



Preliminary Geo-Environmental Risk Assessment

Holbeach Food Enterprise Zone (FEZ)

Presented to: South Holland District Council




Issued: December 2022

Delta-Simons Project No: 89647.550348

Report Details

Client	South Holland District Council
Report Title	Preliminary Geo-Environmental Risk Assessment
Site Address	Holbeach Food Enterprise Zone, Holbeach, Spalding, PE12 7BF
Report No.	89647.550348_REP_Holbeach-FEZ_PRA_221216
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Quality Assurance

Issue No.	Status	Issue Date	Comments	Author	Technical Review	Authorised
01	Final	19/12/2022	-			
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As part of Lucion Services, our combined team of 500 in the UK has a range of specialist skill sets in over 50 environmental consultancy specialisms including asbestos, hazardous materials, ecology, air and water services, geo-environmental and sustainability amongst others.

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1.0 Introduction

1.1 Appointment

Delta-Simons Limited ("Delta-Simons") was instructed by Robert Doughty Consultancy on behalf of South Holland District Council (the "Client") to prepare a Preliminary Geo-Environmental Risk Assessment for Holbeach Food Enterprise Zone, Holbeach, Spalding, PE12 7BF (the "Site").

This Assessment was undertaken in accordance with Delta-Simons' fee proposal (Reference: 89647.550348), dated 21st November 2022. The standard limitations associated with this Assessment are presented in Appendix A.

1.2 Context & Purpose

The aim of this Report is to supersede the previous Phase 1 Desk Study report undertaken by Delta-Simons at the Site in August 2016. It is understood that the report was used to assist the facilitation of the Local Development Order (LDO) for the Holbeach Food Enterprise Zone (FEZ). The LDO is subject to a review and update to extend its period of operation beyond November 2023. As such, a review and update of the original Phase 1 report is required which this Assessment aims to achieve.

It is understood the Site is proposed for a mixed-use development zone, including logistics park, research and development zone, education zone and an engineering zone.

To that end this study assesses the likely environmental and geotechnical issues associated with soil and groundwater conditions that may affect the proposed development of the Site. This Report is designed in general accordance with guidance on Land Contamination: Risk Management pages of the GOV.UK web pages, the relevant requirements of the National Planning Policy Framework (NPPF) (as revised 2021) (paragraphs 174 & 183-184)¹ and the Planning Practice Guidance (Land Affected by Contamination)².

1.3 Scope of Works

The following scope of works has been undertaken as part of this Assessment.

- Review of the environmental setting of the Site, including the current use / status of the Site and surrounding area, and review of the geology, hydrogeology and hydrology;
- Review of the historical activities of the Site and surrounding area;
- Review of regulatory information relating to the Site;
- Review of the online planning records for the Site;
- Consultation and review of information from the Local Authority in relation to Part 2A of the 1990 Environmental Protection Act;
- Review of online records of potential unexploded ordnance risks;
- Completion of a Site reconnaissance visit, undertaking a visual inspection of readily accessible areas of the Site;
- Review of publicly available third-party reports relating to the Site or surrounding area;
- Development of an outline Conceptual Site Model and undertake a Preliminary Risk Assessment with respect to potential contamination focussed on the proposed land use; and
- Provision of commentary on potential land contamination and geotechnical constraints in the context of the proposed development.

Data sources used in this assessment are listed in Appendix B.

¹ https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1004408/NPPF_JULY_2021.pdf

² <https://www.gov.uk/guidance/land-affected-by-contamination>

1.4 Limitations


The standard limitations associated with this Assessment are presented in Appendix A. In addition, there are the following specific limitations that apply to this Assessment:

- Confirmed development specific plans have not been made available for the vacant plots; however, a commercial end use has been assumed for all areas;
- The consultant undertaking the Site inspection maintained a general awareness for evidence of invasive plant species, particularly Japanese Knotweed. While none were observed during the walkover, it should be noted that the Consultant is not a trained ecologist and a separate survey undertaken by an experienced Ecologist would be necessary if a more robust assessment is needed;
- The Assessment includes an initial assessment of unexploded ordnance (UXO) risks for the Site using online data sources. A detailed UXO assessment falls outside of the scope of this Assessment, further specialist assessment may be required; and
- The Assessment includes a preliminary assessment for the potential for radon gas hazards. A detailed radon assessment falls outside of the scope of this Report, and the requirement for radon mitigation measures in the proposed development should be identified separately to the satisfaction of the Local Authority.

2.0 Site Context & Data Review

The following sections provide a summary of the key site features based on the data sources listed in Appendix B. All distances, measurements and dates are approximate, and the accuracy limitations of the data sources should be noted.

2.1 Site Information

Site Overview			
			
Map data: Google, Maxar Technologies			
Co-ordinates	Centred at National Grid Reference 534920, 325800.	Elevation (Approx.)	3.0 - 4.0 m AOD
		Area (Approx.)	17.0 Ha
Site Address and Location	<p>The Site address is Holbeach Food Enterprise Zone, Holbeach, Spalding, PE12 7BF, located south of the A17 and west of the A151.</p> <p>The Site is located in the north-western outskirts of Holbeach, approximately 1.23 km north-west from the centre and approximately 1.41 km south-east from Saracen's Head.</p> <p>Google Maps Link</p>		
Site Description	<p>Delta-Simons conducted a Site walkover on the 12th December 2022. Pertinent information that was observed or reported on-Site is summarised below. A Relevant Features Plan with photographs is included as Figure 1.</p> <p>The Site consists of a mixture of developed plots, plots in development and undeveloped plots. The eastern part of the Site comprises the former Distillery Farm buildings and land, the south of the Site is under development in several plots, whilst the northwest of the Site is undeveloped.</p> <p>Distillery Farm</p>		

	<ul style="list-style-type: none">• A number of aboveground storage tanks with dispensers were noted to be present in this area. Three plastic tanks were present in a brick-built bund in the south of the area, noted to contain diesel, with some minor staining noted on the step outside the bund immediately beneath the dispenser station but no significant signs of spillage noted within the bund;• An open-sided barn structure, present in the west of the area and being used for the storage of farm machinery, was noted to comprise a steel portal frame with corrugated cladding, suspected to comprise asbestos. An asbestos warning sign was noted to be present on one of the steel uprights;• A number of unmarked drums, noted to be in good condition, were present adjacent to the farm machinery under the edge of the barn canopy;• Several large upright bunded storage tanks, noted to contain liquid fertiliser were present on the west of the plot. No spillages were noted within the bund. A number of large aboveground storage tanks containing water were also noted to be present alongside the fertiliser tanks;• A row of IBCs, noted to be either empty or partly full were present within a separate bund, also noted to contain liquid fertiliser chemicals. No significant spillages or evidence of spillages were noted within the bund or adjacent to the bund;• A further enclosed barn building, comprising steel portal frame with breeze block first storey and corrugated asbestos cladding for the second storey and pitched roofing was present on the east of the area, adjacent to the former farmhouse building. An aboveground plastic intergrally bunded storage tank, labelled for waste oil, was present adjacent to the enclosed barn;• Hardstanding across the yard area where the tanks and IBCs are present was noted to comprise concrete and was found to be in good condition. <p><u>Southeast of the Site</u></p> <ul style="list-style-type: none">• The southeast of the Site comprises a newly built education facility, occupied by University of Lincoln, comprising a two-storey building and a single-storey building with associated car parking and an electricity substation; <p><u>Southwest of the Site</u></p> <ul style="list-style-type: none">• The southwest of the Site was under development, with one three-storey building completed and currently being outfitted, with another two-storey building in development and underground services being installed along a partial road network; <p><u>North and west of the Site</u></p> <ul style="list-style-type: none">• The remainder of the Site was noted to be undeveloped, either comprising scrubland or showing evidence of recent cultivation. <p>The west of the Site was noted to be bounded by a ditch. No water was present in the ditch at the time of the walkover.</p>
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Description of Adjacent and Surrounding Land Uses	The Site is located within a rural area, with agricultural farmland surrounding the Site in all directions. A small residential estate positioned off Rose View Drive is located immediately south of the Site.
Where identified, the potential on-Site or off-Site sources of contamination are considered further in Section 3.0.	

2.2 Physical Setting

The physical setting of the subject property can influence the susceptibility to, and relative magnitude of, environmental impacts and liabilities associated with on- and off-Site sources of contamination. The following table provides physical setting information for the subject property and surrounding area.

Published Geology	British Geological Survey (BGS) online viewer (mapapps2.bgs.ac.uk/geoindex) and mapping (bgs.ac.uk/maps) (1:50,000 Sheet Number 144, Spalding) indicates that the Site is underlain by superficial Tidal Flat Deposits comprising clay and silt, over bedrock of the West Walton Formation comprising mudstone and siltstone.
Site-Specific Geology	There are no BGS recorded boreholes (mapapps2.bgs.ac.uk/geoindex) on the Site or in the immediate vicinity of the Site. Previous investigation undertaken by Delta-Simons and third-parties in the south of the Site encountered the following generalised geological sequence: <ul style="list-style-type: none"> • Topsoil comprising dark brown silty fine sands to depths between 0.10 m and 0.40 m bgl; • Light brown to grey silty fine sands to a maximum proven depth of 15.60 m bgl (Tidal Flat Deposits); over • Dark brown mottled clay with chalk fragments and sand/silt bands, proven to a maximum depth of 20.00 m bgl (West Walton Formation).
Aquifers and Groundwater Receptors	The Environment Agency (EA) data magic.defra.gov.uk classifies both the Tidal Flat Deposits and West Walton Formation as Unproductive Strata. The Site is not in a designated groundwater Source Protection Zone, there are no SPZs located within 1.0 km of the Site, and there are no recorded licenced groundwater abstractions located within 1 km of the Site.
Groundwater Levels and Flow Direction	The previous Site investigation undertaken at the Site by Delta-Simons (19-1476.01) identified groundwater strikes during drilling ranging between depths of 1.00 and 3.30 m bgl. Monitoring undertaken during the recorded standing groundwater levels varying between 0.90 m and 1.20 m bgl (1.80 to 2.10 m AOD) within the Tidal Flat Deposits. Groundwater is expected to flow to the east, towards the New River Drain.
Hydrology	Field drains are noted to be located on-Site along the border in the north, south and west. The closest surface watercourse is the New River Drain which flows through a culvert under A17 approximately 35 m to the north-east of the Site. The New River Drain flows north to a confluence with the Old River Drain, located approximately 310 m north of the Site. According to the Envirocheck Report, there are no licenced abstraction records from surface water located within 500 m of the Site.
Site Topography	The Site topography is generally flat, with not significant breaks in slope and no retaining walls present. The regional topography is also generally flat, in keeping with the land inland from the Wash.
Mining & Quarrying	Reference to the Coal Authority on-line viewer (bgs.ac.uk/coalauthority) indicates that the Site is not with a Coal Mining Reporting Area, and is not within a

	Development High Risk Area. Consequently, a Coal Mining Risk Assessment (CMRA) is unlikely to be required under the planning regime.
Ground Stability Hazards	The Envirocheck Report indicates the following hazards in the area of the Site: <ul style="list-style-type: none"> • Landslide ground stability hazards- very low risk; • Shrinking and swelling clay ground stability hazards - low risk; • Running sand ground stability hazards - moderate risk; and • Compressible ground stability hazards - moderate risk.
Radon Gas	Public Health England (ukradon.org) data indicates that the Site is in a lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). A detailed radon assessment falls outside of the scope of this Assessment, and the requirement for radon mitigation measures in the proposed development should be identified separately to the satisfaction of the Local Authority.

2.3 Sensitive Land Use

Ecological Receptors	It is understood from information provided within the Envirocheck Report, that there are no statutory ecological receptors are located within 500 m of the Site
Heritage Interest	Historic England Records (historicengland.org.uk) indicate that no areas of designated heritage interest are located on or adjacent to the Site.

2.4 Historical Use of the Site & Surrounding Area

2.4.1 Approach

The historical development of the Site and surrounding area has been assessed through a review of historical maps, aerial photographs, previous reports and Google Earth historical satellite imagery. A summary of the key historical Site uses and developments in the surrounding area is presented below. Copies of selected historical maps are included as Appendix E.

2.4.2 Historical Use Summary

Based on a review of the compilation of historical sources dating back to 1888, it appears that the Site has been in use primarily as agricultural land with limited areas of development.

At the time of the earliest available map, 1888, two unnamed buildings were present in the north-east and east of the Site and a pump was present in the west. By 1906, a second pump was present in the north-eastern area of the Site. Between 1888 and 1970, a number of small developments were undertaken relating to the existing buildings on-Site and by 1970 the collection of buildings was identified as 'Distillery Farm'.

By 1991, the centre-east of the Site was undergoing a large redevelopment, comprising the demolition of a number of small buildings and the development of three large warehouse type buildings. The A17 and A151 had also been developed to the immediate north and east. Aerial imagery from 2018 shows the redevelopment of the A17 and A151 including two roundabouts at the north-eastern boundary and south-eastern boundary of the Site. By 2021, aerial imagery shows the University of Lincoln's Institute of Technology to be completely developed in the south of the Site, and the Hub building development is known to have been completed in 2022.

Historical mapping indicates the surrounding areas to have been largely in agricultural use since at least 1888 up to present. Significant developments in the wider surrounding area are predominantly limited to the expansion of Holbeach to the southeast, which have been occurring since the 1950s, with no significant expansion since 2006.

Significant potential sources of contamination have not been identified associated with the historical uses of the Site or the surrounding area.

2.4.3 Unexploded Ordnance (UXO)

The Zetica Regional Unexploded Bomb Risk Map for the area of the Site (zeticauxo.com) indicates that there is a low risk of UXO in the area of the Site.

A detailed UXO assessment falls outside of the scope of this Assessment, and specialist assessment may be required to support future groundworks.

2.5 Environmental Database Review

The Landmark Envirocheck Report provides a database of environmental information held by various statutory bodies including the EA, Local Authority (LA), Health & Safety Executive (HSE) and Public Health England amongst others. A copy of the Envirocheck Report is provided in Appendix D and the most relevant information is summarised below.

Features On-Site	<p>The Landmark Envirocheck Report lists the following as relating to the Site:</p> <ul style="list-style-type: none"> • Two active contemporary trade directories relating to an agricultural merchants and chemical distribution / wholesale, located in the general area of the Distillery Farm; • An inactive contemporary trade directory entry relating to industrial and commercial machinery, located in the general area of the Distillery Farm; • An active Control of Major Accident Hazards Sites (COMAH) entry relating to a lower tier type, associated with Distillery Farm (likely associated with storage of fertilizer); and • Two historical discharge consents, located in the general area of the Distillery Farm relating to trade discharge (process water). The receiving water was noted to be a tributary of the River Whaplode (which feeds into the River Welland). <p>There are no BGS, LA and EA registered landfill sites on-Site.</p>
Potentially Contaminative Features Off-Site	<p>The Landmark Envirocheck Report lists the following as relating to within 250 m the Site:</p> <ul style="list-style-type: none"> • Two historical discharge consents, located approximately 50 m and 60 m south of the Site were present, relating to treated sewage discharge effluent. The receiving water was noted to be a tributary of Holbeach River. <p>Within the wider area, a historical landfill site for inert household waste, located approximately 650 m south. Given the distance to the Site and the proposed commercial use of the Site, the risk is considered very low.</p>

2.6 Planning Review/Regulatory Enquiries

On-line Planning Review	<p>South Holland District Council sholland.gov.uk/planningSearch Lincolnshire County Council lincolnshire.planning-register.co.uk/</p>	Date Accessed	2 nd December 2022
On-Site Applications	<p>The most recent records for the Site, pertinent to this assessment comprise:</p> <ul style="list-style-type: none"> • H09-0771-16, approved November 2016: Proposed Centre of Excellence in Agri Food with associated roads, car parking and landscaping. The application was approved with contaminated land conditions applied as Condition 8, requiring submission of a desk-top study, intrusive investigation, an remediation method statement (RMS) and a final closure validation report to confirm any measures set out in the RMS were completed during the redevelopment; 		

	<ul style="list-style-type: none"> • H09-0230-18, approved April 2018: Proposed Centre of Excellence in Agri-Food with associated roads, car parking and landscaping - outline H09-0771-16; • H09-0934-19, approved October 2019: Reserved Matters to Local Development Order in relation to construction of additional road to facilitate future development of Phase 1; • H09-1147-19, approved January 2020: Details of surface water drainage, ground investigation report, site and floor levels, construction management plan and foul water strategy (Conditions 6, 8, 9, 10 and 12 of H09-0771-16). The application included submission of a 'Phase 2 Intrusive Investigation' undertaken at the Site by Curtins Consulting Limited. Details from the Phase 2 report pertinent to this Assessment are summarised in Section 2.7; • H09-0095-20, approved April 2020: Proposed Institute of Technology Agri-Food Building. The application included submission of a Preliminary Geo-Environmental Risk Assessment' undertaken at the Site by Delta-Simons Environmental Consultants Limited. Details from the PRA pertinent to this assessment are summarised in Section 2.7; • H09-1323-21, approved February 2022: Proposed offices & workshop with associated external works - Plot 9. Submission of details pursuant to Conditions 4, 5, 7, 9, 10 and 13 of the LDO; • H09-0253-22, approved June 2022: Details of surface water drainage, scheme to deal with contamination and foul water strategy - Condition 6, Condition 8 parts i, ii and iii & Condition 12 of the LDO. The application included submission of an amended Remediation Strategy and Verification Plan for the Site undertaken by EnviroSolution Ltd. The application also included submission of a Phase 1 Environmental Site Assessment Report undertaken at the Site by EnviroSolution Ltd. Details from the three reports pertinent to this assessment are summarised in Section 2.7; • H09-1119-22, awaiting decision December 2022: Erection of 12 commercial units with associated access road and parking spaces.
Off-Site Applications	No additional potentially contaminative activities or other information pertinent to this assessment was identified from the historical planning records.
Part 2A of the Environmental Protection Act (EPA) 1990	Given the known history and current use of the Site and surrounding area, it is considered that the Site would be considered a low priority for inspection under Part 2A.

2.7 Previous Reports

List of Reports	<p>This Report must be considered in the context of the previous Reports undertaken by Delta-Simons:</p> <ul style="list-style-type: none"> • Phase I Desk Study Report by Delta-Simons Environmental Consultants Ltd, at Land South of the A17, Holbeach, dated August 2016, Reference: 16-0574.01; • Preliminary Geo-environmental Risk Assessment by Delta-Simons Environmental Consultants Ltd, at the institute of Technology, Holbeach, dated December 2019, Reference: 19-1476.01; • Geo-Environmental Assessment, by Delta-Simons Environmental Consultants Ltd, at the institute of Technology, Holbeach, dated February 2020, Reference: 19-1476.01;
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	<ul style="list-style-type: none"> • Preliminary Geo-Environmental Risk Assessment by Delta-Simons Environmental Consultants Ltd, at Land off Peppermint Junction (A17/A151), Holbeach, dated October 2020, Reference: 20-1811.01; and • Clean Cover Verification Report by Delta-Simons Ltd, at Plot 12 Food Enterprise Zone, Holbeach, dated July 2022, Reference: 22-1389.01. <p>In addition, the following reports relating to the Site has been obtained via the public planning records.</p> <ul style="list-style-type: none"> • Phase 2 Ground Investigation by Curtins Consulting Ltd, at University of Lincoln - CEAT, dated October 2019, Reference: 072638-CUR-00-XX-RP-GE-00002; • Phase 1 Environmental Site Assessment Report by EnviroSolution Ltd, at Holbeach Food Enterprise Zone, dated January 2022, Reference: CL101_V1; and • Remediation Strategy & Verification Plan by EnviroSolution Ltd, at Holbeach Food Enterprise Zone, dated May 2022, Reference: CL102_V2. <p>A review of these third-party reports is provided for information purposes only. No reliance on these reports is assumed or inferred. Copies of these reports are available via the Planning Authority on-line records.</p>
<p>Delta-Simons Phase 1, August 2016</p>	<p><u><i>Phase I Desk Study Report by Delta-Simons, at Land South of the A17, Holbeach, dated August 2016</i></u></p> <p>Delta-Simons undertook a Phase I Desk Study Report at Land South of the A17 (The Site) in August of 2016 for South Holland District Council and Lincolnshire County Council. The Report was undertaken to support an outline planning application.</p> <p>A Site walkover was undertaken in support of the report on 22nd July 2016. It was noted that a building to the east of the Site housed the chemical treatment plant and wash down area associated with Distillery Farm. This area was reported to potentially contain an underground tank; however, its presence was not confirmed.</p> <p>Asbestos warning labels were present on several of the Distillery Farm buildings, and above-ground tanks and containers of fuel, pesticides and herbicides were present in the southern-central part of Distillery Farm. The tanks were noted to be banded. An underground sewage water treatment facility was noted to be in the north-east of the Site.</p> <p>The risk from potential sources of contamination at the Site was assessed to be very low to medium.</p> <p>Intrusive investigation including ground gas assessment, and an asbestos survey, was recommended, and construction mitigation measures recommended included clean topsoil cover for landscaped areas, implementation of appropriate protection measures for groundworkers, and implementation of a hotspot protocol during the redevelopment.</p>
<p>Curtins Consulting Phase 2, October 2019</p>	<p><u><i>Phase 2 Ground Investigation by Curtins Consulting Limited, at University of Lincoln - CEAT, dated October 2019</i></u></p> <p>Curtins Consulting Ltd undertook an intrusive investigation between June and August 2019.</p> <p>The investigation comprised the advancement of eight window sampler boreholes (WS01-WS08) to a maximum depth of 5.15 m bgl, two deep boreholes to a</p>

	<p>maximum depth of 19.5 m bgl (CP/RH01 and CP/RH02) and six in-situ California Bearing Ratio tests (CBR01-CBR06). Four shallow boreholes and two deep boreholes were installed as monitoring wells for groundwater and ground gas monitoring.</p> <p><i>The results of the chemical analysis have been re-assessed against Generic Assessment Criteria (GAC) for a residential without plant uptake. None of the samples have been identified above the applied GAC. Three WAC samples identified the soils to be non-hazardous.</i></p> <p>Return monitoring was undertaken on six occasions over a three-month period. Groundwater was identified between 0.96 m bgl and 1.52 m bgl.</p> <p>During gas monitoring, carbon dioxide was identified at a maximum concentration of 7.8 %v/v, with no detectable methane identified. Peak flows of 6.1 l/hr were recorded within WS02 and WS04; however, flows quickly fell to below the detection limit, as such, steady flow rates were used for the ground gas risk assessment. The worst-case Gas Screening Value (GSV) is recorded as 0.0078 l/hr which identified the Site to be a Characteristic Situation 1 (CS1).</p> <p>Pilled foundations were recommended to be taken down into the stiff clay identified at a depth of 15.50 m bgl, with specialist advice sought from a piling contractor.</p> <p>Superficial sand deposits were classified as Design Sulphate Class DS-1 and Aggressive Chemical Environment for Concrete AC-1. The underlying clay superficial deposits were classified as DS-2 and AC-2.</p> <p>In-Situ CBR testing identified values between 2.5% and 16.5%.</p>
<p>Delta-Simons PRA, December 2019</p>	<p><u><i>Preliminary Geo-environmental Risk Assessment by Delta-Simons, at the Institute of Technology, Holbeach, dated December 2019</i></u></p> <p>Delta-Simons undertook a Preliminary Geo-Environmental Risk Assessment at the Institute of Technology (parcel of land in the south-east of the Site) in December 2019 for G F Tomlinson Building Ltd. The report was undertaken to support future planning applications for the site and provide preliminary geotechnical information.</p> <p>A site walkover was undertaken in support of the report on 13th December 2019, no significant sources of contamination were identified at the site; however, a construction compound was noted approximately 100 m south of the site (located in the south of the Site) relating to the construction of the University of Lincoln Centre of Excellence in Agri-Food and associated access located of the A151.</p> <p>Significant sources of potential contamination at the Site were identified to be;</p> <ul style="list-style-type: none"> • Agricultural use of the site relating to small leaks / spills and burial of waste potentially resulting in asbestos, metals and hydrocarbon contamination. <p>Organic material within the Tidal Flat Deposits was also noted to have the potential to generate hazardous ground gas.</p> <p>The risk from these sources to receptors at the site and in the surrounding area was assessed to be low.</p> <p>The report undertook a preliminary ground engineering appraisal identifying the site to have a moderate potential for compressible ground stability hazards and running sand ground stability hazards. Furthermore, Tidal Flat Deposits which underly the Site were noted to locally contain peat which would be a potential source of ground gas. Based on the available information at the time and professional judgment, a piled foundation was suggested to anticipated.</p>

	<p>The following recommendations were made :</p> <ul style="list-style-type: none"> • An environmental investigation and ground gas assessment was recommended to be undertaken in conjunction with a geotechnical investigation to inform foundation design for the development; and • Development mitigation measures including a clean cover of topsoil in proposed soft landscaped areas, implementation of a 'Hot Spot' protocol, also known as a Discovery Strategy, and appropriate protection measures for groundworkers.
<p>Delta-Simons GEA, February 2020</p>	<p><u><i>Geo-Environmental Assessment, by Delta-Simons, at the institute of Technology, Holbeach, dated February 2020</i></u></p> <p>Delta-Simons undertook a Geo-Environmental Assessment at the Institute of Technology (parcel of land in the south-east of the Site) in February 2020 for G F Tomlinson Building Ltd. The Report was undertaken to support future planning applications for the site, to assess risk of potential contamination sources to end users and provide geotechnical information to inform commentary on the preliminary design of foundations and infrastructure.</p> <p>Delta-Simons undertook intrusive investigation at the site from 9th to 16th January with works comprising five dynamic sampler boreholes (DS101 - DS105) to a maximum depth of 5.00 m bgl, and one cable percussive borehole (BH101) drilled to a depth of 20 .00 m bgl.</p> <p>Gas monitoring was undertaken on four occasions, the preliminary data indicated that the site could be classified as CS1 - very low risk.</p> <p>Soil samples were taken for laboratory analysis for metals and metalloids, asbestos, PAH, TPH and BTEX. No exceedances of the applied GAC (protective of residential with plant uptake) were identified. No groundwater samples were collected during the assessment.</p> <p>The report concluded that there was no confirmed risk was found from potential soil or groundwater contamination to receptors, and that no further work was required with relation to the risks to human health or controlled waters from soil and groundwater contamination.</p> <p>In relation to geotechnical findings, shallow strip foundations were noted to be likely unsuitable with a piled solution with a suspended floor slab being more suitable for the development.</p> <p>The report reiterated the same development mitigation measures recommended by the PRA: clean topsoil cover, hotspot protocol, and protections for groundworkers.</p>
<p>Delta-Simons PRA, October 2020</p>	<p><u><i>Preliminary Geo-Environmental Risk Assessment by Delta-Simons, at Land off Peppermint Junction (A17/A151), Holbeach, dated October 2020</i></u></p> <p>Delta-Simons undertook a Preliminary Geo-Environmental Risk Assessment at land off Peppermint Junction (A17/A151) (the northern three quarters of the Site) in October 2020 for Holland District Council and Lincolnshire County Council. The Report was undertaken to consider for the potential of any land contamination related liabilities and geotechnical challenges in the context of a potential acquisition and commercial development of the site.</p> <p>A site walkover was undertaken on 16th October 2020, with the only notable changes since the 2016 walkover being small scale leaks and staining surrounding a plastic 2,500 litre tank located on concrete paving to the rear of the eastern building of Distillery Farm.</p>

	<p>The risk from identified potential sources of contamination to receptors at the site and in the surrounding areas was assessed to be very low to moderate.</p> <p>The report undertook a preliminary ground engineering appraisal identifying the site to be underlain by Tidal Flat Deposits which were noted to locally contain peat which based on the information at the time and professional judgment, a piled foundation was suggested to anticipated. Shallow groundwater and the potential for deep Made Ground were also identified as plausible geohazards at the Site.</p> <p>The report recommended site investigation predominantly for geotechnical purposes, with ground gas assessment and the production of a Remediation Strategy, in addition to development mitigations of clean topsoil cover, groundworker protections and the implementation of a hotspot protocol.</p>
<p>EnviroSolution Phase 1, January 2022</p>	<p><u><i>Phase 1 Environmental Site Assessment Report by EnviroSolution Ltd, at Holbeach Food Enterprise Zone, dated January 2022:</i></u></p> <p>EnviroSolution Ltd undertook a Phase 1 Environmental Site Assessment report at Holbeach Food Enterprise Zone (south-western corner of the Site) in January 2022. The report aimed to inform development plans for a commercial end use development.</p> <p>A site walkover undertaken on 21st January 2022 did not identify any significant potential sources of contamination.</p> <p>The only identified significant source of potential contamination at the site was identified to be ground gas generated naturally from the Tidal Flat Deposits. EnviroSolution classified the site as a moderate risk from ground gas and a low risk in relation to all other potential sources.</p> <p>The report recommended completion of a Remediation Strategy and Verification Plan for submission to planning, with development mitigation measures of ground gas protection measures consistent with CS2, implementation of a hotspot protocol, and groundworker protections.</p>
<p>EnviroSolution Remediation Strategy and Verificaiton Plan, May 2022</p>	<p><u><i>Remediation Strategy & Verification Plan by EnviroSolution Ltd, at Holbeach Food Enterprise Zone, dated May 2022:</i></u></p> <p>EnviroSolution Ltd undertook a Remediation Strategy and Verification Plan at Holbeach Food Enterprise Zone (south-western corner of the Site) in May 2022. The plan aimed to provide a remediation outline with respect to the identified risk to ground gas from Tidal Flat Deposits.</p> <p>The Remediation Strategy outlines the need for gas protection measures scoring suitable points in accordance with the scoring system in BS8485 for the appropriate building type (Type D). The proposed floor slab and gas resistant membrane at the site were noted to be more than adequate to meet the standard to protect receptors from ground gas. Validation of the gas protection measures was specified as requiring undertaking by a suitably qualified person.</p> <p>The Remediation Strategy also set out requirements for site-won and imported materials.</p> <p>Validation of site won material was not required. Validation of imported soils was required, with a frequency of soil testing of one sample per 50m³ for brownfield and 100m³ for greenfield required or a minimum of three samples.</p>
<p>Delta-Simons Topsoil Validation Report, July 2022</p>	<p><u><i>Clean Cover Verification Report by Delta-Simons at Plot 12 Food Enterprise Zone, Holbeach, dated July 2022</i></u></p> <p>Delta-Simons undertook a Clean Cover Verification Report at Plot 12 Food Enterprise Zone, Holbeach (south-centre of the Site) in July 2022 for R G Carter</p>

	<p>Limited. The report provided formal verification for the clean cover system to support discharge of planning conditions.</p> <p>Delta-Simons is aware of two third party previous reports located on the Site relating to this report;</p> <ul style="list-style-type: none">• Ground Investigation Report - Food Enterprise Zone, Plot 12, Holbeach, Lincolnshire, by Sub Surface North East Limited, dated December 2020 Ref. NE3989; and• Phase 3 Remediation Strategy, South Lincolnshire FEZ Hub Building, by Collinshallgreen dated July 2021, Ref. G610-CHG-EX-XX-RP-S-0003. <p>It is understood that the Remediation Strategy at Plot 12 required a minimum depth of 300 mm clean topsoil / sub-soil in accordance with YALPAG and ground gas protection measures installed appropriate for a Characteristic Situation 2 (CS2) classification.</p> <p>Delta-Simons undertook validation sampling of the placed topsoil on 28th June 2022 in eleven hand dug trial pits, to confirm the depth and facilitate the sampling of the topsoil. Samples were analysed for metals and metalloids, asbestos, TPH and PAHs.</p> <p>None of the results were identified above the relevant guidance values (residential with plant uptake GAC), and the topsoil was considered suitable for use. A minimum depth of 300 mm of topsoil was encountered in all locations.</p>
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3.0 Conceptual Site Model

3.1 Introduction

A Conceptual Site Model (CSM) represents the relationships between contaminant sources, pathways and receptors, to support the identification and assessment of contaminant linkages.

3.2 Overall Site Sensitivity

The Site is considered to be of a low environmental sensitivity given the lack of nearby sensitive land uses, the presence of unproductive strata in the superficial and bedrock deposits (Tidal Flat Deposits and West Walton Formation), the absence of a source protection zone or potable water abstractions, and in consideration of the field drains adjacent to the Site boundary.

3.3 Potential Contamination Sources

A source is a contaminant or pollutant that is in, on or under the land that has the potential to cause harm or pollution.

The following identified potential contamination sources are considered in the CSM:

- Storage and distribution of agricultural chemicals relating to Distillery Farm - potential for metals and metalloids, agricultural fertilisers, pesticides and herbicides;
- Small scale fuel spills/leaks associated with agricultural land use and fuel storage - potentially lead, PAH and TPH;
- Any fly-tipped materials entrained with the surface soils - potentially asbestos containing materials (ACMs), metals and metalloids, PAH and TPH;
- Asbestos within the existing building construction associated with Distillery Farm - potential for ACMs;
- Organic material within the Tidal Flat Deposits - potential to generate hazardous ground gas;
- Potential for deep Made Ground, relating to previous development at the Site and any potentially localised agricultural buried waste - potentially ACMs, metals and metalloids, PAH and TPH (however, no evidence for potential waste burial has been recorded; and
- Unrecorded on- and off-Site sources - potentially ACMs, metals, metalloids, PAH and TPH.

