



**Land Adjacent Four Acres, Beck Bank, West Pinchbeck, Spalding**  
Phase 1 Desk Study

Report on behalf of:  
Highgrove Homes Ltd.

February 2022

Final Report

R22007



**Issued by:**

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**Client:**

Highgrove Homes Ltd.

**Project:**

Land Adjacent Four Acres, Beck Bank, West Pinchbeck, Spalding

**Title:**

Phase I Desk Study

**Status:**

Final Report

**Date:**

February 2022

**Document Production Record**

| Issue Number: | Name                           | Signature                                                                             |
|---------------|--------------------------------|---------------------------------------------------------------------------------------|
| 2             | Steve Woodall (BSc FGS MCIWEM) |  |

**Document Revision Record**

| Issue number | Date     | Revision Details           |
|--------------|----------|----------------------------|
| 1            | 23/02/22 | Original issue             |
| 2            | 28/02/22 | Amendment following review |

Grange GeoConsulting Limited has prepared this report in accordance with the instructions of the Client, Highgrove Homes Ltd. for their sole and specific use. Any third parties who may use the information contained herein do so at their own risk.

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## EXECUTIVE SUMMARY

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Purpose of this report</b> | Phase 1 Desk Study                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Client</b>                 | Highgrove Homes Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Site name</b>              | Land Adjacent Four Acres, Beck Bank, West Pinchbeck.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Site Location</b>          | The site is irregular in shape and occupies an area of approximately 0.3 hectares. The site is located approximately 2.0km north of West Pinchbeck village centre, and 4.4km west of the town of Pinchbeck. The approximate postcode for the site is PE11 3QN, and the approximate National Grid Reference is 519560, 326390.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Current Land Use</b>       | At the time of the investigation, two single storey structures of corrugated metal and cement sheet construction occupied the south-western corner of the site, set around a small concrete yard area/driveway with access from Beck Bank to the west. The remainder of the site was occupied by open ground and low vegetation (shrubs, grass, tree branches and stumps).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Proposed Development</b>   | It is understood that the development works will comprise the demolition of all existing on-site infrastructure, a 'site-strip' (resulting in the removal of approximately 200mm-300mm of the existing substrate), and the construction of four detached residential properties, with associated garden areas, and a new private drive which will allow vehicular access from Beck Bank.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Site History</b>           | An OS map of the area dated 1887 shows the majority of the site to be occupied by undeveloped open ground, possibly under agricultural use. The central and eastern sections of the site formed part of a large parcel of land which extended off-site to the east. The margins of this area were delineated by a series of interconnected drainage ditches. One of these ditches was shown within the current site boundary. The area west of the ditch formed part of a garden associated with a residential property located immediately beyond the western site boundary. The north-western corner of the site appeared to remain wooded until around 1904, at which time the area had been cleared. No significant changes were noted at the site until the 1980's, when it is understood that the drainage ditch was infilled, and the existing buildings constructed. No further changes have been recorded since this time, however it is considered unlikely that the east of the site was under formal agricultural use after the 1980's redevelopment.                                                                                                                                       |
| <b>Unexploded Ordnance</b>    | The Zetica UXB map for the site indicates that the site is in an area with a low bomb risk. This is likely due to the predominantly rural setting, and a lack of potential targets of strategic importance noted by Zetica within 1km. Whilst considered prudent, further action to mitigate the risk from UXO is not considered necessary by Zetica.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Geology and Radon</b>      | <p>Whilst worked or artificial ground has not been identified by Envirocheck at or in the immediate vicinity of the site, due to its development history, it is considered possible that nominal thicknesses of Made Ground may be present across the site. The infilling of the former drainage ditch may have resulted in the localised presence of artificial/Made Ground.</p> <p>The British Geological Survey (BGS) indicates the site to be underlain by superficial Tidal Flat deposits of Quaternary age. Strata from this unit are typically described as consolidated soft silty Clay, containing layers of sand, gravel, and peat. The bedrock underlying the site is recorded to comprise strata from the Oxford Clay Formation. Strata from the Oxford Clay Formation are typically described as grey, slightly silty silicate mudstones, with sporadic beds of argillaceous limestone nodules.</p> <p>The site is within a Lower Probability Radon Area (with less than 1% of homes estimated to be at or above the Action Level). The Envirocheck report indicates that radon protection measures are unlikely to be required in the construction of new homes or buildings on site.</p> |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Mining and Mineral Extraction</b> | <p>The site is listed within the Envirocheck Report as being within an area that 'might not be affected by coal mining'. No further investigation has therefore been undertaken with respect to coal mining as part of the current investigation.</p> <p>According to Envirocheck, no hazards associated with 'non-coal' mining have been identified within the vicinity of the site. No BGS recorded mineral sites have been identified by Envirocheck within 500m.</p> <p>No man-made or natural cavities have been recorded by Envirocheck within 500m of the site.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Hydrogeology</b>                  | <p>The superficial (Tidal Flat Deposits) and bedrock deposits (Oxford Clay Formation) which are recorded to underlie the site have been classified as unproductive units.</p> <p>One groundwater discharge consent has been recorded by Envirocheck within 250m of the site. This consent was associated with the discharge of an unknown/unrecorded effluent type from a domestic property located 229m west of the site. The authorisation was revoked on 1<sup>st</sup> October 1996.</p> <p>No groundwater abstraction consents have been recorded by Envirocheck within 250m of the site.</p> <p>The site is not located within a groundwater Source Protection Zone (SPZ). No groundwater SPZs are recorded within 500m of the site.</p> <p>No Water Industry Act referrals have been recorded with respect to groundwater discharges within 1km.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Hydrology</b>                     | <p>The closest surface water feature recorded by Envirocheck is situated approximately 5m north-east of the site. This feature comprises an un-named artificial drainage ditch (field drainage) which flows eastward away from the site, eventually entering the River Glen approximately 3.5km to the east. An artificial channel (Graft Drain) is situated approximately 50m south of the site. Hammond Beck, a channelised watercourse, is situated approximately 126m north of the site. Hammond Beck flows northward, alongside Beck Bank, eventually flowing into the South Forty Foot Drain approximately 17km north of the site. The adjacent drainage ditch and Hammond Beck are understood to be ephemeral, remaining dry throughout parts of the year.</p> <p>No surface water abstraction consents have been recorded within 250m of the site.</p> <p>Fourteen surface water discharge consents have been recorded by Envirocheck within 250m of the site. The closest is recorded approximately 22m west of the site. Each of these consents are/were held by individual domestic properties, enabling the discharge of final/treated effluent. Thirteen of the consents are recorded to remain active.</p> <p>No Integrated Pollution Control (IPC) Local Authority Pollution Prevention Control (LAPPC) or Integrated Pollution Prevention and Control (IPPC) consents have been issued within 500m of the site.</p> <p>Two pollution incidents have been recorded by Envirocheck within 500m of the site. Miscellaneous natural contaminants were released to Graft Drain approximately 51m and 56m south of the site on the 20<sup>th</sup> and 21<sup>st</sup> of July 1994 respectively. These incidents resulted in low dissolved oxygen concentrations within the watercourse, and were classified by the Environment Agency as Category 3 (minor).</p> <p>The site is not located within a surface water Source Protection Zone (SPZ). No surface water SPZs are recorded within 500m of the site.</p> |
| <b>Flood Risk</b>                    | <p>No information regarding groundwater flooding susceptibility at the site has been provided within the Envirocheck report.</p> <p>The site is located within Flood Zones 2 and 3 and is therefore recorded to be at risk of flooding from rivers (without the benefit of flood defences). The probability of flooding is</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|                                    | <p>recorded to be 1:100yrs or greater. The site does not benefit from flood defences and there are no flood water storage areas in the vicinity of the site.</p> <p>It is considered likely that a formal flood risk assessment will be required with respect to the proposed development.</p> <p>No further consideration of flood risk is given in this report. Specialist flood risk advice should be sought with regards to drainage and flooding.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Waste Management</b>            | <p>No historical landfill sites, licenced waste management facilities, or registered landfill sites have been recorded by Envirocheck within 500m of the site boundary.</p> <p>No registered waste treatment, transfer or disposal sites have been recorded by Envirocheck within 500m of the site.</p> <p>No records of explosive sites, planning hazardous substance consents or enforcements, Control of Major Accident Hazards (COMAH) or Notification of Installations Handling Hazardous Substances (NIHHS) sites have been identified within 1km of the site.</p> <p>No areas of potentially infilled land have been recorded within 250m of the site boundary.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Preliminary Risk Assessment</b> | <p>Based on historic and contemporary activity undertaken at, and in the area surrounding the site, the overall risk to human health from land contamination is considered <b>Moderate</b>. This designation is based on the proposed residential redevelopment of the site, and relates predominantly to issues associated with structural and ex-situ Asbestos Containing Materials (ACMs) during the demolition/construction phases.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Further Work</b>                | <p>It is considered that the risk to demolition/construction workers may be mitigated providing the following measures are followed during the proposed development works.</p> <ul style="list-style-type: none"> <li>• It is recommended that during any groundworks, appropriately licenced contractors should be appointed, PPE/RPE should be worn as necessary by groundworkers, and a safe system of work is established prior to commencement.</li> <li>• If not already undertaken, an asbestos survey should be carried out of the existing structures prior to demolition. Subsequent demolition works should be carried out by licensed and experienced contractors.</li> <li>• The ex-situ cement sheets identified during the Site Walkover should be appropriately collected (where stacked), carefully exposed and removed (where partially buried), and sent for appropriate off-site disposal. Suitably licensed and experienced contractors should be used to undertake these works.</li> <li>• As part of the site preparation works waste materials/artefacts present at the surface and embedded within the upper layers of the substrate should be removed from site for recycling/disposal at an appropriate facility.</li> <li>• A watching brief should be maintained for the presence of contamination throughout the duration of the proposed development. In particular, vigilance should be maintained for the presence of Asbestos Containing Materials (ACMs) during the site strip process.</li> <li>• Specialist contractors should be employed as necessary to advise on the management of unexpected contamination.</li> <li>• During the site strip it will be important to control the generation of dust. Consideration should be given to the use of dust suppression methods, should weather conditions favour dust generation.</li> <li>• On completion of the demolition and site strip process, it is recommended that a nominal programme of surface sampling be undertaken on the exposed/development substrate. Samples collected during this programme should be scheduled for an asbestos screen, to ensure that no fibres have been released during previous site use, or during the demolition phase.</li> </ul> <p>It is recommended that during the site strip efforts are made to identify the location and depth of the former drainage ditch, and that the composition of the infill material is confirmed. Should the infill material contain a significant organic component, and/or is</p> |

|  |                                                                                                                                                                                                                                                                                                          |
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|  | <p>recorded to significant depth, an additional ground gas risk assessment is likely to be required.</p> <p>Assuming these recommendations are followed, it is considered that the risk to demolition/construction workers (and the overall risk to the proposed development) may be reduced to Low.</p> |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

This Executive Summary forms part of Grange GeoConsulting Limited report number R22007/001 (Issue 1) and should not be used as a separate document.

## **1.0 INTRODUCTION**

### **1.1 Terms of Reference**

It is currently proposed by the Client, Highgrove Homes Ltd., to undertake redevelopment of a site located off Beck Bank, Northgate, approximately 2.0km north of West Pinchbeck village centre, and 4.4km west of Pinchbeck. The approximate postcode for the site is PE11 3QN, and the approximate National Grid Reference is 519560, 326390. A Site Location Plan (Drawing R22007-DWG1) is presented in Appendix A.

The site is irregular in shape, and occupies an area of approximately 0.3 hectares (3,000m<sup>2</sup>).

