983 Revocation Date: 13th December 2011 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	791	2	532930 312287

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Discharge Consents** Operator: Mrs E A Money Property Type: Not Supplied Location: House At Broadgate Road Whaplode Drove, Spalding, Lincs Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3243 Permit Version: 1 Effective Date: 30th June 1975 Issued Date: 30th June 1975 Revocation Date: 20th August 1997 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	805	2	531870 313130
25	**Discharge Consents** Operator: Mr & Mrs D P Tyers Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Back Bank Whaplode Drove, Spalding, Lincolnshire, Pe12 0tt Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prnnf02710 Permit Version: 2 Effective Date: 20th February 1992 Issued Date: 20th February 1992 Revocation Date: 29th April 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of South Holland Main Dra **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	899	2	531500 313050
25	**Discharge Consents** Operator: Mr & Mrs D P Tyers Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Back Bank Whaplode Drove, Spalding, Lincolnshire, Pe12 0tt Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prnnf02710 Permit Version: 1 Effective Date: 22nd May 1990 Issued Date: 22nd May 1990 Revocation Date: 19th February 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib South Holland Main Drain **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	899	2	531500 313050
26	**Discharge Consents** Operator: N O Gavaghan Esq Property Type: Not Supplied Location: Sunny Holme, Holbeach Drove, Spalding, Pe12 0px Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3368 Permit Version: 1 Effective Date: 4th November 1976 Issued Date: 4th November 1976 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	991	2	532900 313000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Discharge Consents** Operator: South Holland D.C. Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Site 2262 Drovegate, Holbeach Drove, Spalding, Lincolnshire, Pe12 0px Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Prnnf12252 Permit Version: 1 Effective Date: 11th March 1999 Issued Date: 26th August 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The Lambert 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 100m	A19SE (NE)	995	2	533020 312830
28	**Local Authority Pollution Prevention and Controls** Name: The Stores Location: Holbeach Drove, Spalding, Lincolnshire, PE12 0PX Authority: South Holland District Council, Environmental Services Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Not Supplied** Positional Accuracy: Automatically positioned to the address	A14NW (E)	478	3	532621 312372
29	**Local Authority Pollution Prevention and Controls** Name: Wh Brand & Son Location: WH BRAND & SON, 77 Broadgate, Whaplode Drove, SPALDING, Lincolnshire, PE12 0TN Authority: South Holland District Council, Environmental Services Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Not Supplied** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	548	3	531759 312806
	Nearest Surface Water Feature	A13NW (N)	0	-	532099 312355
30	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Local Dykes Incident Date: 6th January 1998 Incident Reference: 2571 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	655	2	532300 311700
	Water Abstractions Operator: S F & M L Wapples Licence Number: 5/32/11/*s/119 Permit Version: Not Supplied Location: Division Drain Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 8 Yearly Rate (m3): 600000 Details: Not Supplied 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 100m	A24NW (N)	1702	2	532600 314000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, 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	A13NW (SW)	0	4	532102 312343
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (SW)	0	4	532102 312343
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (SW)	0	4	532102 312343
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	0	2	532100 312340
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	84	2	532200 312285
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	25	2	532041 312324
	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)	236	2	532301 312169
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 242.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (N)	0	5	532100 312356
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 175.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (SE)	24	5	532121 312311
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (S)	54	5	532121 312278

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 119.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (NW)	84	5	532013 312417
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 236.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (S)	87	5	532084 312236
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (S)	87	5	532094 312235
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (S)	91	5	532115 312237
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (SE)	96	5	532167 312244
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 163.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (SE)	98	5	532174 312245
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 120.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (NW)	111	5	532030 312455
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 121.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	114	5	531971 312261
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	173	5	531896 312397

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (NW)	174	5	531911 312435
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 40.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A13NW (W)	180	5	531895 312416
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A13NW (W)	181	5	531888 312396
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 558.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A13NW (NW)	182	5	531902 312435
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 65.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A13NW (W)	184	5	531881 312378
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	184	5	531881 312378
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (S)	185	5	532039 312139
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (S)	191	5	532051 312132
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 239.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13NW (W)	192	5	531873 312378

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	**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	A13SW (S)	193	5	532056 312129
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (S)	196	5	532061 312126
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (S)	197	5	532062 312125
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (W)	199	5	531865 312319
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 56.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	201	5	531881 312246
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A13SW (W)	208	5	531857 312317
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (E)	211	5	532335 312274
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 80.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A13SW (W)	212	5	531854 312311
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (W)	212	5	531854 312311

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 223.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (SE)	213	5	532301 312205
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (S)	217	5	532094 312106
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 226.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (W)	220	5	531846 312311
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 101.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (S)	220	5	532097 312104
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 220.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (E)	222	5	532348 312275
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (S)	226	5	532006 312105
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	254	5	531991 312080
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (W)	256	5	531826 312236
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A13SW (W)	256	5	531826 312236

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 161.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (SE)	258	5	532222 312091
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 53.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (SE)	258	5	532222 312091
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: Underground Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A13SW (SW)	264	5	531822 312223
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 291.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (W)	267	5	531816 312233
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 69.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	268	5	531984 312067
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A13SW (SW)	269	5	531820 312216
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 303.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	275	5	531817 312207
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.3 Watercourse Level: Underground Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A13SW (SW)	275	5	531817 312207
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 121.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A13SW (SW)	282	5	531818 312190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (S)	285	5	532184 312052
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 105.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (S)	292	5	532192 312047
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 167.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SW (SW)	293	5	531807 312188
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 286.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (S)	356	5	531954 311984
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 68.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (S)	367	5	532132 311960
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (S)	367	5	532132 311960
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 152.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (S)	372	5	532138 311956
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 90.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	372	5	531931 311976
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (SE)	373	5	532434 312115

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (SE)	373	5	532436 312118
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 100.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (SE)	374	5	532431 312111
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (SW)	385	5	531765 312084
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 179.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A13SW (SW)	386	5	531765 312081
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 147.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (SW)	387	5	531759 312087
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (SE)	389	5	532373 312029
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (SE)	391	5	532370 312023
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (SE)	403	5	532350 311995
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 68.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A13SE (SE)	406	5	532374 312007

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (S)	414	5	532086 311908
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 47.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (SE)	414	5	532362 311989
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (SE)	415	5	532332 311969
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (SE)	418	5	532329 311965
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 136.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (S)	419	5	532093 311904
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 77.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (SE)	430	5	532339 311956
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (SE)	433	5	532334 311950
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (SE)	436	5	532332 311946
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 273.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SW (N)	445	5	532062 312801

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	455	5	531642 312162
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 65.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (SE)	459	5	532401 311962
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 40.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	465	5	531631 312161
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	466	5	531621 312500
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	467	5	531613 312477
111	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 37.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	468	5	531612 312475
112	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 185.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (SE)	471	5	532293 311890
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	472	5	531599 312440
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	473	5	531598 312438

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	481	5	531585 312403
116	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	482	5	531584 312401
117	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 252.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NE (SW)	482	5	531711 311996
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 134.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14SW (E)	492	5	532625 312264
119	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	493	5	531570 312365
120	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	493	5	531570 312367
121	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	495	5	531567 312360
122	**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	A8NW (SW)	495	5	531881 311864
123	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 40.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	497	5	531566 312355

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	497	5	531566 312355
125	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (NW)	500	5	531641 312618
126	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	500	5	531562 312345
127	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	503	5	531560 312340
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	503	5	531592 312156
129	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	506	5	531556 312330
130	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	508	5	531555 312326
131	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	508	5	531588 312155
132	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	512	5	531552 312316

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 287.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SW (N)	512	5	532086 312870
134	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	514	5	531550 312311
135	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	518	5	531546 312301
136	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	520	5	531545 312296
137	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 186.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (S)	521	5	532248 311825
138	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	525	5	531541 312287
139	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	526	5	531540 312283
140	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 438.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (NW)	531	5	531605 312618
141	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	531	5	531536 312273

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (S)	533	5	532014 311791
143	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 76.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	534	5	531534 312267
144	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (S)	534	5	532002 311792
145	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 467.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	536	5	531715 312757
146	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 212.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (W)	537	5	531526 312356
147	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 438.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NE (NW)	539	5	531620 312656
148	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 65.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	540	5	531535 312230
149	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 157.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (S)	540	5	532011 311785
150	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	549	5	531547 312149

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
151	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	554	5	531541 312148
152	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 53.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A7NE (SW)	556	5	531678 311925
153	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NE (SW)	556	5	531678 311925
154	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 213.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NE (SW)	558	5	531672 311928
155	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	567	5	531832 311806
156	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 286.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SE (NE)	569	5	532377 312879
157	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	573	5	531508 312196
158	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	574	5	531517 312160
159	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	576	5	531506 312191

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 217.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	580	5	531503 312186
161	**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	A12SE (W)	580	5	531503 312186
162	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1027.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Lambert Drain Catchment Name: Nene Primacy: 2	A9NW (SE)	587	5	532603 311986
163	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SE (N)	593	5	532111 312952
164	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 292.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SE (N)	594	5	532122 312954
165	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 135.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A18SE (N)	594	5	532110 312953
166	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 186.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NE (SW)	597	5	531759 311810
167	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 267.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	599	5	531490 312159
168	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 39.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	603	5	531814 311775

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 152.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SE (NE)	605	5	532388 312913
170	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NE (SW)	606	5	531657 311876
171	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 153.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A7NE (SW)	608	5	531652 311878
172	**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	A8NE (S)	617	5	532216 311721
173	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A9NW (SE)	632	5	532443 311783
174	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 353.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SE (NW)	634	5	531726 312887
175	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 249.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NE (SW)	640	5	531628 311857
176	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 75.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Lambert Drain Catchment Name: Nene Primacy: 2	A9NW (SE)	644	5	532454 311775
177	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 92.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tinsley's Drain Catchment Name: Nene Primacy: 2	A19SW (NE)	645	5	532608 312808

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
178	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 159.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (W)	651	5	531441 312144
179	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 280.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NW (SW)	655	5	531788 311730
180	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (SW)	665	5	531477 312016
181	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8NE (SE)	670	5	532402 311720
182	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 103.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Lambert Drain Catchment Name: Nene Primacy: 2	A8NE (SE)	680	5	532411 311713
183	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 60.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (SW)	682	5	531451 312028
184	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 85.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	683	5	531922 311655
185	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	683	5	531922 311655
186	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 142.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	685	5	531927 311651