No significant potential sources of volatile vapours have been identified.

3.4 Potential Pathways

A pathway is a route by which a receptor is or could be affected by contaminant.

The potential pathways are considered to be as follows:

- Direct contact, ingestion or inhalation of soil bound contaminants / dust during or following redevelopment;
- Inhalation of organic vapours associated with contamination;
- Migration of ground gas / vapours into on-Site buildings causing asphyxiation or risk of explosion;
- Leaching of contamination into groundwater followed by migration of groundwater to the wider groundwater environment or discharge to surface waters.; and
- Direct contact between contaminated soils/groundwater and new infrastructure.

3.5 Potential Receptors

A receptor is something that could be adversely affected by a contaminant, for example a person, controlled waters, an organism, an ecosystem, or Part 2A receptors such as buildings crops or animals.

Relevant potential receptors are considered to include:

- Construction workers;
- Third parties during construction (adjacent Site users and adjacent residents);
- Future Site users and maintenance workers;
- The field drains adjacent to the Site boundary; and
- The Built Environment (new buildings and infrastructure / utilities).

The underlying Tidal Flat Deposits and West Walton Formation are not considered to be significant receptors due to their 'Unproductive Strata' designation, indicating low permeability and low water resource potential, although these are assessed in Section 3.6 below.

3.6 Contaminant Linkage Assessment

The following table summarises the assessment of the potential risk posed by each potential pollutant linkage.

Source(s)	Pathway(s)	Receptor(s)	Risk	Comments
Potentially contaminated soils and/or groundwater located beneath the Site.	Direct contact/ ingestion and inhalation of dust and vapours.	Site users.	Low to Medium Risk	While environmental investigation has previously been undertaken by Delta-Simons at the Site, the investigation was localised, and intrusive locations were not located in close proximity to the identified potential contaminant sources at the Site. Potential significant sources of contamination have been primarily identified in the area of Distillery Farm pertaining to ACMs, above ground hydrocarbon tanks and the storage / distribution of agricultural chemicals. Furthermore, there is risk for localised deep Made Ground and unrecorded sources. Should redevelopment of as-yet-un investigated plots be proposed, development specific site investigation is recommended to target any potential sources of contamination, to provide a general coverage of the plots, and to provide necessary information for any ground gas protections and foundation design.
		Maintenance workers during any future sub-surface works at the Site.	Low to Medium Risk	Site workers may become exposed to localised contaminated soils and shallow groundwater during intrusive groundworks. Safe working practices should be undertaken, and appropriate Personal Protective Equipment (PPE) should be used that will reduce the risk to low. A Discovery Strategy should also be introduced in the event localised contamination is found during groundworks on-Site.
	Leaching of contamination into groundwater.	Unproductive Strata in superficial and bedrock deposits.	Low Risk	Potential significant sources of contamination have been primarily identified in the area of Distillery Farm pertaining to ACMs, above ground hydrocarbon tanks and the storage / distribution of agricultural chemicals. However, the Site sensitivity is low, with low permeability superficial and bedrock deposits, although previous Site investigation has identified shallow groundwater to be present. Given the nature of the Site and the Site setting, the risk posed to controlled water receptors from leaching of contaminants on-Site to groundwater is considered to be low. However, it is recommended investigation be undertaken to advise on the soil quality beneath the Site and the risk for contamination to migrate.
	Lateral migration of contamination through groundwater.	Nearby New River Drain	Low Risk	The superficial and bedrock deposits are both classified as Unproductive Strata; however, previous investigation has identified the presence of shallow groundwater which presents a potential pathway for migration to the nearby surface watercourse, and the shallow geology has been identified to comprise silty sands. Therefore there is the potential, albeit low risk, for the migration of contamination from on-Site into surface water. Investigation works should include groundwater sampling and assessment.

Source(s)	Pathway(s)	Receptor(s)	Risk	Comments
	Direct contact	Potable water supply pipework.	Low Risk	Hydrocarbons, especially aromatics and chlorinated solvents are known to permeate plastic pipes, particularly when encountered at high concentrations. Assessment of the risk to water pipes for any new supply will have to be undertaken as a requirement of the statutory undertakers who should be provided with the results of any investigation and provide recommendations for upgrading of potable water supply pipes, if considered necessary.
Ground gas.	Vertical and lateral migration of ground gases.	Site users & the buildings on-Site.	Low Risk	No significant potential sources of hazardous ground gas have been identified. The organic materials within the Tidal Flat Deposits represent a potential, albeit low risk source. However, a previous report undertaken by EvniroSolutions Ltd (CL101_V1) characterised a parcel of land in the west of the Site as CS2. Conversely Delta-Simons previous investigation undertaken in February 2020 (19-1476.01) characterised a parcel of land in the south of the Site as CS1. A ground gas risk assessment should be undertaken at the time of any environmental assessment across the Site, to characterise the ground gas regime across the Site.
Potentially contaminated groundwater from off-Site sources.	Lateral migration and subsequent inhalation.	Future Site users and groundwater beneath the Site.	Very Low Risk	No potential sources of contamination have been identified in the surrounding area off-Site. The risks from any potential unidentified off-Site sources are considered to be very low.
ACMs within current buildings on Site	Ingestion and inhalation of dust / fibres. Release of fibres to air.	Demolition workers and future Site workers.	Low to Medium Risk	ACMs are present and labelled within several buildings on-Site. A demolition survey of the Site and any identified ACMs should be subsequently removed prior to the demolition of the existing buildings.

4.0 Conclusions & Recommendations

4.1 Land Contamination Risks and Liabilities

<p>Soils</p>	<p>Potential sources of contamination have been primarily identified in the area of Distillery Farm pertaining to ACMs, above ground hydrocarbon tanks and the storage / distribution of agricultural chemicals. Furthermore, there is a Site wide risk for deep Made Ground and unrecorded sources.</p> <p>Should redevelopment be proposed an environmental investigation is recommended to target potential sources of contamination, mainly present in the general area of Distillery Farm.</p> <p>Although significant risks have not been identified, as with all previously developed land, groundworkers may become exposed to localised contaminated soils and shallow groundwater during intrusive groundworks. Safe working practices should be undertaken, and appropriate Personal Protective Equipment (PPE) should be used that will reduce the risk to low.</p> <p>A Discovery Strategy should also be introduced in the event localised contamination is found during groundworks on-Site.</p>
<p>Groundwater</p>	<p>Significant or widespread groundwater contamination is not anticipated. The Site sensitivity is low, although groundwater has been previously identified and there is a nearby surface watercourse in proximity to the Site. The risk to controlled waters is considered to be low; however, groundwater sampling and assessment is recommended for any investigation works.</p>
<p>Ground Gas</p>	<p>Significant potential sources of ground gas have not been identified, though organic materials within the Tidal Flat Deposits represent a potential, low risk source.</p> <p>A ground gas risk assessment should be undertaken at the time of any environmental assessment for future development plot to characterise the ground gas regime for the specific development.</p>
<p>Potential Contaminated Land Development Risks</p>	<p>Significant or widespread contamination is considered unlikely, and the preliminary risk assessment has identified a low to moderate risk of soil contamination and hazardous ground gas at the Site. Asbestos may be present within the Made Ground.</p>

4.2 Geotechnical Considerations

<p>Preliminary Ground Model</p>	<p>Based on the available information, it is anticipated that the Site is likely underlain by a sequence of Topsoil and Made Ground (in locations redevelopment) underlain by silty sands of the Tidal Flat Deposits and clays with chalk fragments and sand/silt bands of the West Walton Formation.</p> <p>Groundwater is anticipated to be shallow, at <2.0 m bgl.</p>
<p>Plausible Geo-Hazards</p>	<p>The geohazards listed below have been identified to follow guidance presented in the HE document CD622 'Managing Geotechnical Risk' (2019) which aims to identify and manage the geotechnical risks associated with a scheme throughout its lifespan, from planning to construction to maintenance.</p> <p>The following geohazards are considered to be substantial ground related risks associated with the proposed development. A substantial risk is defined by Delta-Simons in Appendix C.</p>

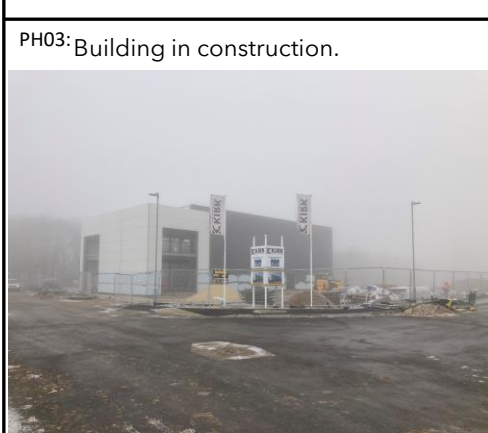
	<ul style="list-style-type: none"> • Localised deep Made Ground: The eastern area of the Site has undergone phases of development and deep Made Ground may be present. Made Ground is typically variable in nature with potentially low bearing capacity and unacceptable levels of differential settlement. Furthermore, Made Ground can have a high sulphur content and represent a risk to buried concrete; • Given the historical development relict structures may be present in the east; • The Tidal Flat Deposits are known to locally contain peat, this may have implications on foundation design; and • Shallow groundwater is anticipated across the Site which may cause difficulties with excavations in terms of stability or dewatering requirements.
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4.3 Recommendations and Other Development Considerations

Recommendations	<p>The following recommendations and development abnormalities are considered appropriate;</p> <ul style="list-style-type: none"> • Development specific site investigation is recommended to target potential sources of contamination prior to development of each plot, mainly present in the general area of Distillery Farm. It is recommended that investigation comprise soil, groundwater and ground gas assessment; • Site workers may become exposed to localised contaminated soils and shallow groundwater during intrusive groundworks. Safe working practices should be undertaken, and appropriate Personal Protective Equipment (PPE) should be used that will reduce the risk to low; • A Discovery Strategy should also be introduced in the event localised contamination is found during groundworks on-Site; • Confirmation on the water supply pipe requirements from the local water authority; and • An appropriate demolition asbestos survey and removal of any identified ACMs should be undertaken prior to the redevelopment of existing buildings.
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Figures

Figure 1 - Relevant Features Plan



COMMENTS: Map data: Google, Maxar Technologies

Appendices

Appendix A - Limitations

Limitations

This Report was prepared by Delta-Simons Ltd (Delta-Simons) for the sole and exclusive use of the Client and for the specific purpose for which Delta-Simons was instructed. Nothing contained in this Report shall be construed to give any rights or benefits to anyone other than the Client and Delta-Simons, and all duties and responsibilities undertaken are for the sole and exclusive benefit of the Client and not for the benefit of any other party. Delta-Simons does not intend, without its written consent through a formal letter of reliance or warranty, for this Report to be disseminated to any party other than the named Client or to be used or relied upon by any party other than the named Client. Use of the Report by any other party is unauthorised and such use is at the sole risk of the user. Any party using or relying upon this Report, other than the Client, agrees by virtue of its use to indemnify and hold harmless Delta-Simons from and against all claims, losses and damages (of whatsoever nature and howsoever or whensoever arising), arising out of or resulting from the performance of the work by Delta-Simons. Unless explicitly agreed otherwise, in writing, this Report has been prepared under Delta-Simons' Standard Terms and Conditions as included within our proposal to the Client.

The recommendations contained within this Report represent Delta-Simons professional opinions, based upon the information detailed within the Report, exercising the reasonable skill and care to be expected of a professional consultant holding itself out as having the competence, experience and resources necessary for the purpose of carrying out similar work in scope and character to the services performed. The Report needs to be considered in the light of the proposal and associated limitations of scope. The Report needs to be read and considered in full and isolated sections cannot be used without full reference to other elements of the report and any previous works referenced within the Report.

Where Delta-Simons has obtained, reviewed and evaluated information in preparing this Report from the Client and others and Delta-Simons conclusions, opinions and recommendations has been reasonably determined using this information, Delta-Simons does not warrant the accuracy of the third-party information provided to it and cannot be responsible for any opinions which Delta-Simons has expressed, or conclusions which it has reached in reliance upon information which is subsequently proven to be inaccurate.

Site surveys document the conditions encountered at the time of survey only and conditions may change due to natural processes or human intervention. As such, surveys represent an assessment at a specific point in time and Delta-Simons cannot be responsible for adverse conditions which arise or become apparent after the time of the survey or for conditions which sit outside the scope for which the survey or Report was commissioned.

Where intrusive investigations have been completed, information, comments and opinions given in this report are based on the ground conditions encountered during the site work period and on the results of laboratory and field tests performed during the investigation. Ground conditions are inherently variable such that no investigation can be exhaustive to the extent that all adverse conditions are revealed. Conditions may therefore be present beneath the site that were not apparent in the data reviewed or obtained as part of this assessment. It should be noted that groundwater levels vary due to seasonal and other effects and may at times differ to those measured during the investigation. Delta-Simons does not warrant or guarantee that the Site is free of hazardous or potentially hazardous materials or conditions. Where risk assessment is undertaken, this is based upon the standards, guidance and common practice at the time of the assessment and Delta-Simons cannot be responsible for conditions which become apparent following changes in guidance or practice or advancements in scientific knowledge which change the position in relation to assessment of risk.

No aspect of this Report constitutes a design. Where this information is used in design, the designer should verify the information has been used appropriately.

Where budgets are prepared and presented within the Report, these are for information only to indicate the likely magnitude of a cost and do not represent an invitation to treat for the works. All budgets and programmes presented should be reviewed and verified by appropriately qualified and experienced independent Project Managers and Cost Consultants.

Appendix B - Data Sources

In completing this Assessment, Delta-Simons has utilised the following data sources and third party information:

- Current and Historical Ordnance Survey (OS) maps;
- British Geological Survey (BGS) data;
- Environment Agency (EA) online data;
- Coal Authority (CA) online data;
- Previous Reports as listed in Section 2.7;
- A Landmark Envirocheck Report for the Site (Ref. 304605137_1_1), dated 1st December 2022;
- Historical Maps included as part of the Envirocheck Report; and
- Information provided by South Holland District Council and Lincolnshire County Council.

Appendix C - Risk Definitions

Contaminated Land Risk Definitions

The following methodology is based on the methodology presented in CIRIA C552 Contaminated Land Risk Assessment: A Guide to Good Practice 2001. It requires the classification of the:

Magnitude of the potential consequence (severity) of the Risk occurring: and

Magnitude of the Probability (likelihood) of the Risk occurring.

The classifications are then compared to indicate the risk presented by each pollutant linkage.

Consequence to Receptor Definition Matrix

	Human Health	Controlled Waters	Buildings/Services
Severe Consequence	Acute or chronic permanent impact on human health.	Sensitive controlled water pollution ongoing, or just about to occur.	Catastrophic collapse
Medium Consequence	Chronic permanent impact on human health	Gradual pollution of sensitive controlled water	Degradation of materials
Mild Consequence	Chronic temporary impact on human health	Gradual pollution of non- sensitive controlled water	Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
Minor Consequence	Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc).	Slight discoloration of water	Easily repairable effects of damage to buildings, structures and services, i.e. discoloration of concrete

Probability Definitions

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

Standard Risk Matrix

		Consequence/Magnitude of impact			
		Severe	Medium	Mild	Minor
Probability	High	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

Classified Risks and Likely Action

Significance Level	Definition/Comments
Very High Risk	<p>There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening.</p> <p>This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.</p> <p>Demonstrable contaminated land situation, highest threat & liability level, urgent action recommended.</p>
High Risk	<p>Harm is likely to arise to a designated receptor from an identified hazard.</p> <p>Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the longer term.</p> <p>Likely contaminated land situation, risk assessment and action recommended.</p>
Moderate	<p>It is possible that harm could arise to a designated receptor from an identified hazard. However, if is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild.</p> <p>Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.</p> <p>Plausible contaminated land situation, risk assessment and possible action recommended.</p>
Low Risk	<p>It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.</p> <p>Unlikely contaminated land situation, possible risk assessment and possible action.</p>
Very Low Risk	<p>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.</p> <p>Negligible risk, no action recommended except vigilance for changes in conditions.</p>

Geotechnical Risk Classification

The geohazards listed in the report within Section 4 follow guidance presented in Clayton, C.R.I. (2001) *Managing Geotechnical Risk*, Thomas Telford and the National Highways document CD622 '*Managing Geotechnical Risk*' (2020) which aims to identify and manage the geotechnical risks associated with a scheme throughout its lifespan, from planning to construction to maintenance.

For each geohazard the probability of the hazard occurring (P) has been considered together with the impact it would have (I) if it were to happen to calculate the risk rating between 1 and 25.

Risks that fall within Moderate, Significant and Severe categories below are considered to be **substantial** and are therefore listed within the report.

Probability	(P)	X	Impact	(I)	=	(R)	Risk
Very Likely (VLk)	5		Very High (VH)	5		20 - 25	Severe
Likely (Lk)	4		High (H)	4		15 - 19	Substantial
Plausible (P)	3		Medium (M)	3		10 - 14	Moderate
Unlikely (U)	2		Low (L)	2		5 - 9	Minor
Very Unlikely (VU)	1		Very Low (VL)	1		1 - 4	Negligible

Appendix D - Landmark Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

304605137_1_1

Customer Reference:

89647.550348

National Grid Reference:

534920, 325800

Slice:

A

Site Area (Ha):

2.12

Search Buffer (m):

1000

Site Details:

Holbeach Food Enterprise Zone,

Holbeach

SPALDING

PE12 7BF

Client Details:

Mr S Clennell-Jones

Delta Simons

20 Little Britain

London

London

EC1A 7D



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Hazardous Substances	24
Geological	25
Industrial Land Use	27
Sensitive Land Use	30
Data Currency	31
Data Suppliers	36
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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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility					n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1	2	5	6	18
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 8	Yes			
Pollution Incidents to Controlled Waters	pg 8				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 9				(*2)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 9	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 9	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 9	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 10	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 10	Yes	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 11	3	31	30	40

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 23				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 23	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 23				11
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 24	1			
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 25	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 25	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 25	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 26	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 26	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 26	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 27	3		1	11
Fuel Station Entries					
Points of Interest - Commercial Services	pg 28				2
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 28			1	4
Points of Interest - Public Infrastructure	pg 28				3
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 30	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Frontier Agriculture Ltd Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Distillery Farm Off A151, Holbeach, Lincolnshire, Pe12 7py Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Prnnf18051 Permit Version: 1 Effective Date: 4th January 2004 Issued Date: 29th March 2004 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Whaplode 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</p>	A13SW (SW)	0	2	534900 325750
1	<p>Discharge Consents</p> <p>Operator: Frontier Agriculture Ltd Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Distillery Farm Off A151, Holbeach, Lincolnshire, Pe12 7py Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Prnnf12520 Permit Version: 1 Effective Date: 1st December 2000 Issued Date: 20th August 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Whaplode 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</p>	A13SW (SW)	0	2	534900 325750
2	<p>Discharge Consents</p> <p>Operator: South Holland District Council Property Type: Domestic Property (Single) Location: Plot 4 Of Traveler Site Rose View Drive, Holbeach, Spalding, Lincolnshire, Pe12 7ld Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Npswqd010000 Permit Version: 1 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary To Holbeach River 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</p>	A13SW (SW)	244	2	534782 325473
2	<p>Discharge Consents</p> <p>Operator: South Holland District Council Property Type: Domestic Property (Single) Location: Plot 5 Of Traveler Site Rose View Drive, Holbeach, Spalding, Lincolnshire, Pe12 7ld Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Npswqd010001 Permit Version: 1 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary To Holbeach River 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</p>	A13SW (SW)	244	2	534782 325473



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: South Holland District Council Property Type: Domestic Property (Single) Location: Plot 1 Traveler Site Rose View Drive, Holbeach, Spalding, Lincolnshire, Pe12 7ld</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Npswqd009997 Permit Version: 1 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Holbeach River 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</p>	A13SW (SW)	244	2	534782 325473
2	<p>Discharge Consents</p> <p>Operator: South Holland District Council Property Type: Domestic Property (Single) Location: Plot 2 Of Travelers Site Rose View Drive, Holbeach, Spalding, Lincolnshire, Pe12 7ld</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Npswqd009998 Permit Version: 1 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Holbeach River 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</p>	A13SW (SW)	244	2	534782 325473
2	<p>Discharge Consents</p> <p>Operator: South Holland District Council Property Type: Domestic Property (Single) Location: Plot 3 Of Traverlrs Site Rose View Drive, Holbeach, Spalding, Lincolnshire, Pe12 7ld</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Npswqd009999 Permit Version: 1 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary To Holbeach River 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</p>	A13SW (SW)	244	2	534782 325473
3	<p>Discharge Consents</p> <p>Operator: South Holland District Council Property Type: Domestic Property (Single) Location: Plot 6 Of Travelers Site Rose View Drive, Holbeach, Spalding, Lincolnshire, Pe12 7ld</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Npswqd010002 Permit Version: 1 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Holbeach River 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</p>	A8NW (SW)	275	2	534769 325445



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: South Holland District Council Property Type: Domestic Property (Single) Location: Plot 6 Proposed Gypsy And Traveller Site Off A151, Holbeach, Spalding, Lincolnshire, Pe12 7py</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Npswqd010003 Permit Version: 1 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary To Holbeach River 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</p>	A8NW (SW)	275	2	534769 325445
3	<p>Discharge Consents</p> <p>Operator: South Holland District Council Property Type: Domestic Property (Single) Location: Plot 8 Of Traveler Site Rose View Drive, Holbeach, Spalding, Lincolnshire, Pe12 7ld</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Npswqd010004 Permit Version: 1 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary To Holbeach River 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</p>	A8NW (SW)	275	2	534769 325445
3	<p>Discharge Consents</p> <p>Operator: South Holland District Council Property Type: Domestic Property (Single) Location: Plot 9 Traveler Site Rose View Drive, Holbeach, Spalding, Lincolnshire, Pe12 7ld</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Npswqd010005 Permit Version: 1 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Holbeach River 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</p>	A8NW (SW)	275	2	534769 325445
3	<p>Discharge Consents</p> <p>Operator: South Holland District Council Property Type: Domestic Property (Single) Location: Plot10 Travelers Site Rose View Drive, Holbeach, Spalding, Lincolnshire, Pe12 7ld</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Npswqd010006 Permit Version: 1 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Holbeach River 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</p>	A8NW (SW)	275	2	534769 325445



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: Heritage Kitchens Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: The A17 By-Pass Welbourn Lane (East), Holbeach, Spalding, Lincs Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prnlf02987 Permit Version: 1 Effective Date: 20th July 1990 Issued Date: 20th July 1990 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	430	2	535420 325670
5	<p>Discharge Consents</p> <p>Operator: Mr A A Brooks Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Lambleys Mill Cottage Garden Northons Lane, Holbeach, Lincs, Pe12 7pz Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prnlf03154 Permit Version: 1 Effective Date: 2nd August 1990 Issued Date: 2nd August 1990 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	529	2	535200 325250
5	<p>Discharge Consents</p> <p>Operator: Mr S Eaton Property Type: Domestic Property (Single) Location: Eaton House Northons Lane, Holbeach, Spalding, Lincolnshire, Pe12 7pz Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Prmnf12884 Permit Version: 1 Effective Date: 7th October 2002 Issued Date: 30th October 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Whaplode River 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</p>	A8NE (SE)	562	2	535230 325230
5	<p>Discharge Consents</p> <p>Operator: Miss Sylvia French Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Lambleys Mill Cottage Northons Lane, Holbeach, Spalding, Lincs, Pe12 7pz Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prnlf03155 Permit Version: 1 Effective Date: 2nd August 1990 Issued Date: 2nd August 1990 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A8NE (SE)	573	2	535200 325200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 7 Effective Date: 31st March 2019 Issued Date: 25th February 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	754	2	535750 326030
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 7 Effective Date: 31st March 2019 Issued Date: 25th February 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	754	2	535750 326030
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 5 Effective Date: 16th March 2010 Issued Date: 16th March 2010 Revocation Date: 21st December 2012 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	754	2	535750 326030
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 6 Effective Date: 22nd December 2012 Issued Date: 16th March 2010 Revocation Date: 30th March 2019 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	754	2	535750 326030



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 6 Effective Date: 22nd December 2012 Issued Date: 16th March 2010 Revocation Date: 30th March 2019 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	754	2	535750 326030
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 5 Effective Date: 16th March 2010 Issued Date: 16th March 2010 Revocation Date: 21st December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	754	2	535750 326030
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 4 Effective Date: 1st January 2010 Issued Date: 24th September 2009 Revocation Date: 15th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	754	2	535750 326030
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 4 Effective Date: 1st January 2010 Issued Date: 24th September 2009 Revocation Date: 15th March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	754	2	535750 326030



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 3 Effective Date: 15th December 2006 Issued Date: 15th December 2006 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	754	2	535750 326030
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 3 Effective Date: 15th December 2006 Issued Date: 15th December 2006 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	754	2	535750 326030
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 2 Effective Date: 23rd December 2005 Issued Date: 23rd December 2005 Revocation Date: 14th December 2006 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	778	2	535780 326010
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 2 Effective Date: 23rd December 2005 Issued Date: 23rd December 2005 Revocation Date: 14th December 2006 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	778	2	535780 326010



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 1 Effective Date: 15th July 1985 Issued Date: 15th July 1985 Revocation Date: 22nd December 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	778	2	535780 326010
6	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Holbeach Water Recycling Centre Tolls Lane, Holbeach, Spalding, Lincolnshire, Pe12 7px Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Aw5nf378a Permit Version: 1 Effective Date: 15th July 1985 Issued Date: 15th July 1985 Revocation Date: 22nd December 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holbeach River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	778	2	535780 326010
7	<p>Discharge Consents</p> <p>Operator: Mr & Mrs Crane Property Type: Domestic Property (Single) Location: Ropers Gate Luton, Spalding, Lincs, Pe12 9nu Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prnlf01062 Permit Version: 1 Effective Date: 29th June 1989 Issued Date: 29th June 1989 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	816	2	534100 325400
	Nearest Surface Water Feature	A13NE (NE)	0	-	534997 325848
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Rising Main Location: Spalding District, HOLBEACH Authority: Environment Agency, Anglian Region Pollutant: Crude Sewage Note: Potential Sewage Works Incident Date: 19th May 1999 Incident Reference: 2839 Catchment Area: Not Given Receiving Water: Potential River Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A15NW (E)	992	2	536000 326000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: D R Bridger Esq Licence Number: 5/31/14/*g/068a Permit Version: Not Supplied Location: Well Crown Farm, Holbeach Clough, HOLBEACH Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 2 Yearly Rate (m3): 6820 Details: Fluvial Sand and Gravel; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NE (N)	1422	2	534960 327290
	Water Abstractions Operator: F Pennington & Son(Holbeach) Licence Number: 5/32/11/*s/057 Permit Version: Not Supplied Location: Ogdens Dyke, HOLBEACH Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 13 Yearly Rate (m3): 400000 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SE (E)	1515	2	536500 325500
	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: >90% Patchiness: >10m Superficial Thickness: Low Superficial Recharge:	A13NW (S)	0	3	534923 325795
	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: >90% Patchiness: >10m Superficial Thickness: Low Superficial Recharge:	A13NE (E)	0	3	535000 325795
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (S)	0	3	534923 325795
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13NE (E)	0	3	535000 325795
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (S)	0	3	534923 325795



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13NE (E)	0	3	535000 325795
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (S)	0	2	534923 325795
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NE)	0	2	534935 325805
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	0	2	534960 325760
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	11	2	534970 325740
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	64	2	535087 325820
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	78	2	535050 325735
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	83	2	535060 325740
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	87	2	535050 325720
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	98	2	535120 325820
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	98	2	535055 325709
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	164	2	535140 325710
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (S)	0	2	534923 325795
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NE)	0	2	534935 325805
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	0	2	534960 325760
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	11	2	534970 325740
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	64	2	535087 325820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	78	2	535050 325735
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	164	2	535140 325710
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	198	2	534760 326040
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NE (NE)	0	4	534982 325859
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NE (NE)	0	4	534996 325846
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NE (NE)	0	4	534996 325846
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 378.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (N)	1	4	534922 325869
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 268.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NE (NE)	2	4	534971 325870
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (S)	21	4	534904 325683

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 183.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (SE)	23	4	534984 325732
16	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: Welland Primacy: 2	A13NE (NE)	26	4	534987 325903
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NE (NE)	27	4	535027 325880
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (SE)	32	4	535003 325749
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (E)	38	4	535025 325768
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.4 Watercourse Level: Underground Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 2	A13NE (E)	61	4	535084 325803
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 380.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 1	A13NE (E)	62	4	535082 325848
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 145.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 1	A13NE (E)	62	4	535082 325848
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 555.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 2	A13SE (SE)	72	4	535046 325740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NE (E)	76	4	535085 325790
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 2	A13NE (E)	76	4	535085 325790
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (S)	78	4	534862 325623
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (S)	78	4	534862 325623
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (S)	92	4	534889 325607
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: Underground Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 2	A13SE (E)	93	4	535086 325757
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (E)	115	4	535103 325744
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (NW)	168	4	534812 326029
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 481.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (NW)	171	4	534788 326023

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (E)	184	4	535187 325753
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 251.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (S)	185	4	534848 325517
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 261.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (NW)	185	4	534745 326015
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 198.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13NW (NW)	185	4	534745 326015
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (E)	202	4	535214 325772
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (E)	210	4	535206 325732
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 528.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (S)	216	4	534932 325489
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (SW)	224	4	534793 325491
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 275.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SE (E)	245	4	535242 325726

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (SW)	250	4	534781 325467
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A13SW (SW)	270	4	534773 325449
44	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: Welland Primacy: 2	A12NE (W)	290	4	534565 325795
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 816.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12NE (W)	300	4	534560 325908
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (SW)	304	4	534760 325416
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (SW)	312	4	534758 325409
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 383.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Old River Catchment Name: Welland Primacy: 2	A13NE (NE)	317	4	535260 326055
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 337.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (SW)	319	4	534754 325403
50	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: Welland Primacy: 2	A8NW (SW)	319	4	534754 325403

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12NE (NW)	323	4	534551 325972
52	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: Welland Primacy: 2	A8NW (SW)	325	4	534753 325397
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 885.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holbeach River Catchment Name: Welland Primacy: 1	A18SE (NE)	326	4	535202 326122
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (SW)	334	4	534750 325389
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 333.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (NE)	361	4	535227 326148
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (N)	374	4	534866 326245
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (N)	383	4	534889 326254
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SW (N)	395	4	534935 326263
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 169.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (N)	396	4	534941 326264

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14SW (E)	404	4	535393 325673
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 436.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A18SE (NE)	421	4	535190 326240
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (S)	423	4	534746 325297
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (S)	439	4	534745 325280
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 543.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	447	4	534537 326180
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 268.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	450	4	534511 326155
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 181.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 1	A8NE (SE)	457	4	535197 325335
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (S)	461	4	534716 325266
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 561.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17SE (NW)	468	4	534498 326167

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (S)	471	4	534714 325256
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NE (S)	493	4	535075 325234
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 324.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: New River Catchment Name: Welland Primacy: 2	A8NE (S)	493	4	535075 325234
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 335.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NE (S)	494	4	535076 325233
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (S)	539	4	534700 325190
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 412.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (S)	543	4	534693 325188
75	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: Welland Primacy: 2	A8NW (S)	543	4	534699 325186
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (S)	543	4	534699 325186
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 262.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	546	4	535332 326300



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	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: Welland Primacy: 2	A8NW (S)	548	4	534723 325174
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (S)	556	4	534696 325173
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 589.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Old River Catchment Name: Welland Primacy: 2	A14NW (E)	559	4	535541 326046
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A14NW (E)	559	4	535541 326046
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 289.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8NW (S)	567	4	534717 325155
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 154.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	619	4	535561 326146
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SW (S)	687	4	534673 325043
85	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: Welland Primacy: 2	A8SW (S)	687	4	534673 325043
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 443.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19SW (NE)	726	4	535593 326294

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7SE (SW)	727	4	534568 325038
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 244.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7SE (SW)	727	4	534568 325038
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 127.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A8SW (S)	729	4	534665 325001
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7SE (SW)	777	4	534413 325067
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 185.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7SE (SW)	784	4	534417 325056
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 518.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: New River Catchment Name: Not Supplied Primacy: 2	A8SE (S)	805	4	535094 324917
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SW (W)	816	4	534064 325501
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 389.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SW (W)	824	4	534025 325676
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NW (SW)	831	4	534133 325298