At the time of the investigation, two single storey structures of corrugated metal and cement sheet construction occupied the south-western corner of the site, set around a small concrete yard area/driveway with vehicular access from Beck Bank to the west. At the time of the investigation this access point had been secured using mesh fencing. The remainder of the site was occupied by open ground and low vegetation (shrubs, grass, tree branches, and stumps) following recent vegetation clearance works.

Further information regarding the various sections of the site at the time of the investigation is presented in Section 2.2 of this report.

It is understood that the development works will comprise the demolition of all existing on-site infrastructure, a 'site-strip' (resulting in the removal of approximately 200mm-300mm of the existing substrate), the construction of four detached residential properties with associated garden areas, and a new private drive which will allow access to the properties from Beck Bank. A new vehicular access point will be created toward the north-west of the site, serving the northernmost of the proposed properties. A copy of the proposed site layout (drawing ref. 053 P01 dated Nov 2021) is included in Appendix A.

### **1.2 Objectives**

The overall objective of the work undertaken was to produce a Desk Study and Preliminary Risk Assessment with regard to the site to inform the Client of the ground conditions and any potential environmental risks associated with the redevelopment of the existing site for residential end use.

### **1.3 Scope of Works**

Authorisation to proceed with this report was given by Seven22 Architecture Ltd. on behalf of Highgrove Homes Ltd. in January 2022. The scope of work was outlined by Grange GeoConsulting Limited in a fee proposal which was submitted to Peter Flavill of Seven22 Architecture Ltd. on the 21<sup>st</sup> January 2022.

The scope of this investigation is summarised below.

- A site walkover by a Grange GeoConsulting Ltd representative.
- A review of topographical, geological, and hydrogeological maps.

- A review of historical site maps to identify any former potentially contaminative uses of the site and the areas surrounding it, and an assessment of the potential contaminants associated with those uses.
- Purchase and review of a Landmark Information Group Envirocheck Report for the site to identify any former flooding events, local landfill sites, pollution incidents etc. which may have had the potential to impact the site.
- Formulation of a Conceptual Site Model including the clear and tabulated identification of potential pollution linkages.
- A Qualitative Risk Assessment.

#### **1.4 Limitations**

This report is based upon information obtained from third party sources, together with observations from the site walkover. The third-party data has been accepted at face value and has not been independently verified. Grange GeoConsulting Ltd can therefore give no warranty, representation, or assurance as to the accuracy or completeness of such information.

This report has been prepared for the sole internal use and reliance of the Client, Highgrove Homes Ltd. and shall not be relied upon by other parties without the express written authority of Grange GeoConsulting Ltd. If an unauthorised third party comes into possession of this report, then they rely on it at their own risk.

## 2.0 **PHASE 1 DESK STUDY**

Several desk study sources have been used to assemble the following information, including a Landmark Information Group Envirocheck Report for the site (reference 291479920\_1\_1) which is presented in Appendix B. Other publicly available information has been utilised, including Google Earth and internet search engines. A site walkover has also been undertaken to supplement this desk-based review.

### 2.1 **Site Description and Walkover Survey**

A site walkover was undertaken on the 3<sup>rd</sup> February 2022 by a Grange GeoConsulting Ltd representative to identify any potential hazards and receptors. Photographs taken during the site walkover are presented below, and in Appendix C. A description of the current site conditions is summarised in Table 2.1.

**Table 2.1: Site Description**

| Item                      | Brief description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Land area                 | Approximately 0.3 hectares.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Elevation and topography  | The majority of the site appeared relatively flat and level. The site was approximately 0.5m below the level of Beck Bank, which delineated the western site boundary. A brick retaining wall was used to reconcile ground levels across the central and northern sections of this boundary. A shallow concrete ramp allowed vehicular access from Beck Bank onto a concrete yard area located toward the south-western corner of the site. Within this yard was an area of landscaping which was raised approximately 0.3m-0.4m above the surrounding ground levels. The approximate elevation of the site is 3m AOD.                                                                                                                                                                                                                                                                                                                           |
| Geomorphological features | The site is situated on former tidal flats associated with the receding coastline of The Wash, the shoreline of which is currently 25km north-east of the site. As a result, the topography of the area surrounding the site is characterised by flat and level ground.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Site Walkover Findings    | <p>A walkover was undertaken as part of the Phase 1 Desk Study in order to identify any potential contamination issues. The following should be read in conjunction with Drawing R22007-DWG2, included in Appendix A. Each of the numbers below correspond with annotations on the drawing.</p> <p style="text-align: center;">Area A- South-eastern Building</p> <p>This area was occupied by a semi-permanent, single-storey structure, of corrugated metal, cement sheet, and blockwork construction, with a pitched cement sheet roof. The cement sheets on both the roof and walls appeared locally damaged, and in poor overall condition. It was considered likely, based on appearance, that materials used in the construction of the roof, soffits, and walls of this building could contain asbestos. Anecdotal evidence obtained during the walkover would suggest that this building may have been constructed in 1980 or 1981.</p> |

| Item                   | Brief description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Site Walkover Findings | <div data-bbox="783 280 1236 618" data-label="Image"> </div> <p data-bbox="555 651 1469 882">The interior of the building was predominantly open-plan, however a small partition of plyboard construction occupied the north-western corner. The partition contained a number of wooden benches, racks, and cabinets in generally poor condition, suggesting use as a former workshop or kitchen. A small workbench was present in the south-eastern corner of the main partition. The floorslab in both areas was of concrete construction, in reasonable condition, however exhibited localised damage, and staining, which appeared to be due to water ingress.</p> <div data-bbox="880 913 1137 1252" data-label="Image"> </div> <div data-bbox="783 1256 1236 1594" data-label="Image"> </div> <p data-bbox="555 1628 1469 1771">According to anecdotal evidence obtained during the site walkover, this building was formerly used for the temporary storage of canned animal food products. No visual evidence of this use was observed, however evidence of gardening activities (the potting and repotting of plants) was noted. No other materials, chemicals or equipment were observed within the building.</p> <p data-bbox="863 1803 1155 1830"><b>Area B- Northern Building</b></p> <p data-bbox="572 1832 1449 1917">The remaining semi-permanent structure, situated north of the concrete yard (See Area D) was of identical construction, and appeared of similar age to the south-eastern building.</p> <p data-bbox="555 1919 1469 1975">Internal access into this building was not possible during the site walkover, however photographs taken through a damaged window showed the structure to</p> |

| Item | Brief description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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|      | <p>be open and empty, with no internal partitioning. This building contained a false ceiling, and internal wall panels, both of which were considered likely to contain asbestos. The floor slab in this area was in very good condition, but exhibited localised staining. The staining appeared consistent with cement efflorescence, and was not considered a significant contamination issue.</p>  <p style="text-align: center;"><b>Area C- Outbuilding</b></p> <p>A small, corrugated metal and wooden framed outbuilding was present toward the centre of the site. This structure possessed an angled roof, and plastic guttering and downpipes. The structure was filled with timber, tree cuttings, plastic pipework, chicken wire, bagged soil, cardboard, metal sheets, and plastic artefacts. The floor slab was obscured by the stored materials and could not be assessed during the walkover. No significant contaminative issues were noted with respect to this building or its contents.</p>  <p style="text-align: center;"><b>Area D- Concrete Yard Area</b></p> <p>A concrete yard/drive area was present toward the south-western corner of the site, enabling vehicular access from Beck Bank via a concrete ramp. The substrate in this area was in reasonable condition, however localised damage was noted. Damaged cement sheet boards (possible ACMs) were stacked against the existing buildings to the east of the yard (Area D1). A stockpile of green waste, presumably resulting from vegetation clearance undertaken across the central and eastern sections of the site, was situated toward the eastern periphery of the yard (Area D2), and a large wooden storage crate containing cut logs was present adjacent the site entrance. A small pile of topsoil, also presumably associated with the clearance works, was present in this area.</p> |

| Item | Brief description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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|      | <div data-bbox="783 280 1236 618" data-label="Image"> </div> <p data-bbox="555 651 1469 768">Area E- Area Adjacent Northern Building<br/> Stacked against the northern wall (exterior) of the structure described in 'Area B' were; breeze blocks, green waste, metal pipework, glass sheets, bricks, masonry, and damaged, discarded cement sheets (possible ACMs).</p> <div data-bbox="783 797 1236 1135" data-label="Image"> </div> <p data-bbox="555 1169 1469 1458">Area F- Grassed Area<br/> Occupying the north-western corner of the site was a grassed area which prior to the vegetation clearance works was understood to have contained mature and semi-mature trees. Piles of green waste, including felled trees, branches and cut timber were identified within this area. Masonry, and tree stumps were locally embedded within the existing substrate.<br/> A pile of wood chippings was recorded toward the eastern periphery of this area (F1), and bagged soil and green waste were present adjacent the western site boundary (with Beck Bank) (F2). The area was bound to the east by a stand of semi-mature trees.</p> <div data-bbox="783 1487 1236 1825" data-label="Image"> </div> <p data-bbox="555 1859 1469 1977">Area G- Central and Eastern Sections of the site.<br/> At the time of the investigation the central and eastern sections of the site had been subject to vegetation clearance works, and comprised open ground with sporadic piles of green waste (branches and cuttings), and wood chippings. Tree</p> |

| Item | Brief description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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|      | <p>stumps and plastic artefacts were noted throughout much of the area, at the surface, and partially embedded within the substrate.</p>  <p>A number of points of interest were noted across this section of the site. A description of each POI (designated G1 to G10 inclusive) is presented below. The location of each is shown on drawing R22007-DWG2:</p> <p>Area G1: Plastic artefacts, glass artefacts, chicken wire, masonry, corrugated metal, and bags of domestic refuse were noted in this area. A plastic refuse bin, partially filled with water was also present.</p>  <p>Area G2: Adjacent the outbuilding described in 'Area C' were piles of chicken wire, corrugated metal sheets, masonry, and bagged soil.</p>  |

| Item | Brief description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | <p data-bbox="619 280 1401 338">Area G3: A stockpile of wood chippings. (foreground in picture below)<br/> Area G4: A pile of green waste. (background of picture below)</p>  <p data-bbox="555 739 1469 797">Area G5: A wooden garden structure situated on a small concrete base. Adjacent this structure was a former garden area set out using masonry blocks.</p>  <p data-bbox="571 1198 1453 1256">Area G6: Plyboard sheets (damaged), plastic bags and partially buried plastic artefacts.</p> <p data-bbox="555 1290 1469 1373">Area G7: An area of uneven ground containing reeds and other hydrophilic plants. This area was surrounded by green waste and occasional plastic artefacts. It was considered possible that this was a former pond or water feature.</p>  <p data-bbox="555 1774 1469 1856">Area G8: Open ground containing numerous tree stumps associated with former mature trees, which were presumably felled during clearance works. Plastic artefacts and bags were present throughout in this area.</p> |

| Item                    | Brief description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         |  <p>Area G9: A storage crate containing cut logs, similar in appearance to that described in Area D.</p> <p>Area G10: The area east of the buildings described in 'Area A' and 'Area B' contained numerous artefacts and pieces of equipment including; chicken wire fencing stacked against the buildings, piles of green waste, masonry, plastic containers, ceramic pots, electrical cabling, pipework, an electric (water) pump, garden slabs, wooden trellis, timber, 2No. metal and rubber conveyor belts, plastic artefacts, plastic bags, and a small pile of ceramic pellets (gardening). No visual evidence of an infilled former watercourse was noted in this area during the site visit, despite being shown in this location on historical maps.</p>                                                                                                                                                                                                                                                                                                                        |
| Surrounding Activities. | <p>The area immediately beyond the southern site boundary (off-site) was occupied by domestic equipment, materials and furniture including; timber, garden furniture, plant pots, a lawnmower (manually operated), masonry, plastic sheeting, building rubble, glass sheets, small containers of detergent, a fuel can, a paint can, insulation material, and a gas cylinder. Also present in this area was a section of damaged cement pipework, which was considered to potentially contain asbestos.</p> <p>Anecdotal evidence provided by the Client has indicated that the off-site materials described above represent a temporary store associated with renovation works to an adjacent property. At the time of reporting, the Client has asserted that the materials are in the process of being cleared, and that the cement pipework has been removed.</p> <p>The area surrounding the site appeared predominantly residential in character, however two large commercial buildings were noted approximately 30m north, and 75m north-east respectively. The closer of the two units was at the time of the investigation in use as a physiotherapy equipment warehouse and showroom. The further building was a large agricultural greenhouse.</p> |

## 2.2 Site History

Detailed maps and aerial photographs of the site and surrounding area dated 1887 to 2021 (at scales of 1:2,500, 1:10,000 and 1:10,560), provided as part of the Envirocheck Report for the site, have been reviewed. This review has been undertaken in order to identify any former land uses on-site and within the surrounding area that may have geo-environmental implications for the proposed development. The findings are summarised in Table 2.2.