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
187	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SE (NE)	695	5	532408 313003
188	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 399.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18SE (NE)	699	5	532410 313007
189	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 197.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NW (N)	699	5	531973 313044
190	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 32.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SE (SW)	706	5	531430 312018
191	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 29.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A18NE (N)	718	5	532163 313078
192	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19SW (NE)	722	5	532634 312890
193	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 240.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NW (N)	724	5	531964 313068
194	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SE (S)	726	5	532339 311637
195	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NW (SW)	731	5	531416 311988

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
196	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 109.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tinsley's Drain Catchment Name: Nene Primacy: 2	A19SW (NE)	733	5	532648 312891
197	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NW (SW)	736	5	531414 311983
198	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 205.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NW (SW)	736	5	531414 311983
199	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 374.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Lambert Drain Catchment Name: Nene Primacy: 2	A8SE (S)	739	5	532352 311628
200	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NW (SW)	742	5	531411 311976
201	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 60.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A18NE (N)	746	5	532172 313105
202	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	750	5	531313 312363
203	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 171.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	750	5	531313 312363
204	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 222.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	751	5	531311 312357

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
205	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NE (SW)	755	5	531582 311743
206	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	757	5	532899 312386
207	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 106.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A7NE (SW)	758	5	531577 311745
208	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 137.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	762	5	531873 311585
209	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	762	5	531875 311584
210	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 152.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	762	5	531881 311583
211	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 49.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NW (SW)	764	5	531399 311951
212	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 336.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19NW (NE)	765	5	532449 313061
213	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 82.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	777	5	532920 312359

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
214	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 275.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NW (N)	795	5	531943 313136
215	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 212.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NE (SW)	800	5	531547 311714
216	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A18NE (N)	803	5	532194 313161
217	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 208.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NW (SW)	804	5	531380 311905
218	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A18NE (N)	809	5	532196 313167
219	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	813	5	531278 312127
220	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 80.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NW (SW)	817	5	531382 311877
221	**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	A12SW (W)	819	5	531274 312118
222	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NE (N)	827	5	532192 313186

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
223	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 199.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17NE (NW)	829	5	531692 313091
224	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 129.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A18NE (N)	829	5	532204 313187
225	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 63.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14SE (E)	831	5	532971 312294
226	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 303.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19NW (NE)	837	5	532476 313128
227	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 92.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tinsley's Drain Catchment Name: Nene Primacy: 2	A19SW (NE)	837	5	532694 312991
228	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19SW (NE)	837	5	532694 312991
229	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 169.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19SW (NE)	843	5	532702 312991
230	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 220.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19NW (NE)	844	5	532466 313140
231	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 208.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NW (SW)	846	5	531358 311860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
232	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	856	5	531241 312099
233	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	856	5	531241 312099
234	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	860	5	531238 312091
235	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 68.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A7SE (SW)	862	5	531524 311652
236	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7SE (SW)	862	5	531524 311652
237	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 91.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A9SW (SE)	863	5	532633 311631
238	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 211.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7SE (SW)	866	5	531516 311654
239	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 45.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NE (N)	866	5	532126 313226
240	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 94.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NW (SW)	870	5	531347 311833

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 463.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7SE (SW)	874	5	531690 311533
242	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 61.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14SE (E)	877	5	533012 312246
243	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 402.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14SE (E)	877	5	533012 312246
244	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 82.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	881	5	531225 312064
245	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 337.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	883	5	531212 312101
246	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 399.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	893	5	531795 311472
247	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 185.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	894	5	531975 311433
248	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 46.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19SE (NE)	895	5	532891 312852
249	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	895	5	531374 312921

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
250	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	897	5	531326 312861
251	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 73.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NW (N)	899	5	531967 313246
252	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	900	5	531341 312886
253	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	902	5	531349 312901
254	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 227.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NW (N)	903	5	532015 313257
255	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 77.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	903	5	531289 312815
256	**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	A17SW (NW)	904	5	531361 312919
257	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	904	5	531364 312924
258	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 137.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	905	5	531368 312929

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
259	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 455.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A9SW (SE)	906	5	532673 311606
260	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 83.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14SE (E)	907	5	533048 312296
261	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 279.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14SE (E)	907	5	533048 312296
262	**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	A17SW (NW)	908	5	531248 312750
263	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 97.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	912	5	531244 312753
264	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19NW (NE)	919	5	532720 313075
265	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	921	5	531141 312370
266	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 159.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	921	5	531141 312370
267	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 205.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	923	5	531139 312364

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
268	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17NE (NW)	923	5	531449 313039
269	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 215.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	925	5	531308 312884
270	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tinsley's Drain Catchment Name: Nene Primacy: 2	A19NW (NE)	926	5	532733 313074
271	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19NW (NE)	926	5	532733 313074
272	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	926	5	531275 312835
273	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 112.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tinsley's Drain Catchment Name: Nene Primacy: 2	A19NW (NE)	927	5	532733 313075
274	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 498.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NW (N)	927	5	531892 313261
275	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 330.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	927	5	531269 312828
276	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 310.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A7SE (SW)	930	5	531490 311593

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
277	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7SE (SW)	930	5	531490 311593
278	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 206.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7SE (SW)	931	5	531483 311598
279	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	931	5	531189 312672
280	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 221.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A19NW (NE)	932	5	532743 313074
281	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A9SW (SE)	933	5	532728 311615
282	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	933	5	531185 312664
283	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	934	5	531181 312658
284	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 44.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17NE (NW)	936	5	531463 313068
285	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	937	5	531167 312624

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
286	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	938	5	531171 312642
287	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.2 Watercourse Level: Underground Permanent: True Watercourse Name: Lambert Drain Catchment Name: Nene Primacy: 2	A14NE (E)	938	5	533046 312612
288	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 49.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NW (W)	938	5	531190 311990
289	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	938	5	533046 312612
290	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	940	5	531168 312638
291	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	943	5	531161 312626
292	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17SW (NW)	944	5	531394 313015
293	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NW (SW)	946	5	531322 311739
294	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17NE (NW)	946	5	531493 313104

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
295	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 96.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12NW (W)	947	5	531155 312620
296	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NE (N)	949	5	532237 313304
297	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 147.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17NW (NW)	949	5	531407 313035
298	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 390.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	950	5	533061 312603
299	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 209.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A7NW (SW)	952	5	531307 311748
300	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 492.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NW (N)	952	5	532063 313309
301	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 146.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Division Drain Catchment Name: Nene Primacy: 2	A18NE (N)	953	5	532250 313307
302	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 249.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	954	5	533097 312364
303	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	954	5	533097 312364

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
304	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Lambert Drain Catchment Name: Nene Primacy: 2	A14NE (E)	955	5	533060 312628
305	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 155.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	958	5	533100 312371
306	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	961	5	531124 312134
307	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	963	5	531118 312164
308	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 75.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A9SW (SE)	966	5	532770 311608
309	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	967	5	531118 312136
310	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A12SW (W)	967	5	531112 312166
311	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 205.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NE (N)	971	5	532271 313322
312	**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	A7NW (SW)	974	5	531168 311946

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
313	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 389.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A9SW (SE)	976	5	532678 311524
314	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 209.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A18NW (N)	983	5	531926 313325
315	**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	A17NE (NW)	988	5	531495 313158
316	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 66.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A17NE (NW)	990	5	531491 313157
317	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A3NE (S)	996	5	532128 311328
318	**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	A17NE (NW)	996	5	531506 313174
319	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A11SE (W)	998	5	531079 312175
320	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 39.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A11NE (W)	999	5	531085 312554
321	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 322.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Lambert Drain Catchment Name: Nene Primacy: 2	A14NE (E)	999	5	533092 312673

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
322	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A14NE (E)	999	5	533092 312673

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
323	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Holbeach Drove, Lincolnshire Name: Holbeach Drove Gate Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD00232 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: RD7-27-01/89, SH-27-01/89, 2500/5073	A14NW (E)	646	2	532756 312566
324	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Gedney Hill, Lincolnshire Name: Long Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD00235 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: RD7-30-01/89, SH-30-01/89	A9NE (SE)	973	2	532975 311849
	Local Authority Landfill Coverage Name: South Holland District Council - Has no landfill data to supply		0	3	532102 312343
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	532102 312343

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)	A13NW (SW)	0	1	532102 312343
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (SW)	0	1	532102 312343
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (W)	62	1	532000 312343
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (S)	329	1	532000 312000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SW (N)	640	1	532102 313000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9NE (E)	930	1	533000 312000
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	532102 312343
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	532102 312343
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	532102 312343
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	532102 312343
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	532102 312343
	Potential for Running Sand Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	5	1	532130 312377
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	532102 312343
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	5	1	532130 312377
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	532102 312343
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	532102 312343

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
325	**Contemporary Trade Directory Entries** Name: Ross Mackintosh Location: Cherry Tree House, 138, Dog Drove South, Holbeach Drove, Spalding, Lincolnshire, PE12 0SD Classification: Engineering Services **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	209	-	532001 312124
326	**Contemporary Trade Directory Entries** Name: W H Fowler & Sons Location: 155, Dog Drove South, Holbeach Drove, Spalding, PE12 0SD Classification: Bus & Coach Operators & Stations **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	336	-	532006 311992
326	**Contemporary Trade Directory Entries** Name: W H Fowler & Sons Location: 155, Dog Drove South, Holbeach Drove, Spalding, PE12 0SD Classification: Bus & Coach Operators & Stations **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	336	-	532006 311992
326	**Contemporary Trade Directory Entries** Name: W H Fowler & Sons Ltd Location: 155, Dog Drove South, Holbeach Drove, Spalding, Lincolnshire, PE12 0SD Classification: Bus & Coach Operators & Stations **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	336	-	532006 311992
327	**Contemporary Trade Directory Entries** Name: The Stores & Filling Station Location: Spalding, PE12 0PX Classification: Petrol Filling Stations **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	478	-	532621 312371
328	**Contemporary Trade Directory Entries** Name: Wrights Transport Location: 126, Broadgate, Whaplode Drove, Spalding, Lincolnshire, PE12 0TW Classification: Road Haulage Services **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A12NE (W)	482	-	531598 312477
329	**Contemporary Trade Directory Entries** Name: W H Brand Ltd Location: 77, Broadgate, Whaplode Drove, SPALDING, Lincolnshire, PE12 0TN Classification: Car Dealers **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	548	-	531759 312806
330	**Contemporary Trade Directory Entries** Name: W J Webb & Company Ltd Location: 35, Broadgate, Whaplode Drove, Spalding, Lincolnshire, PE12 0TN Classification: Rubber & Plastic Products - Manufacturers **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A18NW (N)	859	-	531907 313194
330	**Contemporary Trade Directory Entries** Name: Alan Pell Music Location: 36, Broadgate, Whaplode Drove, Spalding, Lincolnshire, PE12 0TN Classification: Musical Instrument - Manufacturers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	865	-	531870 313192
331	**Contemporary Trade Directory Entries** Name: Partridge Guns & Country Store Location: 51 Dog Drove North, Holbeach Drove, Spalding, Lincolnshire, PE12 0SA Classification: Gunsmiths **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	965	-	532549 313235
332	**Contemporary Trade Directory Entries** Name: Fenland Car Services Location: Fenland Car Services, Whaplode Drove, Spalding, Lincolnshire, PE12 0TU Classification: Garage Services **Status:** **Inactive** Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	992	-	531644 313248