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 289.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A7NW (SW)	831	4	534133 325298
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 188.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19NW (NE)	848	4	535411 326606
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19NW (NE)	875	4	535436 326624
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12SW (W)	875	4	534004 325510
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 295.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12NW (W)	886	4	533971 325880
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1270.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whaplode River Catchment Name: Welland Primacy: 1	A17SW (NW)	894	4	534051 326253
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A12NW (W)	905	4	533953 325872
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	922	4	534678 324800
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 528.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17NE (NW)	922	4	534517 326724

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 240.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A8SW (S)	944	4	534626 324790
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 122.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A19NW (N)	955	4	535280 326778
107	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: Welland Primacy: 2	A23SW (N)	957	4	534710 326813
108	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	A7SE (S)	964	4	534592 324778
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A2NE (S)	973	4	534588 324770
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 271.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A17NW (NW)	986	4	534143 326547
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Nene Primacy: 2	A2NE (S)	994	4	534580 324750
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Welland Primacy: 2	A11SE (W)	1000	4	533889 325455



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	Historical Landfill Sites Licence Holder: Not Supplied Location: Whaplode, Lincolnshire Name: Main Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD00254 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: SH-49-01/89, RD7-49-01/89, 2500/5063	A7SE (SW)	918	2	534355 324936
	Local Authority Landfill Coverage Name: South Holland District Council - Has no landfill data to supply		0	6	534923 325795
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	5	534923 325795
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18SE (N)	501	-	534980 326370
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A9NW (SE)	504	-	535298 325360
116	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SW (SE)	538	-	535457 325511
117	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A7NE (SW)	624	-	534420 325259
118	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A9NW (SE)	630	-	535483 325392
119	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A9NW (SE)	640	-	535503 325402
120	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A8SW (S)	736	-	534863 324963
121	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	A18NW (N)	765	-	534930 326633
122	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A9NW (SE)	812	-	535510 325137
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A8SW (S)	828	-	534840 324872
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1959	A9SW (SE)	989	-	535405 324838



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	Control of Major Accident Hazards Sites (COMAH) Name: Frontier Agriculture Limited Location: Welbourne Lane, Holbeach Distillery Farm, Welbourne Lane West, Holbeach, Lincolnshire, Pe12 7py Reference: Not Supplied Type: Lower Tier Status: Active Positional Accuracy: Manually positioned to the address or location	A13NW (W)	0	7	534905 325791



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: West Walton Formation, Ampthill Clay Formation And Kimmeridge Clay Formation (Undifferentiated)	A13NW (S)	0	1	534923 325795
	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 (S)	0	1	534923 325795
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	131	1	534923 326000
	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	A8SW (S)	699	1	534923 325000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NW (W)	857	1	534000 325795
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	534923 325795
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	535000 325795
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	534923 325795
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	535000 325795



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	534923 325795
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	535000 325795
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	534923 325795
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	535000 325795
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	534923 325795
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	535000 325795
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	534923 325795
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	535000 325795
	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 (S)	0	1	534923 325795
	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	A13NE (E)	0	1	535000 325795
	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 (S)	0	1	534923 325795
	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	A13NE (E)	0	1	535000 325795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	Contemporary Trade Directory Entries Name: Frontier Agriculture Ltd Location: Welbourne Lane South, Holbeach, Spalding, PE12 7BF Classification: Agricultural Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	0	-	534904 325790
126	Contemporary Trade Directory Entries Name: Sam Ltd Location: Welbourne Lane West, Holbeach, Spalding, Lincolnshire, PE12 7PY Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	0	-	534905 325791
127	Contemporary Trade Directory Entries Name: Frontier Location: DISTILLERY FARM, WELBOURNE LANE SOUTH, HOLBEACH, SPALDING, PE12 7BF Classification: Chemicals - Distributors & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	0	-	534957 325778
128	Contemporary Trade Directory Entries Name: Vitro Botanics Location: The Old Cottage, Northons Lane, Spalding, PE12 7PZ Classification: Horticultural Equipment Maintenance & Repair Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	425	-	535165 325351
129	Contemporary Trade Directory Entries Name: Homeclean Location: Lambleys Mill Cottage, Northons Lane, Holbeach, SPALDING, Lincolnshire, PE12 7PZ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	558	-	535253 325250
130	Contemporary Trade Directory Entries Name: Brown Butlin Location: Northons Lane, Holbeach, Spalding, Lincolnshire, PE12 7QA Classification: Agricultural Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	657	-	535399 325245
131	Contemporary Trade Directory Entries Name: P D Todd Location: 204, Boston Road North, Holbeach, Spalding, Lincolnshire, PE12 8AG Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	657	-	535027 326524
132	Contemporary Trade Directory Entries Name: M Searby Location: 68, Chestnut Avenue, Holbeach, Spalding, Lincolnshire, PE12 7NF Classification: Agricultural Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	758	-	535466 325170
133	Contemporary Trade Directory Entries Name: Lincs Water Services Ltd Location: 29, Northons Lane, Holbeach, Spalding, Lincolnshire, PE12 7PZ Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	772	-	535398 325091
134	Contemporary Trade Directory Entries Name: Alpha Materials Handling Location: Stockwell Gate, Holbeach, Spalding, Lincolnshire, PE12 8AU Classification: Fork Lift Trucks Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	797	-	534064 325936
135	Contemporary Trade Directory Entries Name: Diana Food Location: Park Road, Holbeach, Spalding, PE12 7PT Classification: Food Colouring, Flavouring & Additive Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	892	-	535844 325487



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	Contemporary Trade Directory Entries Name: Map Technologies Location: Park Road, Holbeach, Spalding, Lincolnshire, PE12 7PT Classification: Food Colouring, Flavouring & Additive Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	892	-	535840 325478
136	Contemporary Trade Directory Entries Name: Chandlers Farm Equipment Location: Boston Road South, Holbeach, Spalding, Lincolnshire, PE12 7NJ Classification: Agricultural Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	957	-	535695 325131
136	Contemporary Trade Directory Entries Name: Branch Bros Ltd Location: Branch Bros Ltd, Boston Road South, Spalding, PE12 7LR Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	957	-	535695 325130
137	Contemporary Trade Directory Entries Name: Merifoods Ltd Location: Washway Rd, Holbeach, Spalding, Lincolnshire, PE12 8AH Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A22SE (N)	988	-	534581 326816
138	Points of Interest - Commercial Services Name: The Thermal Ribbon Label Co Ltd Location: 216 Boston Road North, Holbeach, Spalding, PE12 8AG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	737	8	534984 326606
138	Points of Interest - Commercial Services Name: Thermal Ribbon Label Co Location: 216 Boston Road North, Holbeach, Spalding, PE12 8AG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	737	8	534984 326606
139	Points of Interest - Manufacturing and Production Name: R S Biggadike Location: 145 Boston Road North, Holbeach, Spalding, PE12 8AG Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A18SE (NE)	349	8	535105 326198
140	Points of Interest - Manufacturing and Production Name: Tanks Location: PE12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	652	8	535360 325215
141	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	A14NE (E)	705	8	535706 326007
142	Points of Interest - Manufacturing and Production Name: Technology Park Location: PE12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	894	8	535816 325423
143	Points of Interest - Manufacturing and Production Name: Holbeach Technology Park Location: PE12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	921	8	535888 325519
144	Points of Interest - Public Infrastructure Name: Sewage Works Location: PE12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	714	8	535735 325870



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	Points of Interest - Public Infrastructure Name: Sewage Works Location: PE12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14NE (E)	731	8	535746 325938
144	Points of Interest - Public Infrastructure Name: Sewage Works Location: PE12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14NE (E)	732	8	535747 325937



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	Nitrate Vulnerable Zones Name: Whaplode River Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (S)	0	3	534923 325795

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




Agency & Hydrological	Version	Update Cycle
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	October 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
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	November 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council South Holland District Council - Environmental Services	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council South Holland District Council - Environmental Services	October 2018 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 - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department South Holland District Council	August 2010 January 2016	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department South Holland District Council	August 2007 January 2016	Variable 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	November 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually

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

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

A selection of organisations who provide data within this report

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



Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Lincolnshire County Council 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
6	South Holland District Council - Environmental Services Council Offices, Priory Road, Spalding, Lincolnshire, PE11 2XE	Website: www.sholland.gov.uk
7	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	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.

Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr S Clennell-Jones, Delta Simons, 20 Little Britain, London, London, EC1A 7D

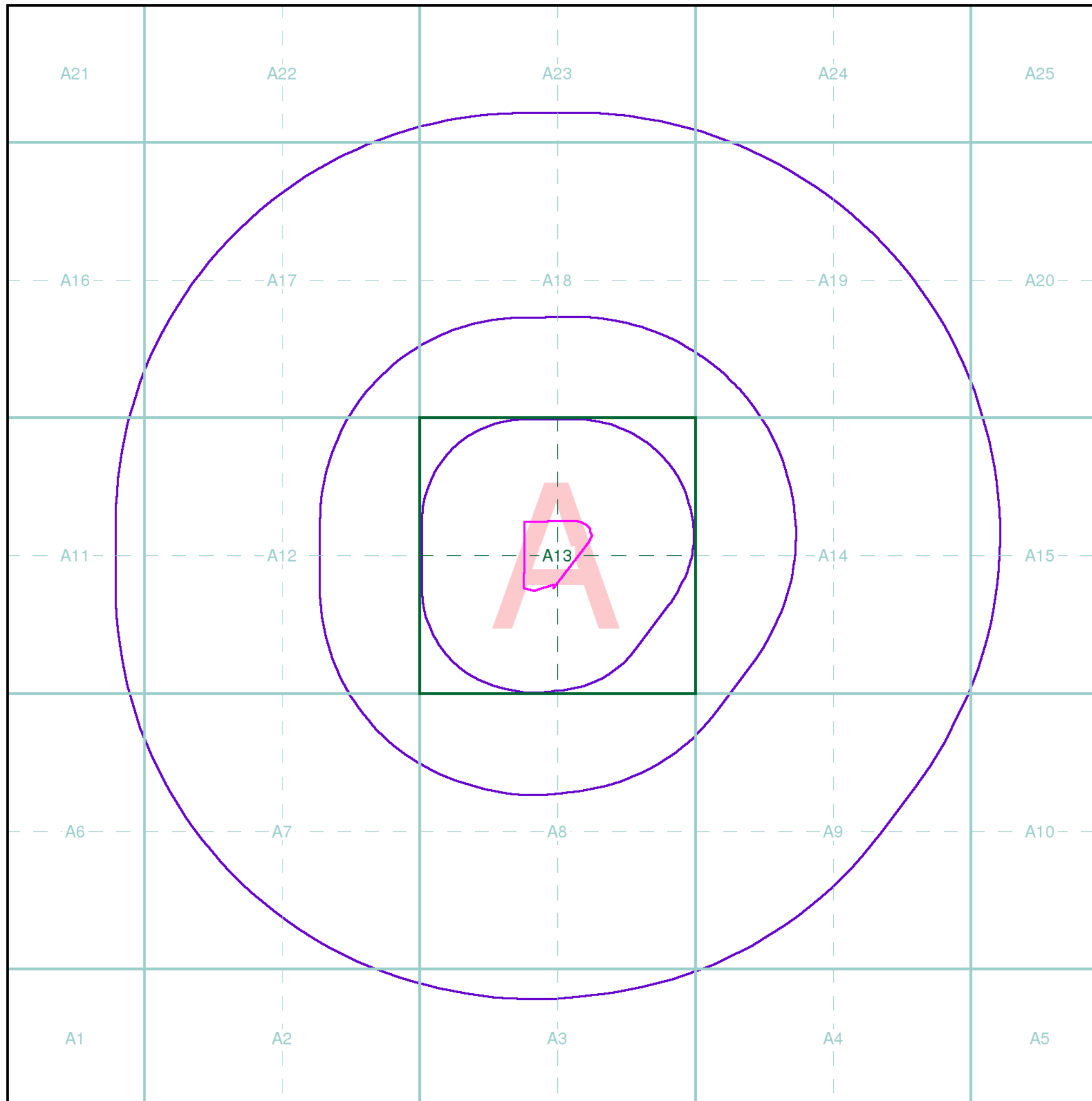
Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

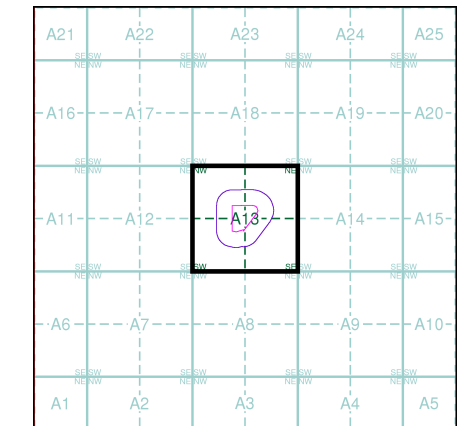
Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13

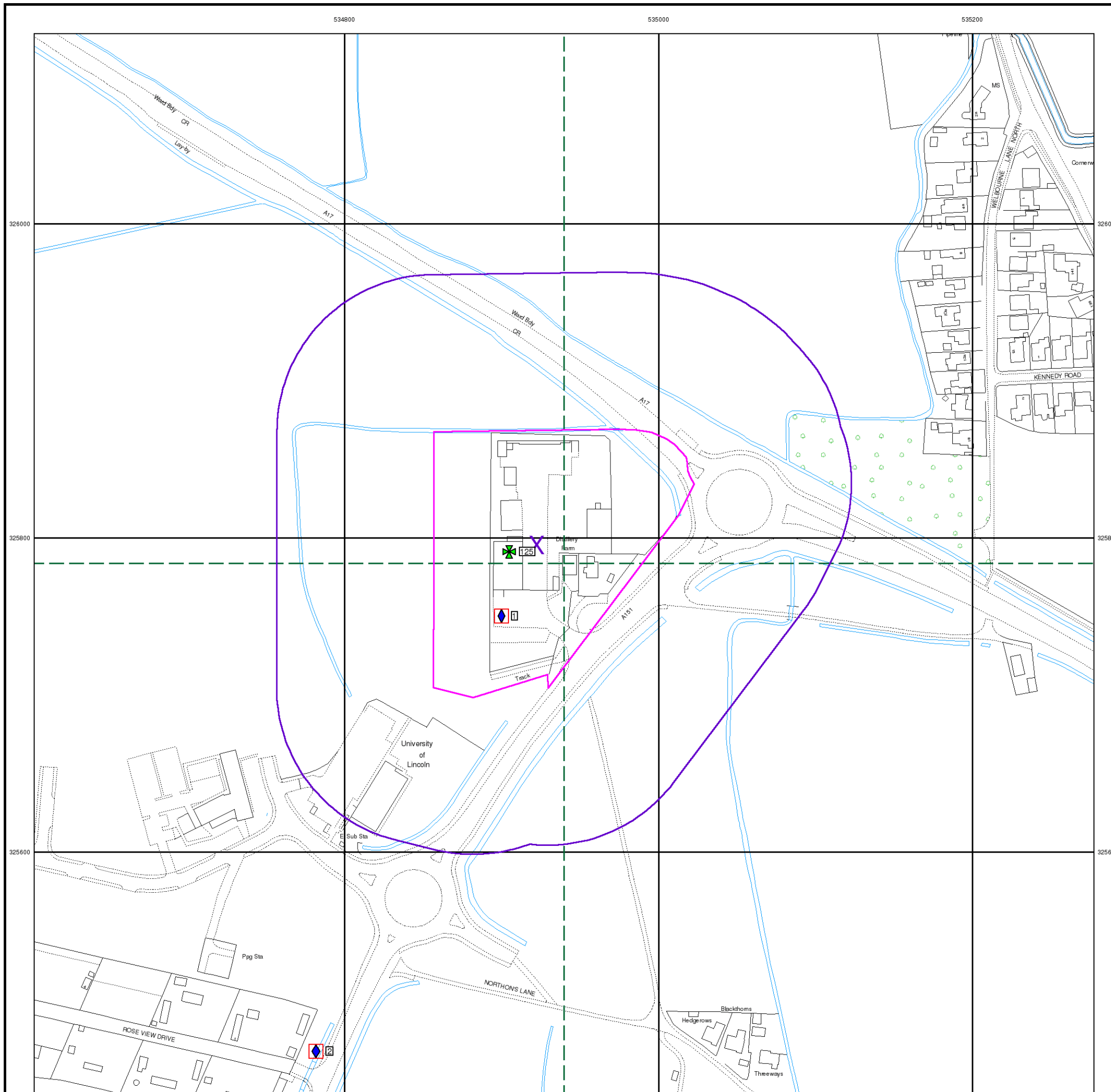


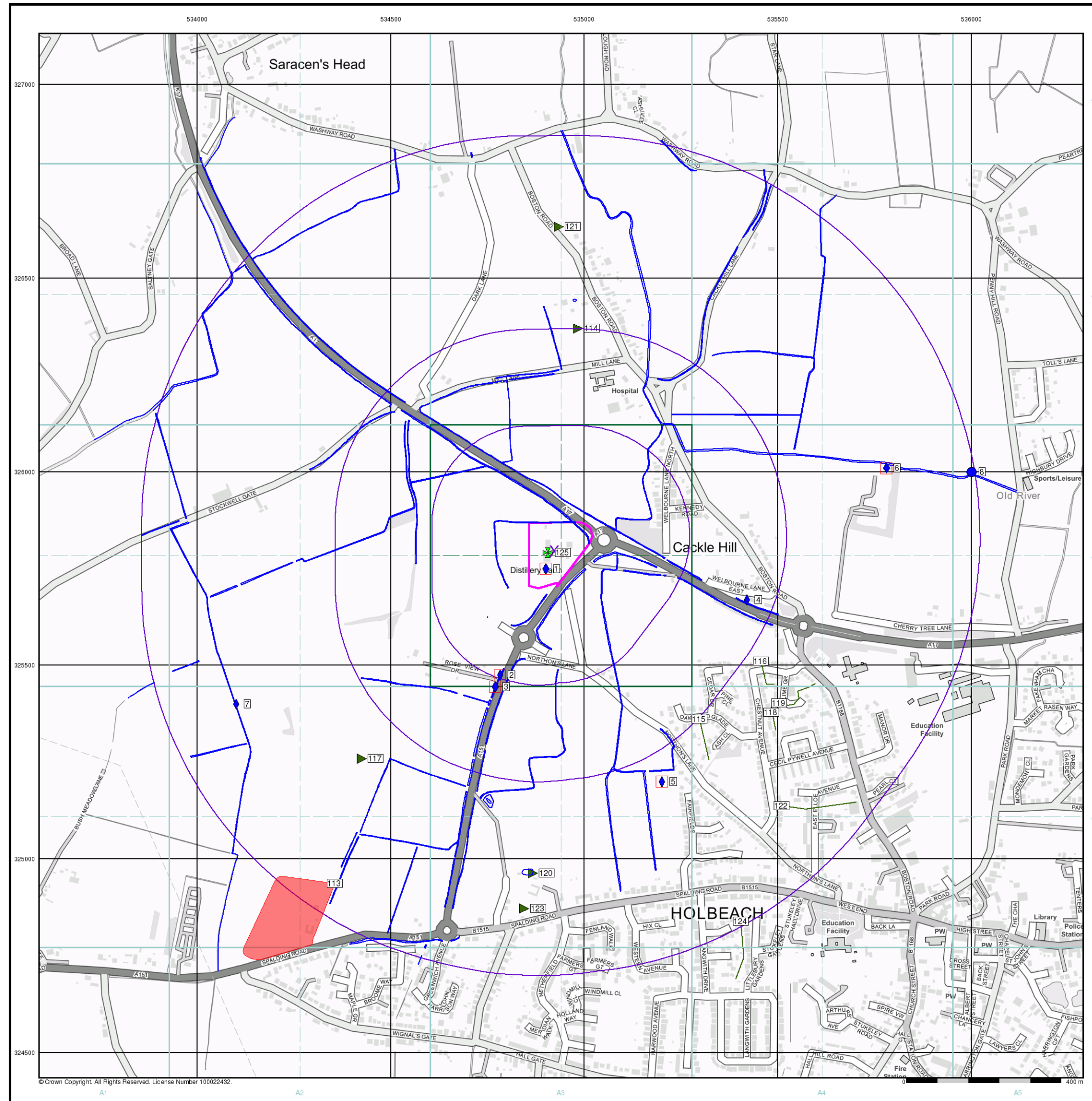
Order Details

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 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Plot Buffer (m): 100

Site Details

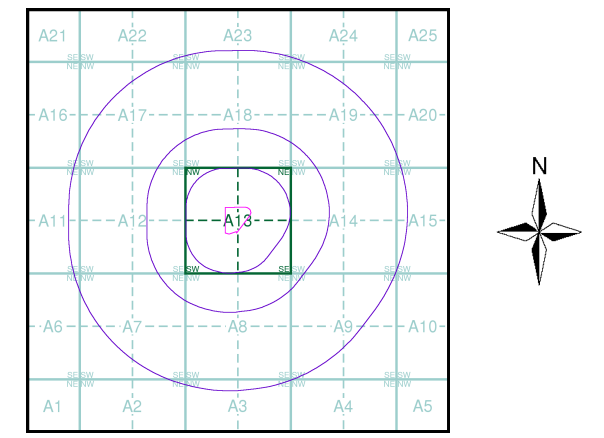
Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF





- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
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- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
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 - Potentially Infilled Land (Water)
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 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A

















Order Details

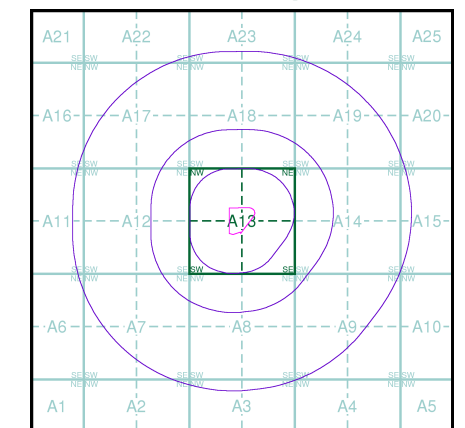
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 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details
 Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF

Industrial Land Use Map

- General**
-  Specified Site
 -  Specified Buffer(s)
 -  Bearing Reference Point
 -  Slice
 -  Map ID
- Industrial Land Use**
-  Contemporary Trade Directory Entry
 -  Fuel Station Entry
 -  Gas Pipeline
 -  Points of Interest - Commercial Services
 -  Points of Interest - Education and Health
 -  Points of Interest - Manufacturing and Production
 -  Points of Interest - Public Infrastructure
 -  Points of Interest - Recreational and Environmental
 -  Underground Electrical Cables

Industrial Land Use Map - Slice A

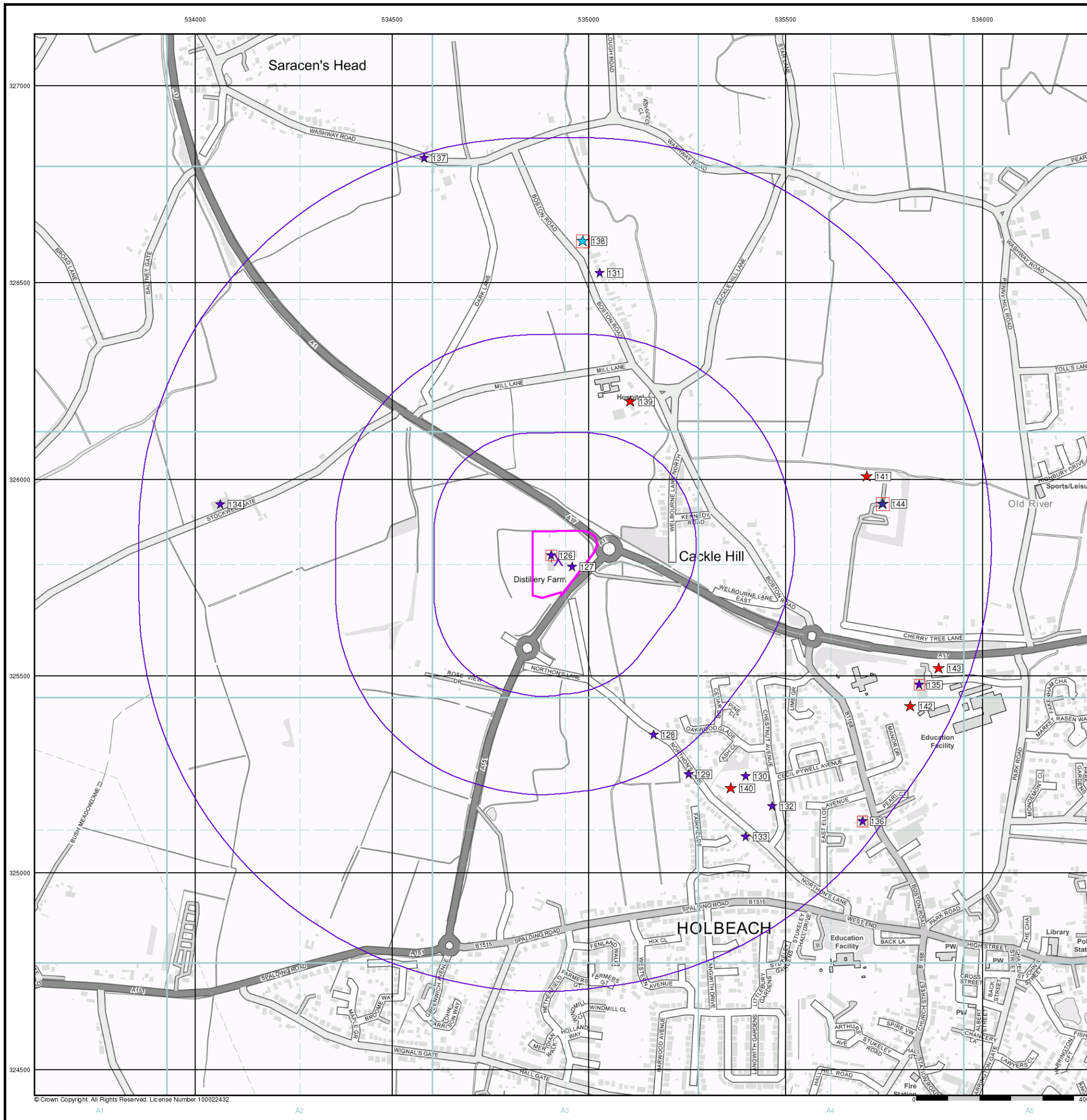


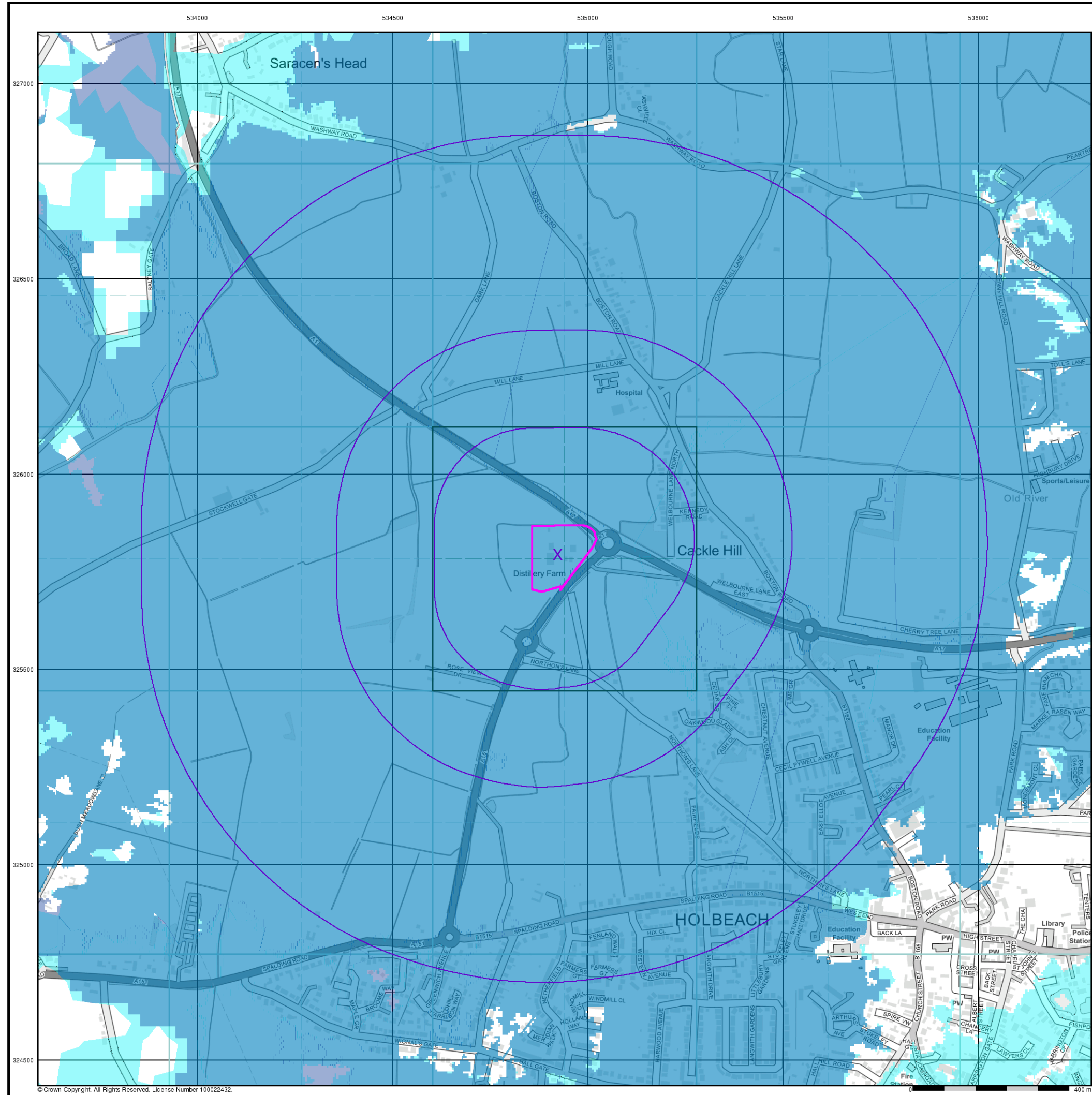
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 Site Area (Ha): 2.12
 Search Buffer (m): 1000




Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF










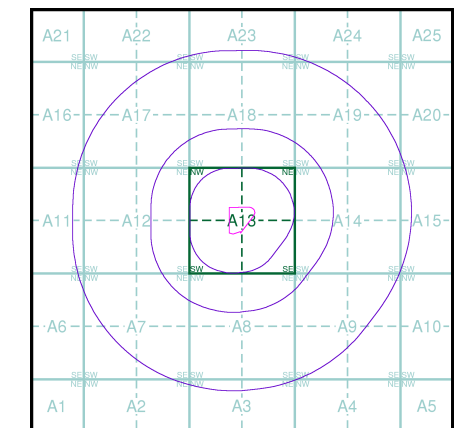
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A








Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000






Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF

General

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

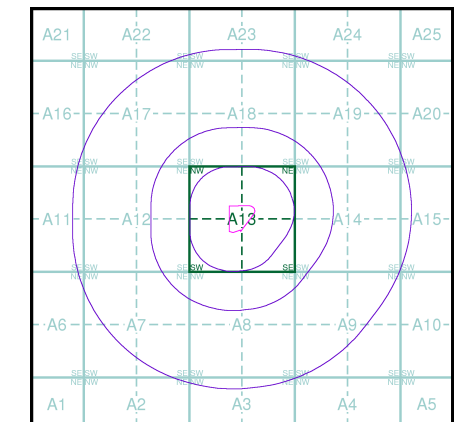
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A