**Table 2.2: Key Features from Historical Mapping**

| Map date and Scale                     | Key on-site features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Key off-site features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1887 to 1888<br>(1:2,500 and 1:10,560) | The majority of the site comprised undeveloped open ground, possibly under agricultural use at this time. The central and eastern sections of the site formed part of a large field which extended off-site to the east. A series of interconnected drainage ditches were located along the western, northern, and eastern boundaries of this field. One of these ditches was shown within the current site boundary; running north to south across the centre of the site. The area west of the drainage ditch formed part of a residential garden, belonging to a property located beyond the western site boundary. The north-western corner of the site appeared to be partially wooded at this time. | Beck Bank had been constructed by this time, however the road appears to have been situated further west than at present. An un-named drainage ditch was noted alongside the northern site boundary. The area south of the site, at the crossroads of Beck Bank and North Gate, was at this time occupied by residential properties and communal buildings. A small workshop, referred to as a smithy (blacksmith) was recorded approximately 90m south-west of the site at this time. An additional smithy was recorded approximately 400m to the south. A small brewery was noted 300m west of the site. The remainder of the surrounding area appeared to be agricultural in character. |
| 1904 to 1906<br>(1:2,500 and 1:10,560) | An additional residential property had been constructed close to the western site boundary. Associated garden areas, and a small outhouse were shown overlapping onto the western periphery of the site. The woodland which previously occupied the north-west of the site was no longer shown. The central and eastern sections of the site remained unaltered.                                                                                                                                                                                                                                                                                                                                          | The smithy formerly identified 400m to the south was no longer identified. Otherwise, no significant changes were noted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1938 to 1952<br>(1:10,560)             | No significant on-site changes were noted. (Limited detail due to map scale)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | The smithy to the south-west was no longer recorded at this time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1956 to 1958<br>(1:10,000)             | No significant on-site changes were noted. (Limited detail due to map scale)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No significant changes were noted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1975 to 1978<br>(1:2,500 and 1:10,000) | The western periphery of the site had by this time been redeveloped, in conjunction with the demolition of the properties located off-site to the west. This section of the site was shown as open ground at this time. Central and eastern sections of the site remained unaltered.                                                                                                                                                                                                                                                                                                                                                                                                                      | The properties located immediately west of the site had been demolished. Beck Bank had been relocated to its present position, and by this time delineated the western site boundary. The area south of the site, close to the crossroads of North Gate and Beck Bank had undergone residential expansion. This area was referred to as 'Northgate' by this time.                                                                                                                                                                                                                                                                                                                          |

| Map date and Scale | Key on-site features                                                                                                                                                                              | Key off-site features                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    |                                                                                                                                                                                                   | A large unit had been constructed approximately 30m to the north. The nature of this facility was not recorded, however it may have formed part of the Greenacres Farm complex, situated immediately north-east of the site. A number of greenhouses were noted at distances of between 300m and 800m east and south-east of the site. A pig farm was recorded 900m to the south-east.                              |
| 1985<br>(1:10,000) | No significant on-site changes were noted.(Limited detail due to map scale)                                                                                                                       | Tanks of unknown use were noted approximately 300m east of the site. Otherwise, no significant changes were noted                                                                                                                                                                                                                                                                                                   |
| 1991<br>(1:2,500)  | No significant on-site changes were noted.                                                                                                                                                        | The footprint of the large building located to the north-east had undergone significant alteration. An additional unit had been constructed approximately 80m to the north. No indication of activities undertaken within these structures was recorded.                                                                                                                                                            |
| 1994<br>(1:2,500)  | No significant on-site changes were noted.                                                                                                                                                        | No significant changes were noted.                                                                                                                                                                                                                                                                                                                                                                                  |
| 2000<br>(1:10,000) | The existing on-site buildings were shown on OS maps at this time. The drainage ditch which formerly crossed the central section of the site was no longer shown, and had presumably been filled. | The drainage ditch alongside the northern site boundary had also been filled by this time. One of the large units to the north/north-west was identified as a greenhouse at this time. The tanks to the east were no longer shown. The brewery to the south-west was no longer identified. A number of large agricultural buildings were noted approximately 700m east of the site, associated with Northgate Farm. |
| 2006<br>(1:10,000) | No significant on-site changes were noted.                                                                                                                                                        | Small-scale residential development had occurred west of the site beyond Beck Bank.                                                                                                                                                                                                                                                                                                                                 |
| 2021<br>(1:10,000) | No significant on-site changes were noted. (limited detail due to map-scale)                                                                                                                      | No significant changes were noted.                                                                                                                                                                                                                                                                                                                                                                                  |

The existing on-site buildings were first identified on historical mapping dated 2000. Aerial photography has been obtained dating back to 1999, which show the structures in their present configuration. Anecdotal evidence provided by the Client and current owner would suggest that the buildings were constructed in 1980 or 1981.

A review of web-based resources, including the South Holland District Council Planning Portal has been undertaken in order to provide additional information regarding the units located north/north-east of the site. The southernmost building is currently occupied by 66fit Ltd., a physiotherapy equipment supplier, who are understood to use the facility as a warehouse and showroom. Information obtained from the South Holland District Council Planning portal would suggest that this is a continuation of longer-term use as an agricultural warehouse associated with the Greenacre Farm Complex.

No additional information could be obtained with respect to the north-eastern structure/greenhouse.

## **2.3 Unexploded Ordnance**

In general accordance with the CIRIA report C681 (Stone *et al* 2009) a non-UXO specialist screening exercise has been carried out for the site as detailed below.

The Zetica UXB map for the site indicates that the site is in an area with a low bomb risk. This is likely to be due to the predominantly rural setting, and a lack of potential strategic targets noted by Zetica in the local area. Low risk areas are recorded to exhibit a bombing density of less than 15 bombs per 1,000 acres.

Based on this assessment, whilst considered prudent, further action to mitigate the risk from UXO is not considered necessary by Zetica. General awareness of the potential for UXO is recommended during development. A copy of the map is presented in Appendix D.

## **2.4 Geology**

Whilst worked or artificial ground has not been identified by Envirocheck at or in the immediate vicinity of the site, due to its development history it is considered possible that nominal thicknesses of Made Ground may be present across the site. The infilling of a former drainage ditch across the central section of the site may have resulted in localised areas of artificial/Made Ground.

The British Geological Survey (BGS) indicates the site to be underlain by superficial Tidal Flat deposits of Quaternary age. These are generally detrital, sedimentary deposits of shallow marine origin, and are typically described as consolidated soft silty Clay, containing layers of sand, gravel, and peat.

The bedrock underlying the site is recorded to comprise strata from the Oxford Clay Formation of Jurassic age (157 to 166 million years ago). These materials are detrital deposits of shallow marine origin, forming interbedded sequences. Strata from the Oxford Clay Formation are typically described as grey, slightly silty silicate mudstones, with sporadic beds of argillaceous limestone nodules.

No faults have been recorded by the BGS within 500m of the site.

No borehole logs have been published by the BGS within 250m of the site.

## **2.5 Mining and Mineral Extraction**

The site is listed within the Envirocheck Report as being within an area that 'might not be affected by coal mining'. No further investigation has therefore been undertaken with respect to coal mining as part of the current investigation.

According to Envirocheck, no hazards associated with 'non-coal' mining have been identified within the vicinity of the site. No BGS recorded mineral sites have been identified by Envirocheck within 500m.

No man-made or natural cavities have been recorded by Envirocheck within 500m of the site.

## 2.6 **Soil Chemistry**

Estimated BGS soil chemistry data based on characteristics of the natural geochemistry of the geological units present at the site has been provided within the Envirocheck Report. A review of this data has been undertaken and is summarised in Table 2.3.

**Table 2.3: Soil Chemistry**

| Soil Chemistry | Concentrations (mg/kg) |
|----------------|------------------------|
| Arsenic        | <15 mg/kg              |
| Cadmium        | <1.8 mg/kg             |
| Chromium       | 40-60 mg/kg            |
| Lead           | <100 mg/kg             |
| Nickel         | 15-30 mg/kg            |

The estimated soil chemistry for Arsenic, Cadmium, Chromium (assuming trivalent), Lead and Nickel do not exceed the relevant Generic Assessment Criteria (GAC) for residential use with plant uptake, which include Soil Guidance Values (SGVs) (CL:aire), Category 4 Screening Levels (C4SLs) (DEFRA) and the 2014 Land Quality Management (LQM) / Chartered Institute of Environmental Health (CIEH) Suitable for Use Levels for Human Health Risk Assessment (S4ULs). These criteria are the most conservative available, and reflect the characteristics of the proposed development.

No site-specific empirical data, referred to by the BGS as ‘Measured Urban Soil Chemistry’ has been recorded within 500m of the site.

## 2.7 **Radon**

The Indicative Atlas of Radon for England and Wales and the Envirocheck Report indicate that the site is within a Lower Probability Radon Area (with less than 1% of homes estimated to be at or above the Action Level). The Envirocheck report indicates that radon protection measures are unlikely to be required in the construction of new homes or buildings on site.

## 2.8 **Hydrogeology**

The superficial (Tidal Flat Deposits) and bedrock deposits (Oxford Clay Formation) which are recorded to underlie the site have been classified as unproductive units. These are layers of rock or drift deposits that exhibit low permeability characteristics, and which have negligible significance for water supply or baseflow to rivers, lakes, and wetlands.

Envirocheck record ‘no risk’ with respect to soluble rocks at the site.

One groundwater discharge consent has been recorded by Envirocheck within 250m of the site. This consent was associated with the discharge of an unknown/unrecorded effluent type

from a domestic property located 229m west of the site. The authorisation was first issued in September 1970, and was revoked on 1<sup>st</sup> October 1996.

No groundwater abstraction consents have been recorded by Envirocheck within 250m of the site.

The site is not located within a groundwater Source Protection Zone (SPZ). No groundwater SPZs are recorded within 500m of the site.

No Water Industry Act referrals have been recorded with respect to groundwater discharges within 1km.