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
333	**Fuel Station Entries** Name: The Stores And Filling Station Location: Holbeach Drove , , Spalding, Lincolnshire, PE12 0PX Brand: Pace Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	477	-	532620 312373
334	**Points of Interest - Commercial Services** Name: Wrights Transport Location: 126 Broadgate, Whaplode Drove, Spalding, PE12 0LT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NE (W)	484	7	531596 312478
335	**Points of Interest - Manufacturing and Production** Name: Tank Location: PE12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	119	7	532206 312461
336	**Points of Interest - Manufacturing and Production** Name: Rosedale Farm & Nurseries Location: Chapel Drove, Holbeach Drove, Spalding, PE12 0PT Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A14SW (E)	448	7	532584 312282
337	**Points of Interest - Manufacturing and Production** Name: C R & S R Hatter Location: Five Acres, Holbeach Drove, Spalding, PE12 0PX Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A19SE (NE)	791	7	532848 312719
337	**Points of Interest - Manufacturing and Production** Name: C R & S R Hatter Location: Five Acres, Holbeach Drove Gate, Holbeach Drove, Spalding, PE12 0PX Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A19SE (NE)	791	7	532847 312721
337	**Points of Interest - Manufacturing and Production** Name: M B Hatter Location: Five Acres, Holbeach Drove, Spalding, PE12 0PX Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A19SE (NE)	791	7	532848 312719
338	**Points of Interest - Manufacturing and Production** Name: Tank Location: PE12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	841	7	532983 312388
339	**Points of Interest - Manufacturing and Production** Name: Works Location: PE12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	854	7	531918 313191
339	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	855	7	531918 313192
339	**Points of Interest - Manufacturing and Production** Name: Works Location: PE12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	869	7	531847 313191
339	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	871	7	531848 313193

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
340	**Points of Interest - Public Infrastructure** Name: W H Fowler & Sons Ltd Location: 155 Dog Drove South, Holbeach Drove, Spalding, PE12 0SD Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A8NW (S)	336	7	532006 311992
340	**Points of Interest - Public Infrastructure** Name: W H Fowler & Sons Location: 155 Dog Drove South, Holbeach Drove, Spalding, PE12 0SD Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A8NW (S)	337	7	532005 311991
341	**Points of Interest - Public Infrastructure** Name: The Stores & Filling Station Location: Holbeach Drove, Spalding, PE12 0PX Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (E)	477	7	532620 312373
341	**Points of Interest - Public Infrastructure** Name: The Stores & Filling Station Location: Holbeach Drove, Spalding, PE12 0PX Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (E)	477	7	532620 312373

Data Currency

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
Peterborough City Council - Environmental Health Department	October 2017	Annual Rolling Update
Fenland District Council - Environmental Health Department	September 2017	Annual Rolling Update
South Holland District Council - Environmental Services	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Anglian Region	April 2022	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Anglian Region	March 2013	
Integrated Pollution Controls		
Environment Agency - Anglian Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - Anglian Region	April 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Fenland District Council - Environmental Health Department	February 2015	Variable
Peterborough City Council - Environmental Health Department	March 2015	Variable
South Holland District Council - Environmental Services	October 2014	Variable
Local Authority Pollution Prevention and Controls		
Fenland District Council - Environmental Health Department	February 2015	Annual Rolling Update
Peterborough City Council - Environmental Health Department	March 2015	Not Applicable
South Holland District Council - Environmental Services	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Fenland District Council - Environmental Health Department	February 2015	Variable
Peterborough City Council - Environmental Health Department	March 2015	Variable
South Holland District Council - Environmental Services	October 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	June 2022	
Pollution Incidents to Controlled Waters		
Environment Agency - Anglian Region	September 1999	
Prosecutions Relating to Authorised Processes		
Environment Agency - Anglian Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - Anglian Region	March 2013	
Registered Radioactive Substances		
Environment Agency - Anglian Region	June 2016	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - Anglian Region - Central Area	April 2022	Quarterly
Environment Agency - Anglian Region - Northern Area	April 2022	Quarterly
Water Abstractions		
Environment Agency - Anglian Region	July 2022	Quarterly
Water Industry Act Referrals		
Environment Agency - Anglian Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually

Data Currency

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	July 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	May 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	May 2022	Quarterly
Flood Defences Environment Agency - Head Office	May 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Data Currency

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Central Area	April 2022	Quarterly
Environment Agency - Anglian Region - Northern Area	April 2022	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Anglian Region - Central Area	April 2022	Quarterly
Environment Agency - Anglian Region - Northern Area	April 2022	Quarterly
Local Authority Landfill Coverage		
Cambridgeshire County Council	February 2003	Not Applicable
Fenland District Council	February 2003	Not Applicable
Lincolnshire County Council	February 2003	Not Applicable
Peterborough City Council	February 2003	Not Applicable
South Holland District Council - Environmental Services	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Cambridgeshire County Council	October 2018	
Fenland District Council	October 2018	
Lincolnshire County Council	October 2018	
Peterborough City Council	October 2018	
South Holland District Council - Environmental Services	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Anglian Region - Central Area	March 2006	Not Applicable
Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Central Area	April 2018	
Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Anglian Region - Central Area	June 2015	
Environment Agency - Anglian Region - Northern Area	June 2015	

Data Currency

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Lincolnshire County Council - Highways and Planning Department	August 2010	Variable
Cambridgeshire County Council	February 2016	Variable
Fenland District Council	February 2016	Variable
Peterborough City Council	February 2016	Variable
South Holland District Council	January 2016	Variable
Planning Hazardous Substance Consents		
Lincolnshire County Council - Highways and Planning Department	August 2007	Variable
Cambridgeshire County Council	February 2016	Variable
Fenland District Council	February 2016	Variable
Peterborough City Council	February 2016	Variable
South Holland District Council	January 2016	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	Annually

Data Currency

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

Data Currency

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

Data Suppliers

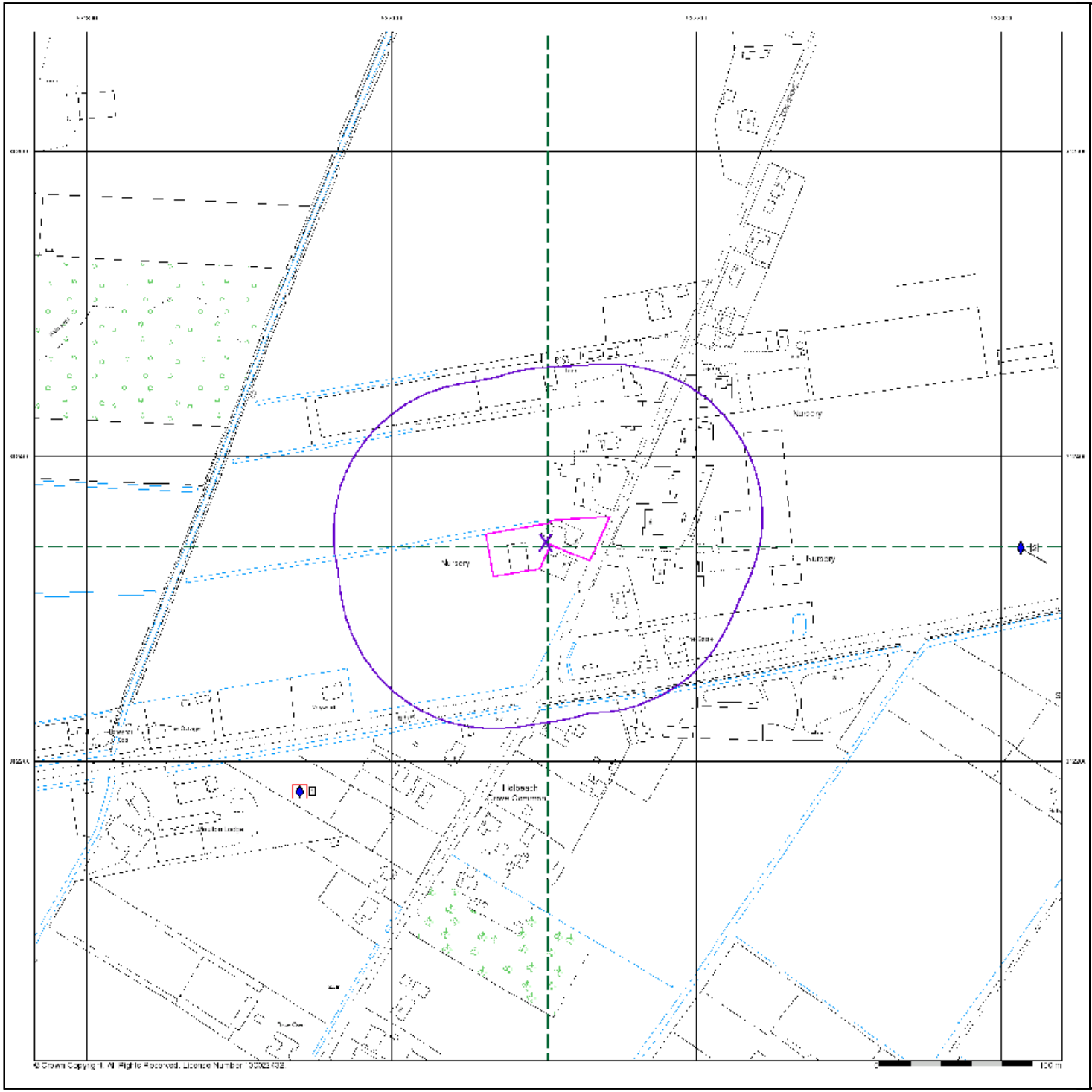
A selection of organisations who provide data within this report

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

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**South Holland District Council - Environmental Services** Council Offices, Priory Road, Spalding, Lincolnshire, PE11 2XE	Website: www.sholland.gov.uk
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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General