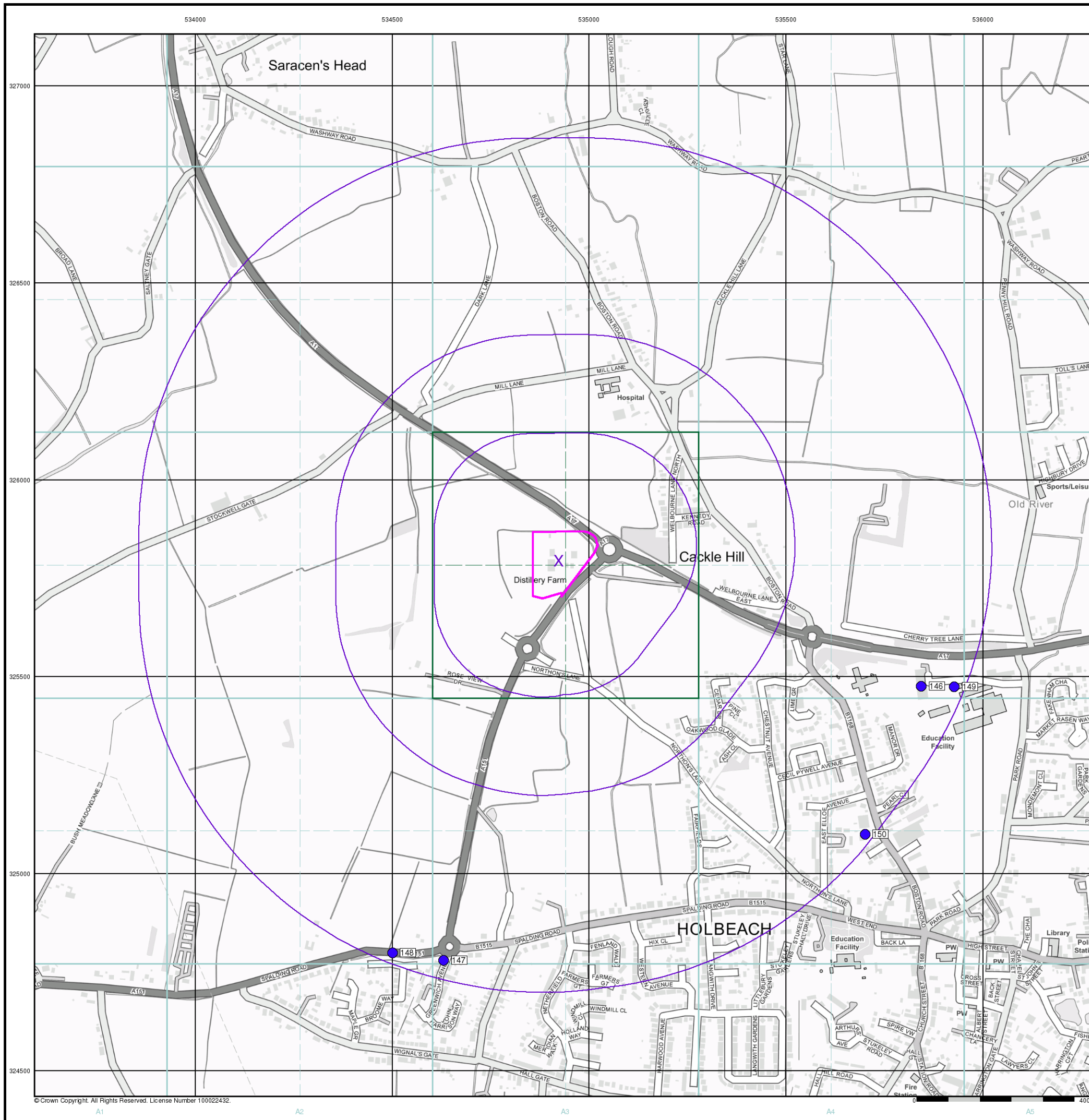


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 Site Area (Ha): 2.12
 Search Buffer (m): 1000




Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF




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General

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

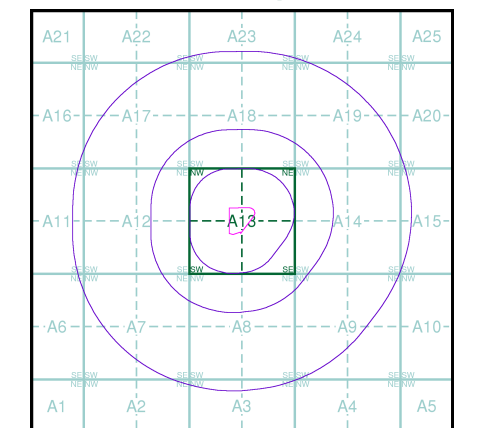
OS Water Network Data

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

Contours (height in meters)

- Standard Contour   Mean Low Water
- Master Contour   Mean High Water
- Spot Height  167.3

OS Water Network Map - Slice A

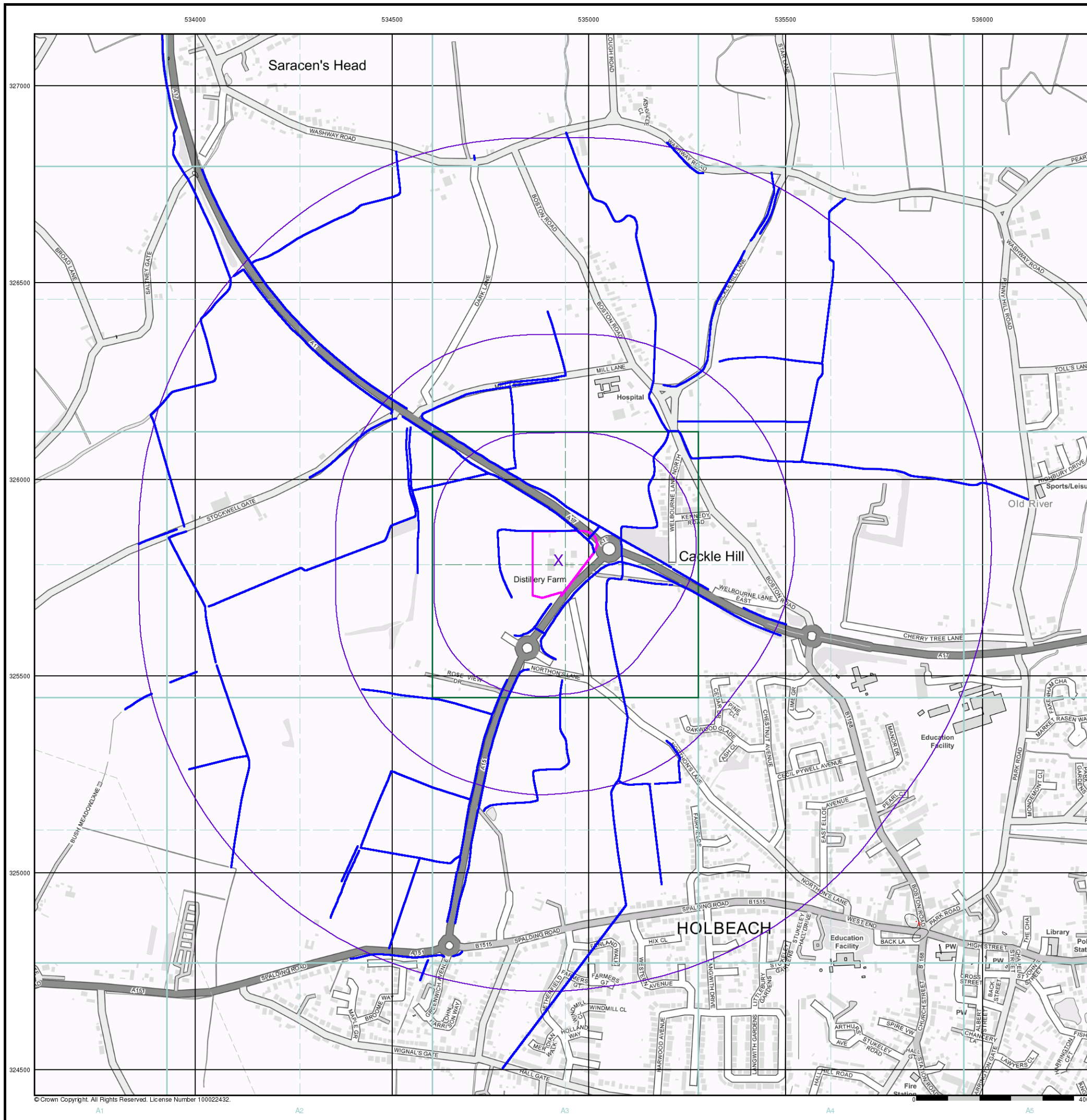


Order Details

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 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details




Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF






General

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

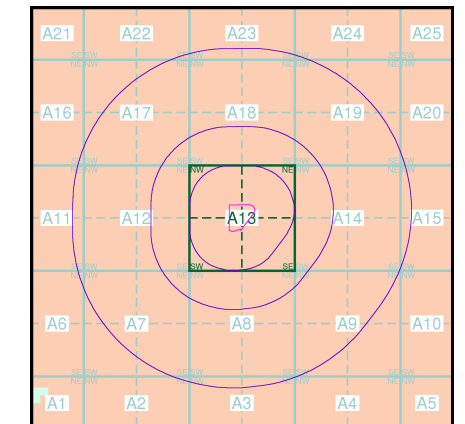
Risk of Flooding from Surface Water

-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

Suitability

- See the suitability map below
-  National to county
 -  County to town
 -  Town to street
 -  Street to parcels of land
 -  Property

EANRW Suitability Map - Slice A

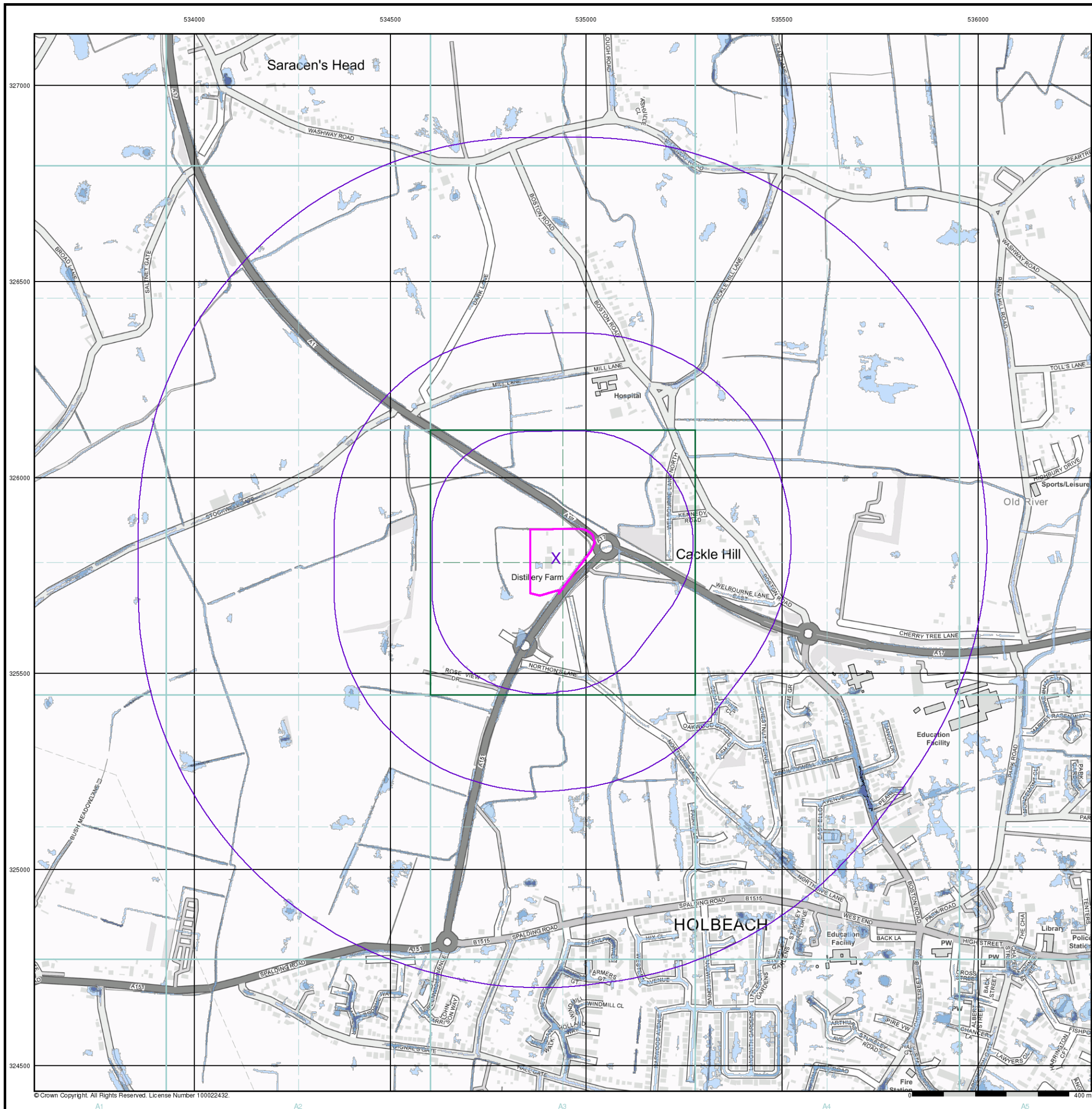


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Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF



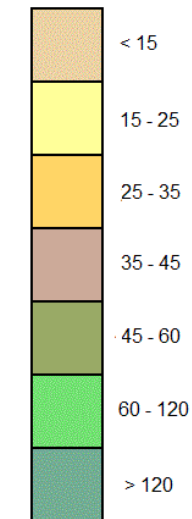
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General

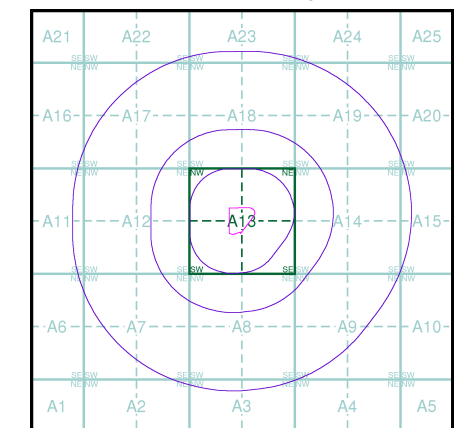
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

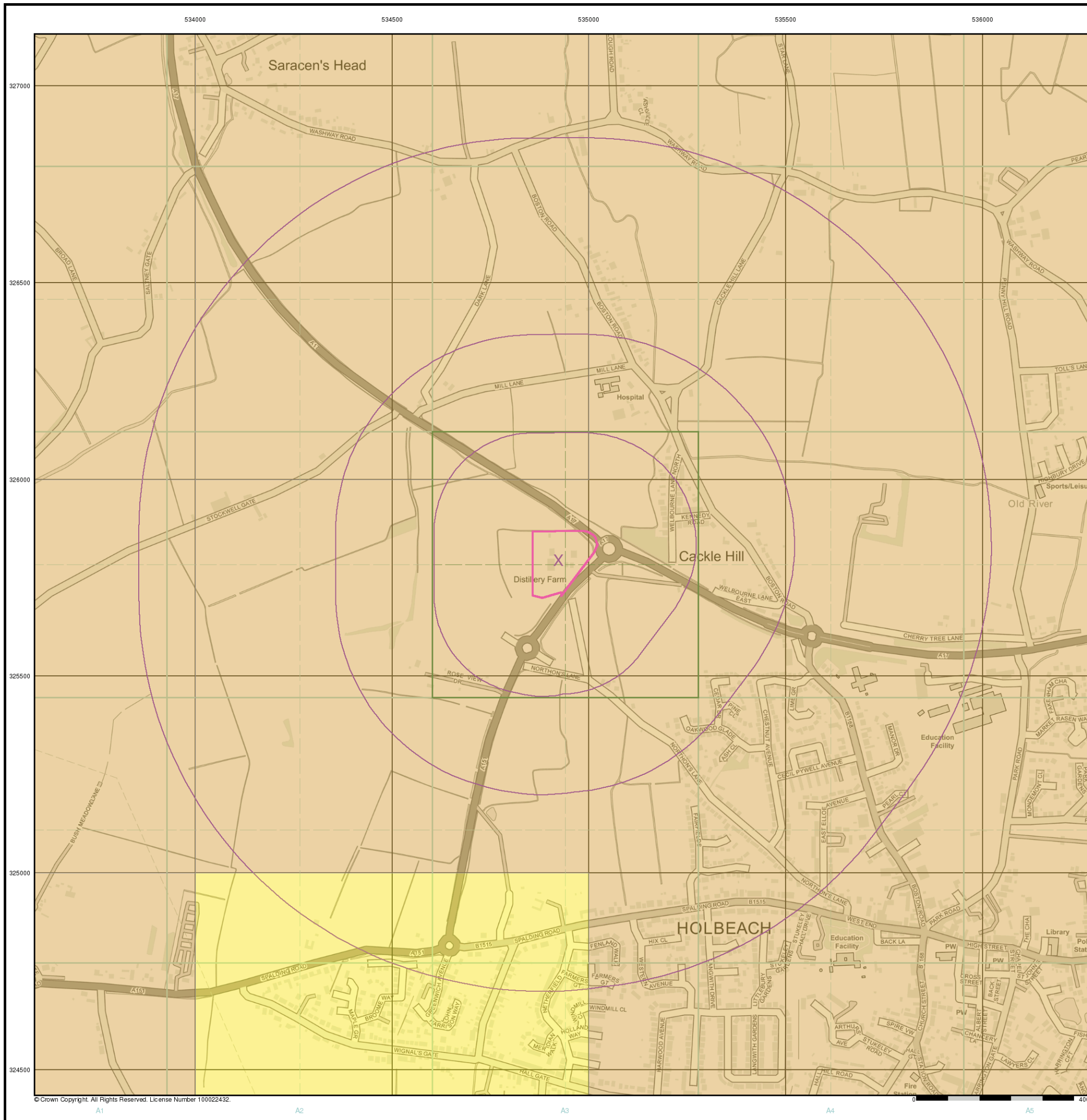


Order Details

Order Details: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF

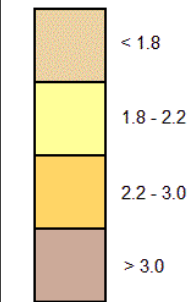


General

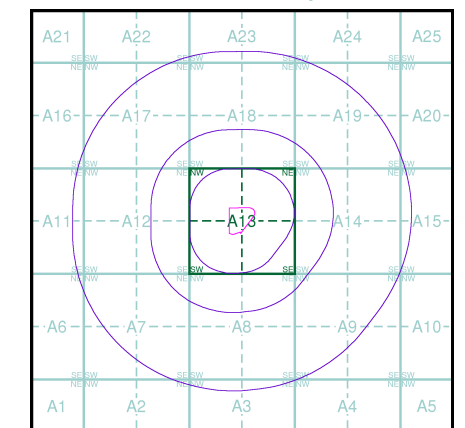
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A

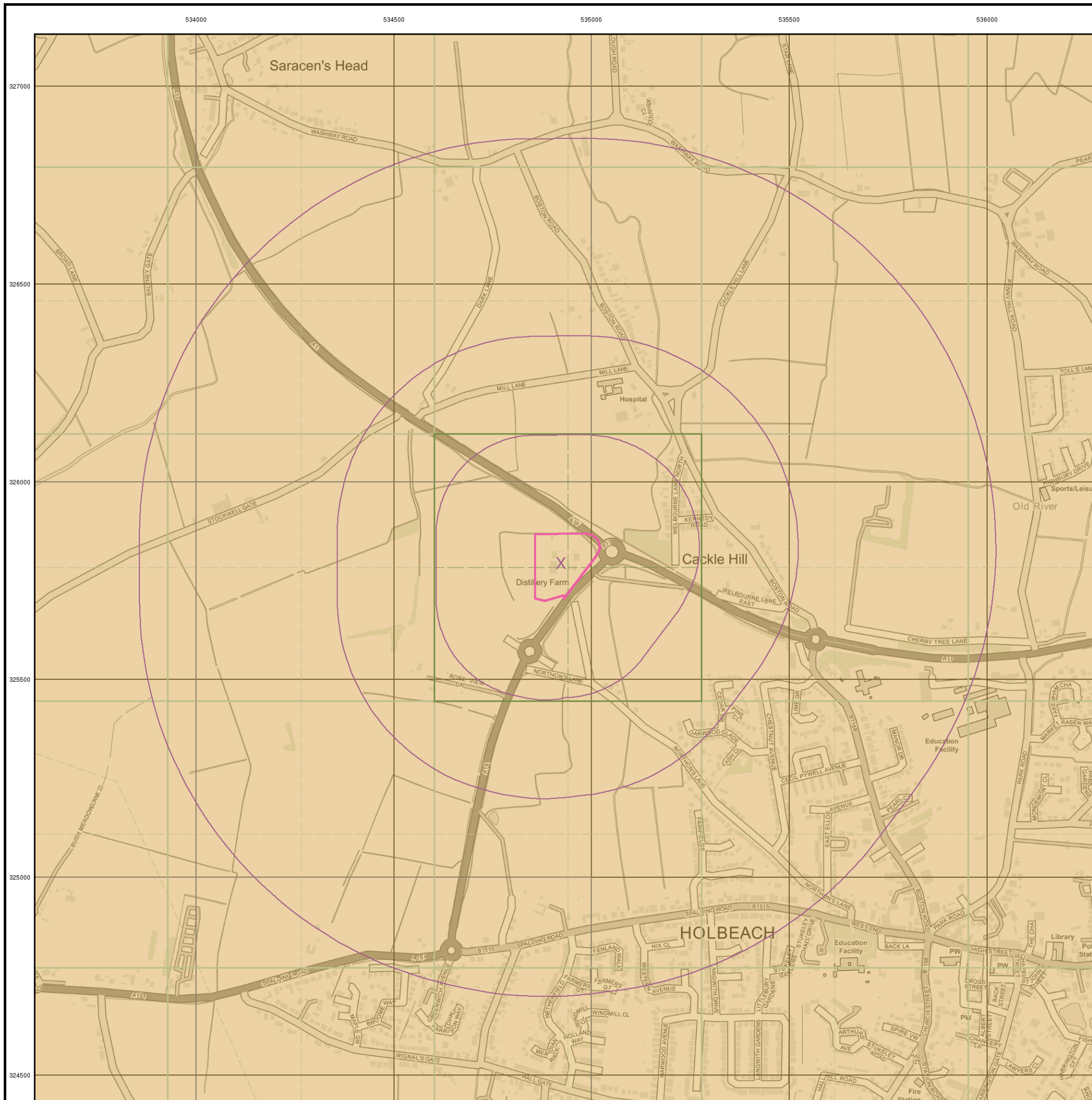


Order Details

Order Details: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF

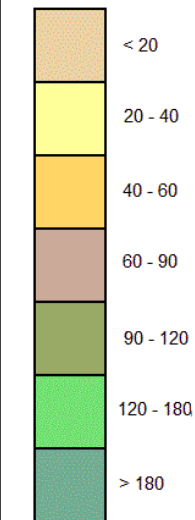


General

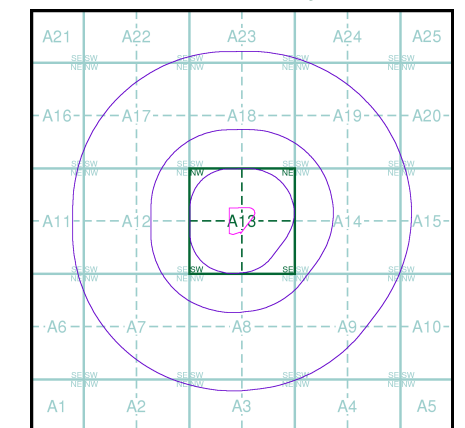
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

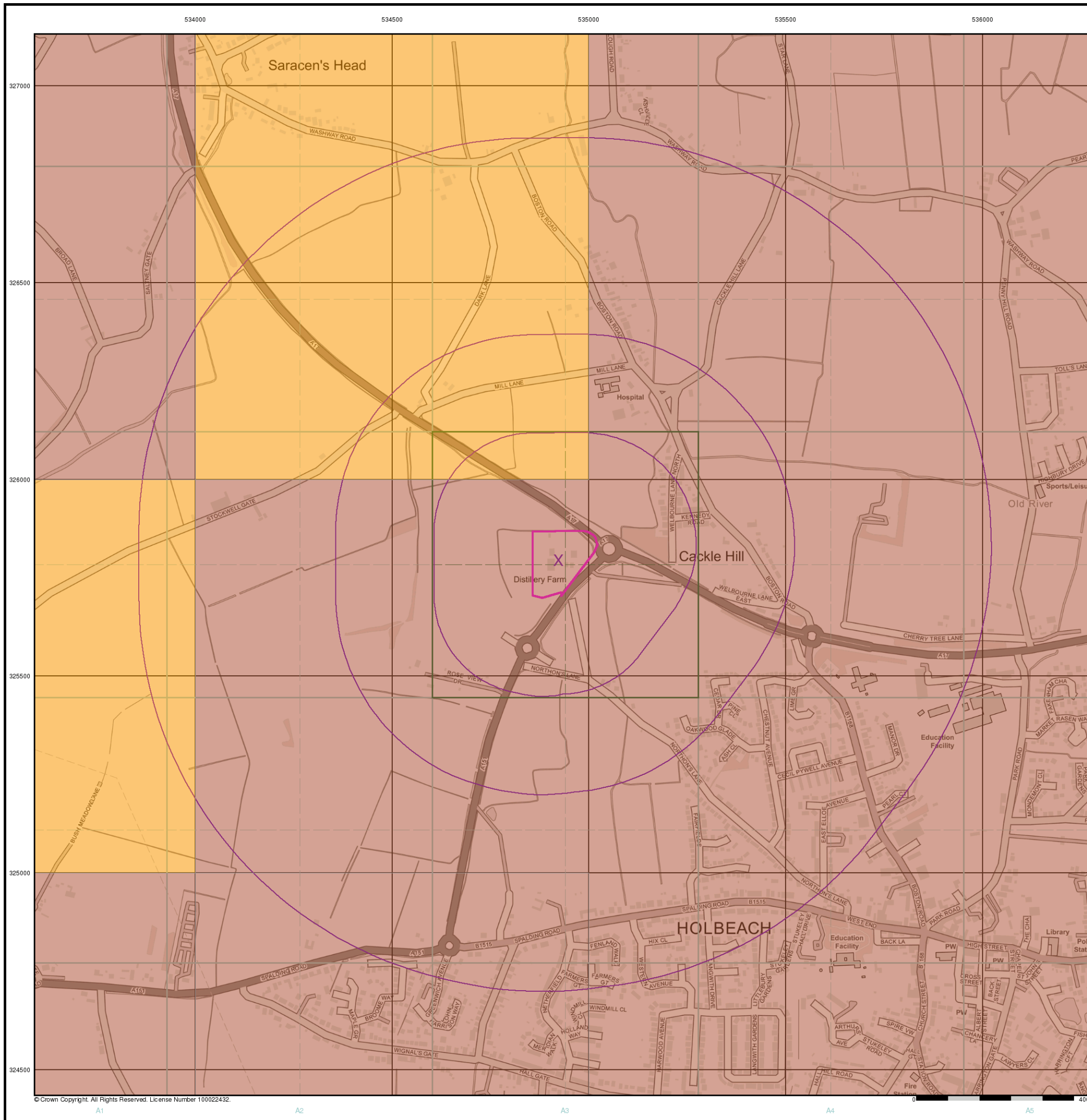


Order Details

Order Details: 304605137_1_1
 Customer Ref: 89647.550348
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 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF

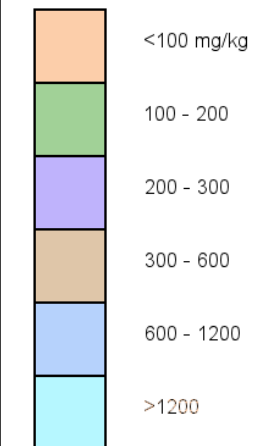


General

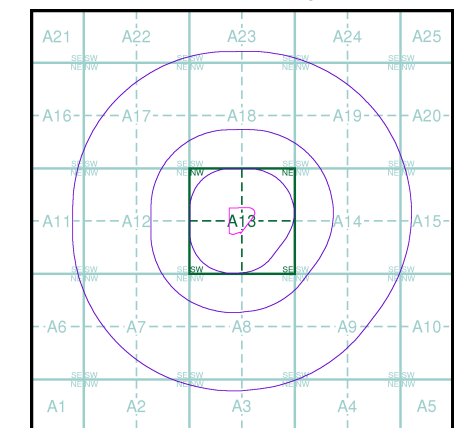
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- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

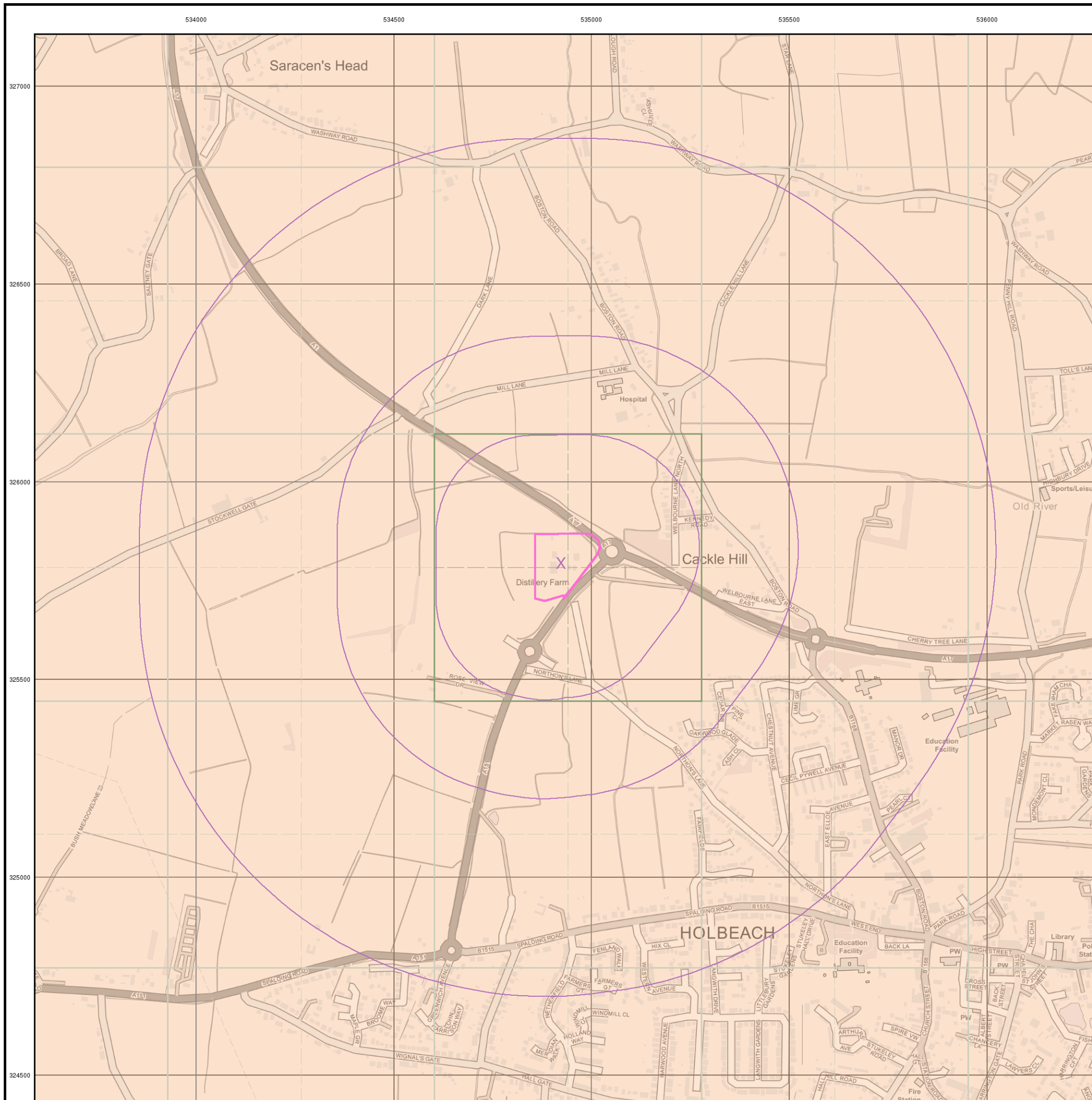


Order Details

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 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF

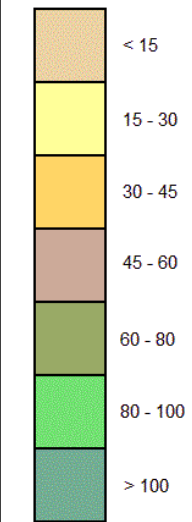


General

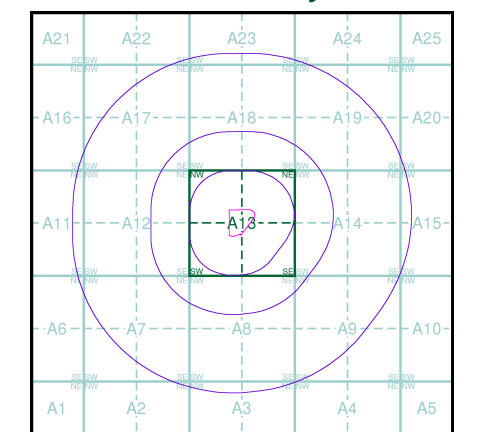
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