## **2.9 Hydrology**

The closest surface water feature recorded by Envirocheck is an un-named artificial drainage ditch (field drainage) situated approximately 5m north-east of the site. This feature flows eastward, away from the site, eventually joining the River Glen approximately 3.5km to the east. An artificial channel (Graft Drain) passes the site to the south at a distance of approximately 50m. This channel flows west to east through the region, entering the River Glen approximately 3km to the south-east. Hammond Beck, a channelised watercourse, is situated approximately 126m north of the site. Hammond Beck flows northward, alongside Beck Bank, eventually flowing into the South Forty Foot Drain approximately 17km to the north. The un-named drainage ditch and Hammond Beck are understood to be ephemeral, remaining dry throughout parts of the year.

The presence of drainage ditches along agricultural field margins is characteristic of the region.

No river quality data has been obtained by the Environment Agency for watercourses within 1km of the site.

No surface water abstraction consents have been recorded within 250m of the site.

Fourteen surface water discharge consents have been identified by Envirocheck within 250m of the site. The closest is recorded approximately 22m west of the site. Each of the consents are/were held by individual domestic properties, enabling the discharge of final/treated effluent. Thirteen of the consents are recorded to remain active. The recorded receiving waters include; a culverted tributary of Hammond Beck, a tributary of Graft Drain, Graft Drain, and a tributary of South Forty Foot drain.

No Integrated Pollution Control (IPC) Local Authority Pollution Prevention Control (LAPPC) or Integrated Pollution Prevention and Control (IPPC) consents have been issued within 500m of the site.

Two pollution incidents have been recorded by Envirocheck within 500m of the site. Miscellaneous natural contaminants were released to Graft Drain approximately 50m south of the site on the 20<sup>th</sup> and 21<sup>st</sup> of July 1994 respectively. These contamination incidents resulted in low dissolved oxygen concentrations within the watercourse, and were classified by the Environment Agency as Category 3 (minor).

The site is not located within a surface water Source Protection Zone (SPZ). No surface water SPZs are recorded within 500m of the site.

There are no records of enforcement and prohibition notices or prosecutions relating to authorised processes listed within 500m of the site within the Envirocheck Report.

No Water Industry Act referrals have been recorded with respect to discharges to surface water receptors within 500m.

## **2.10 Flood Risk**

No information regarding groundwater flooding susceptibility at the site has been provided within the Envirocheck report, presumably due to the unproductive status of the underlying geological units.

The site is located within Flood Zones 2 and 3 and is therefore recorded to be at risk of flooding from rivers (without the benefit of flood defences). The probability of flooding is recorded to be 1:100yrs or greater. The site does not benefit from flood defences and there are no flood water storage areas in the vicinity of the site.

It is considered likely that a formal flood risk assessment will be required with respect to the proposed development.

No further consideration of flood risk is given in this report. Specialist flood risk advice should be sought with regards to drainage and flooding.

## **2.11 Waste Management and Hazardous Substances**

No historical landfill sites, licenced waste management facilities, or registered landfill sites have been recorded by Envirocheck within 500m of the site boundary.

No registered waste treatment, transfer or disposal sites have been recorded by Envirocheck within 500m of the site.

No records of explosive sites, planning hazardous substance consents or enforcements, Control of Major Accident Hazards (COMAH) or Notification of Installations Handling Hazardous Substances (NIHHS) sites have been identified within 1km of the site.

No areas of potentially infilled land have been recorded within 250m of the site boundary.

## **2.12 Contemporary Trade Directories**

One inactive Contemporary Trade Directory Entry has been identified by Envirocheck within 250m of the site. No active entries have been recorded.

The inactive entry refers to a pest control service ('Ladybug Pest Control Ltd.') which was located approximately 236m east of the site. No further information regarding scale, pest control methods employed, or date of closure have been provided by Envirocheck.

Two manufacturing points of interest have been identified within 250m of the site. Both entries, located 101m and 102m south-west of the site respectively, are held at a single property, and refer to agricultural activities (arable and livestock farming).

No fuel station entries (active or obsolete) have been recorded by Envirocheck within 1km of the site.

### **2.13 Sensitive Land Uses**

During the site walkover, no evidence of invasive weeds, including Japanese Knotweed, was observed. Although a visual inspection was carried out, this does not represent a full invasive weeds survey. As such there may be a requirement to undertake an ecological assessment of the site by a specialist at a later date.

The site is located within a surface water Nitrate Vulnerable Zone (NVZ) associated with 'The South Forty Foot Drain', and tributaries.

No Areas Outstanding Natural Beauty (AONB), areas of adopted or unadopted green belt, areas of ancient or semi-natural woodland, Sites of Special Scientific Interest (SSSIs), or National Parks have been recorded within 500m of the site.

### **3.0 PRELIMINARY RISK ASSESSMENT AND EXPOSURE MODEL**

A Conceptual Model represents the possible relationships between potential contaminant sources, pathways, and receptors in line with the Statutory Guidance to Part 2a of the Environmental Protection Act 1990. The following Preliminary Risk Assessment is based on the results of the Desk Study and the site walkover.

#### **3.1 Potential Contamination Sources and Contaminants of Concern**

##### On-site

The potential contaminant sources identified at the site are outlined below:

- Based on the historical course of development it is considered possible that a nominal thickness of Made Ground may be present at the site. The infill of the former drainage ditch historically situated across the central section of the site (likely undertaken in conjunction with the construction of the existing on-site structures) may also have resulted in linear sections of deeper Made Ground. Depending on type and origin of material used to fill the former ditch, it is considered possible that this Made Ground may be contaminative. Potential associated contaminants of concern include PAHs, TPHs, heavy metals, semi-metals and metal compounds, pH, asbestos, and ground gases.
- For the majority of its recent recorded history (1880's to mid to late 20<sup>th</sup> Century) the eastern and central sections of the site have been under agricultural use. The western periphery of the site was under residential occupation between the late 1880's and the 1970s. The relative potential severity and scale of contamination associated with these activities is considered limited, and these sources will not be considered further.
- Anecdotal evidence suggests that the existing on-site structures were constructed during the early 1980's. Whilst it has not been possible to confirm the precise nature of activities undertaken on site after this time, limited evidence of animal food storage, and agricultural activity (potting and repotting of plants) was obtained during the walkover. The presence of mechanical equipment, including conveyor belts, would suggest that these activities may have been on a commercial (albeit limited) scale. The potential for contamination associated with these activities is considered limited, however the site walkover identified possible asbestos containing materials (ACMs) throughout the structure. These materials were locally damaged and in poor condition.
- The site walkover identified numerous stockpiles of green waste and wood chippings resulting from recent vegetation clearance works. It is understood that these will be removed as part of a limited site strip as part of the redevelopment works.
- The site walkover identified numerous discarded artefacts including; masonry, plastic containers, ceramic pots, electrical cabling, pipework, an electric (water) pump, garden slabs, wooden trellis, timber, metal and rubber conveyor belts, plastic artefacts, plastic bags, bagged soil, fencing (chicken wire), metal sheeting, and glass panels. These artefacts were distributed across the majority of the site, however larger stockpiles were noted to the east and north of the existing buildings. Locally these artefacts (in particular plastic fragments and bags) were partially buried. Based on the types and

volumes of waste identified, it is considered unlikely that these materials represent a significant contamination risk. In addition, it is understood that all waste materials will be removed from site, and a site strip undertaken as part of the proposed development works.

- The site walkover identified ex-situ cement sheeting, considered to potentially contain asbestos, stacked against existing buildings and locally partially buried. It is understood that waste materials will be removed from site prior to the commencement of the development.

#### Off-site

The site is located within a predominantly rural area. The immediate surrounds are residential, and agricultural in character. As a result, potentially contaminative historical and contemporary contamination sources identified in the vicinity of the site are limited.

Identified potential sources are outlined below:

#### *Historical*

- Blacksmiths workshops (smithies) were identified approximately 90m south-west and 400m south of the site between 1887, and approximately 1938. Associated contaminants of concern may include; metals/metalloids, hydrocarbons (quenching oils), and asbestos. Based on the small scale of these activities, and their relative age, the potential for contamination from these facilities to impact the site is considered negligible.
- A small brewery was noted within a farm complex approximately 300m west of the site between the 1880's and 2000. Based on the limited scale of this activity, and relative distance from the site, it is considered unlikely that associated contamination could impact the site. This potential source will not be considered further.
- Two large commercial buildings were identified during the Desk Study approximately 30m and 75m north/north-east of the site respectively. Based on available information it is estimated that these units were constructed during the 1970s. Whilst it has not been possible to confirm precisely what activities have taken place at these facilities throughout the subsequent period, based on available information, the closer of the two structures was initially used as an agricultural warehouse, before subsequently being refit (date unknown) for use as a physiotherapy equipment warehouse and showroom. The unit situated approximately 75m north-east of the site was, at the time of the investigation, a large greenhouse. Based on the size of the unit, it is estimated that this structure supports a commercial agricultural facility. Potential associated contaminants of concern could include pesticides/herbicides, asbestos (structural), and hydrocarbons (fuels and lubricating oils) resulting from the use of vehicles, agricultural machinery, and loading equipment. The activities undertaken in these units (warehousing and agriculture) are not considered to be significantly contaminative.
- A telephone exchange was recorded approximately 600m south of the site between 2000 and 2021. These facilities are considered a potential source of Polychlorinated Biphenyls (PCBs). Given the relatively small scale of the facility and its relative distance, combined with the limited mobility of PCBs within the environment, the potential for associated

contamination to have impacted the site is considered low. This potential source will not be considered further.

#### *Contemporary*

- Potentially contaminative contemporary industry identified by Envirocheck within the vicinity of the site is restricted to an inactive pest control business (Ladybug Pest Control Ltd.), which was registered at a property located 236m east of the site. Potential associated contaminants of concern include pesticides and herbicides.
- Two pollution incidents have occurred in the immediate vicinity of the site. Both incidents involved the release of miscellaneous natural contaminants to Graft Drain, approximately 51m and 56m south of the site, in July 1994. These events were classified by the EA as Category 3 (minor). Given the scale, nature, and location of the contamination involved, the potential impact with respect to the proposed development is considered negligible. This source will not be considered further.

### **3.2 Potential Pathways**

The potential pathways identified for the site include the following:

- Direct human (dermal) contact
- Inhalation (dust)
- Inhalation (gases and vapours)
- Direct contact with aggressive ground conditions
- Leaching and migration via groundwater and surface water
- Migration of ground gas and vapours via permeable soils

It is considered possible that the infilled former drainage ditch present across the central section of the site may result in a preferential migration pathway with respect to groundwater and ground gases. This linear feature may also be interconnected, and hydrologically linked to existing off site drainage feature to the north-east.

The superficial and solid geological units recorded to underlie the site have been designated 'Unproductive' by the Environment Agency, and are unlikely to be significantly permeable or transmissive.

### **3.3 Potential Receptors**

The potential receptors identified for the site include the following:

- Site end users (site residents, visitors, and neighbours)
- Groundworkers (construction, demolition, and future maintenance workers)

- Building materials (buried concrete and underground services)
- Controlled waters: Surface Water receptors (un-named artificial drainage ditch located 5m north-east of the site and Hammond Beck located 126m north-west).

Due to the limited permeability of the underlying superficial and solid geological units, any groundwater which may be present below the site is not considered a sensitive receptor.

### 3.4 **Summary of Potential Contaminant Linkages**

Table 3.2 lists the plausible contaminant linkages identified for the site. These are considered as potentially unacceptable risks in line with guidelines published in Environment Agency (2021) Land Contamination Risk Management (LCRM), and additional risk assessment may be required. Linkages have been assessed in general accordance with guidance provided in the CIRIA Report C552 (Rudland *et al* 2001) but with the addition of a 'no linkage' category as detailed in Table 3.1.