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

Agency and Hydrological

Integrated Pollution Control

Integrated Pollution Prevention Control

Waste

BOS Registered Landfill Site (boundary)

Registered Landfill Site

Potentially Infilled Land (Water)

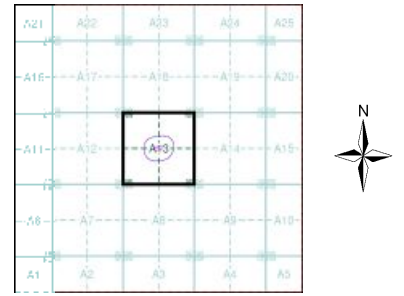
Hazardous Substances

COMAH Site | Explosives Site

Geological

BGS Recorded Mine Site

Site Sensitivity Map - Segment A13



Order Details

Order Number:	299800391_1_1
Customer Ref:	120 Dog Drove Nth
National Grid Reference:	532100, 312340
Slice:	A
Site Area (Ha):	0.19
Plot Buffer (m):	100

Site Details

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA

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

Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	TFD1	Tidal Flat Deposits, 1	Clay and Silt	Not Supplied - Quaternary
	TFD1	Tidal Flat Deposits, 1	Sand and Silt	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WWAC	West Walton Formation and Ampthill Clay Formation (Undifferentiated)	Mudstone	Not Supplied - Oxfordian
	OXC	Oxford Clay Formation	Mudstone	Not Supplied - Callovian

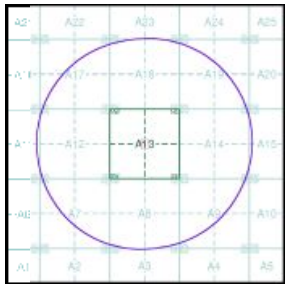
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	158
Map Name:	Peterborough
Map Date:	1984
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Not Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

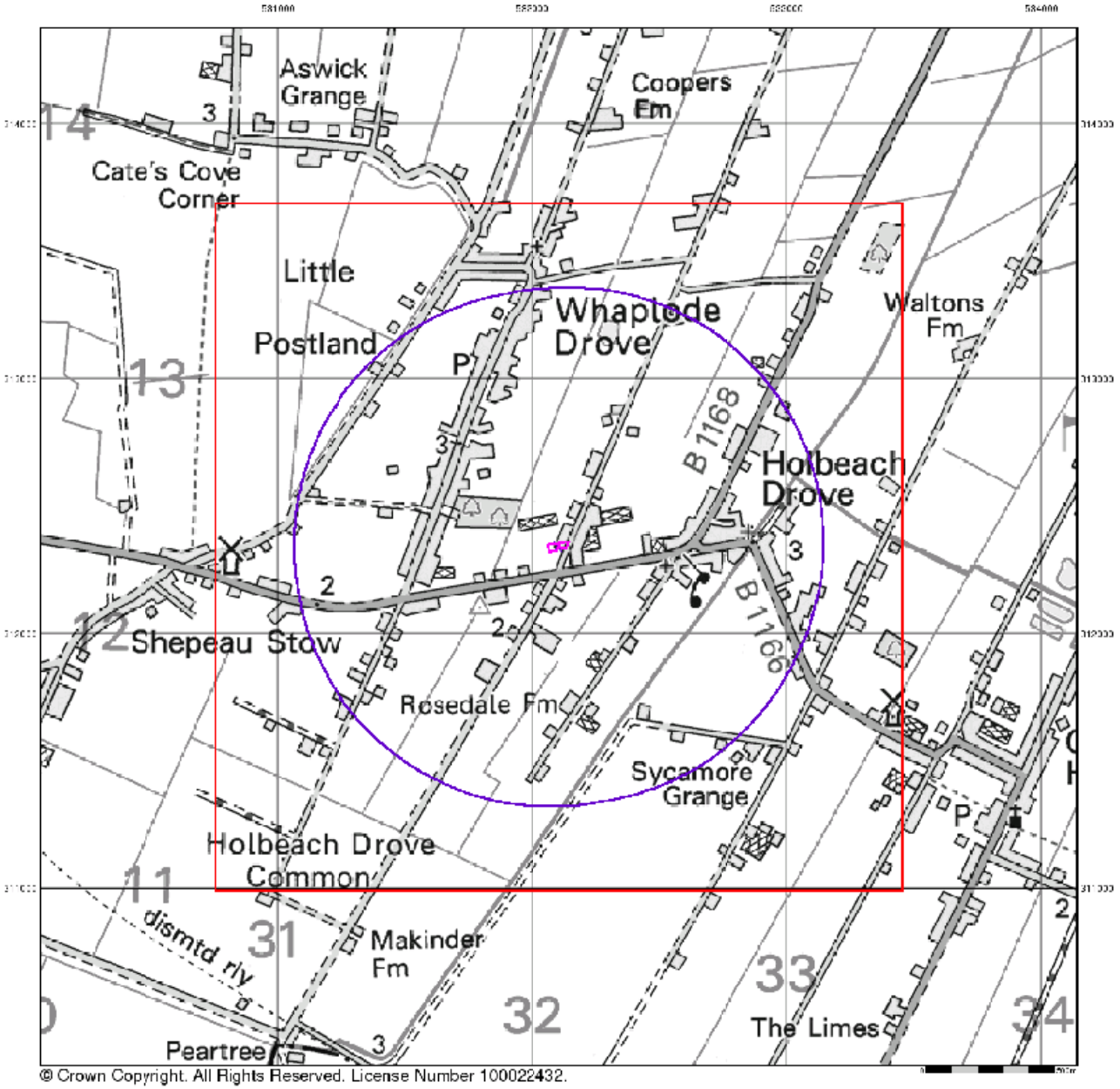


Order Details:

Order Number:	299800391_1_1
Customer Reference:	120 Dog Drove Nth
National Grid Reference:	532100, 312340
Slice:	A
Site Area (Ha):	0.19
Search Buffer (m):	1000

Site Details:

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA



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Artificial Ground and Landslip

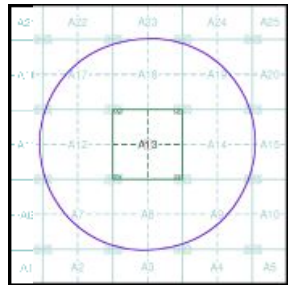
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



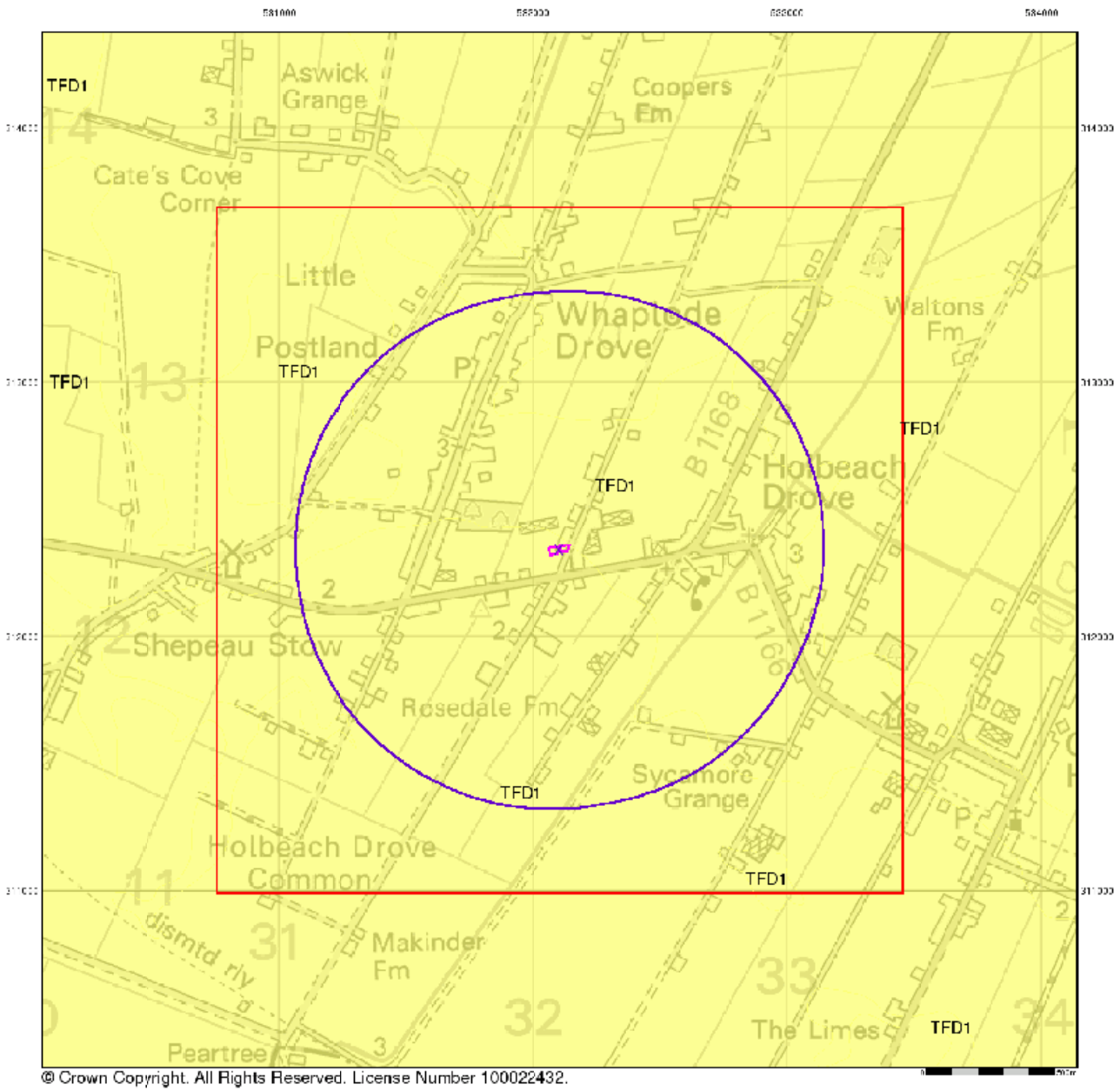
Order Details:

Order Number:	299800391_1_1
Customer Reference:	120 Dog Drove Nth
National Grid Reference:	532100, 312340
Slice:	A
Site Area (Ha):	0.19
Search Buffer (m):	1000

Site Details:

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA

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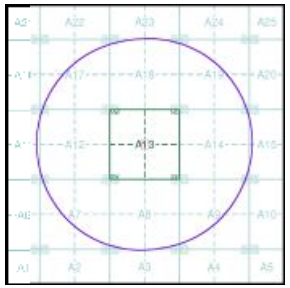
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



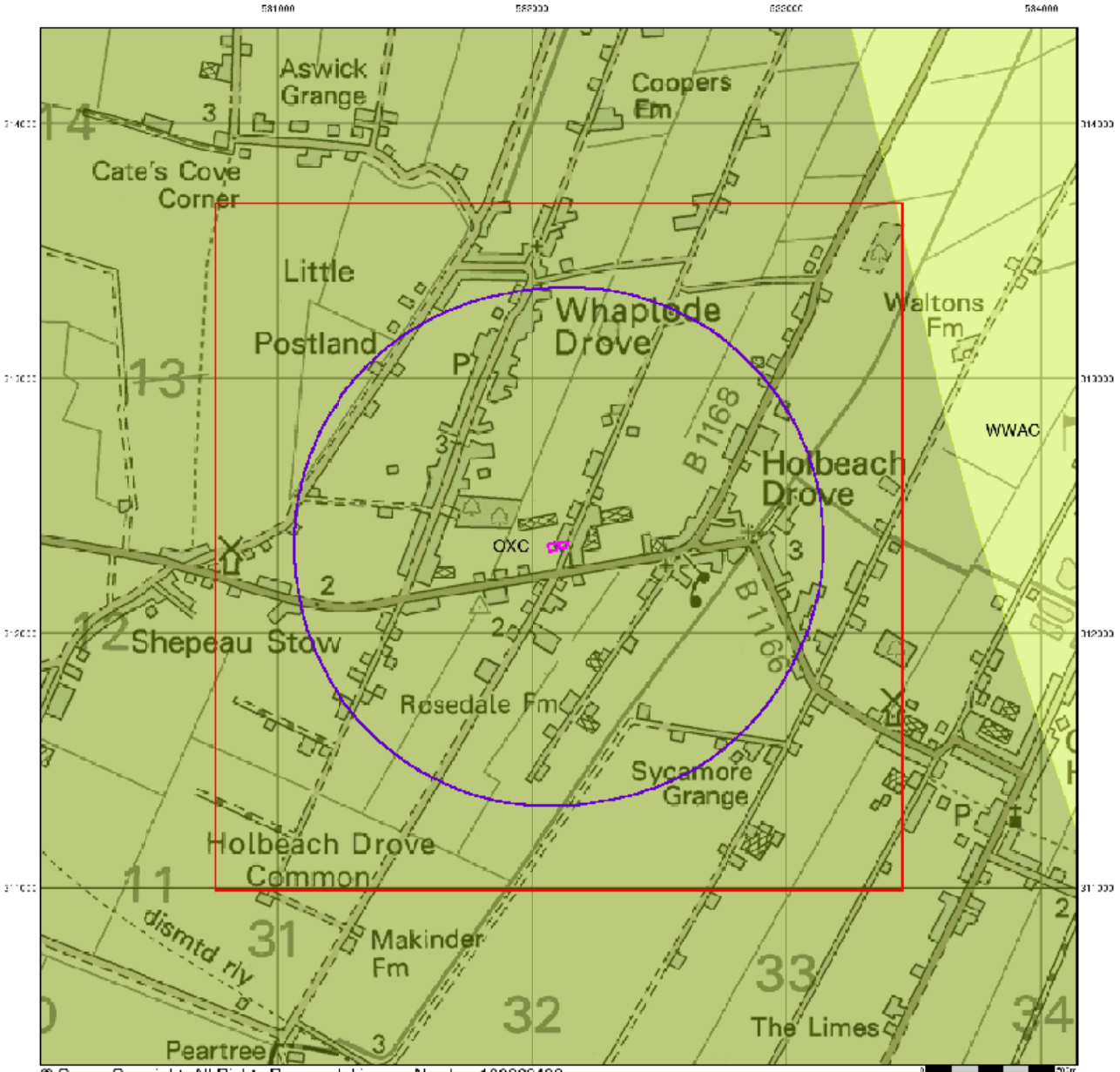
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Bedrock and Faults

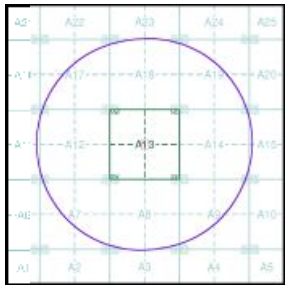
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



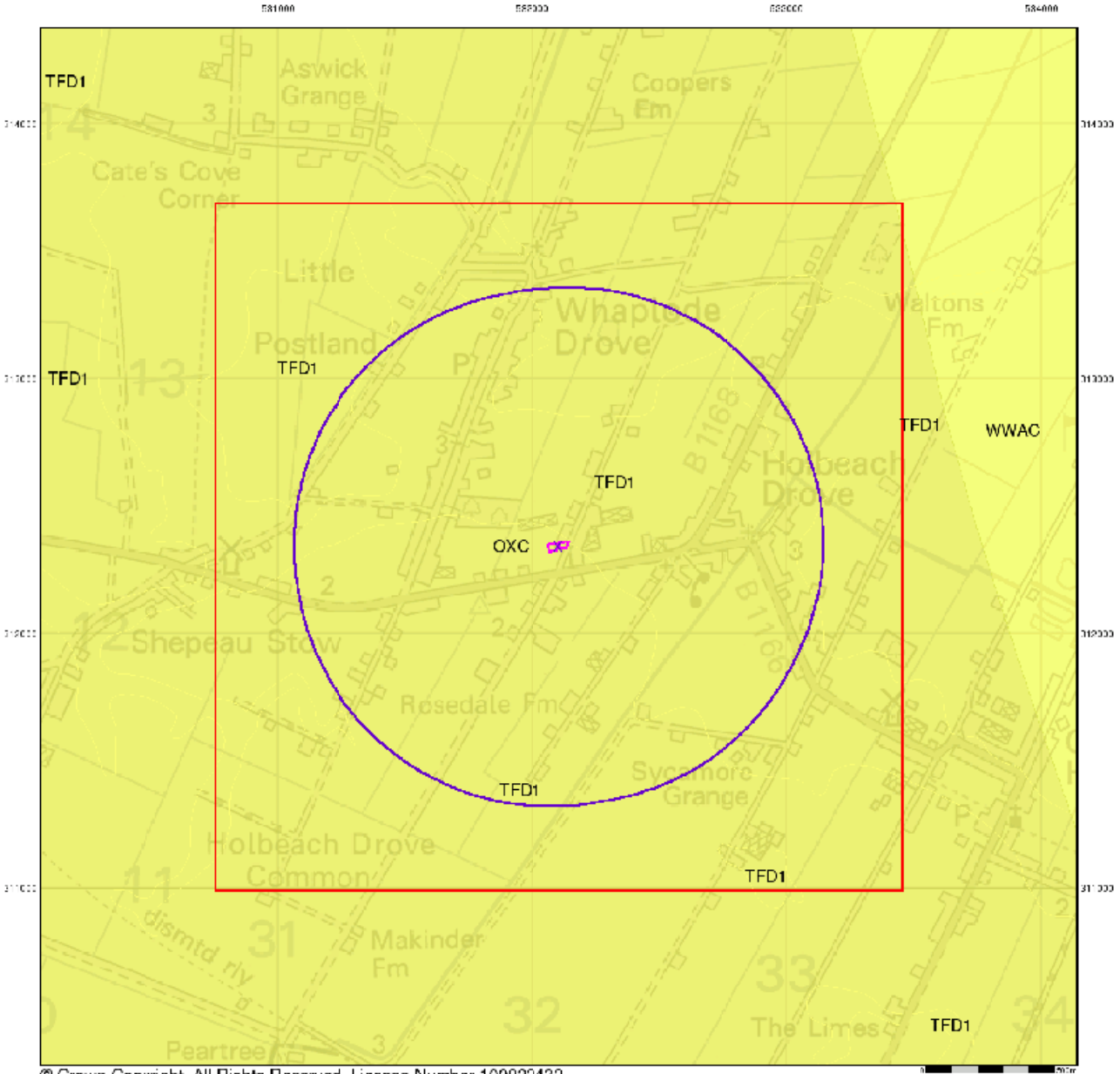
Order Details:

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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

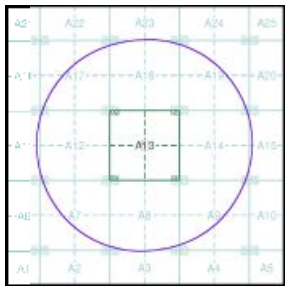
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A