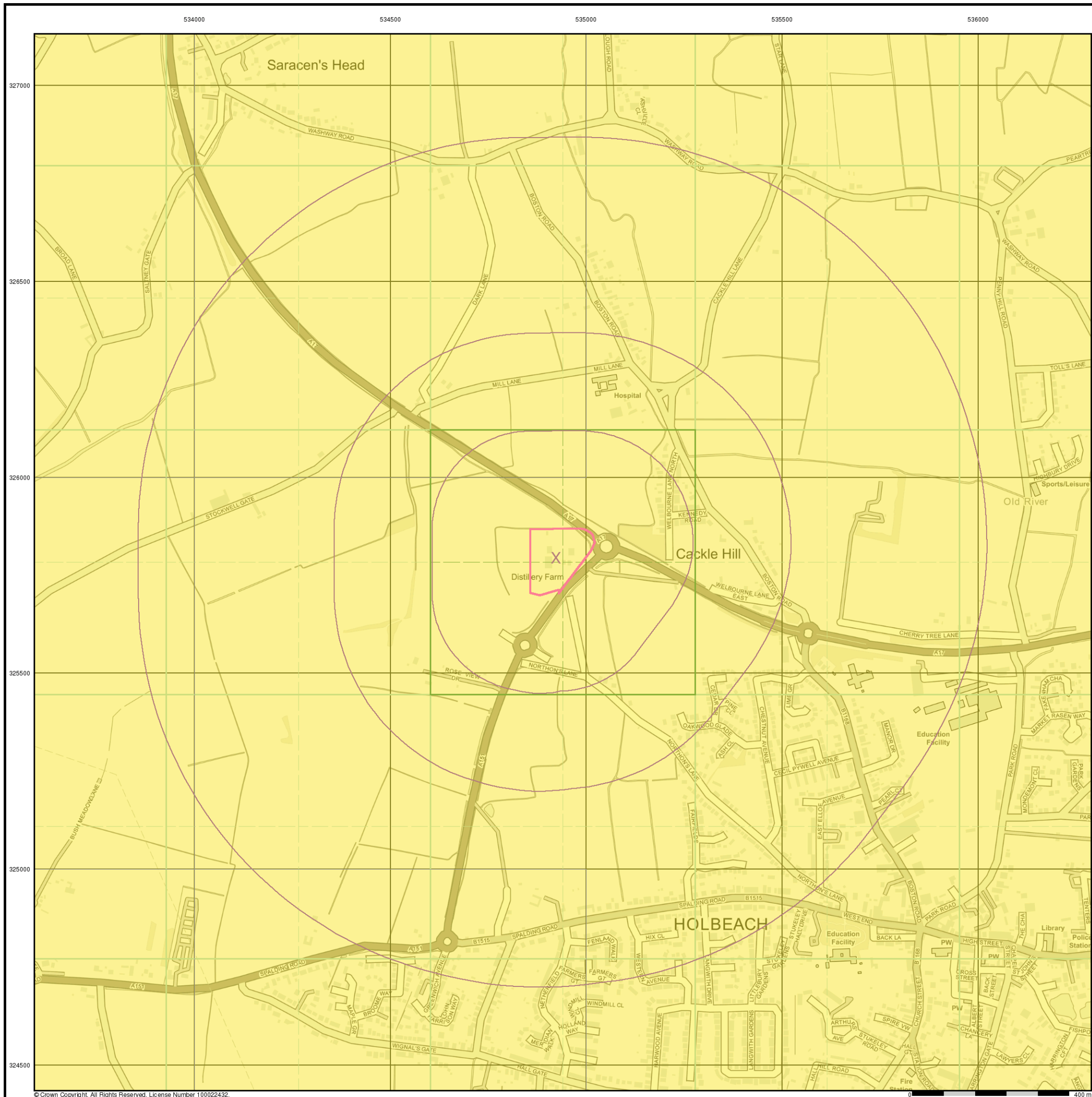


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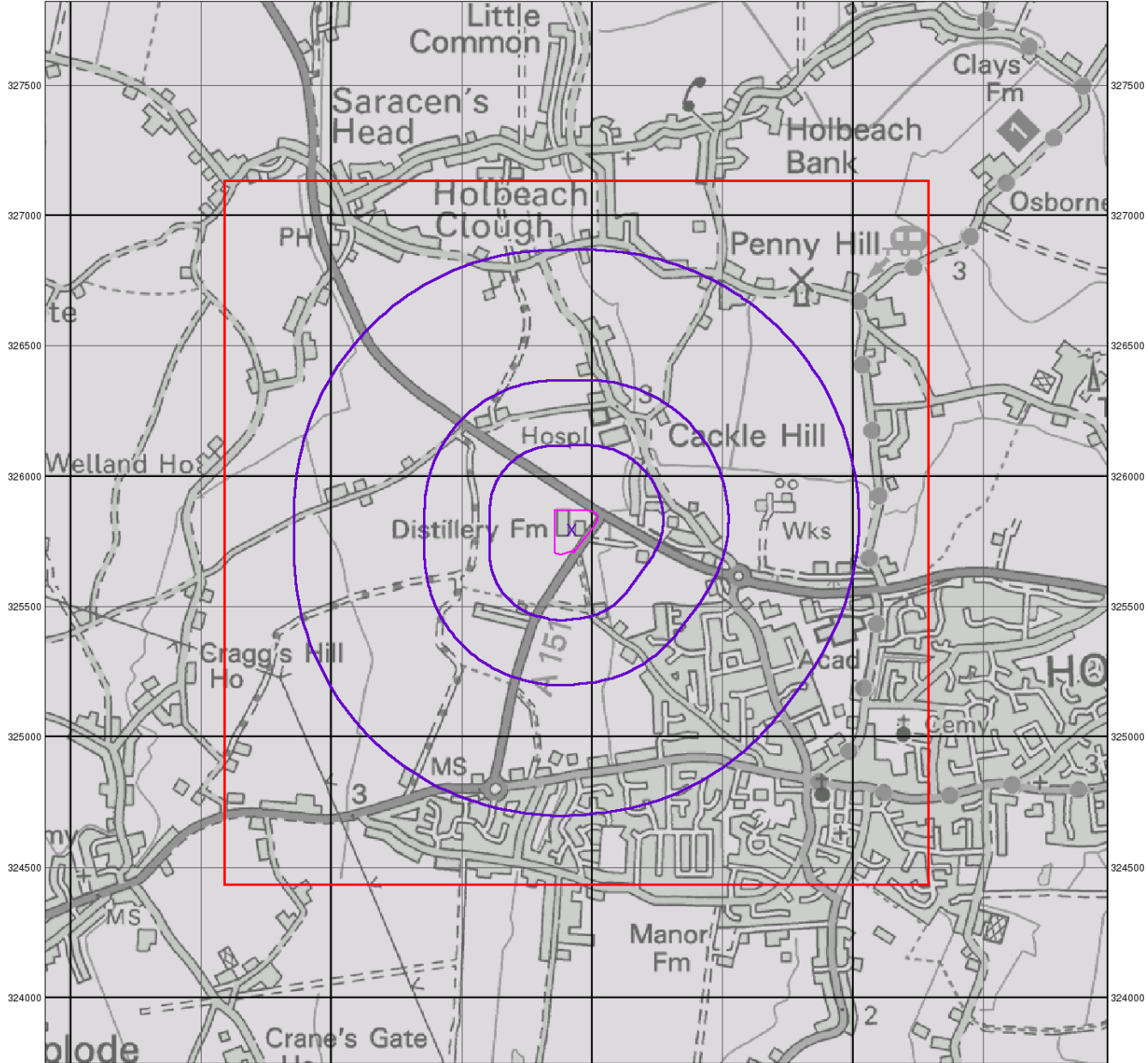
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 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF



533000 533500 534000 534500 535000 535500 536000 536500



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0 1 km



Groundwater Vulnerability

General

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

Agency and Hydrological

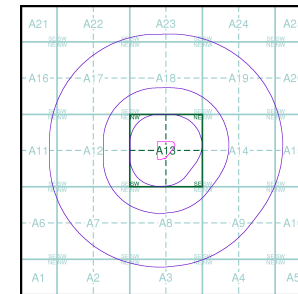
Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer
- Unproductive Aquifer
- Soluble Rock

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

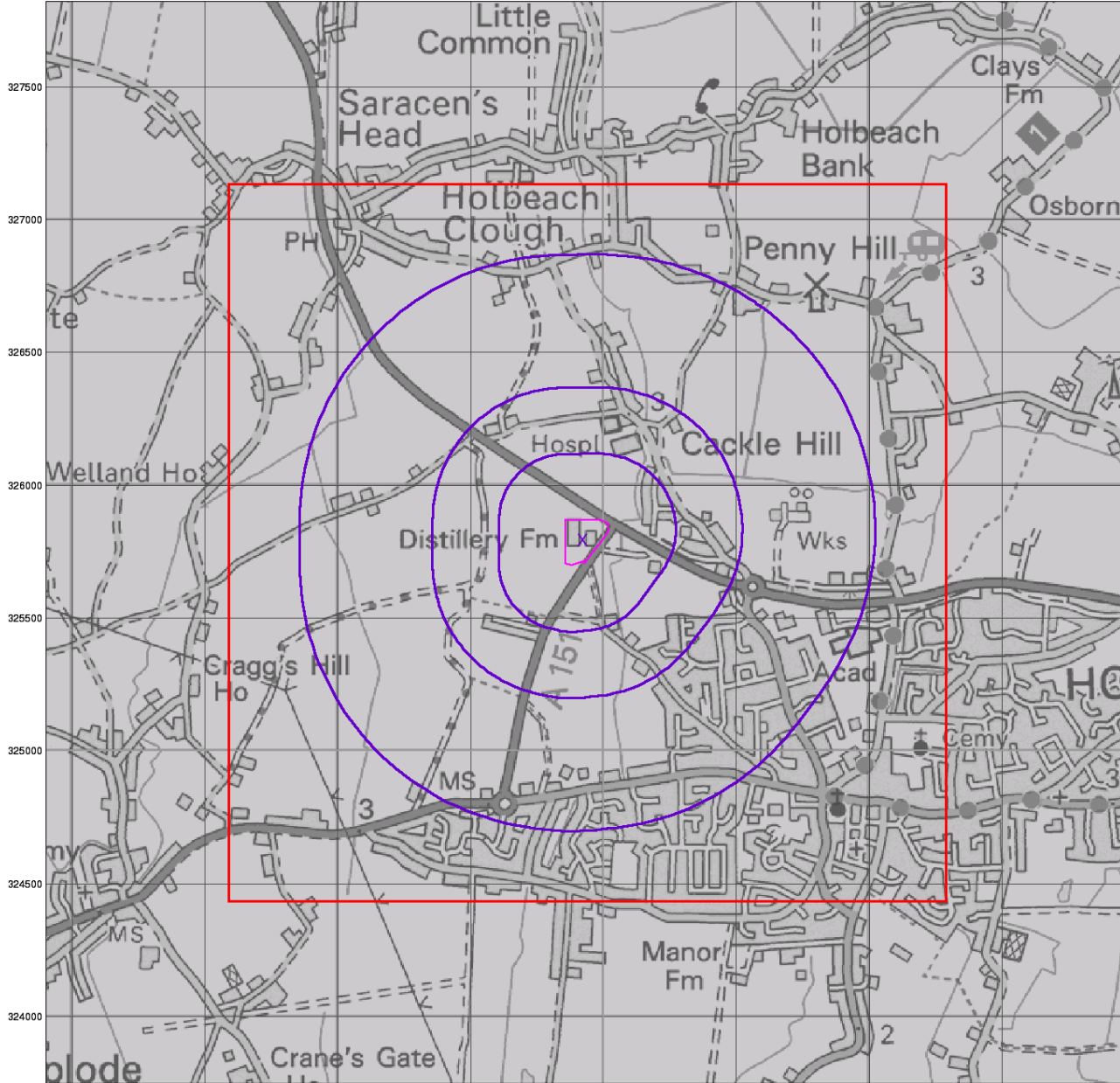
Site Details

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0 1 km



Bedrock Aquifer Designation

General

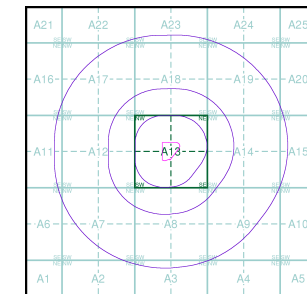
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

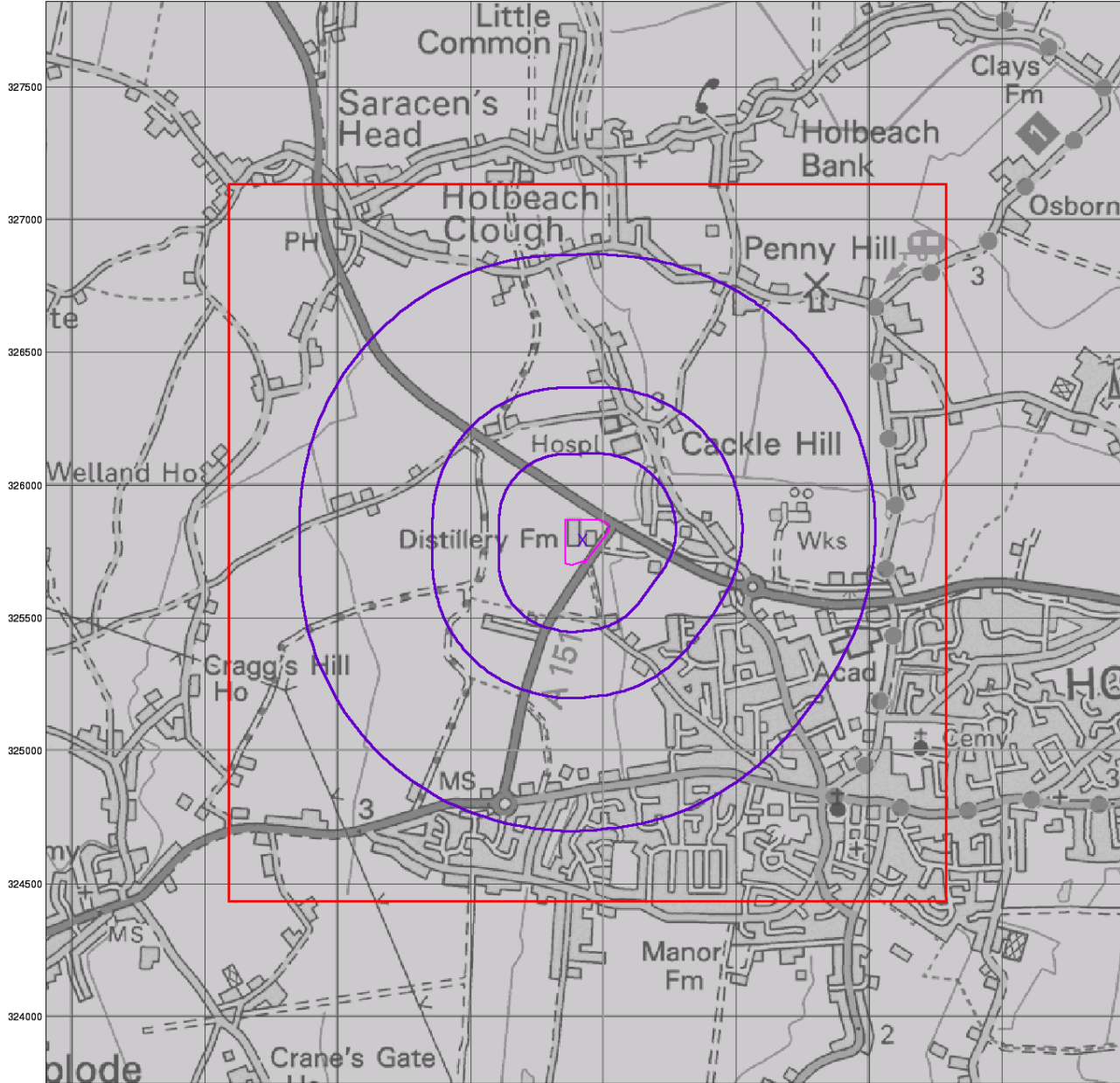
Site Details

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0 1 km



Superficial Aquifer Designation

General

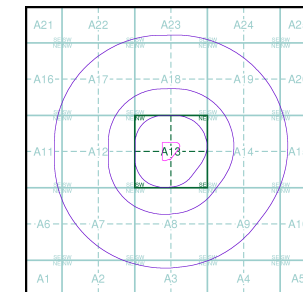
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

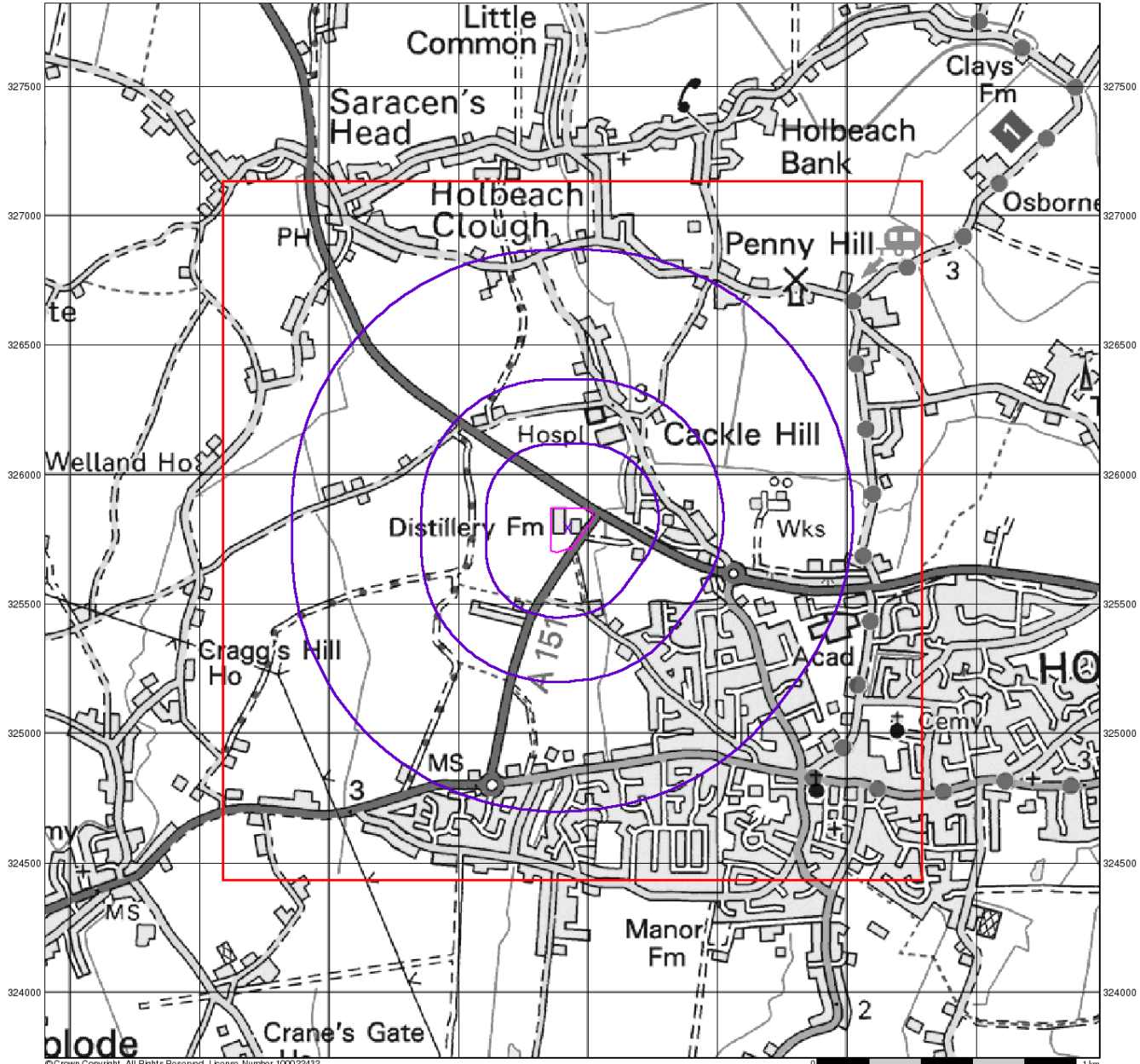
Site Details

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0 1 km



Source Protection Zones

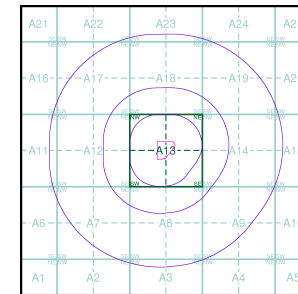
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

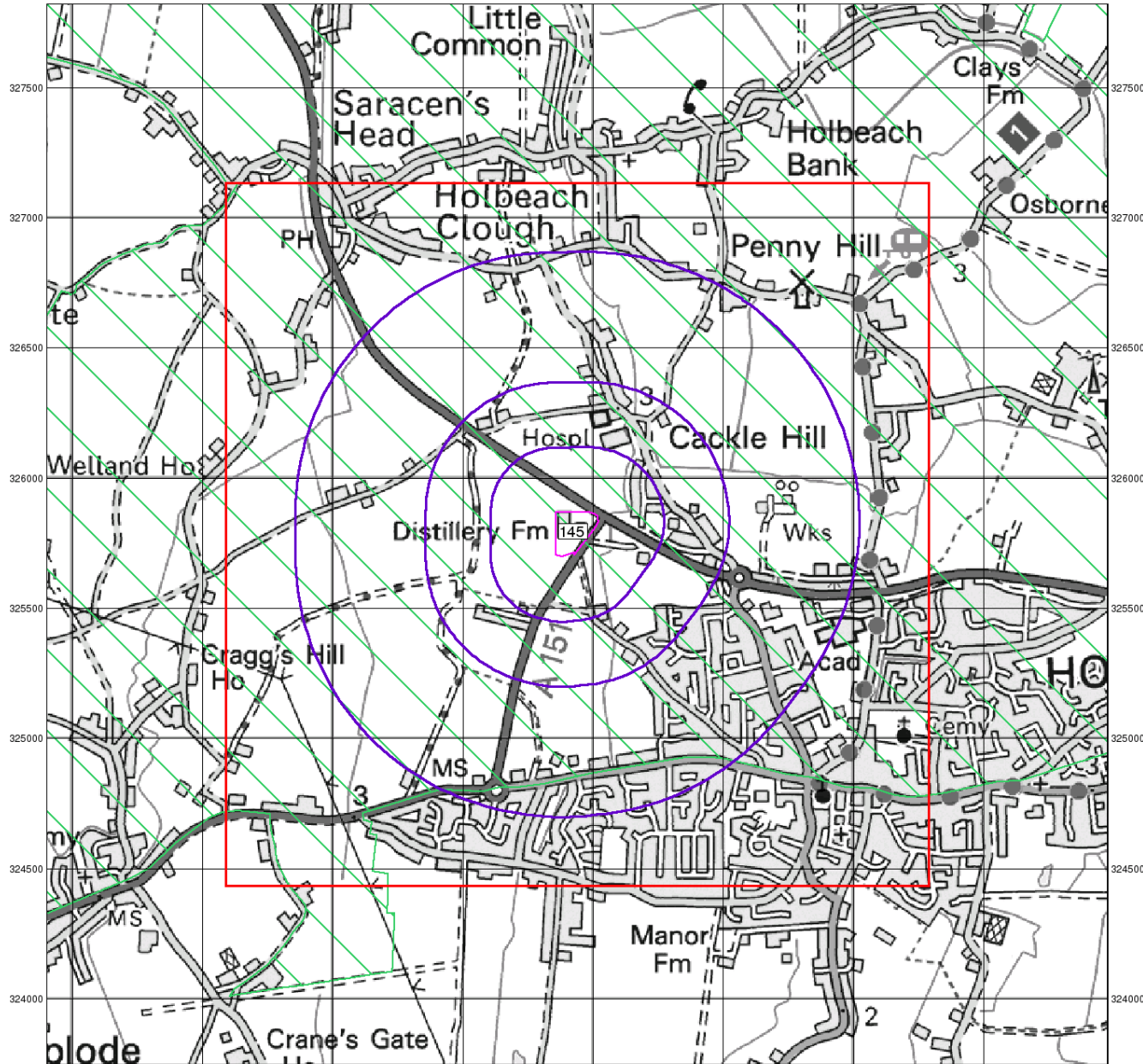
Site Details

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0 1 km



Sensitive Land Uses

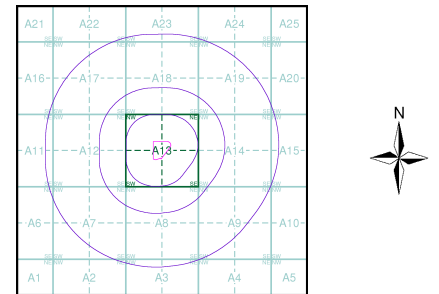
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

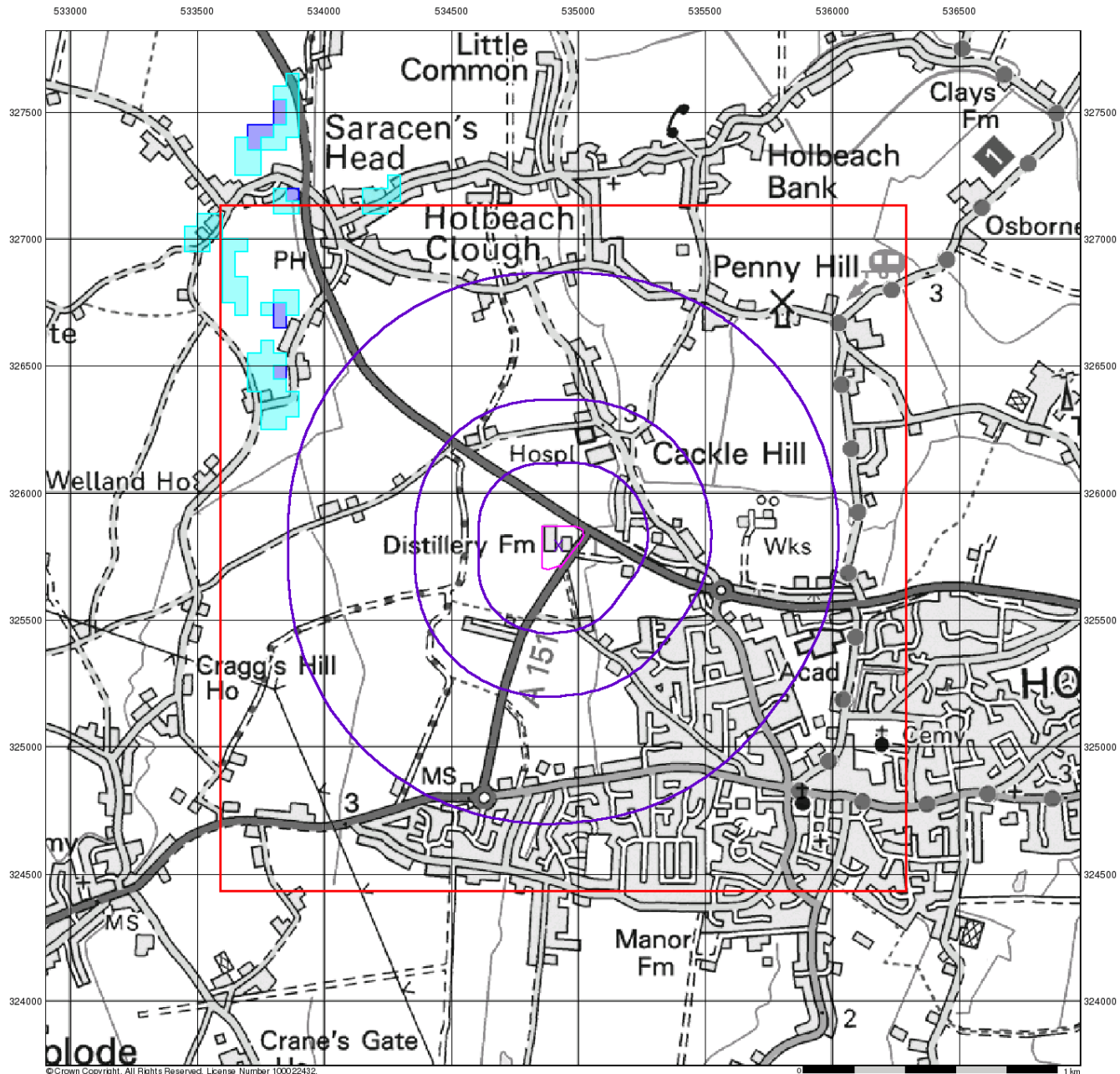
Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

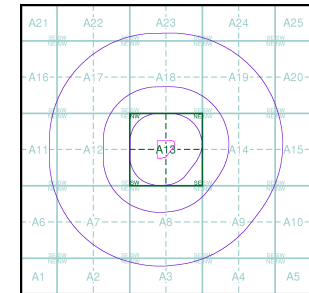
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF



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

Appendix E - Selected Historical Maps

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		
	Bracken		Heath
	Rough Grassland		
	Marsh		Reeds
	Saltings		
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	Standard Gauge Multiple Track		
	Standard Gauge Single Track		
	Siding, Tramway or Mineral Line		
	Narrow Gauge		
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Burgh or District Council		
	Borough, Burgh or County Constituency Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W Well

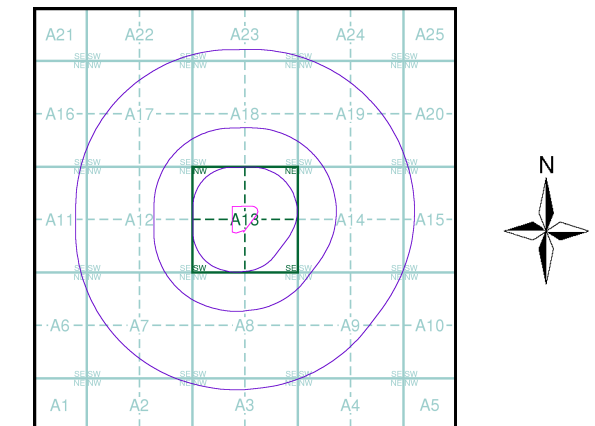
1:10,000 Raster Mapping

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

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1906	4
Lincolnshire	1:10,560	1931 - 1932	5
Lincolnshire	1:10,560	1931	6
Lincolnshire	1:10,560	1938 - 1952	7
Lincolnshire	1:10,560	1951 - 1952	8
Ordnance Survey Plan	1:10,000	1956 - 1959	9
Ordnance Survey Plan	1:10,000	1970 - 1977	10
Ordnance Survey Plan	1:10,000	1992	11
10K Raster Mapping	1:10,000	2000	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2022	14

Historical Map - Slice A



Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone., Holbeach, SPALDING, PE12 7BF

Lincolnshire

Published 1887

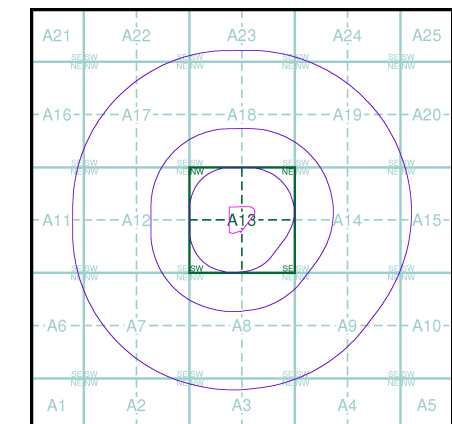
Source map scale - 1:10,560

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)

135NW 1887 1:10,560	135NE 1887 1:10,560
135SW 1887 1:10,560	135SE 1887 1:10,560

Historical Map - Slice A

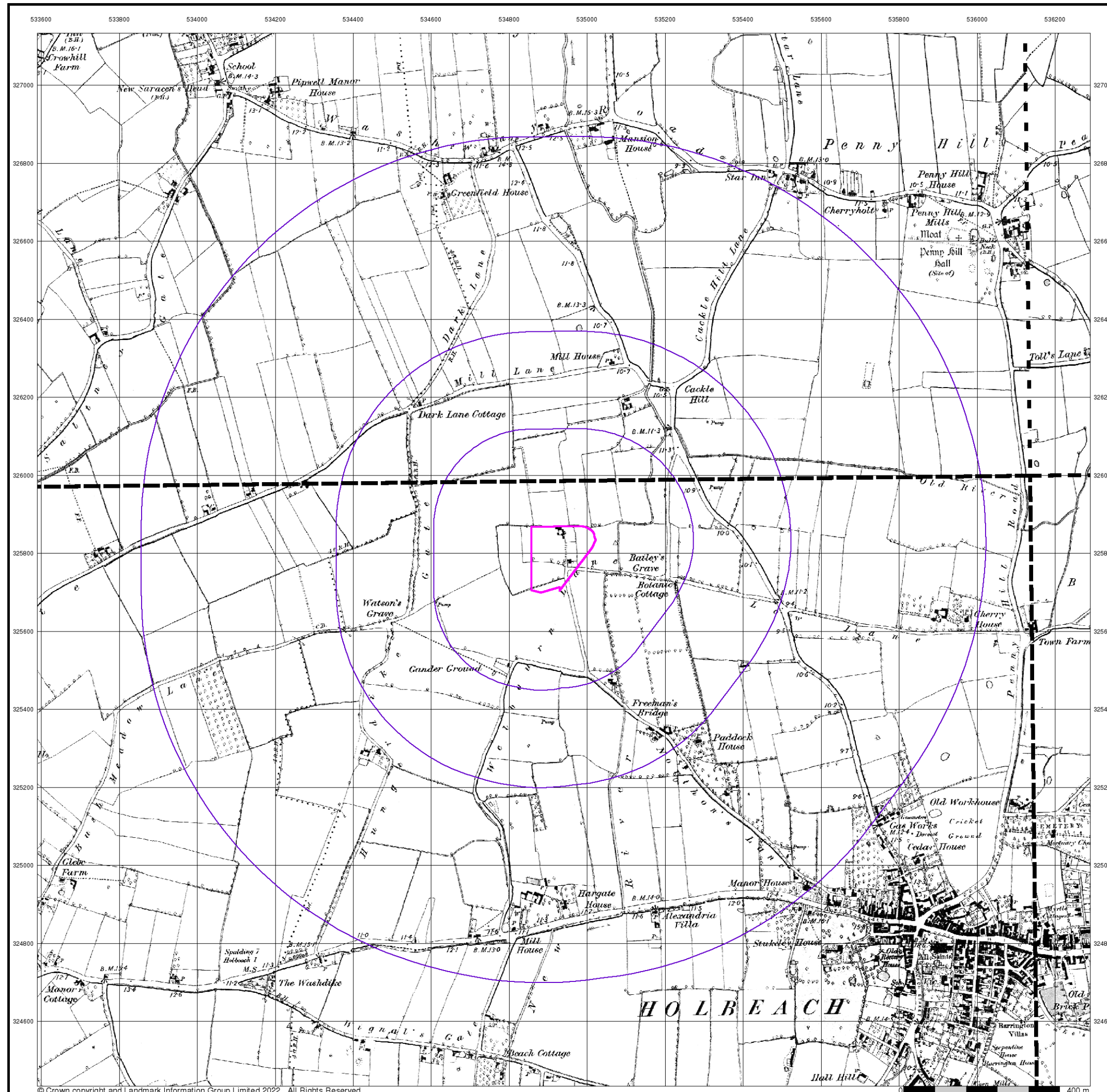


Order Details

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 Slice: A
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Site Details