It should be noted that whilst the risk assessment process undertaken in this report may identify potential risks to groundworkers (construction and future maintenance workers), consideration of occupational health and safety issues is beyond the scope of this report and needs to be considered separately in the Construction Phase Health and Safety Plan.

**Table 3.1: Risk Assessment Process**

| Probability            | Consequence    |               |               |               |
|------------------------|----------------|---------------|---------------|---------------|
|                        | Severe         | Medium        | Mild          | Minor         |
| <b>High Likelihood</b> | Very high risk | High risk     | Moderate risk | Low risk      |
| <b>Likely</b>          | High risk      | Moderate risk | Low risk      | Very low risk |
| <b>Low Likelihood</b>  | Moderate risk  | Low risk      | Low risk      | Very low risk |
| <b>Unlikely</b>        | Low risk       | Very low risk | Very low risk | Very low risk |
| <b>No Linkage</b>      | No risk        |               |               |               |

**Table 3.2: Preliminary Exposure Model – Source Pathway Receptor Contaminant Linkages**

| Source(s)                                                                                                                                                                                                                                   | Possible Pathway(s)                                                                                                     | Receptor(s)                                                                                                                                                          | Probability                                        | Consequence   | Risk            | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>On-Site: Made Ground associated with former activities and development (including infilling of former drainage ditches).</b></p> <p>COC: PAH, TPH, metals/semi-metals, metal compounds, pH adjusters, asbestos, and ground gases.</p> | <p>Direct human contact, Inhalation, Ingestion, Leaching and migration via groundwater, migration of gases/vapours.</p> | <p>Site end users (residents, visitors), Construction/ Demolition workers, Controlled waters: Surface Water (Un-named Drainage Ditch and Hammond Beck) receptors</p> | <p>Low likelihood. (Made Ground to be removed)</p> | <p>Medium</p> | <p>Low</p>      | <p>Based on previous development phases the presence of nominal Made Ground is considered possible across the site. Deeper Made Ground may be locally present, associated with an infilled former drainage ditch. Depending on provenance, this Made Ground may be contaminative. It is, however, understood that the a 'site strip' will be undertaken as part of the proposed development which will remove approximately 200mm to 300mm of the existing substrate (and therefore Made Ground) across much of the site.</p> <p>The proposed development will result in residential occupation and exposure scenarios, including those associated with private gardens (plant uptake and ingestion).</p> <p>It is considered likely that workers will come into direct contact with contaminants during the construction phase.</p> <p>The presence of open ground across much of the site both currently, and following development enables/will enable the infiltration of meteoric water, and vertical migration of contaminants and gases.</p> <p>The underlying Tidal Flat and Oxford Clay Formation deposits have both been designated Unproductive units, are therefore likely to exhibit low permeability and transmissivity. Lateral and vertical migration of contaminants is therefore likely to be significantly attenuated, with the exception of the infilled former drainage ditch, which depending on the nature of infill, may form a preferential migration pathway to controlled water receptors.</p> |
| <p><b>On-Site: Possible asbestos within the existing structure</b></p> <p>COC: Asbestos Containing Materials (ACMs)</p>                                                                                                                     | <p>Direct human contact (limited), Inhalation (limited).</p>                                                            | <p>Construction/ Demolition workers</p>                                                                                                                              | <p>Likely</p>                                      | <p>Medium</p> | <p>Moderate</p> | <p>Due to the age of the existing building, the presence of structural asbestos containing materials cannot be ruled out.</p> <p>It is considered likely that without mitigation workers will come into direct contact with contaminants during the construction phase.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Source(s)                                                                                                                                                                   | Possible Pathway(s)                                   | Receptor(s)                                                             | Probability                                                                                    | Consequence | Risk                                                                                  | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>On-Site: Ex-Situ Cement Sheets</b><br><br>COC: Asbestos Containing Materials (ACMs)                                                                                      | Direct human contact (limited), Inhalation (limited). | Construction/ Demolition workers                                        | Likely                                                                                         | Medium      | Moderate                                                                              | The site walkover identified ex-situ cement sheeting, considered to potentially contain asbestos, stacked against the existing buildings and locally partially buried/embedded within the substrate. It is considered likely that without mitigation workers will come into direct contact with contaminants during the construction phase.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>On-Site: Contamination Resulting from Damaged ACMs Within Existing Buildings/Damaged Ex-situ ACMs.</b><br><br>COC: Asbestos containing materials (ACMs), Asbestos Fibres | Direct human contact, Inhalation.                     | Site end users (residents, visitors), Construction/ Demolition workers. | Low likelihood (proposed end users)<br><br>Likely (construction workers and controlled waters) | Medium      | Low (proposed end users)<br><br>Moderate (construction workers and controlled waters) | The site walkover identified possible asbestos containing materials (ACMs) within the structure of the existing buildings, and in the form of ex-situ discarded cement sheets. These materials were in relatively poor condition, and were locally damaged. It is considered possible that fibre release from damaged asbestos containing materials may have resulted in the contamination of surrounding open ground/soils. It is understood that the a 'site strip' will be undertaken as part of the proposed development which will remove approximately 200mm to 300mm of the existing substrate (and therefore Made Ground) across much of the site. The proposed development will result in residential occupation and exposure scenarios, including those associated with private gardens, and inhalation of dust.<br><br>It is considered likely that workers will come into direct contact with contaminants during the construction phase.<br><br>Asbestos is typically not significantly mobile within the aquatic environment, and is therefore considered unlikely that a contaminant pathway may be established with respect to controlled waters. |

| Source(s)                                                                                                                                                                              | Possible Pathway(s)                                                                                                      | Receptor(s)                                                                                                                                                          | Probability                                                                                           | Consequence | Risk       | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>On-Site: Contamination Resulting from Artefacts/Waste Materials identified on site during the site walkover.</b></p> <p>COC: heavy metals, semi-metals, and metal compounds.</p> | <p>Direct human contact, Inhalation, Ingestion, Leaching and migration via groundwater, migration of gases/ vapours.</p> | <p>Site end users (residents, visitors), Construction/ Demolition workers, Controlled waters: Surface Water (Un-named Drainage Ditch and Hammond Beck) receptors</p> | <p>Low likelihood (proposed end users)</p> <p>Likely (construction workers and controlled waters)</p> | <p>Mild</p> | <p>Low</p> | <p>The site walkover identified numerous discarded artefacts including; masonry, plastic containers, ceramic pots, electrical cabling, pipework, an electric (water) pump, garden slabs, wooden trellis, timber, metal and rubber conveyor belts, plastic artefacts, plastic bags, bagged soil, fencing (chicken wire), metal sheeting, and glass panels. In general, these were considered to exhibit limited contamination potential.</p> <p>It is understood that the a 'site strip' will be undertaken as part of the proposed development which will remove approximately 200mm to 300mm of the existing substrate (and therefore Made Ground) across much of the site.</p> <p>The proposed development will result in residential occupation and exposure scenarios, including those associated with private gardens (plant uptake and ingestion).</p> <p>It is considered likely that workers will come into direct contact with contaminants during the construction phase.</p> <p>The presence of open ground across much of the site both currently, and following development enables/will enable the infiltration of meteoric water, and vertical migration of contaminants and gases.</p> <p>The underlying Tidal Flat and Oxford Clay Formation deposits have both been designated Unproductive units, are therefore likely to exhibit low permeability and transmissivity. Lateral and vertical migration of contaminants is therefore likely to be significantly attenuated, with the exception of the infilled former drainage ditch, which depending on the nature of infill, may form a preferential migration pathway to controlled water receptors.</p> |

| Source(s)                                                                                                                                                                                                                                                                                                         | Possible Pathway(s)                                                                                            | Receptor(s)                                                                   | Probability       | Consequence | Risk | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------|-------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Off-site:<br/>Contamination resulting from commercial activity in the vicinity of the site from 1970s onward-including an agricultural warehouse, a physiotherapy equipment warehouse/showroom, and a greenhouse</b><br><br>COC:<br>Pesticides/herbicides, asbestos, hydrocarbons (fuel and lubricating oils). | Leaching and lateral migration onto site via groundwater<br>Direct human contact,<br>Inhalation,<br>Ingestion, | Site end users (residents, visitors),<br>Construction/<br>Demolition workers, | Low<br>likelihood | Mild        | Low  | <p>Commercial buildings were identified during the Desk Study approximately 30m and 75m north/north-east of the site. The closer of the two structures was initially used as an agricultural warehouse, before subsequently being refit (date unknown) for use as a physiotherapy equipment warehouse and showroom. The unit situated approximately 70m north-east of the site was, at the time of the investigation, a large greenhouse. The activities undertaken in these units (warehousing and agriculture) are not considered to be significantly contaminative.</p> <p>The underlying Tidal Flat and Oxford Clay Formation deposits have both been designated Unproductive units, are therefore likely to exhibit low permeability and transmissivity. Lateral and vertical migration of contaminants is therefore likely to be significantly attenuated.</p> <p>The proposed development will result in residential occupation and exposure scenarios, including those associated with private gardens (plant uptake and ingestion).</p> <p>It is considered likely that workers will come into direct contact with contaminants during the construction phase.</p> |

## 4.0 **CONCLUSIONS AND RECOMMENDATIONS**

### 4.1 **Risk Evaluation**

Based on historic and contemporary activity undertaken at, and in the area surrounding the site, the overall risk to human health from land contamination is considered **Moderate**. This designation is based on the proposed residential redevelopment of the site, and relates predominantly to issues associated with structural and ex-situ Asbestos Containing Materials (ACMs) during the demolition/construction phases.

It is considered possible, though unlikely that the site would be classified as Contaminated Land under Part 2a of the EPA 1990 however this has not been formally confirmed by the Local Authority.

Table 3.2 provides a summary of the geo-environmental hazards identified and the overall risk associated with each hazard. The overall site risk has been designated using qualitative judgement using the categories provided in Table 4.1.

**Table 4.1: Assessed Overall Risk Categories for the Site from Land Contamination**

| <b>Risk Category</b> | <b>Definition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Very High Risk       | A significant contaminant linkage, including actual evidence of significant harm or significant possibility and significant harm, is clearly identifiable at the site (e.g., from visual or documentary evidence) under current conditions, with potential for legal and / or financial consequences for the site owner or other Responsible Person. Remediation advisable based on acute impacts being likely. Immediate action should be considered.                                                                                                                                                                                                    |
| High Risk            | A contaminant linkage is identifiable on site under current and future use conditions. Although likely, there is no obvious actual evidence of significant harm or significant possibility and significant harm under current conditions. Extent of risk is therefore subject to confirmation by investigation and risk assessment, and most likely to be deemed significant. Realisation of the risk is likely to present a substantial liability to the site owner or other Responsible Person. Remediation required for redevelopment and may also be required under Part 2A for existing receptors.                                                   |
| Moderate Risk        | A contaminant linkage is identifiable on site under current and future use conditions. However, it is not likely to be a significant linkage under current conditions. It is either relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely, that the harm would be relatively mild. Actual extent of risk subject to confirmation by additional investigation and risk assessment and most likely to lie between no possibility of harm (under current conditions) and significant possibility of significant harm (under conditions created by new use). Remediation may be required for redevelopment. |
| Low Risk             | Potential pathways and receptors exist but history of contaminative use or site conditions indicates that contamination is likely to be of limited extent and below the level of possibility of harm. Unlikely that the site owner or other Responsible Person would face substantial liabilities from such a risk. Precautionary investigations and risk assessment advisable on change of use. Any subsequent remedial works are likely to be relatively limited.                                                                                                                                                                                       |
| Very Low Risk        | No contaminant linkage likely to exist under current or future conditions, but this cannot be completely discounted. If harm is realised, it is likely at worst to be mild or minor. Site not capable of being determined under Part 2A (in accordance with PPS23) where the Local Authority inspects the site. No further action needed.                                                                                                                                                                                                                                                                                                                 |
| No Risk              | No contaminant linkage exists.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## **4.2 RECOMMENDATIONS FOR FURTHER WORK**

Based on the findings of the Desk Study and Preliminary Risk Assessment, risk to human health receptors from contamination at the site is considered Moderate. Due to the nature of the proposed development, which will include the demolition of existing infrastructure, and a 'site strip', which will remove approximately 200mm to 300mm of the existing substrate this designation is restricted to demolition/construction workers who may be exposed during the development phase. Risk to proposed residential end users and controlled water receptors from identified contaminant sources is considered Low.