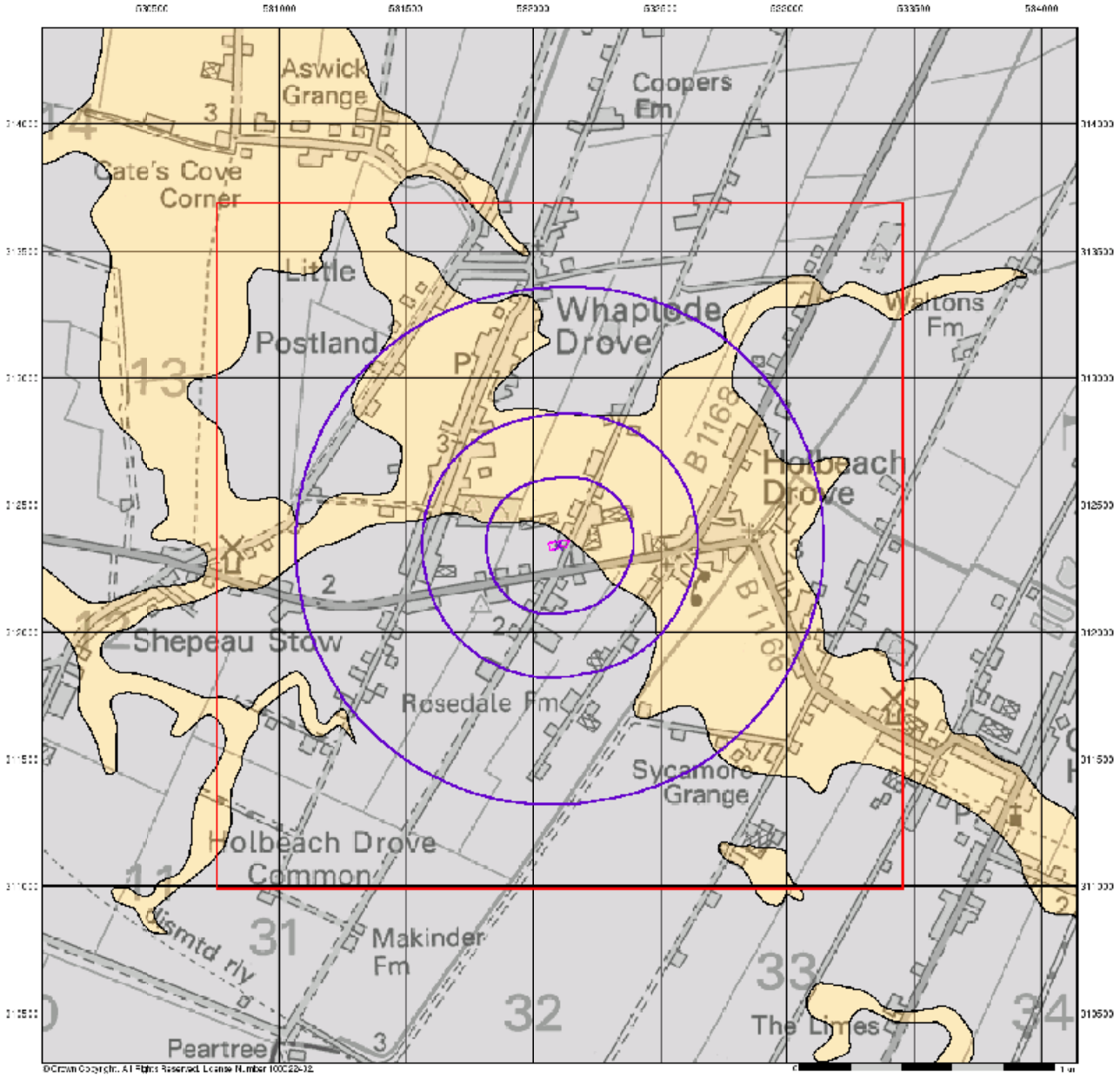


Order Details:

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Customer Reference:	120 Dog Drove Nth
National Grid Reference:	532100, 312340
Slice:	A
Site Area (Ha):	0.19
Search Buffer (m):	1000

Site Details:

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Groundwater Vulnerability

General

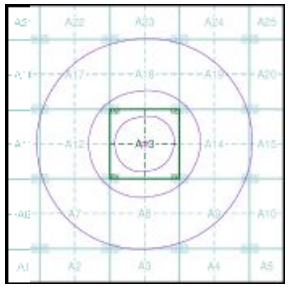
Specified Site | Specified Buffer(s) | Grid Reference Point
Flow | Isolines

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



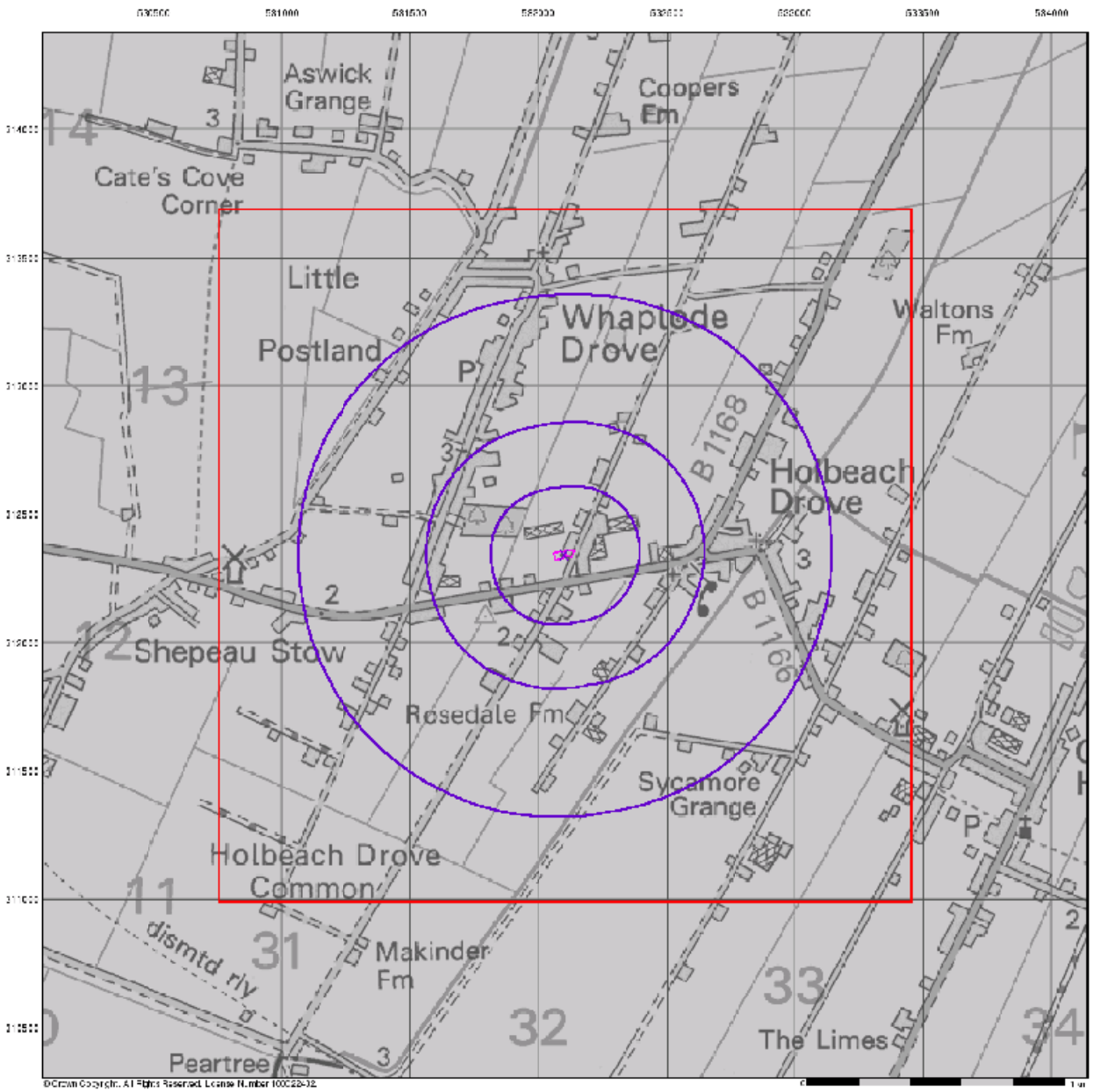
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Bedrock Aquifer Designation

General

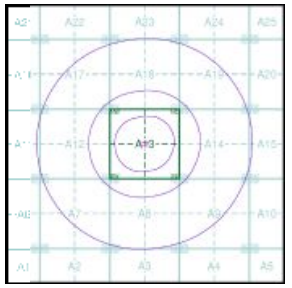
Specified Site | Specified Buffers | Search Reference Point
Piles | Mains

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

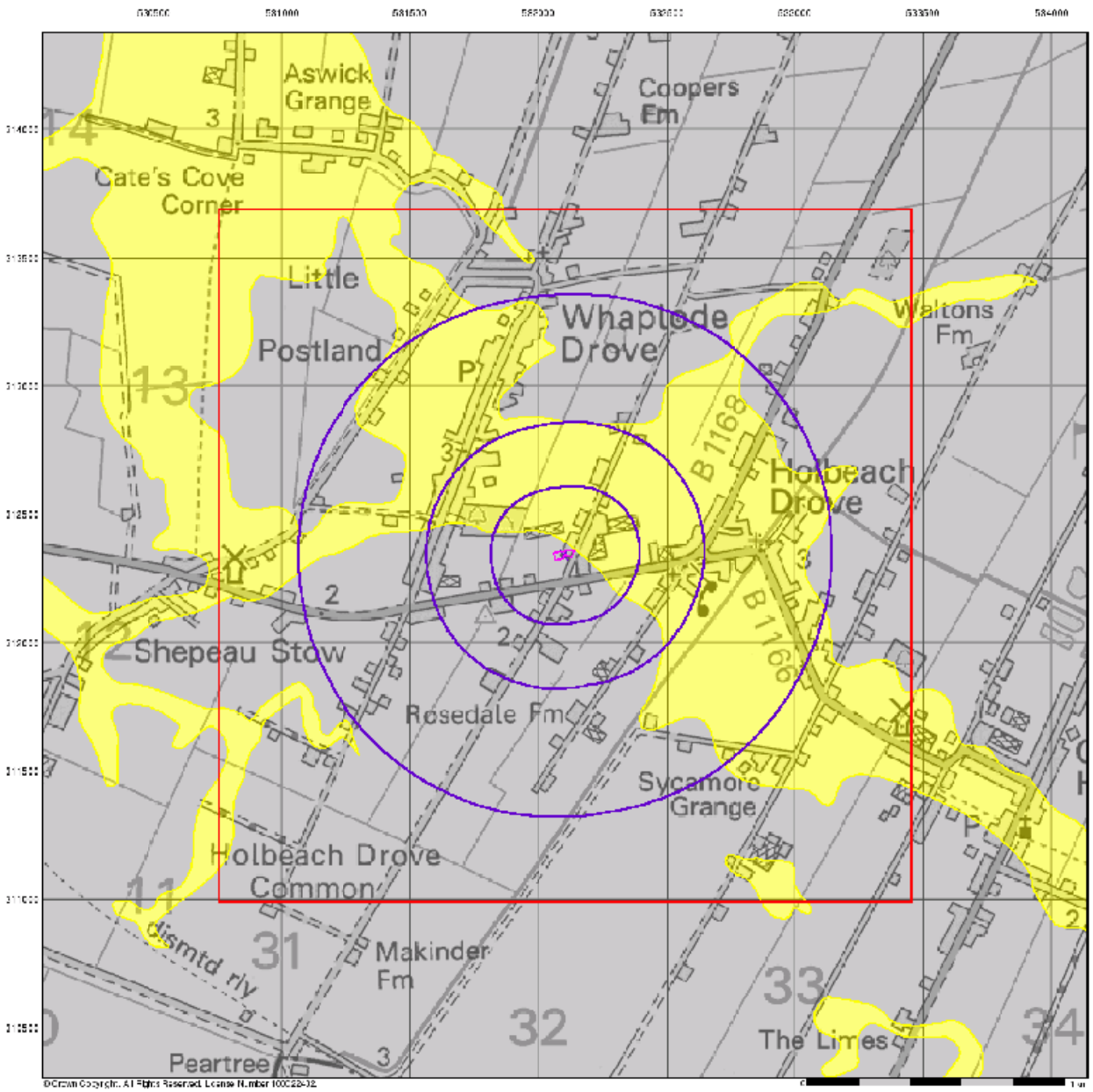


Order Details

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Customer Ref:	120 Dog Drove Nth
National Grid Reference:	532100, 312340
Slice:	A
Site Area (Ha):	0.19
Search Buffer (m):	1000