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Lincolnshire

Published 1906

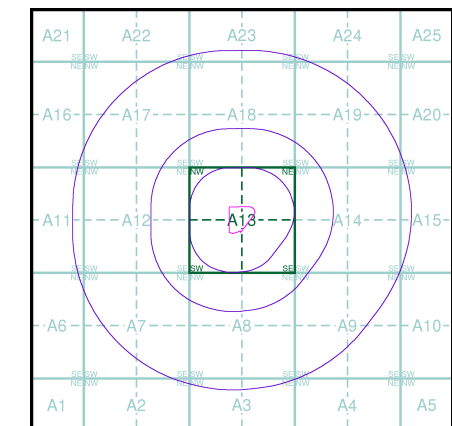
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

135NW 1906 1:10,560	135NE 1906 1:10,560
135SW 1906 1:10,560	135SE 1906 1:10,560

Historical Map - Slice A

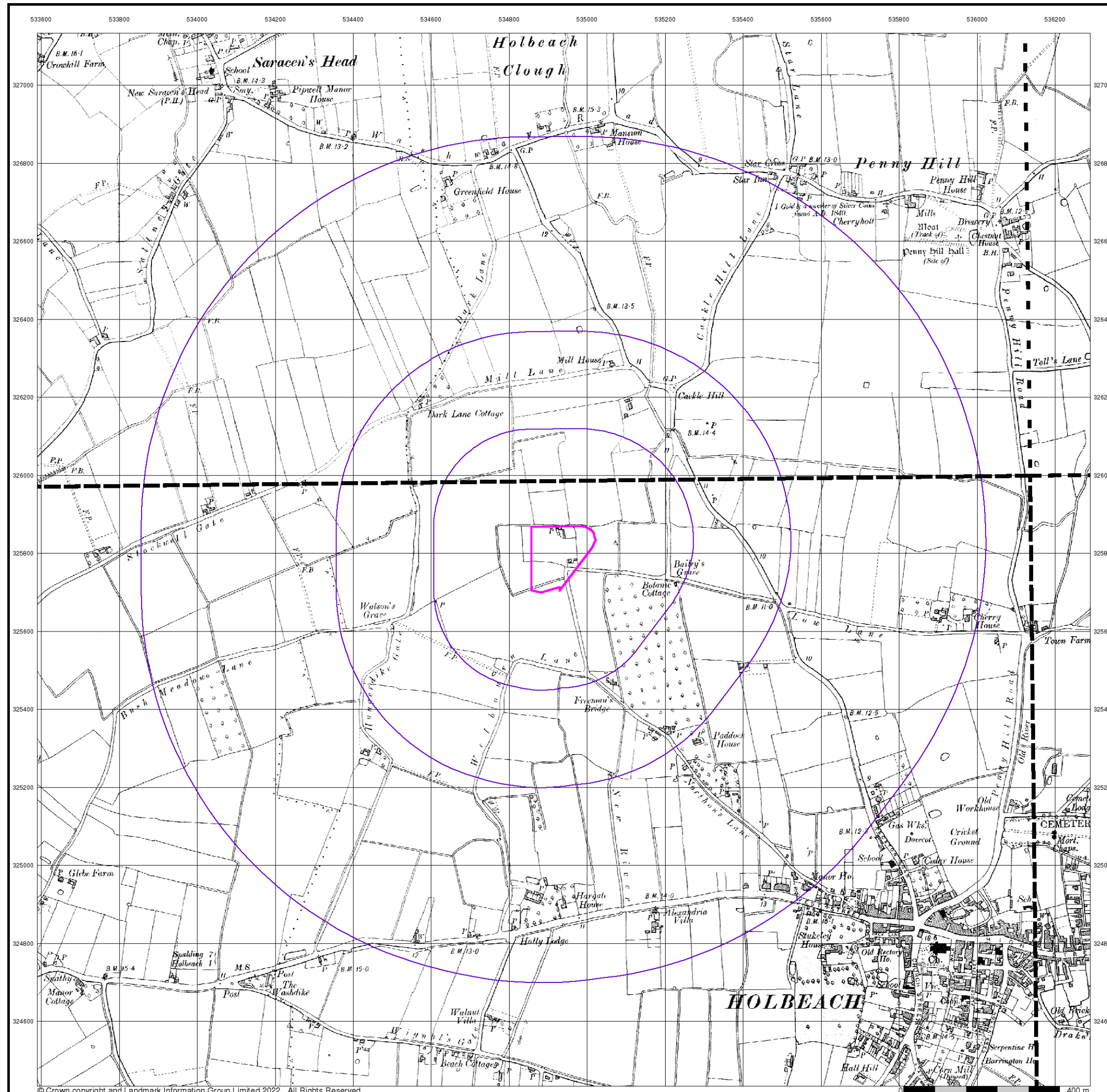


Order Details

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 Site Area (Ha): 2.12
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Site Details

Holbeach Food Enterprise Zone., Holbeach, SPALDING, PE12 7BF



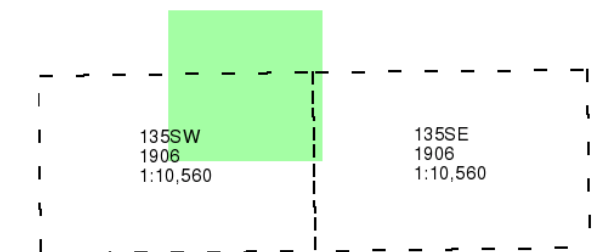
Lincolnshire

Published 1906

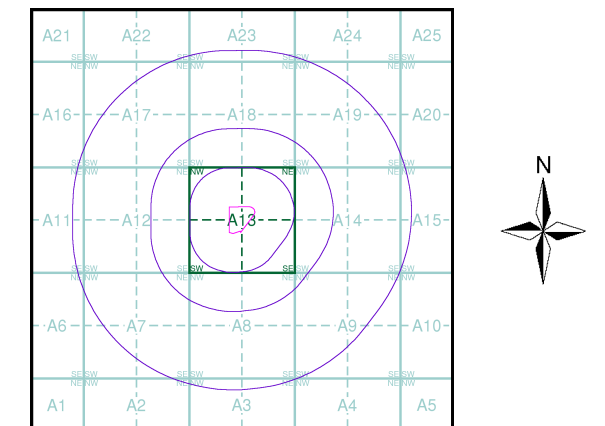
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Map Name(s) and Date(s)



Historical Map - Slice A

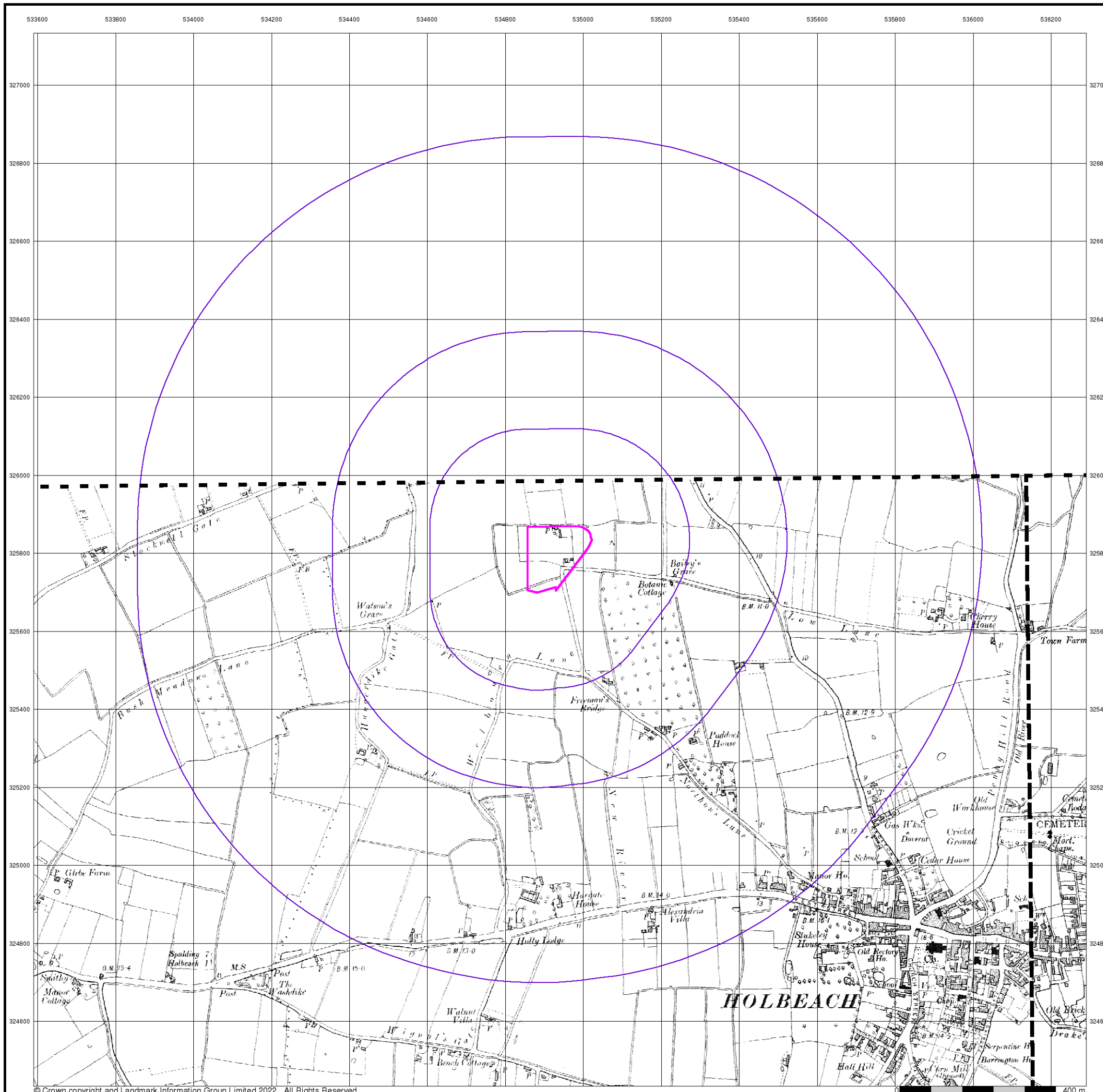


Order Details

Order Number: 304605137_1_1
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 Slice: A
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Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF



Lincolnshire

Published 1931 - 1932

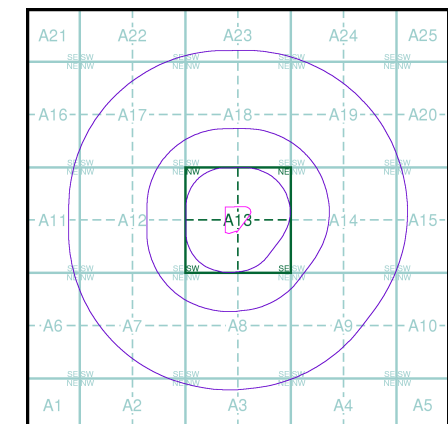
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

135NW 1931 1:10,560	135NE 1931 1:10,560
135SW 1932 1:10,560	135SE 1932 1:10,560

Historical Map - Slice A

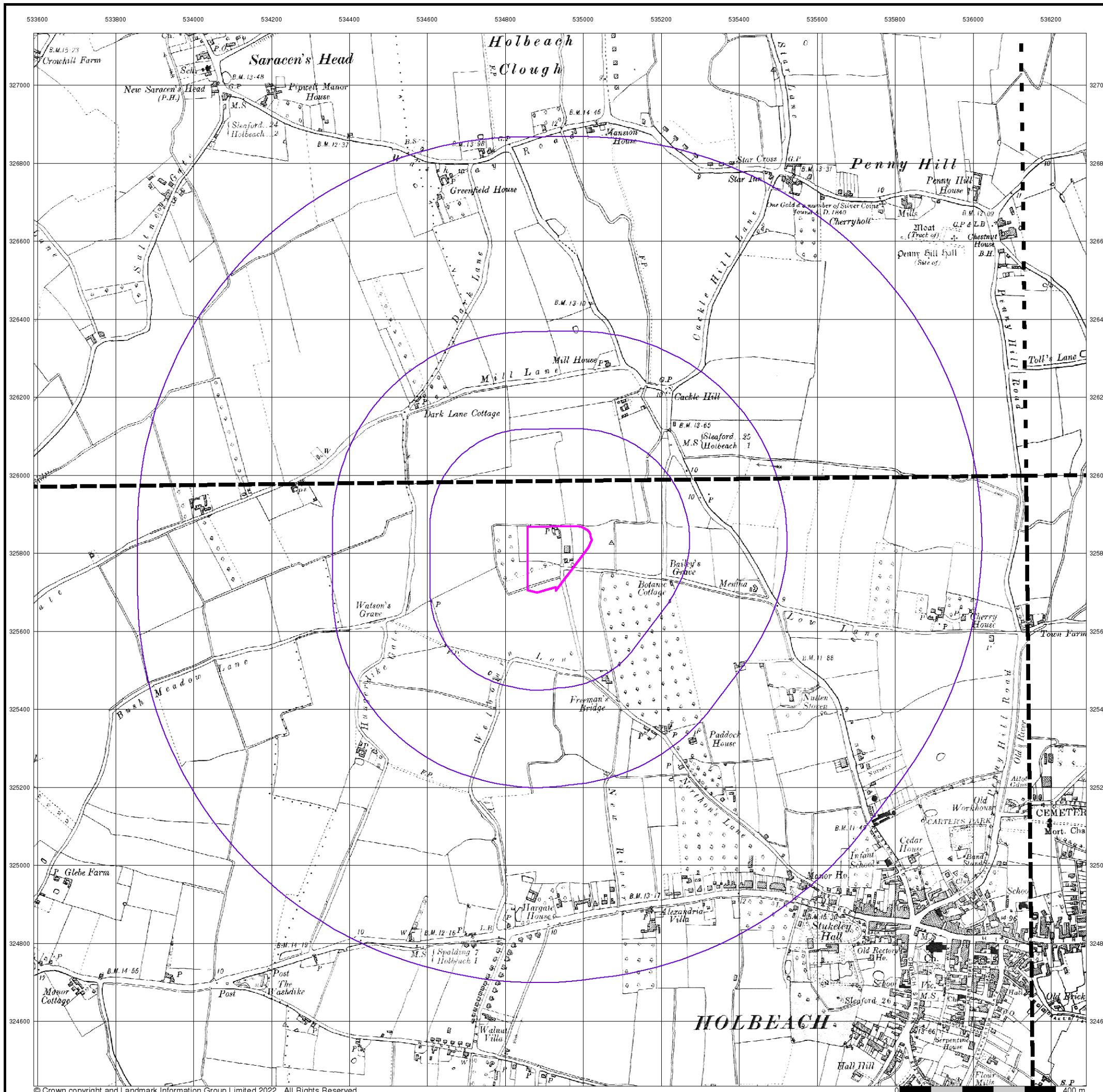


Order Details

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 Site Area (Ha): 2.12
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Site Details

Holbeach Food Enterprise Zone., Holbeach, SPALDING, PE12 7BF



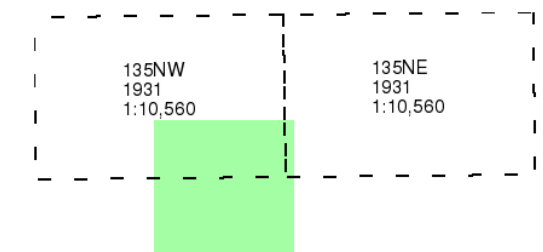
Lincolnshire

Published 1931

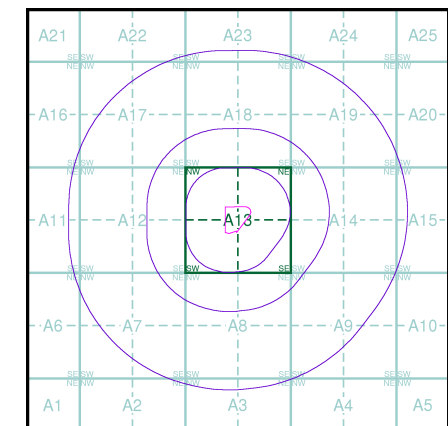
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Map Name(s) and Date(s)



Historical Map - Slice A

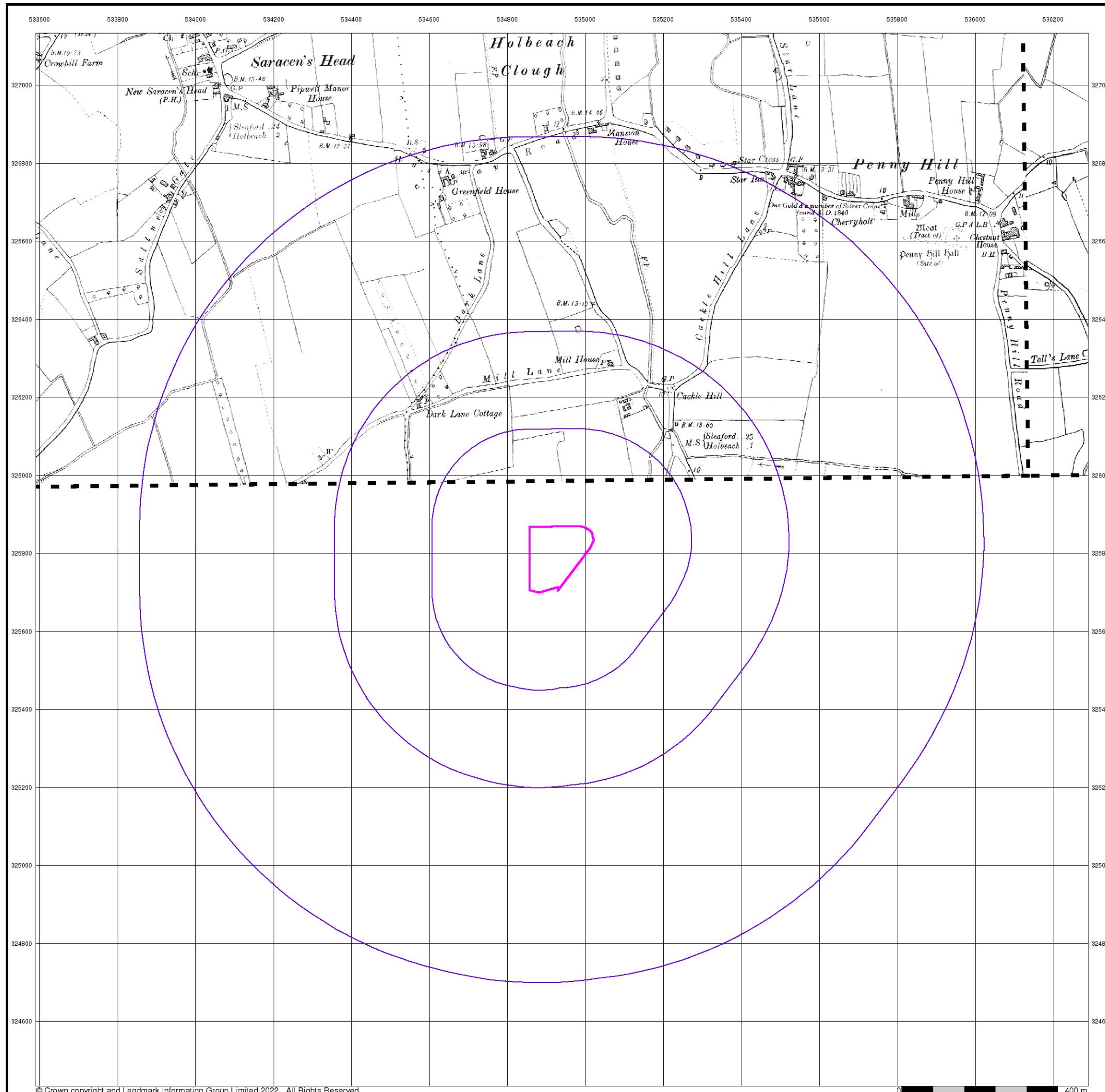


Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
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 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone., Holbeach, SPALDING, PE12 7BF



Lincolnshire

Published 1938 - 1952

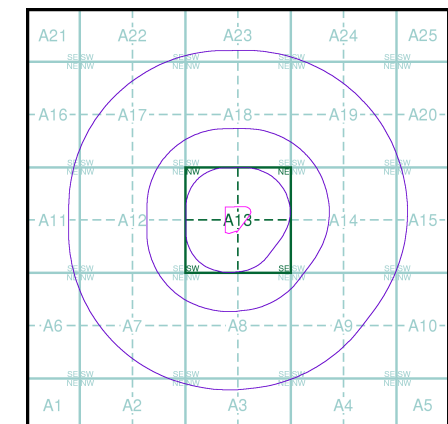
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Map Name(s) and Date(s)

135NW 1952 1:10,560	135NE 1952 1:10,560
135SW 1938 1:10,560	135SE 1938 1:10,560

Historical Map - Slice A

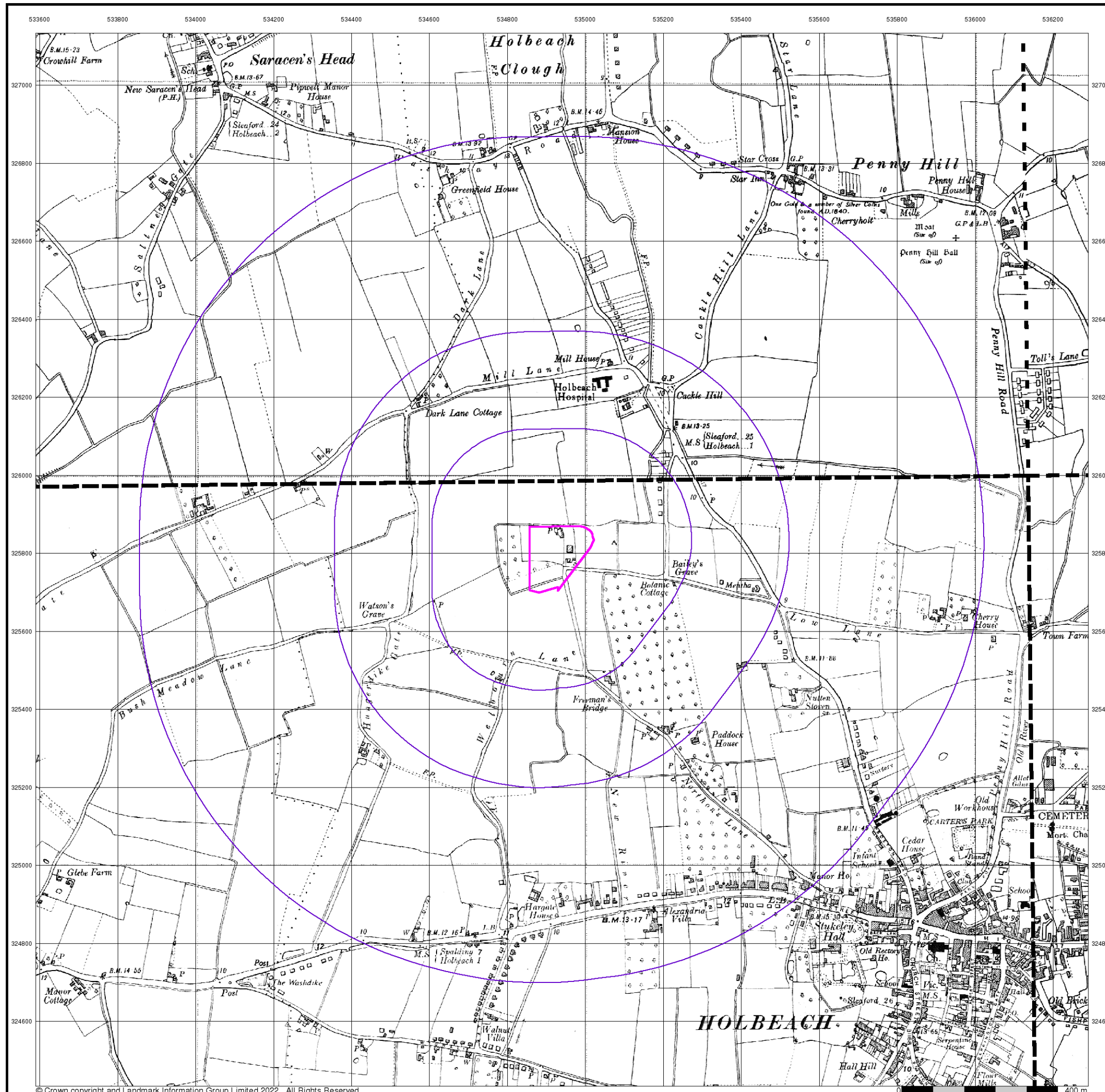


Order Details

Order Number: 304605137_1_1
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Site Details

Holbeach Food Enterprise Zone, Holbeach, SPALDING, PE12 7BF



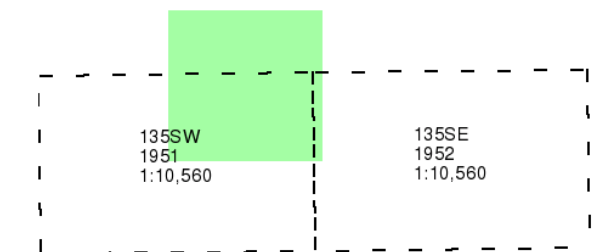
Lincolnshire

Published 1951 - 1952

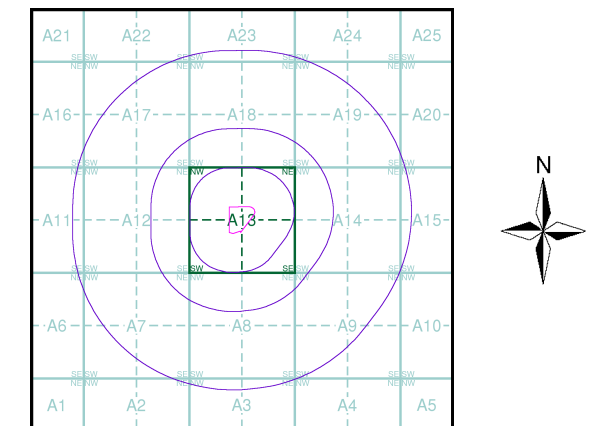
Source map scale - 1:10,560

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

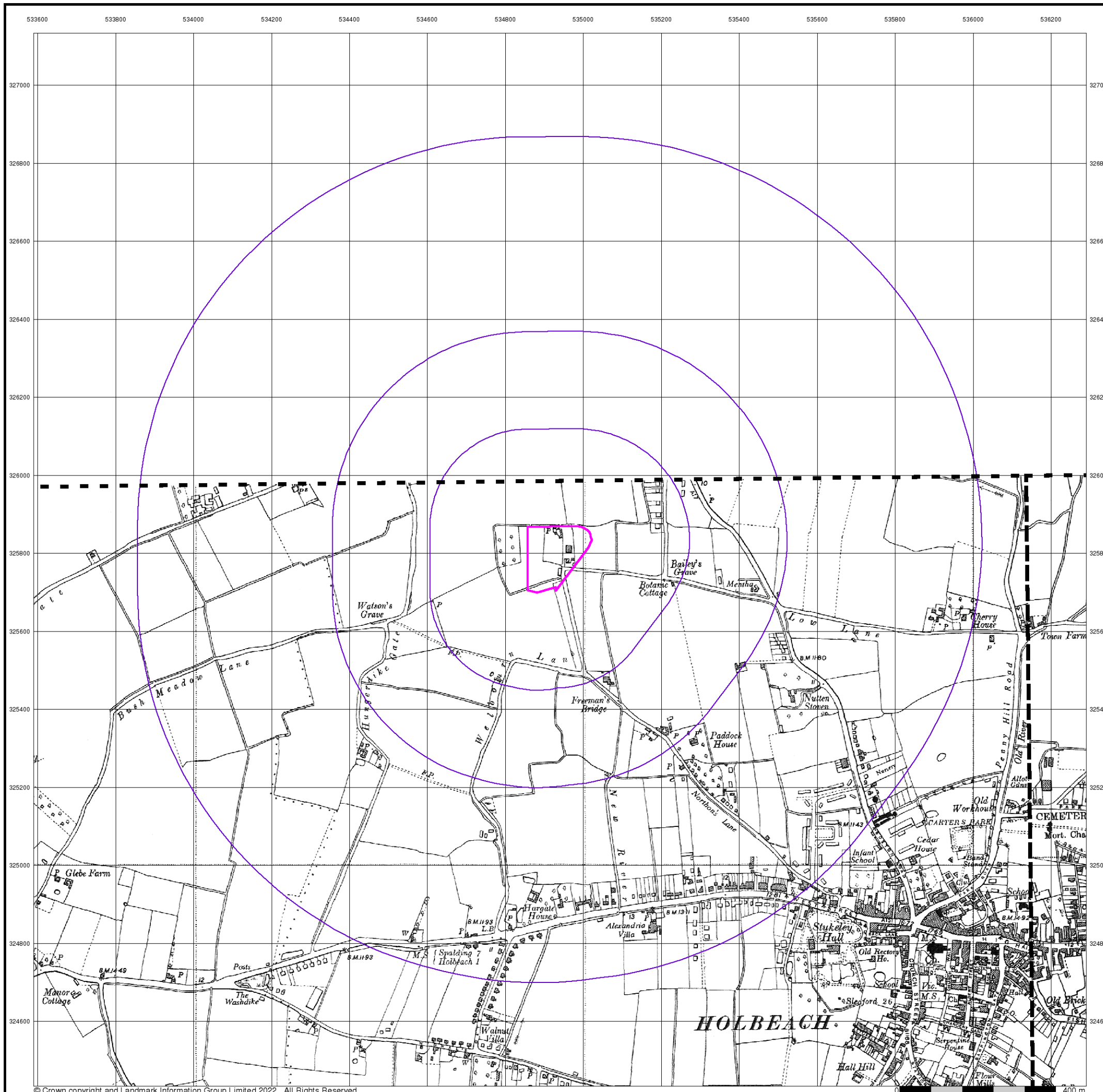


Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone., Holbeach, SPALDING, PE12 7BF



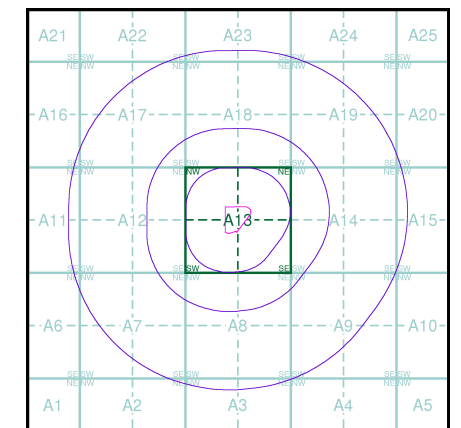
Ordnance Survey Plan
Published 1956 - 1959
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF32NW	TF32NE
1956	1956
1:10,560	1:10,560
TF32SW	TF32SE
1958	1959
1:10,560	1:10,560