It is considered that the risk to demolition/construction workers may be mitigated providing the following measures are followed during the proposed development works.

- It is recommended that during any groundworks, appropriately licenced contractors should be appointed, PPE/RPE should be worn as necessary by groundworkers, and a safe system of work is established prior to commencement.
- If not already undertaken, an asbestos survey should be carried out of the existing structures prior to demolition. Subsequent demolition works should be carried out by licensed and experienced contractors, and any ACMs removed from site in accordance with current guidelines (Control of Asbestos Regulations (2012)) to an appropriate point of disposal.
- The ex-situ cement sheets identified during the Site Walkover adjacent the existing structures should be appropriately collected (where stacked), carefully exposed and removed (where partially buried), and sent for appropriate off-site disposal. Suitably licensed and experienced contractors should be used to undertake these works. Care should be taken throughout this process to avoid further damage to these materials.
- As part of the site preparation works waste materials/artefacts present at the surface and embedded within the upper layers of the substrate should be removed from site for recycling/disposal at an appropriate facility.
- A watching brief should be maintained for the presence of contamination throughout the duration of the proposed development. In particular, vigilance should be maintained for the presence of Asbestos Containing Materials (ACMs) during the site strip process. In the event that any unforeseen gross or widespread contamination is encountered on site, works should immediately stop, and Grange GeoConsulting Limited (or another appropriately qualified contaminated land specialist) should be contacted immediately. A representative will be able to attend site, examine any potentially contaminated materials, take soil samples as required, and provide specialist advice. This would be recorded and communicated to the Local Planning Authority (LPA) and an appropriate course of action determined.
- Specialist contractors should be employed as necessary to advise on the management of unexpected contamination.

- During the site strip it will be important to control the generation of dust. Consideration should be given to the use of dust suppression methods, should weather conditions favour dust generation.
- On completion of the demolition and site strip process, it is recommended that a nominal programme of surface sampling be undertaken on the exposed/development substrate. Samples collected during this programme should be scheduled for asbestos screening, to ensure that no fibres have been released during previous site use, or during the demolition phase, and that the substrate is suitable for development. It is recommended that samples are taken at an equivalent frequency of approximately 1 sample per 225m<sup>2</sup> (based on a 15m-by-15m grid).

It is recommended that during the site strip efforts are made to identify the location and depth of the former drainage ditch, and that the composition of the infill material is confirmed. Should the infill material contain a significant organic component, and/or is recorded to significant depth, an additional ground gas risk assessment is likely to be required.

Assuming these recommendations are followed, it is considered that the risk to demolition/construction workers (and the overall risk to the proposed development) may be reduced to Low.

## **5.0    REFERENCES**

MILES, J. C. H., APPLETON, J. D., REES, D. M., GREEN, B. M. R., ADLAM, K. A. M. and MYRES, A. H. 2007. Indicative Atlas of Radon in England and Wales. Health Protection Agency and British Geological Survey. Report HPA-RPD-033.

RUDLAND, D. J., LANCEFIELD, R. M. and MAYELL, P. N. 2001. Contaminated land risk assessment. A guide to good practice. *CIRIA Report C552*. CIRIA, London. 158 pp.

SCIVYER, C. 2007. Radon: Guidance on protective measures for new buildings, extensions, conversions, and refurbishment (2007 edition). Building Research Establishment Report BR 211. BRE, Garston.

STONE, K., MURRAY, A., COOKE, S., FORAN, J. and GOODERHAM, L. 2009. Unexploded ordnance (UXO), a guide to the construction industry. *CIRIA Report C681*. CIRIA, London. 141 pp.

## **APPENDICES**

**Appendix A: DRAWINGS**

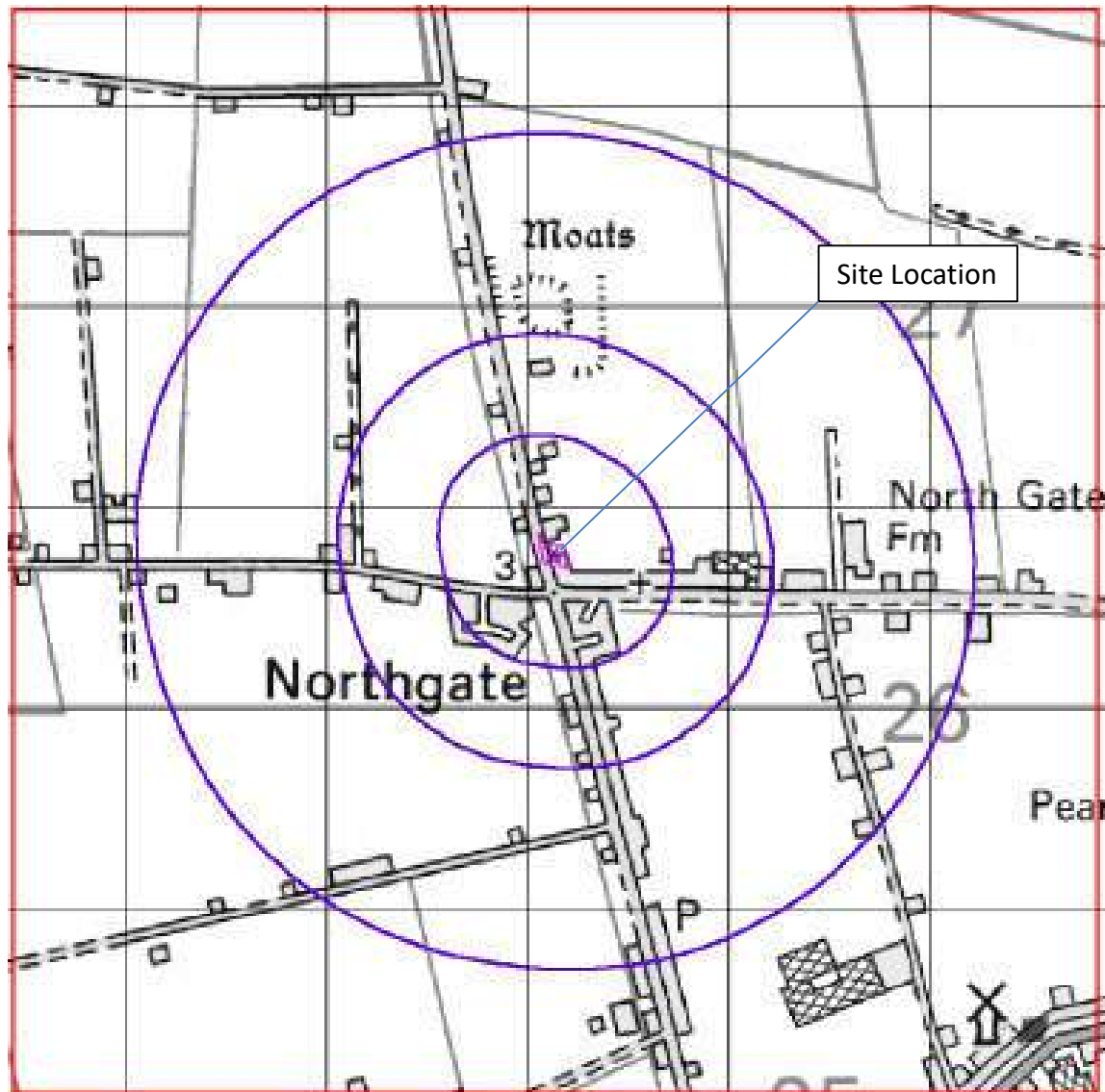
**Appendix B: DESK STUDY RESEARCH INFORMATION**

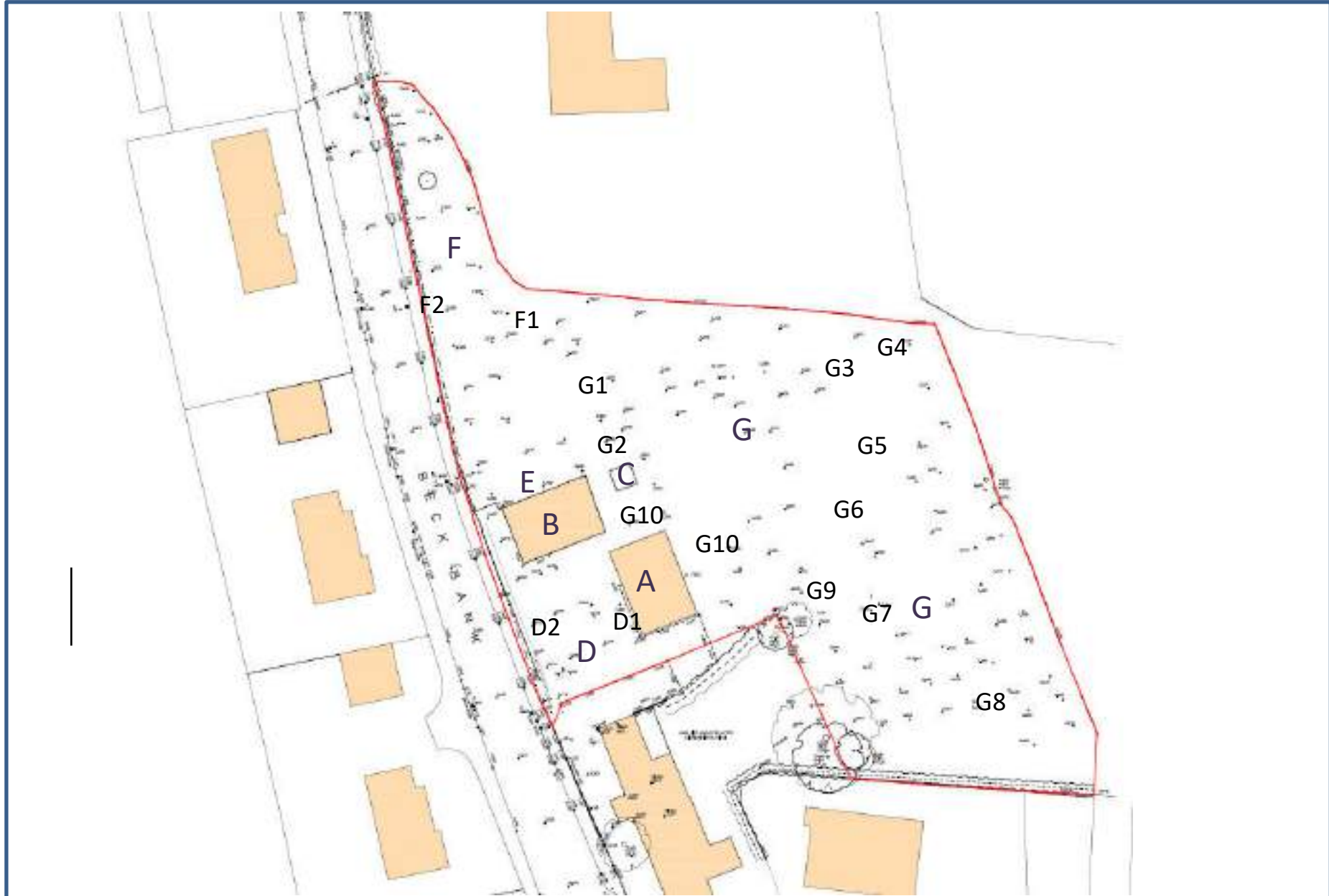
**Appendix C: SITE WALKOVER PHOTOGRAPHS**