Site Details

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Superficial Aquifer Designation

General

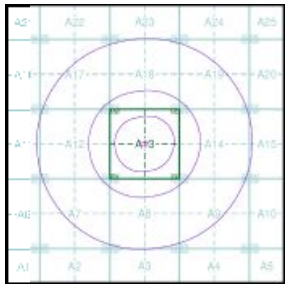
Specified Site | Specified Buffers | Search Reference Point
Rivers | Canals

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

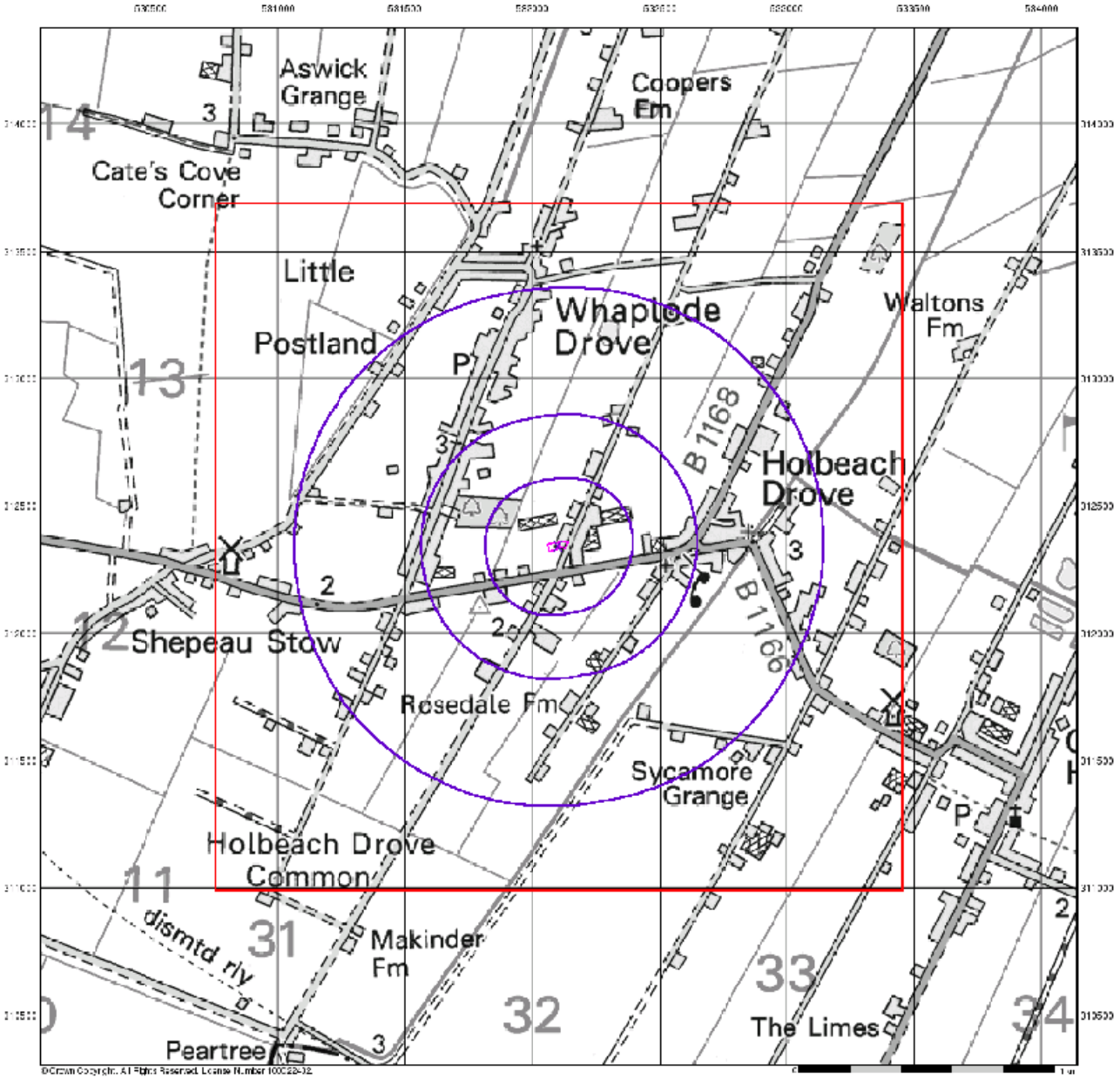


Order Details

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Slice:	A
Site Area (Ha):	0.19
Search Buffer (m):	1000

Site Details

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Source Protection Zones

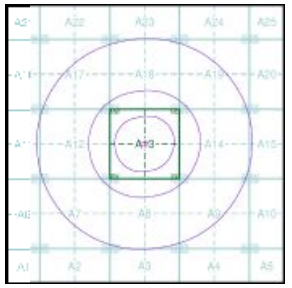
General

Specified Site | Specified Buffers | Geology Reference Point
Rivers | Canals

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



N

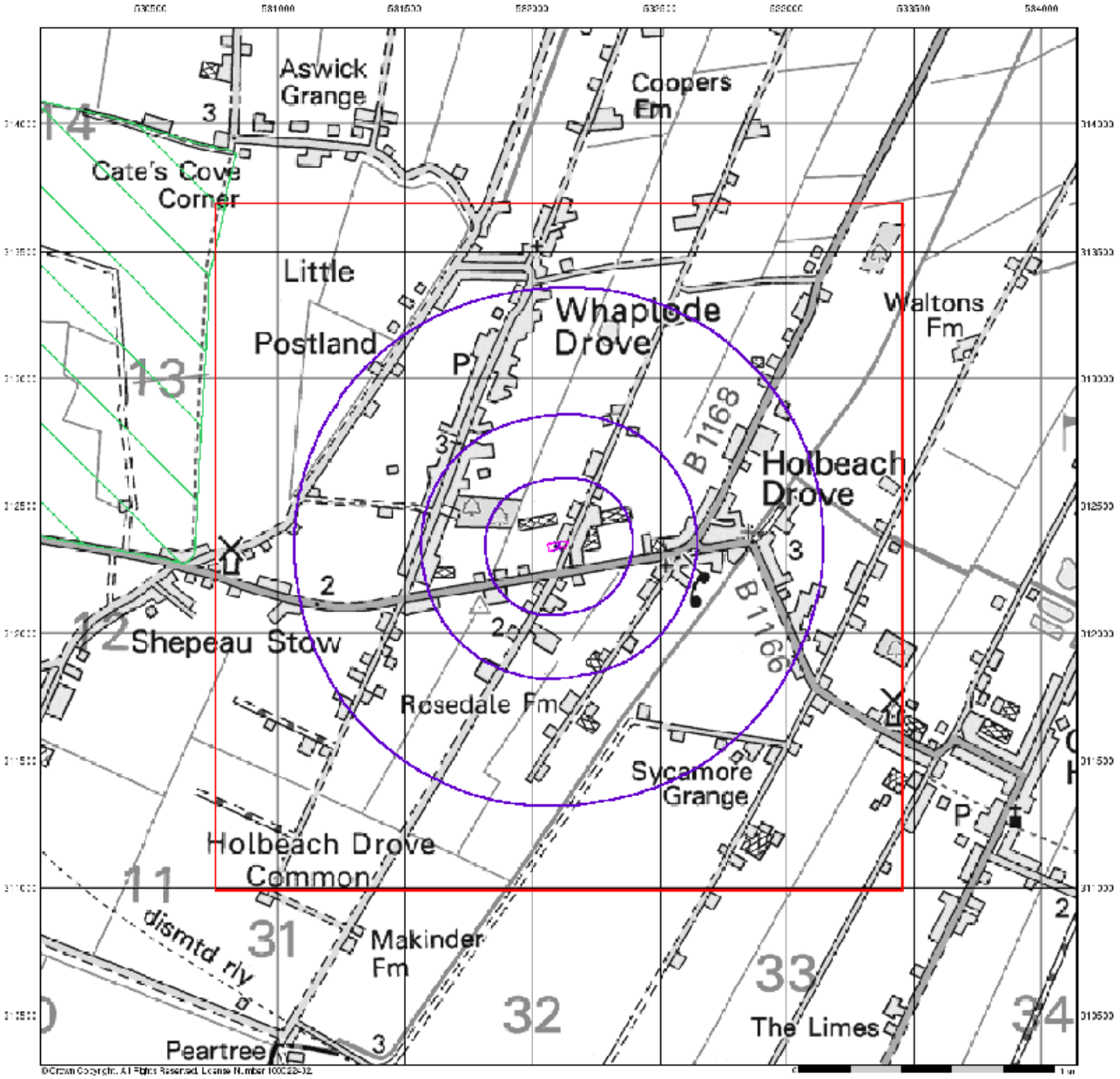
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Sensitive Land Uses