Historical Map - Slice A

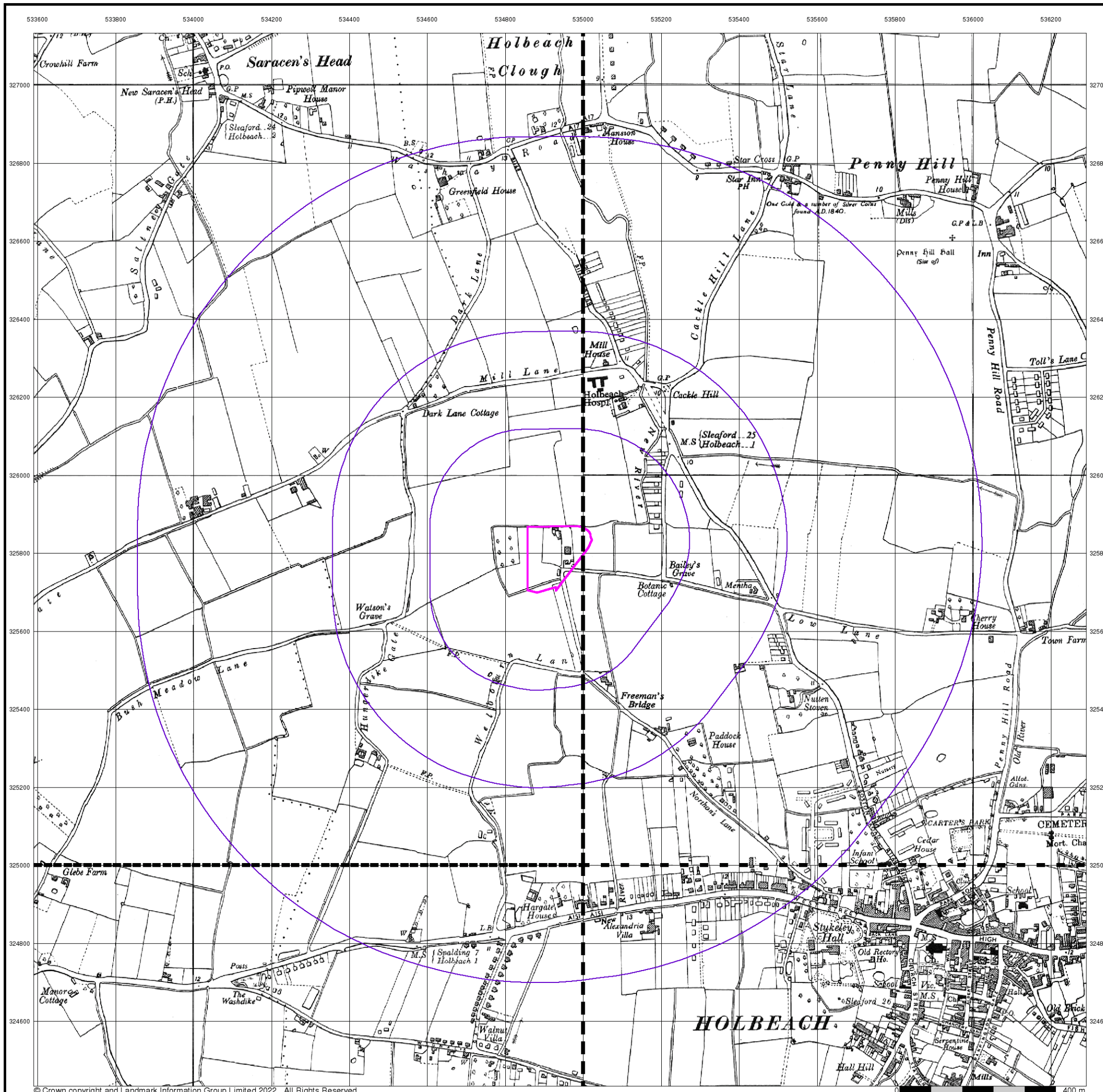


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Site Details

Holbeach Food Enterprise Zone., Holbeach, SPALDING, PE12 7BF



Ordnance Survey Plan

Published 1970 - 1977

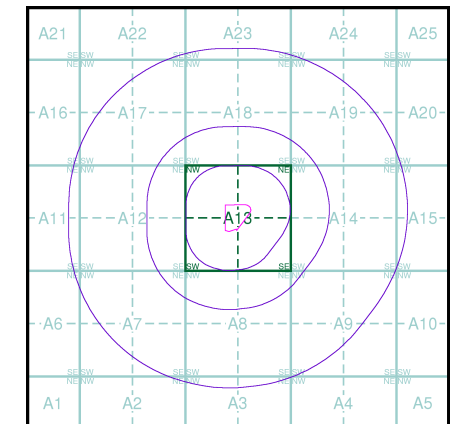
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF32NW	TF32NE
1977	1977
1:10,000	1:10,000
TF32SW	TF32SE
1971	1970
1:10,000	1:10,000

Historical Map - Slice A

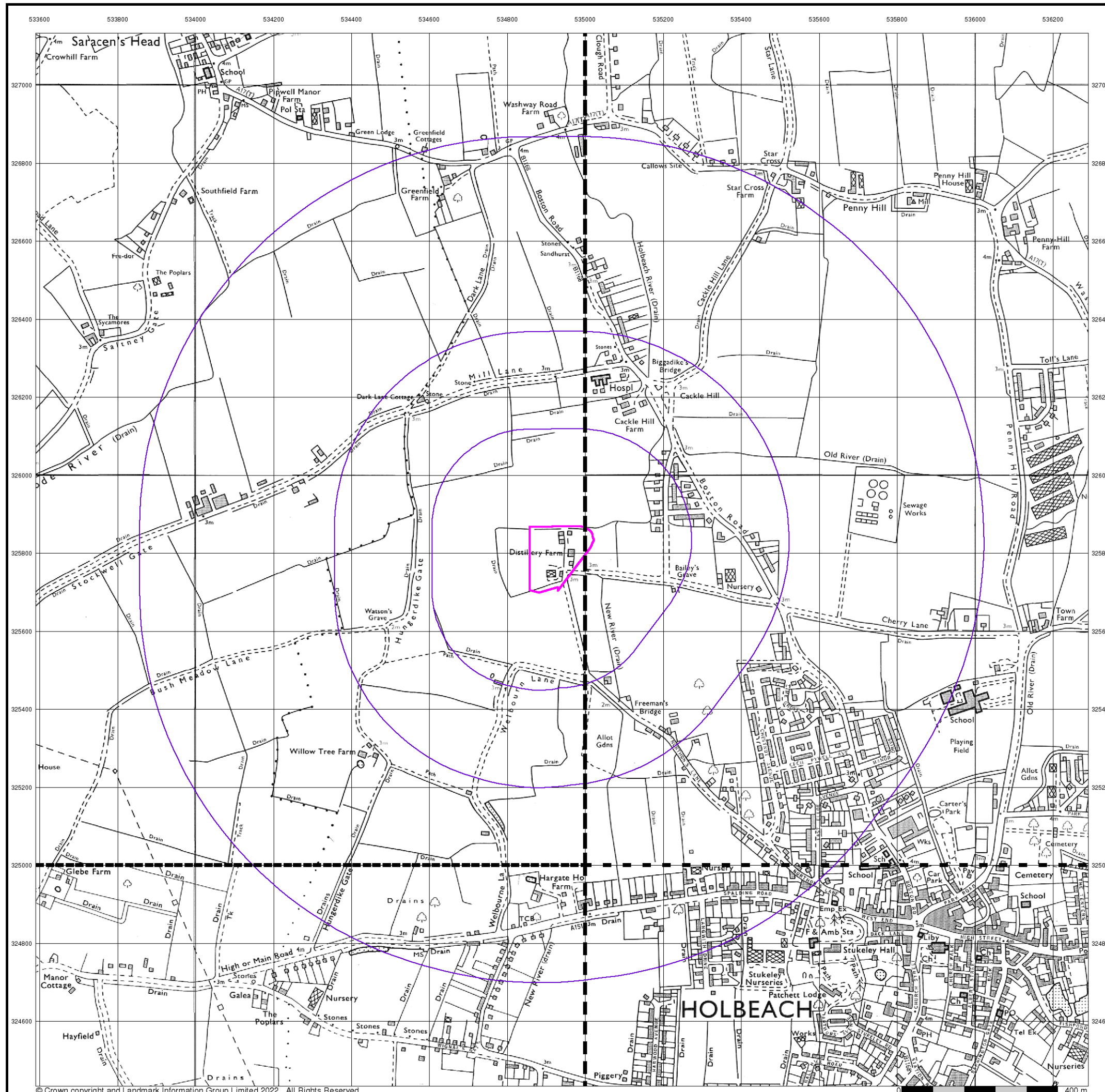


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Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone., Holbeach, SPALDING, PE12 7BF



Ordnance Survey Plan

Published 1992

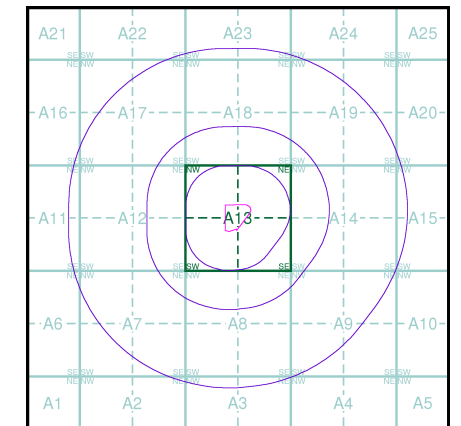
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF32NW	TF32NE
1992	1992
1:10,000	1:10,000
TF32SW	TF32SE
1992	1992
1:10,000	1:10,000

Historical Map - Slice A

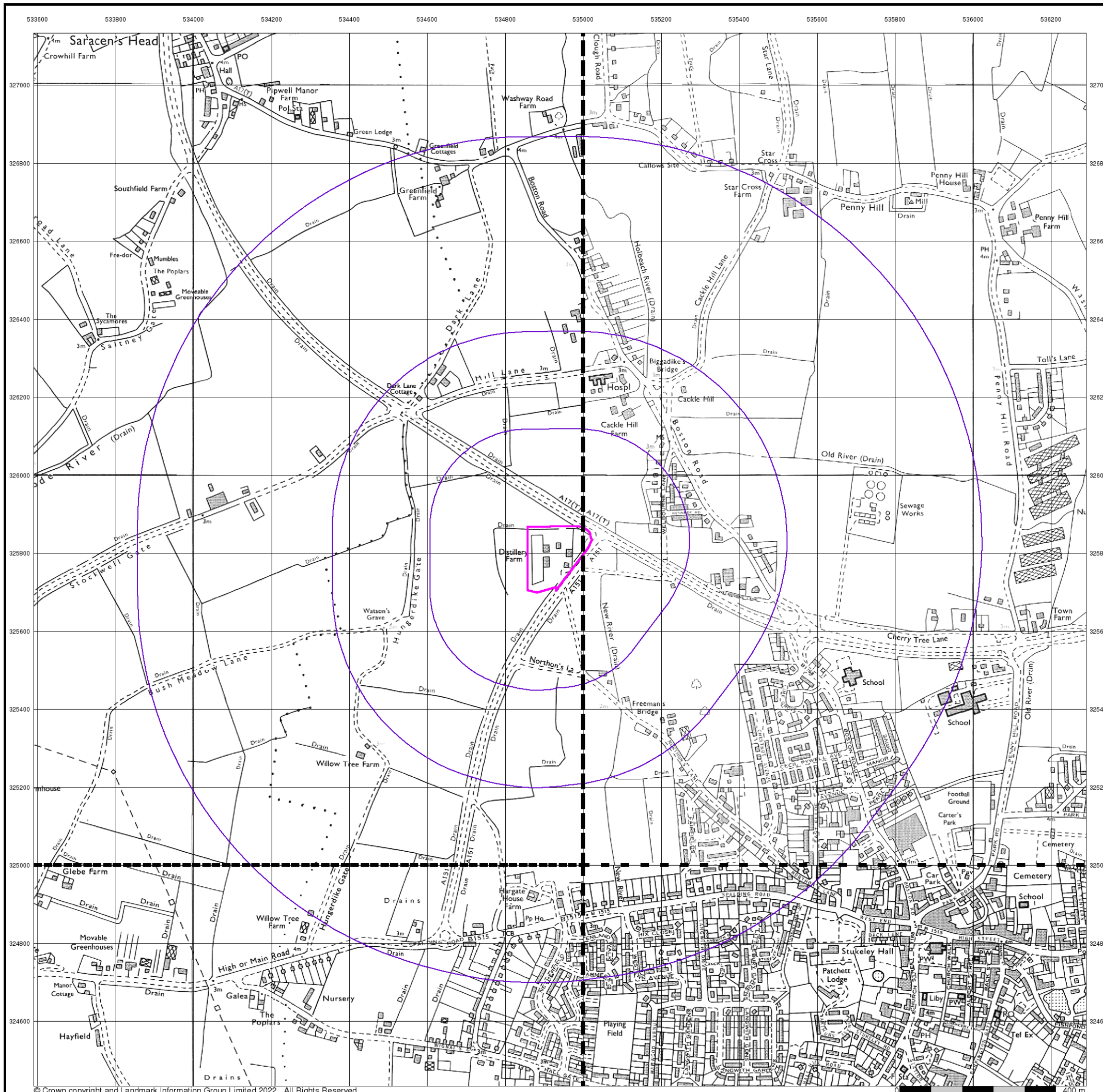


Order Details

Order Number: 304605137_1_1
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 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone., Holbeach, SPALDING, PE12 7BF



10k Raster Mapping

Published 2000

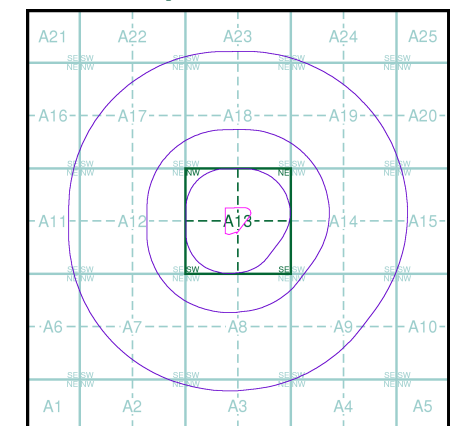
Source map scale - 1:10,000

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)

TF32NW 2000 1:10,000	TF32NE 2000 1:10,000
TF32SW 2000 1:10,000	TF32SE 2000 1:10,000

Historical Map - Slice A

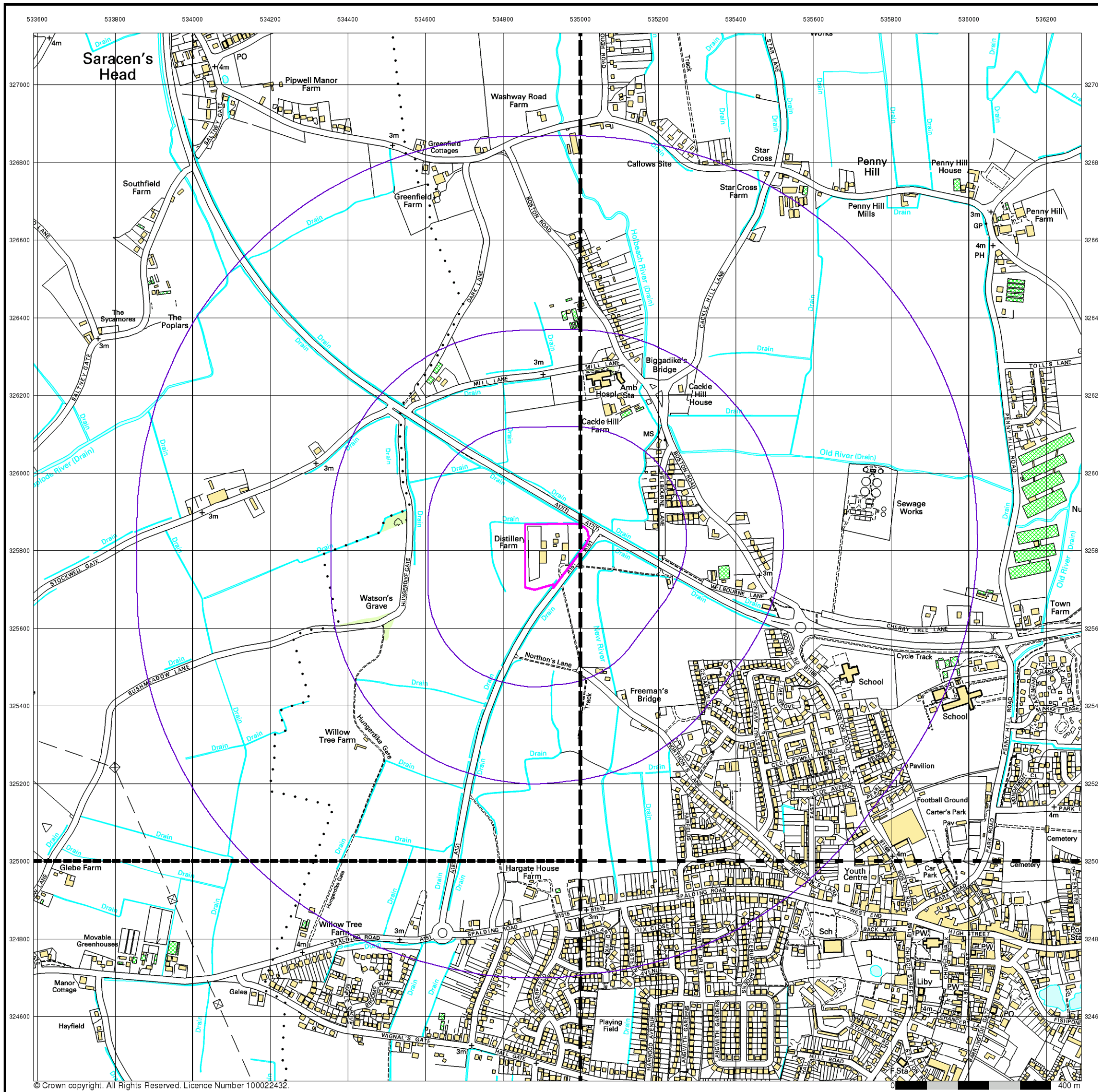


Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone., Holbeach, SPALDING, PE12 7BF



10k Raster Mapping

Published 2006

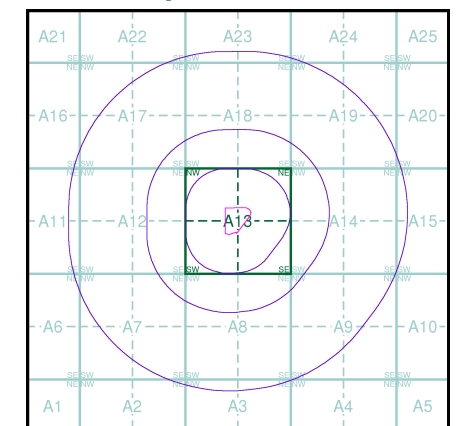
Source map scale - 1:10,000

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)

TF32NW 2006 1:10,000	TF32NE 2006 1:10,000
TF32SW 2006 1:10,000	TF32SE 2006 1:10,000

Historical Map - Slice A

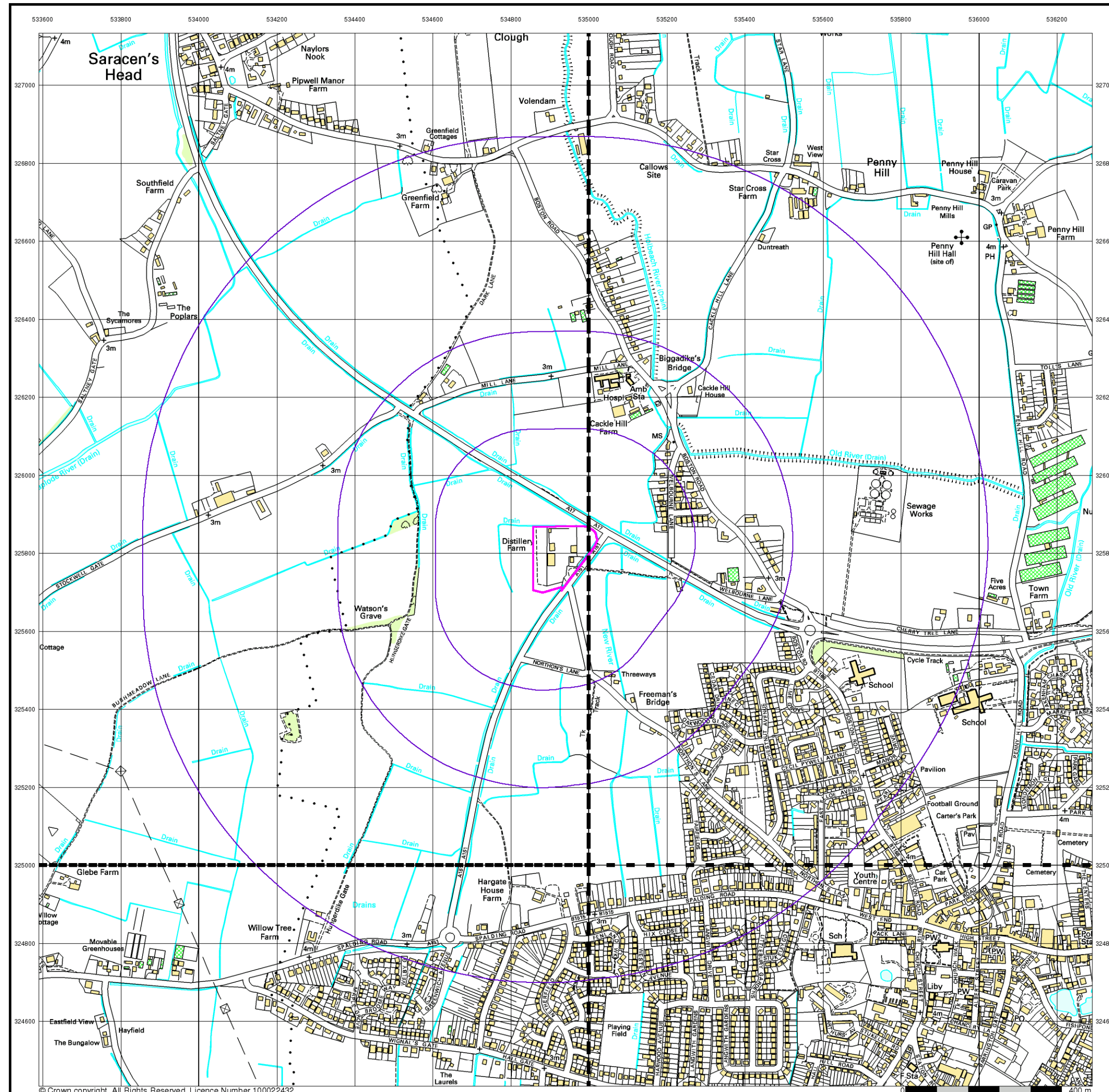


Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone., Holbeach, SPALDING, PE12 7BF



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VectorMap Local

Published 2022

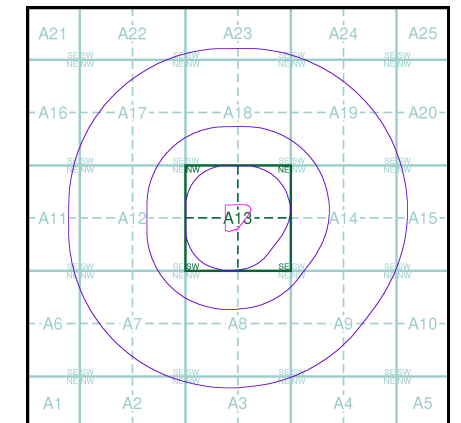
Source map scale - 1:10,000

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)

TF32NW 2022 Variable	TF32NE 2022 Variable
TF32SW 2022 Variable	TF32SE 2022 Variable

Historical Map - Slice A

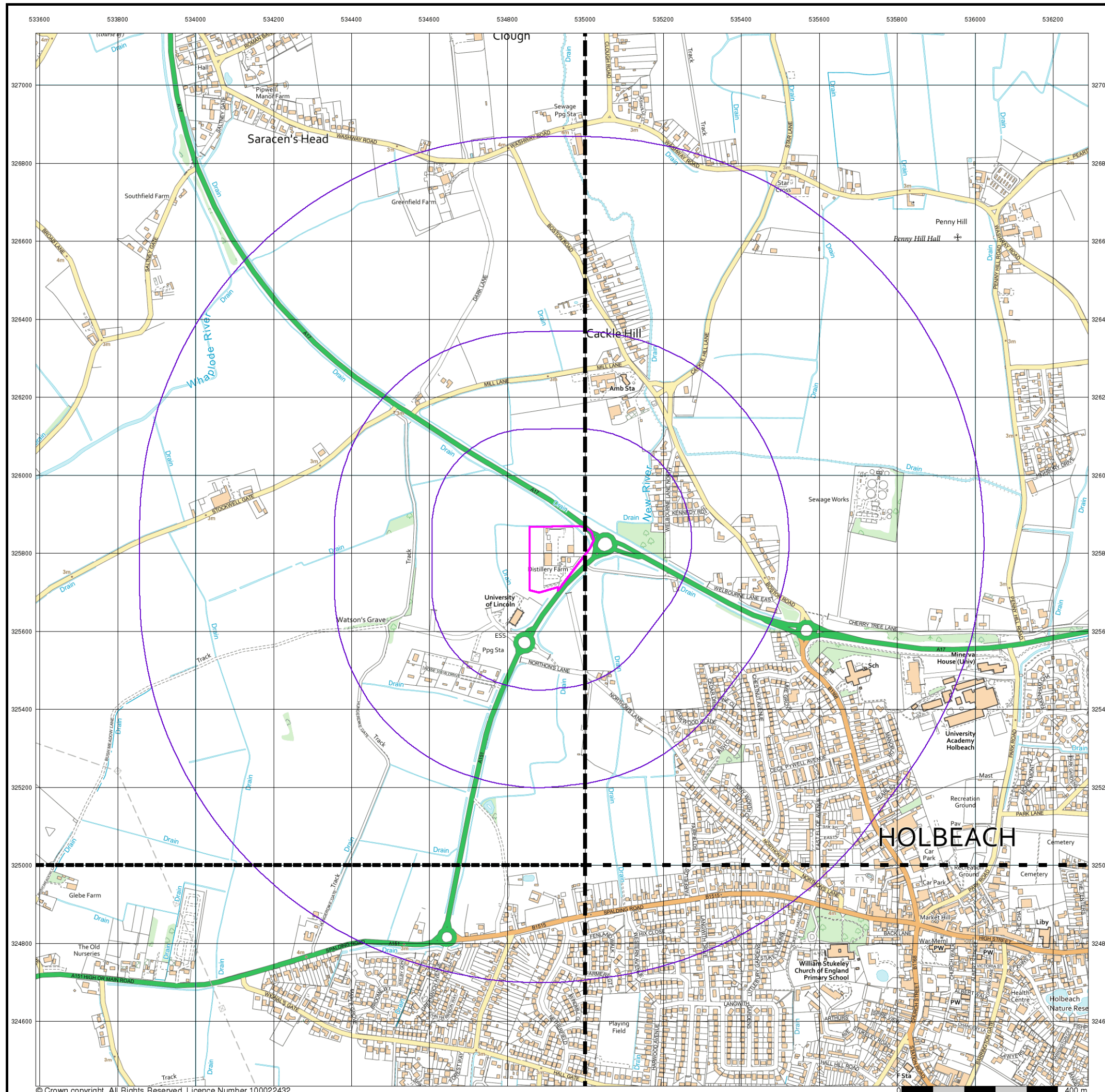


Order Details

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 Customer Ref: 89647.550348
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 Slice: A
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 Search Buffer (m): 1000

Site Details

Holbeach Food Enterprise Zone., Holbeach, SPALDING, PE12 7BF



Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS 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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH Beer House **P** Pillar, Pole or Post
BP, BS Boundary Post or Stone **PO** Post Office
Cn, C Capstan, Crane **PC** Public Convenience
Chy Chimney **PH** Public House
D Fn Drinking Fountain **Pp** Pump
EI P Electricity Pillar or Post **SB, S Br** Signal Box or Bridge
FAP Fire Alarm Pillar **SP, SL** Signal Post or Light
FB Foot Bridge **Spr** Spring
GP Guide Post **Tk** Tank or Track
H Hydrant or Hydraulic **TCB** Telephone Call Box
LC Level Crossing **TCP** Telephone Call Post
MH Manhole **Tr** Trough
MP Mile Post or Mooring Post **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

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

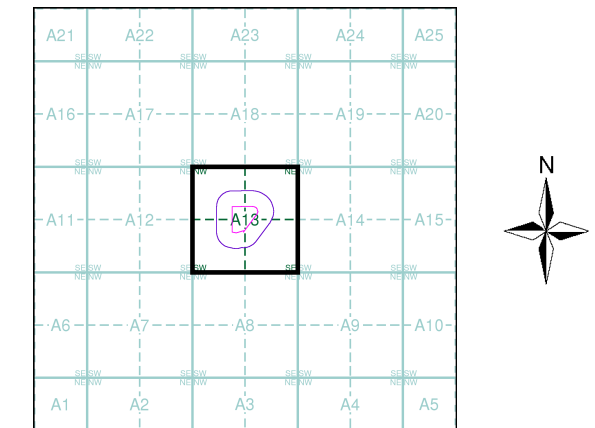
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m Bench Mark **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks Barracks **P** Pillar, Pole or Post
Bty Battery **PO** Post Office
Cemy Cemetery **PC** Public Convenience
Chy Chimney **Pp** Pump
Cis Cistern **Ppg Sta** Pumping Station
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1904	3
Lincolnshire	1:2,500	1931	4
Ordnance Survey Plan	1:2,500	1969 - 1970	5
Supply of Unpublished Survey Information	1:2,500	1976	6
Additional SIMs	1:2,500	1977 - 1991	7
Additional SIMs	1:2,500	1982 - 1991	8
Additional SIMs	1:2,500	1992	9
Large-Scale National Grid Data	1:2,500	1995	10
Historical Aerial Photography	1:2,500	1999	11

Historical Map - Segment A13



Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 100

Site Details

Holbeach Food Enterprise Zone, Holbeach, SPALDING, PE12 7BF



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

Lincolnshire
Published 1888

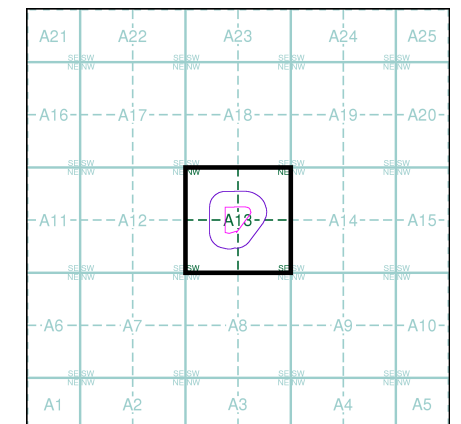
Source map scale - 1:2,500

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)

135_06
1888
1:2,500
135_10
1888
1:2,500

Historical Map - Segment A13

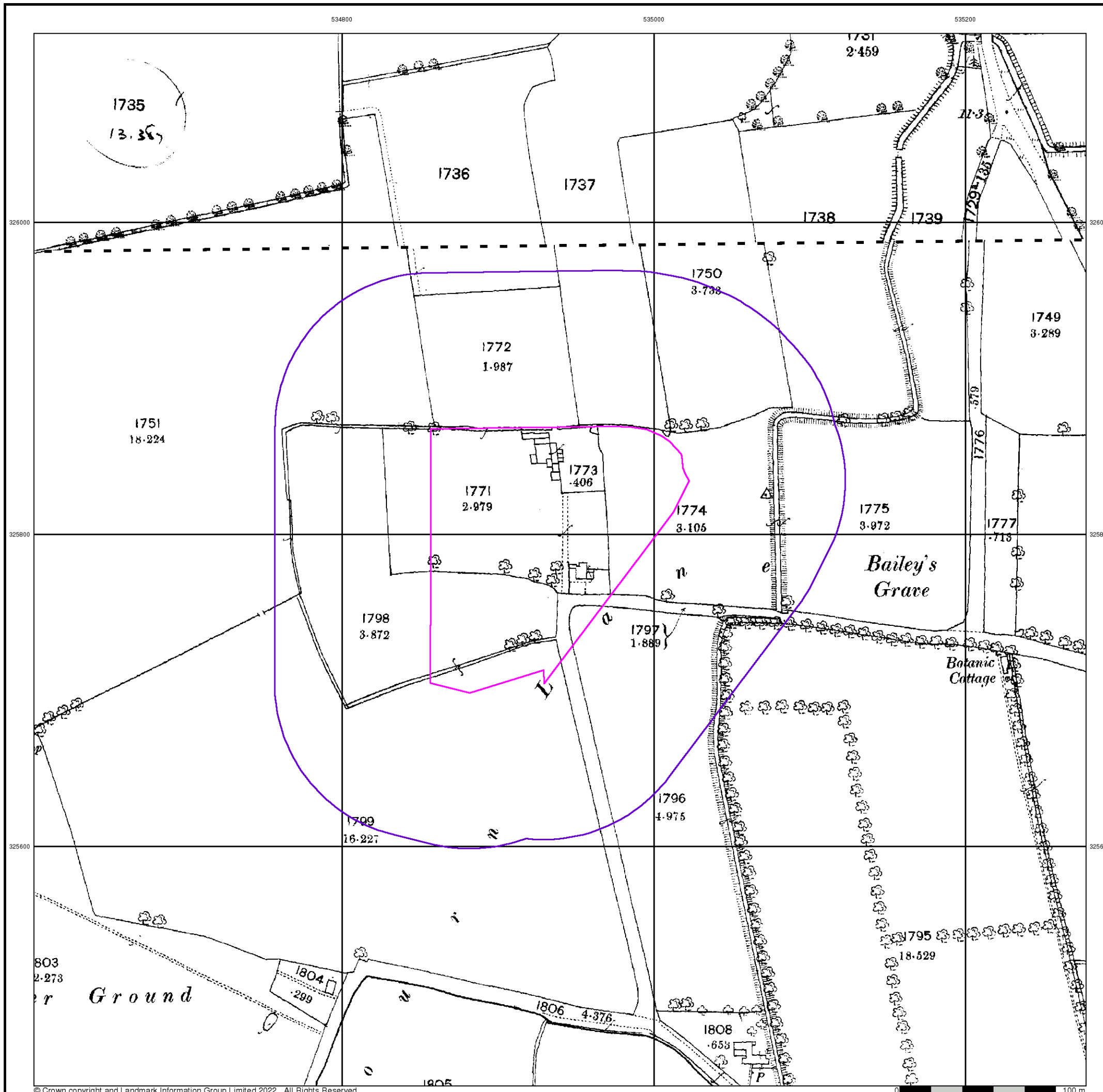


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Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF



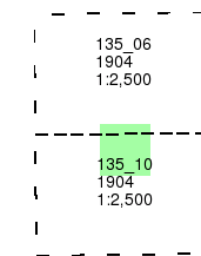
Lincolnshire

Published 1904

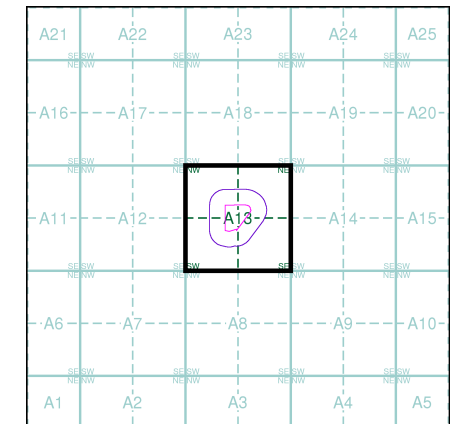
Source map scale - 1:2,500

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

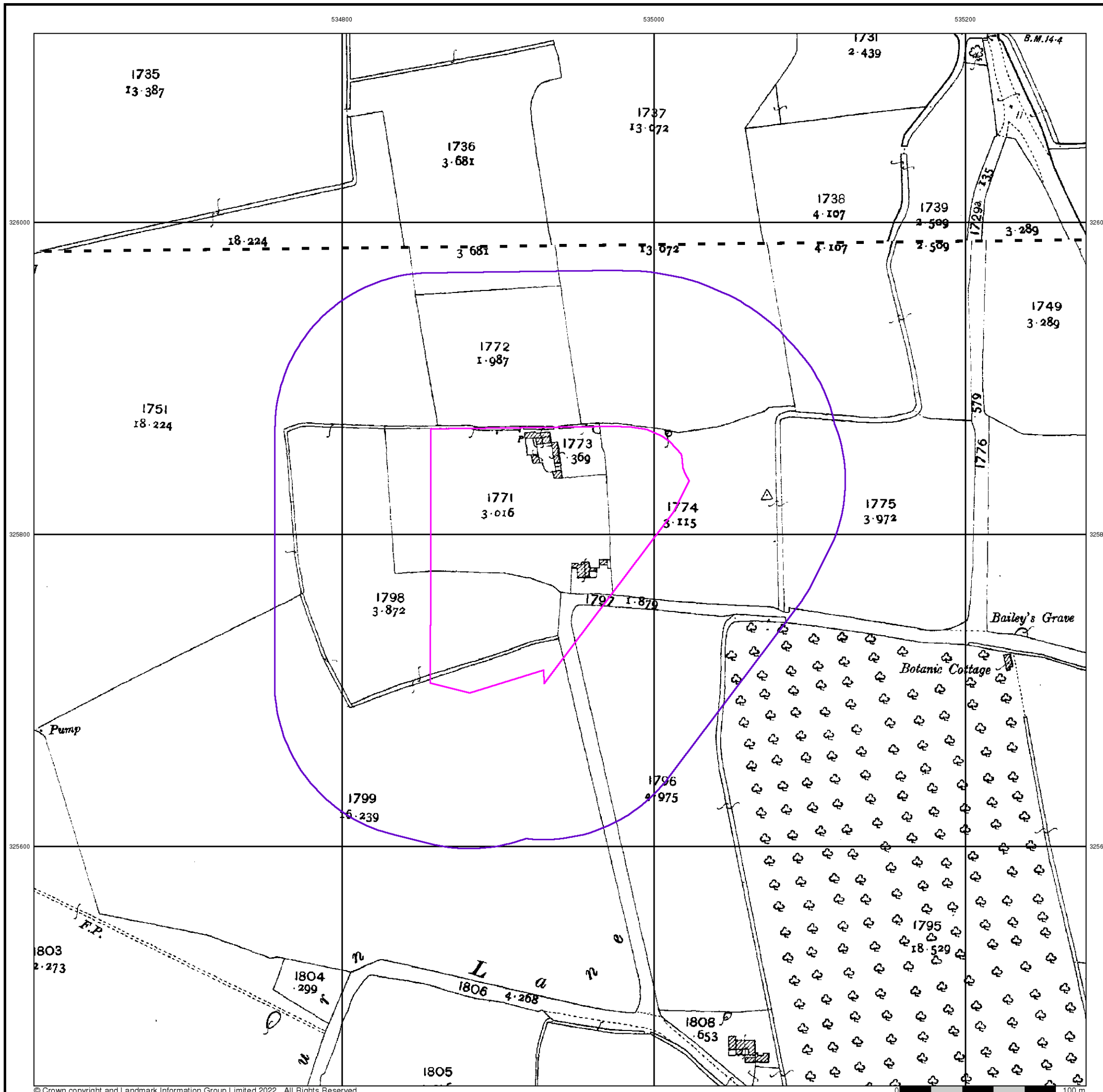


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Site Details

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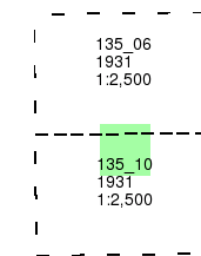
Lincolnshire

Published 1931

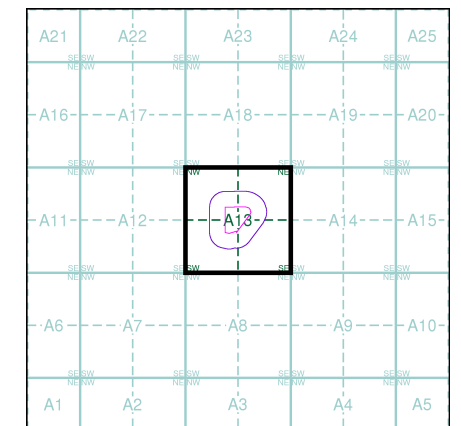
Source map scale - 1:2,500

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

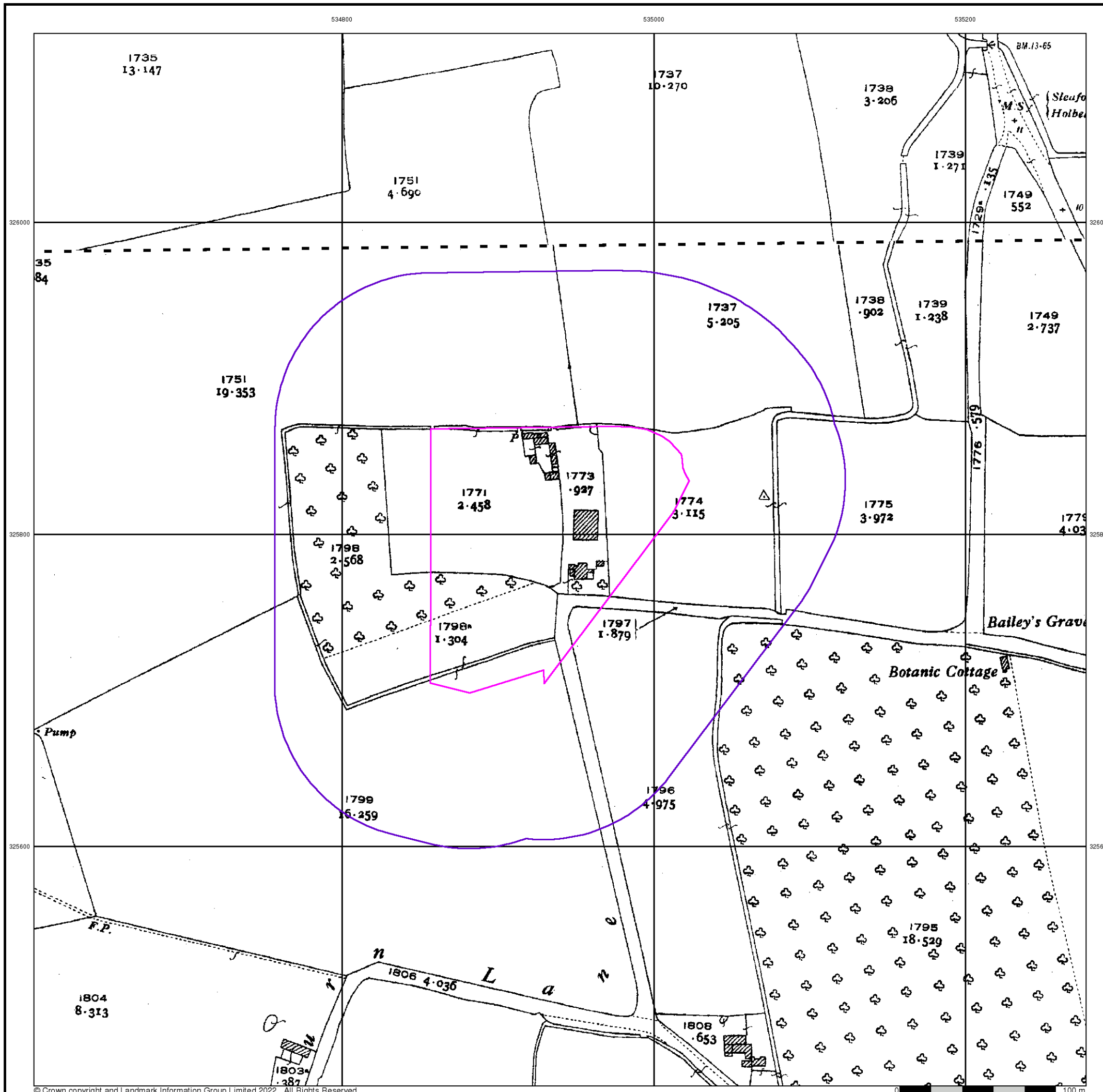


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Site Details

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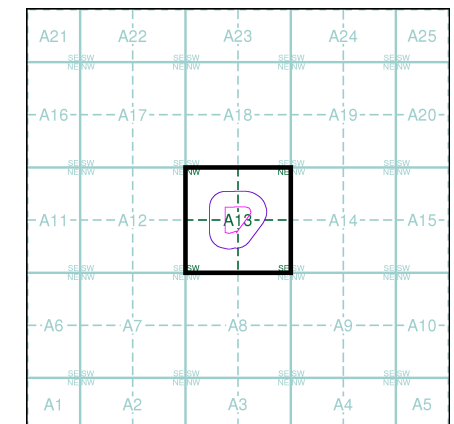
Ordnance Survey Plan
Published 1969 - 1970
Source map scale - 1:2,500

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)

TF3426 1970 12,500	TF3526 1970 12,500
TF3425 1969 12,500	TF3525 1969 12,500

Historical Map - Segment A13

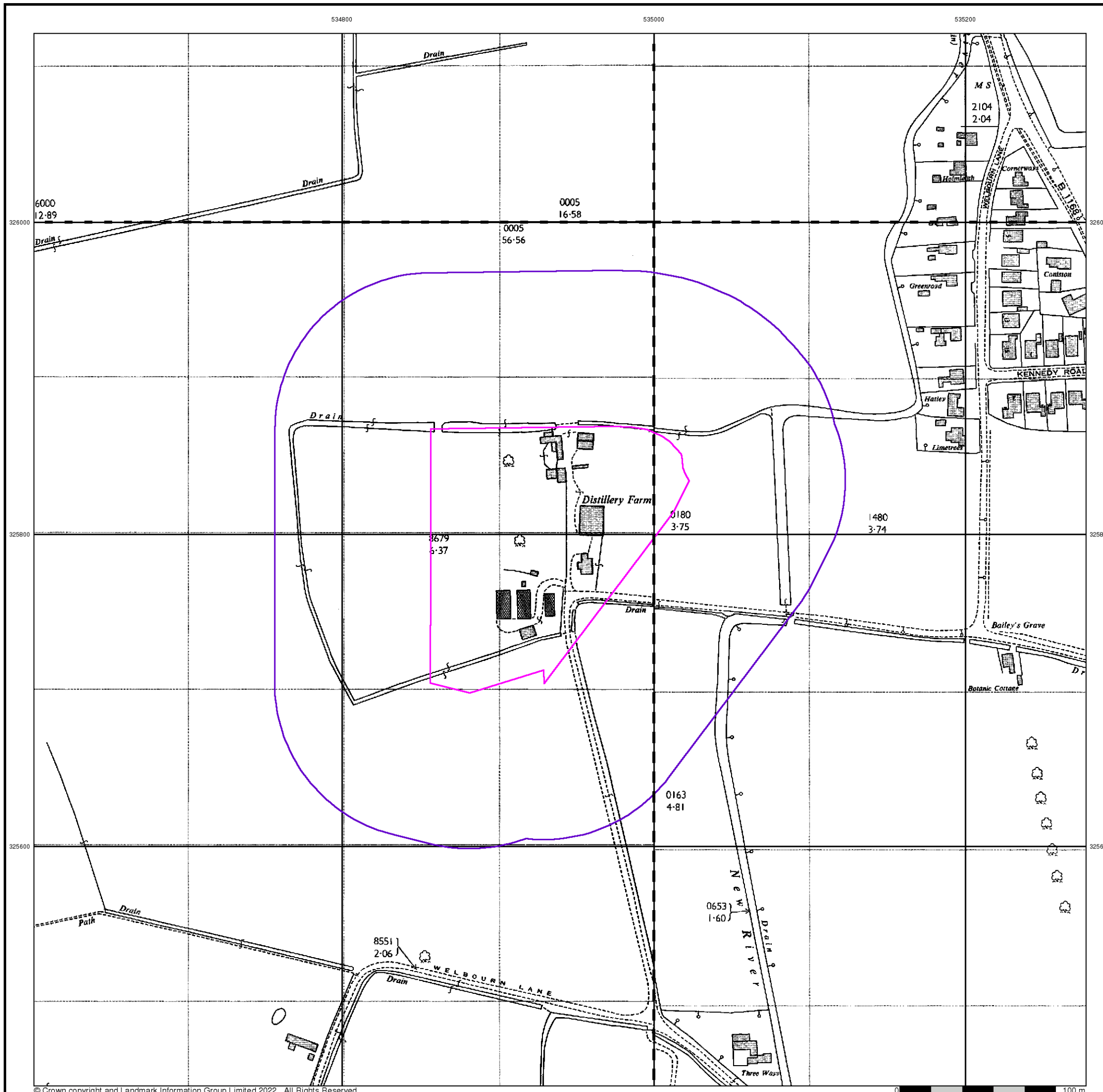


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Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF



Supply of Unpublished Survey Information

Published 1976

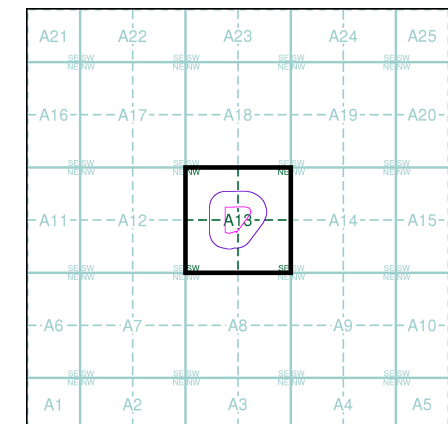
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TF3426 1976 1:2,500	TF3526 1976 1:2,500
	TF3525 1976 1:2,500

Historical Map - Segment A13



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Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF



Additional SIMs

Published 1977 - 1991

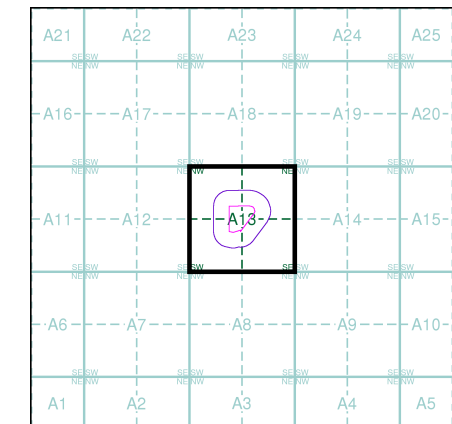
Source map scale - 1:2,500

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)

TF3426	TF3526
1991	1984
12,500	12,500
TF3425	TF3525
1991	1977
12,500	12,500

Historical Map - Segment A13



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Site Details

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Additional SIMs

Published 1982 - 1991

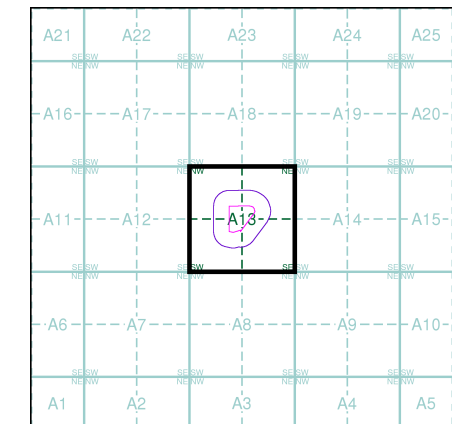
Source map scale - 1:2,500

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)

TF3526	1991	1:2,500
TF3525	1982	1:2,500

Historical Map - Segment A13

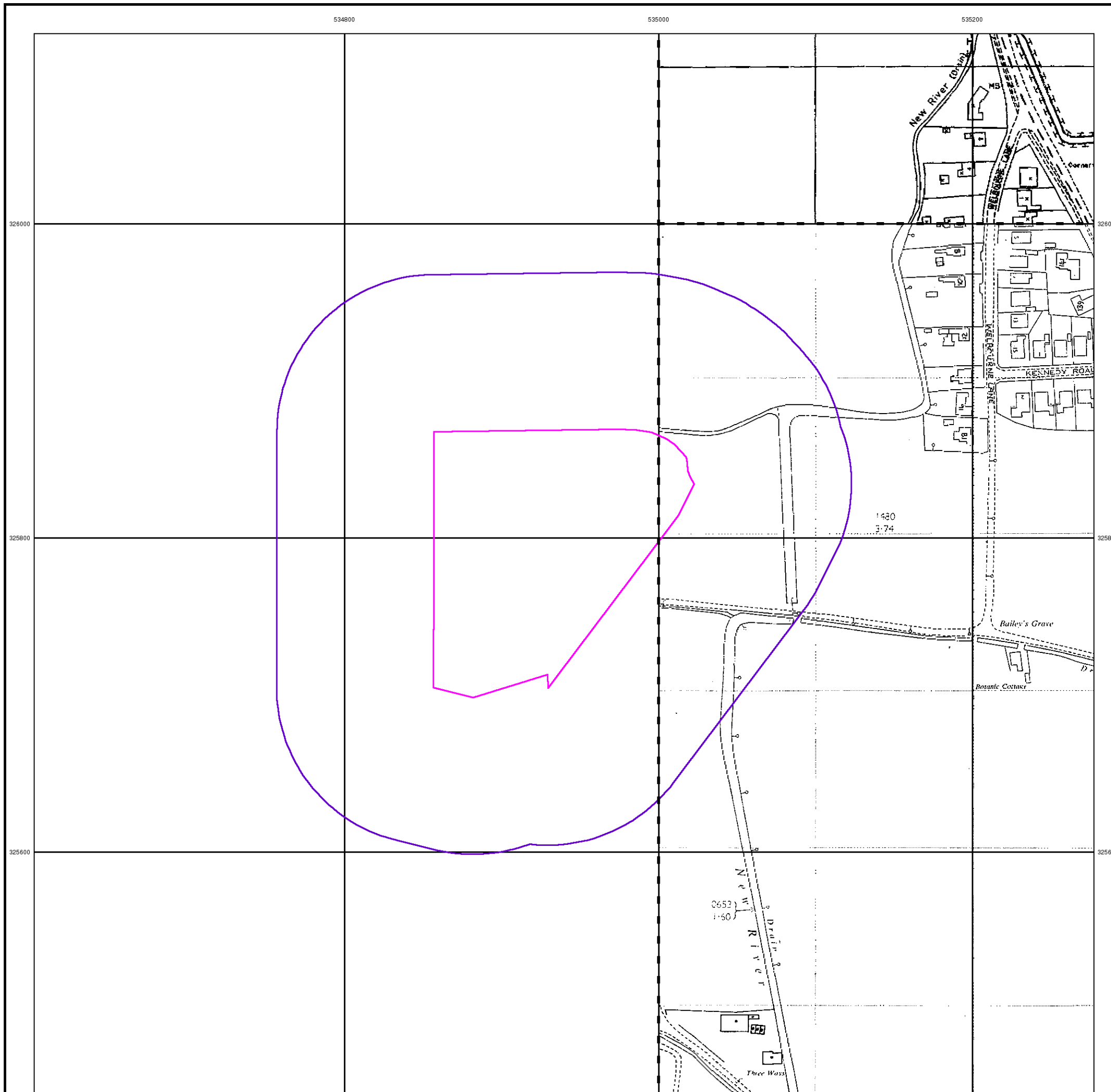


Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 100

Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF



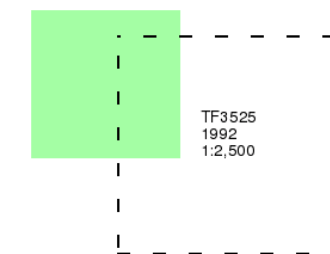
Additional SIMs

Published 1992

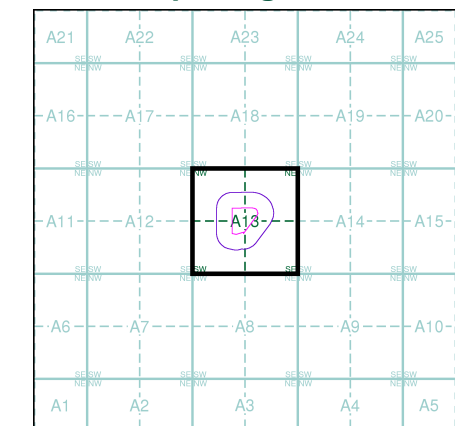
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

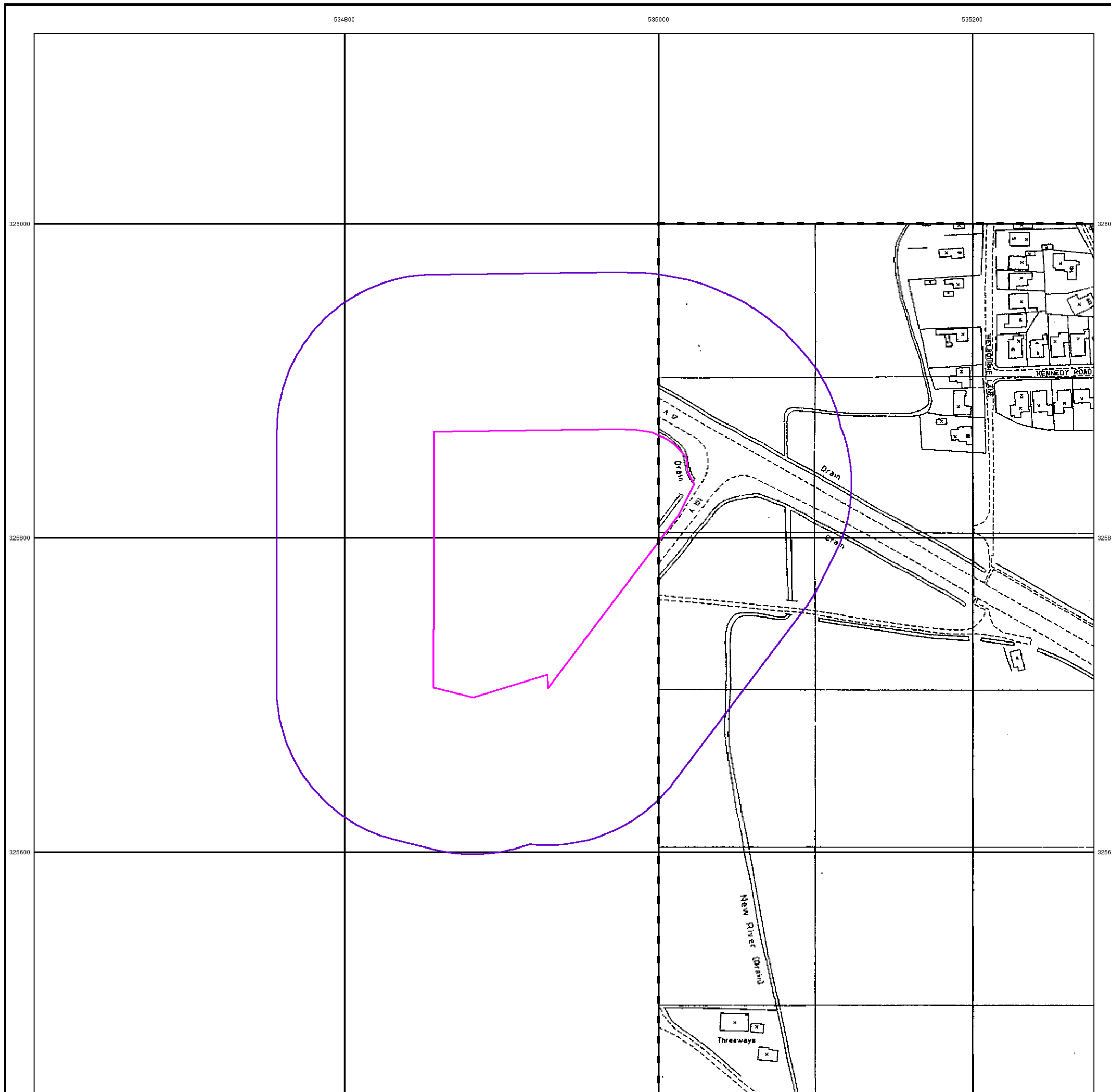


Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
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 Slice: A
 Site Area (Ha): 2.12
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Site Details

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Large-Scale National Grid Data

Published 1995

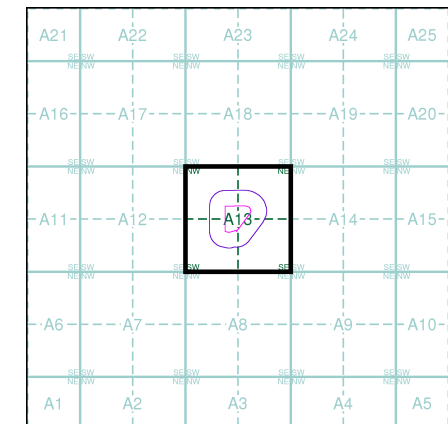
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TF3426	TF3526
1995	1995
12,500	12,500
TF3425	TF3525
1995	1995
12,500	12,500

Historical Map - Segment A13

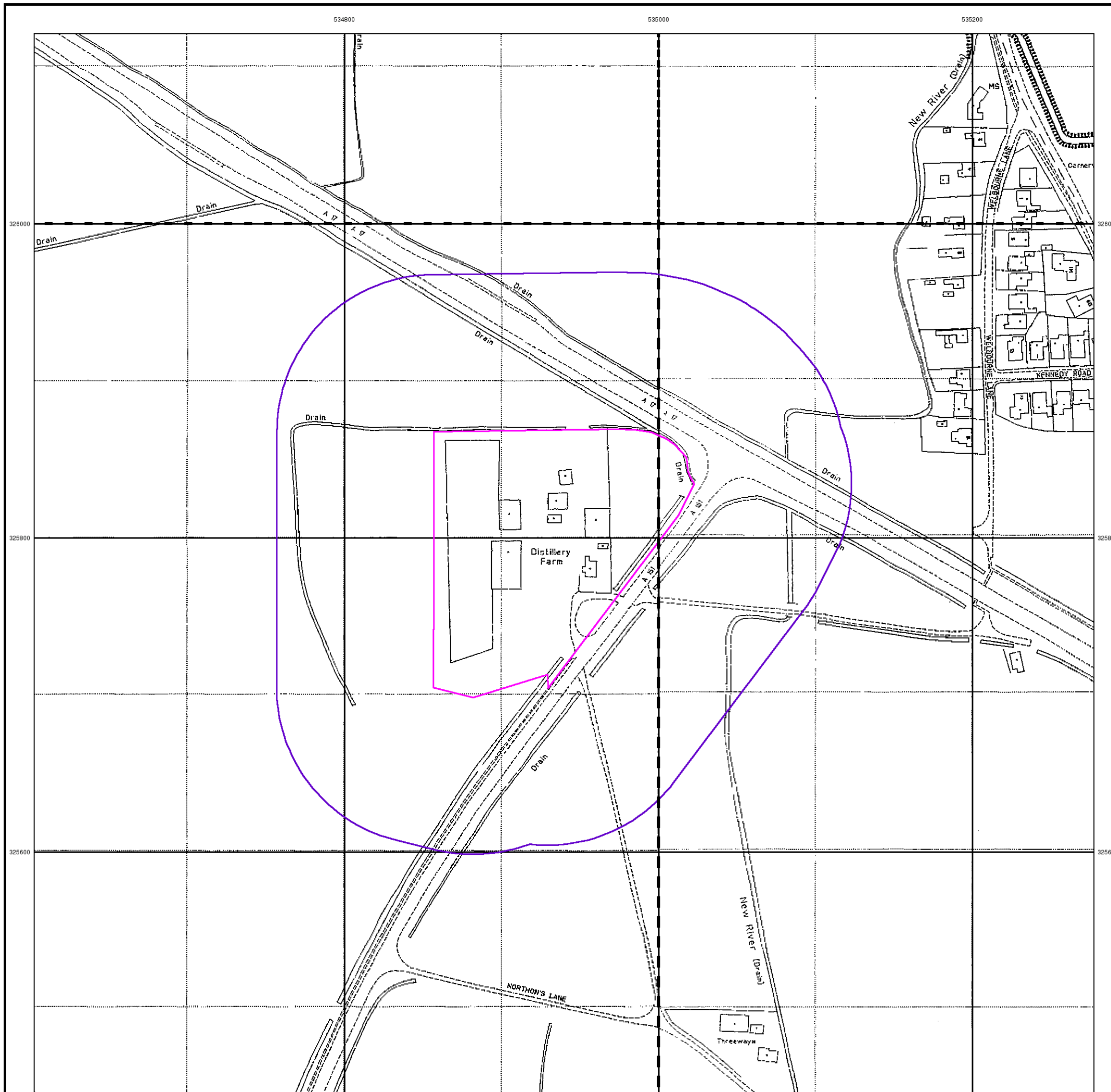


Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 100

Site Details

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534800

535000

535200



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

326000

326000

325800

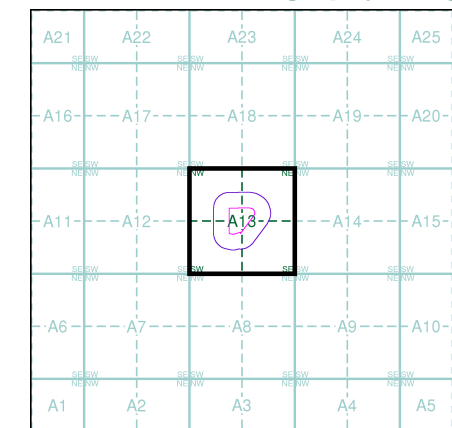
325800

325600

325600



Historical Aerial Photography - Segment A13



Order Details

Order Number: 304605137_1_1
 Customer Ref: 89647.550348
 National Grid Reference: 534920, 325800
 Slice: A
 Site Area (Ha): 2.12
 Search Buffer (m): 100

Site Details

Holbeach Food Enterprise Zone,, Holbeach, SPALDING, PE12 7BF



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Preliminary Geo-Environmental Risk Assessment
Holbeach Food Enterprise Zone, Holbeach, Spalding, PE12 7BF
Delta-Simons Project Number 89647.550348