**Appendix D: ZETICA UXO PLAN**

## **Appendix A**

### **DRAWINGS**





## **Appendix B**

### **DESK STUDY RESEARCH INFORMATION**

## Geology 1:50,000 Maps Legends

### Superficial Geology

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

### Bedrock and Faults

| Map Colour                                                                        | Lex Code | Rock Name             | Rock Type | Min and Max Age          |
|-----------------------------------------------------------------------------------|----------|-----------------------|-----------|--------------------------|
|  | OXC      | Oxford Clay Formation | Mudstone  | Not Supplied - Callovian |



### Geology 1:50,000 Maps

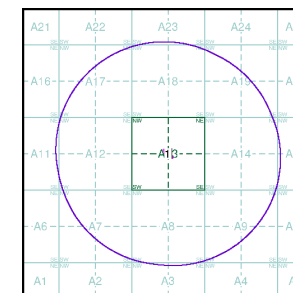
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

|                      |               |
|----------------------|---------------|
| Map ID:              | 1             |
| Map Sheet No:        | 144           |
| Map Name:            | Spalding      |
| Map Date:            | 1992          |
| Bedrock Geology:     | Available     |
| Superficial Geology: | Available     |
| Artificial Geology:  | Available     |
| Faults:              | Not Supplied  |
| Landslip:            | Not Available |
| Rock Segments:       | Not Supplied  |

### Geology 1:50,000 Maps - Slice A



### Order Details:

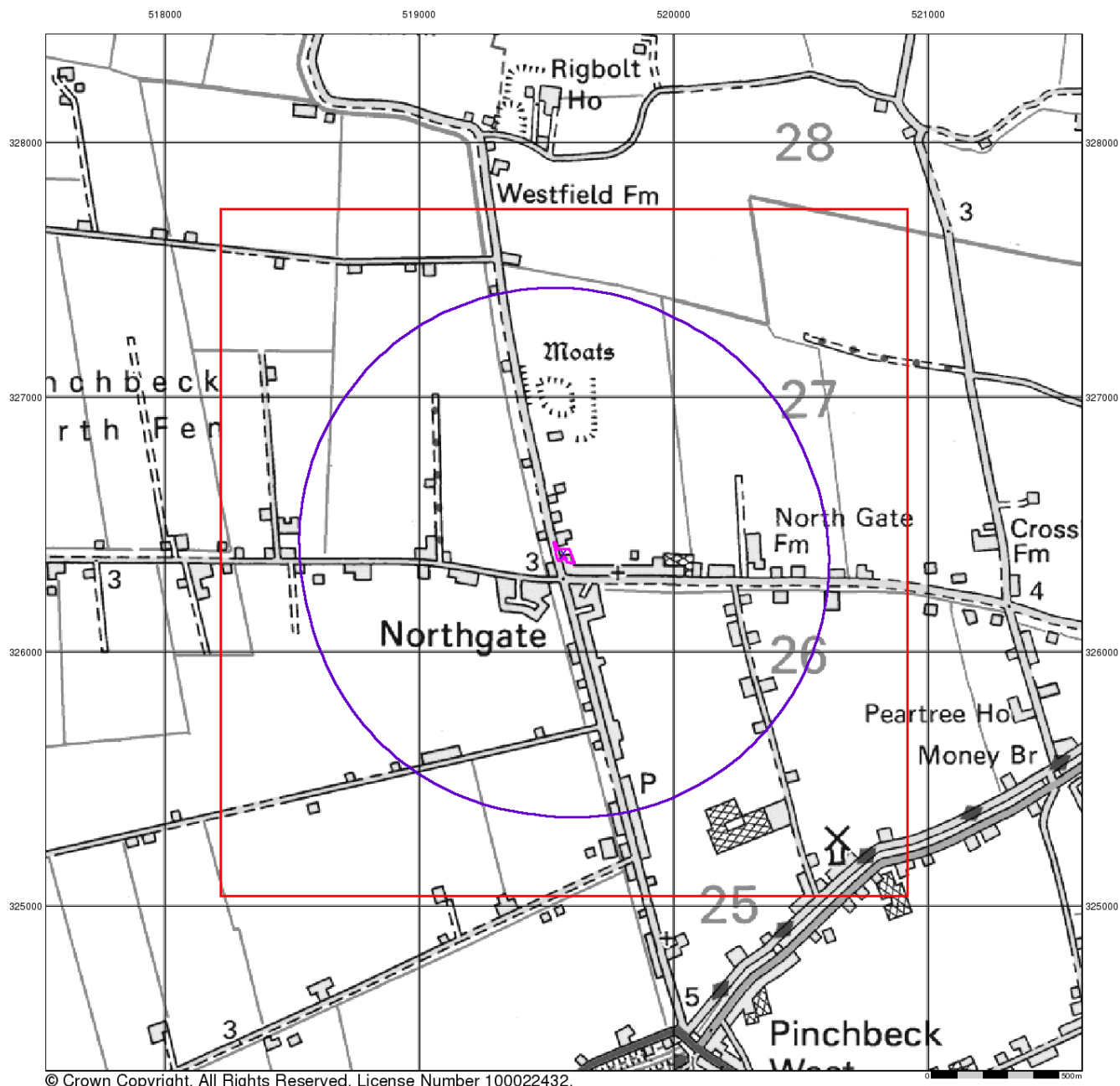
|                          |                |
|--------------------------|----------------|
| Order Number:            | 291479920_1_1  |
| Customer Reference:      | R22007         |
| National Grid Reference: | 519560, 326390 |
| Slice:                   | A              |
| Site Area (Ha):          | 0.3            |
| Search Buffer (m):       | 1000           |

### Site Details:

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN

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### Artificial Ground and Landslip

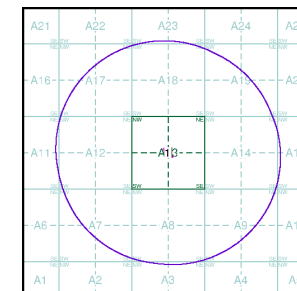
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

### Artificial Ground and Landslip Map - Slice A



### Order Details:

Order Number: 291479920\_1\_1  
 Customer Reference: R22007  
 National Grid Reference: 519560, 326390  
 Slice: A  
 Site Area (Ha): 0.3  
 Search Buffer (m): 1000

### Site Details:

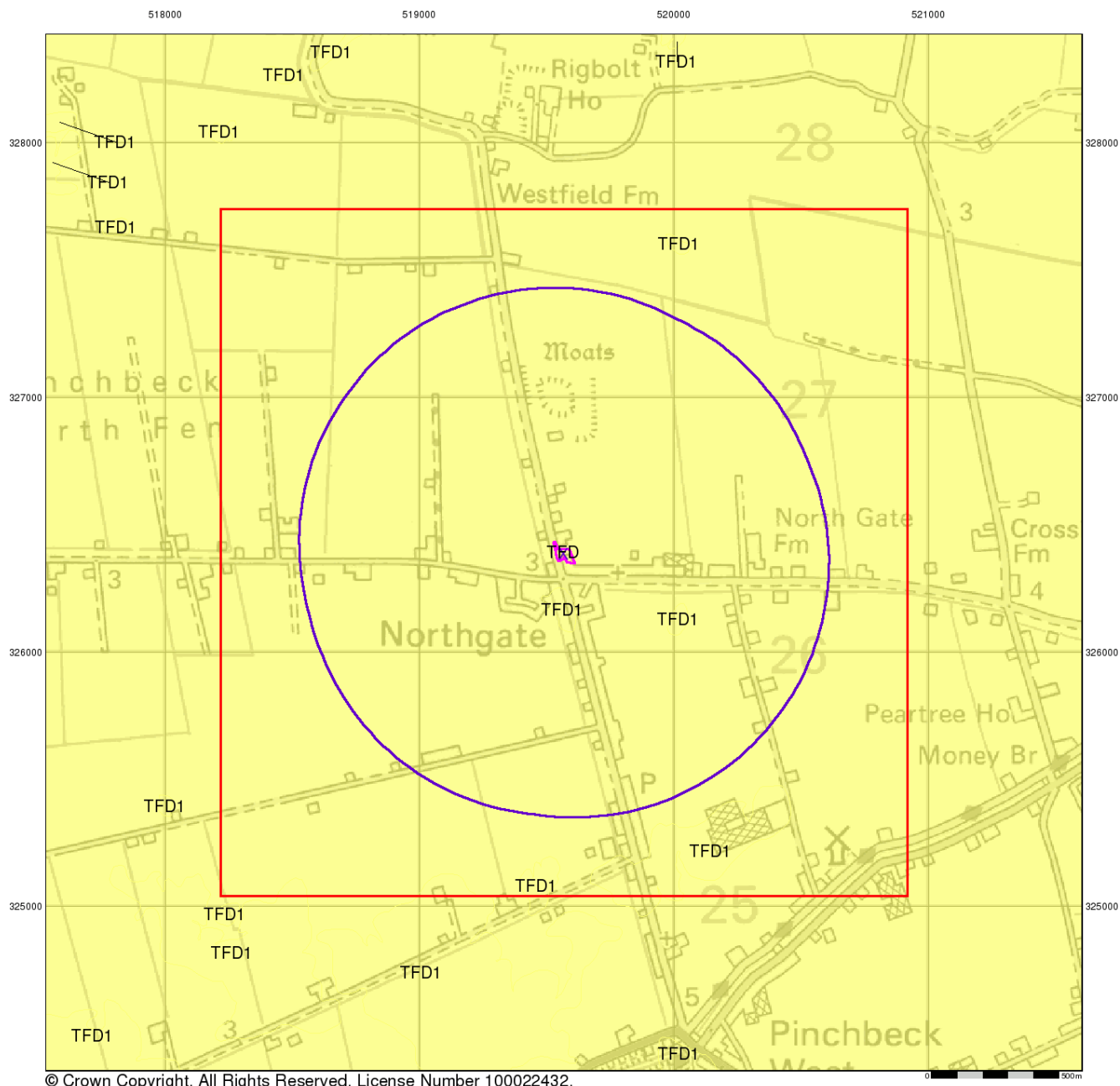
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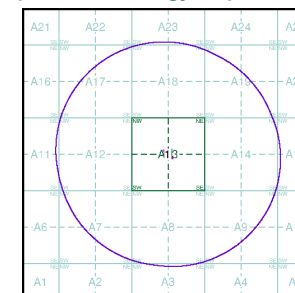
### Superficial Geology

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

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

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

### Superficial Geology Map - Slice A



### Order Details:

Order Number: 291479920\_1\_1  
 Customer Reference: R22007  
 National Grid Reference: 519560, 326390  
 Slice: A  
 Site Area (Ha): 0.3  
 Search Buffer (m): 1000