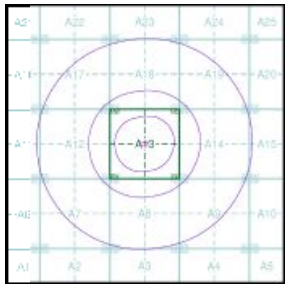
General

Specifier Site | Specified Buffer(s) | Specified Reference Point
Piles | Mine

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

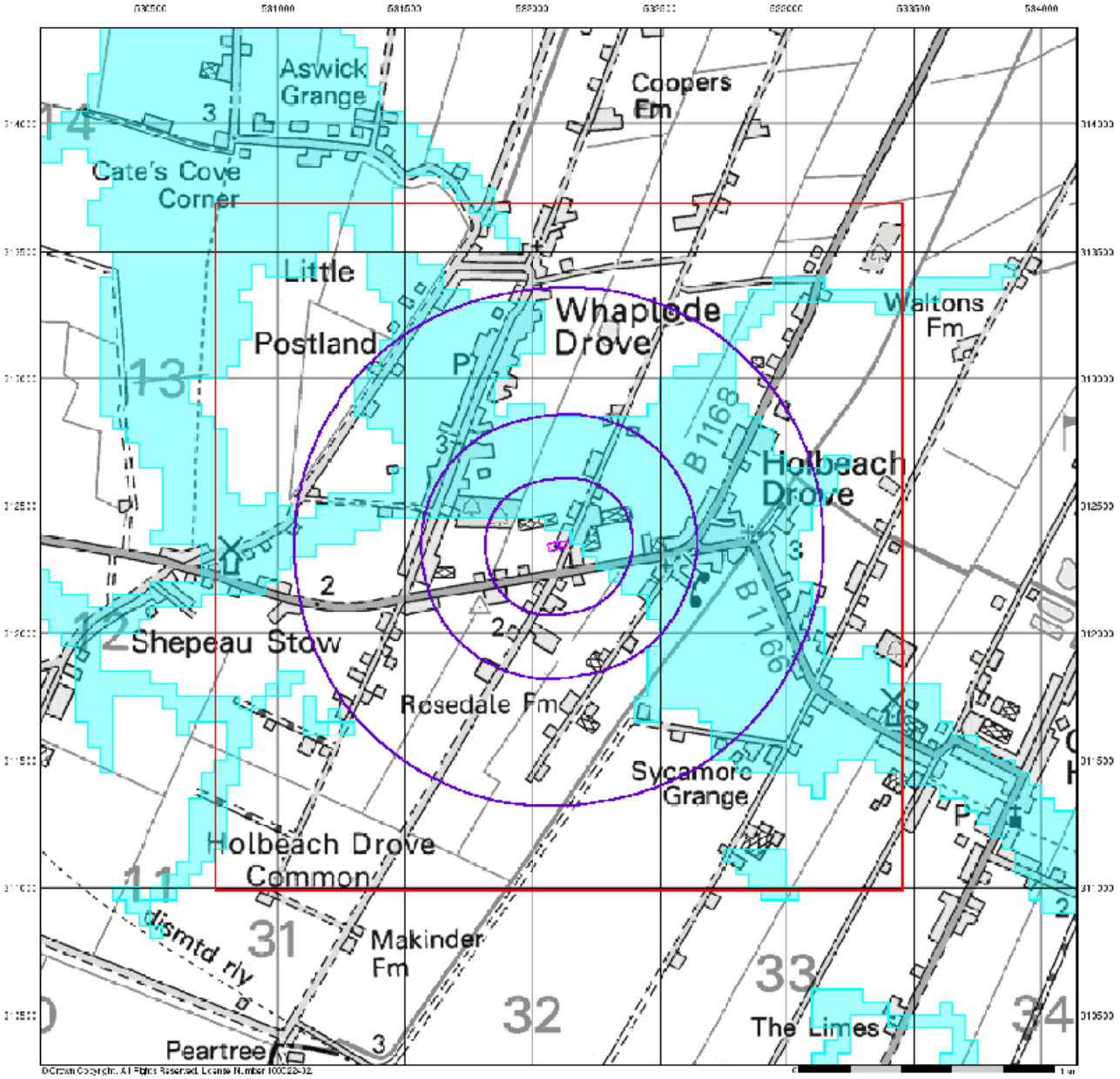


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National Grid Reference:	532100, 312340
Slice:	A
Site Area (Ha):	0.19
Search Buffer (m):	1000

Site Details

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA



BGS Flood GFS Data

General

Specific Site | Specified Boundary | Existing Boreholes | Site

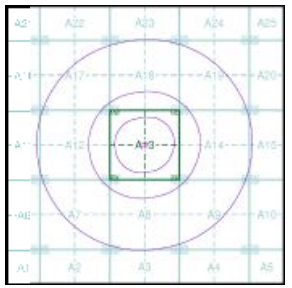
Agency and Hydrological (Flood)

Potential for Groundwater Flooding to Occur

Potential for Groundwater Flooding of Property Situated Below Ground Level

Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	299800391_1_1
Customer Ref:	120 Dog Drove Nth
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Site Area (Ha):	0.19
Search Buffer (m):	1000

Site Details

120, Dog Drove North, Holbeach Drove, SPALDING, PE12 0SA

Appendix D

Historical borehole logs

British Geological Survey

Version 2.0.6.6

BGS ID: 504028 : BGS Reference: TF31SW2
British National Grid (27700) : 532990,312540
Report an issue with this borehole

<< < Prev Page 1 of 2 Next > >>

INSTITUTE OF GEOLOGICAL SCIENCES

RECORD OF SHAFT OR BOREHOLE

6-in Map Registration No. TF 31 SW/8 2

Name and Number of Shaft or Borehole: FLEET FEN. BH 2. (PUMPING SCHEME)

For whom made SOUTH HOLLAND DRAINAGE BOARD

Town or Village ..... County .....

National Grid Reference 3299 1253

Exact site (reference to a fixed point on 1-in map): .....

1-in New Series Map No. 158

Enter 'C' if Confidential

Purpose for which made TRIAL

Ground Level at ~~shaft~~ bore relative to O.D. 2.82m 9.26 ODN If not ground level give O.D. of beginning of shaft bore .....

Made by FOUNDATION ENGINEERING Date of sinking 1966.

Information from ..... Examined by .....

SPECIMEN NUMBERS AND ADDITIONAL NOTES

Corrected location on basis of original numbering on labels + register No site plans
A. Horton
March 1980

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS FT	THICKNESS IN	DEPTH FT	DEPTH IN
	Made Ground.	1	0	0·30m	
	Firm brown mottled silty clay.	3	0	1·22m	
	Fine (loose) brown slightly clayey silty sand	5	6	2·90m	
	Loose grey silty fine sand.	11	6	9·40m	
	Water encountered at 8'-6" B.G.L.				

9/67 KCN Gp. 807 (5556) (888)

D 7547 Wt. 243081 4,000

British Geological Survey

British Geological Survey

British Geological Survey

INSTITUTE OF GEOLOGICAL SCIENCES

RECORD OF SHAFT OR BOREHOLE

6-in Map Registration No.

TF 31 SW/1

Name and Number of Shaft or Borehole: FLEET FEN BH 1. (PUMPING SCHEME)

National Grid Reference

For whom made SOUTH HOLLAND DRAINAGE BOARD

3251. 1189.

Town or Village ..... County .....

1-in New Series Map No.	Enter 'C' if Confidential
NA 158	

Exact site (reference to a fixed point on 1-in map):

Purpose for which made TRIAL -

Ground Level at shaft bore relative to O.D. 2.67m 9.73 ODN. If not ground level give O.D. of beginning of shaft bore .....

Made by FOUNDATION ENGINEERING Date of sinking 1966

Information from ..... Examined by .....

SPECIMEN NUMBERS AND ADDITIONAL NOTES

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS FT	THICKNESS IN	DEPTH FT	DEPTH IN
	Topsoil.	1	6	0.46m	
Water.	Loose brown silty fine sand. Some clay	7	6	2.74m	
	Loose grey/brown fine silty sand.	12	6	2	0.55m
	Water encountered at 8' 6" B.G.L.				

D 7547 Wt. 243081 4,000 9/67 KCN Gp. 807 (5556) (888)

British Geological Survey

IGS 1148 (664) 2000 8/74

Institute of Geological Sciences

RECORD OF SHAFT OR BOREHOLE

6-in or 1:10 000 Map Registration No.

TF. 31. SW/10

Name and Number of Shaft or Borehole:

11 Holbeach Drove Common

National Grid Reference

3185.1187

For whom made IGS

Town or Village _____ *County* _____

1-in or 1:50 000 New Series Map No.

Enter 'C' if Confidential

Exact site (reference to a fixed point on 1-in or 1:50 000 Map)

Purpose for which made Investigation of Recent/Pleist deps.

Ground level at ~~shaft~~ *bore relative to O.D.* _____ *m. If not ground level give O.D. of beginning of* *shaft* *bore* _____ *m.*

Made by IGS *Date of sinking* Feb 1980

Information from Cravs' auger samples *Examined by* C. Wilcox J. Zalasiewicz

Specimen Numbers and Additional Notes

Geological Classification	Description of Strata	Thickness *metres*	Depth *metres*
Barroway Drove Beds	Clay, grey-brown mottled (rusty weathered), peaty rootlets preserved below c.1.00; browning grey clay below c.1.20; jarosite and rootlets at c.120	1.68	1.68
	merges sharply to		
	Clay, soft, dark grey humic stained, slightly silty, with Cardium gastropods and comminuted debris	0.46	2.14
	merges from 2.07 - 2.14 to		
	Clay, soft grey with common peaty rootlets, silty from 2.85	1.04	3.14
	CORE LOSS - presumably soft clay	0.71	3.85
	Clay, very dark grey, soft, very slightly silty with prominent lighter grey burrow-fills between 3.85-3.92	0.22	4.07
	merges to		

JZ 1980

IGS 1148 (664) 2000 8/74

Institute of Geological Sciences

RECORD OF SHAFT OR BOREHOLE

6-in or 1:10 000 Map Registration No.

TF. 31. SW/10

National Grid Reference

3185. 1187

Name and Number of Shaft or Borehole:

TT Holbeach Drove Common. cont.

For whom made

Town or Village *County*

Exact site (reference to a fixed point on 1-in or 1:50 000 Map)

Purpose for which made

1-in or 1:50 000 New Series Map No.	Enter 'C' if Confidential

Ground level at shaft / bore relative to O.D. m. *If not ground level give O.D. of beginning of shaft / bore* m.

Made by *Date of sinking*

Information from *Examined by*

British Geological Survey

Specimen Numbers and Additional Notes

The following recorded :—

(A) 6·85 – 7·15 Sloppy silty clay
(B) 7·15 – 7·70 Clay, grey, ✱ silty
(C) 7·70 – 7·85 Peat

However, in augering, a hard layer was encountered at c. 7·35 – probably peat (C) plugging the end of the auger. Layer (B) is probably derived from above the peat – i.e. is "in situ". Layer (A) is probably mixed material derived from either above or below the peat.

Geological Classification	Description of Strata	Thickness *metres*	Depth *metres*
Barroway Drove Beds	Clay, soft grey silty, with shell debris (Cardium) at 4·22, becoming slightly silty downwards	0·26	4·33
	Peat, clayey in basal 0·03	0·12	4·45
	Clay, grey-brown silty	0·09	4·54
	Silt, coarse, to fine sand, occasional rootlet traces; merges very gradually by inclusion of clay laminae to –	0·31	4·85
	Clay, grey, slightly silty, with thin (<2cm) laminae of clayey silt. silt fraction decreases downwards	0·90	5·75
	CORE LOSS, presumably (?silty) clay	0·10	5·85
	Clay, soft grey, occasional peaty rootlets	1·00	6·85
	✱ see above for final 1·00 m.		

SZ 1980