### Site Details:

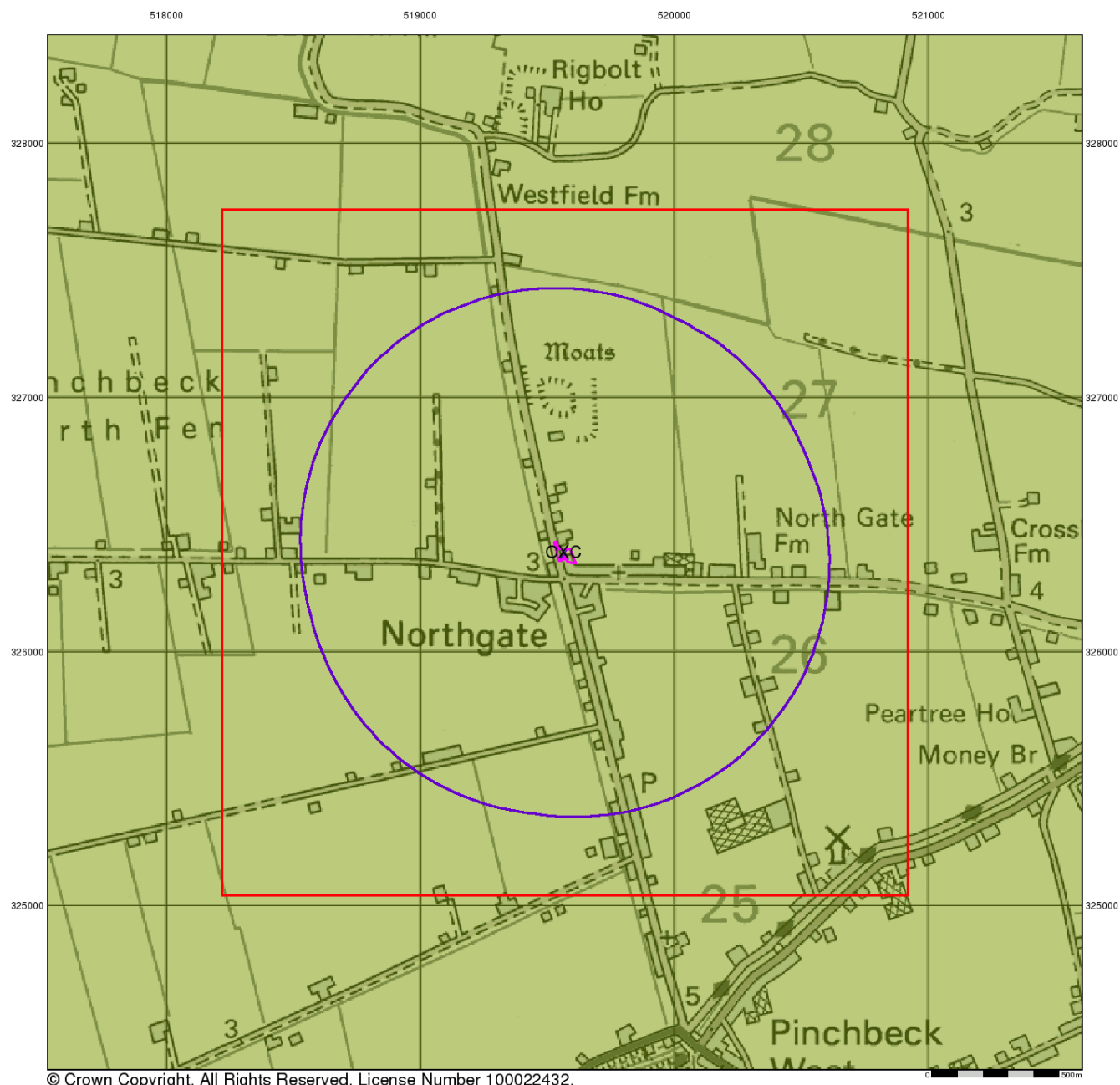
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## Bedrock and Faults

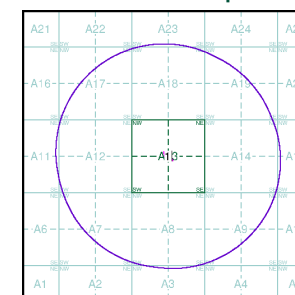
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

## Bedrock and Faults Map - Slice A



## Order Details:

Order Number: 291479920\_1\_1  
Customer Reference: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.3  
Search Buffer (m): 1000

## Site Details:

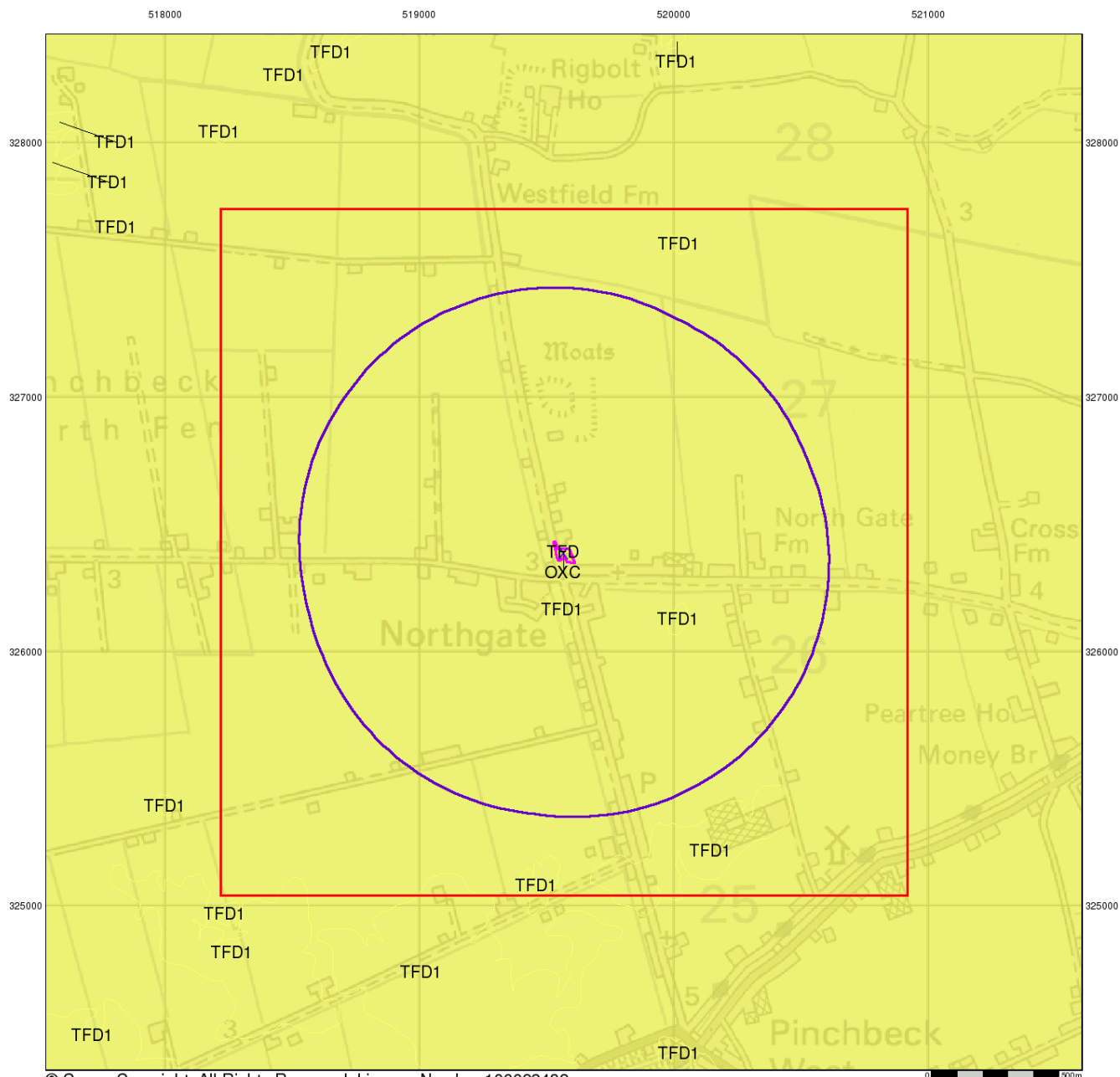
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### Combined Surface Geology

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

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

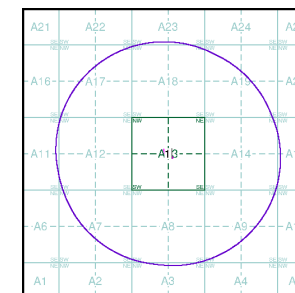
### Additional Information

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

### Contact

British Geological Survey  
Kingsley Dunham Centre  
Keyworth  
Nottingham  
NG12 5GG  
Telephone: 0115 936 3143  
Fax: 0115 936 3276  
email: [enquiries@bgs.ac.uk](mailto:enquiries@bgs.ac.uk)  
website: [www.bgs.ac.uk](http://www.bgs.ac.uk)

### Combined Geology Map - Slice A



### Order Details:

Order Number: 291479920\_1\_1  
Customer Reference: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.3  
Search Buffer (m): 1000

### Site Details:

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN

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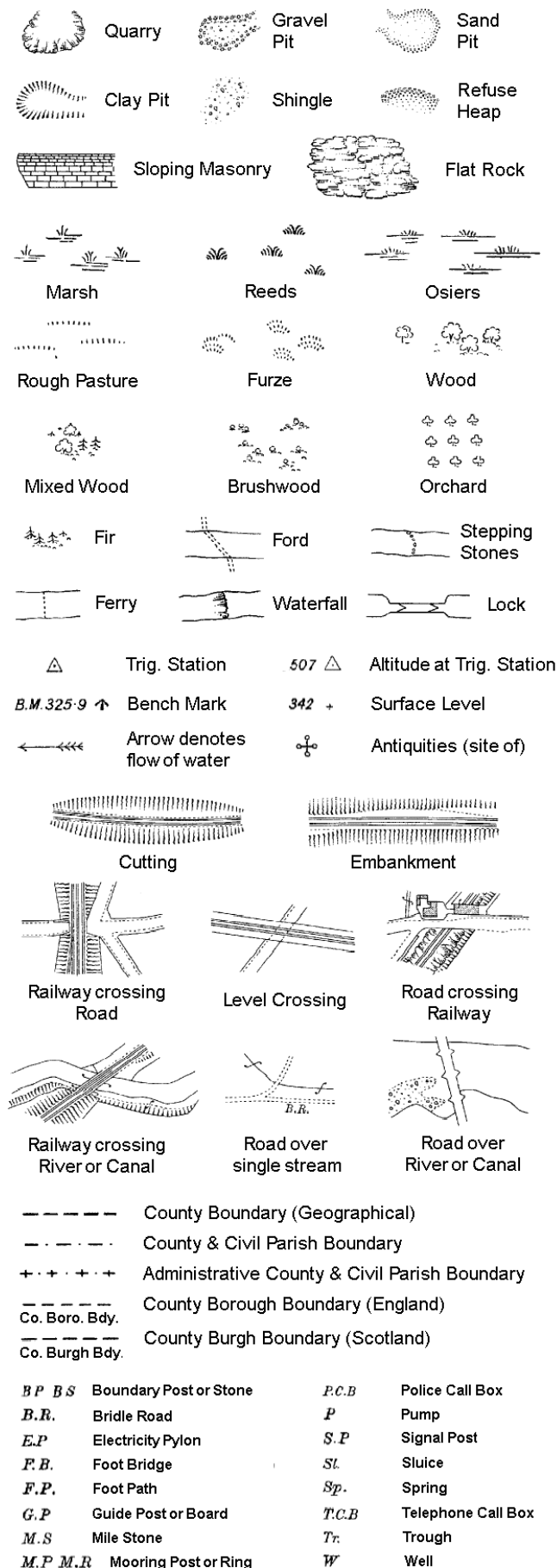
Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)

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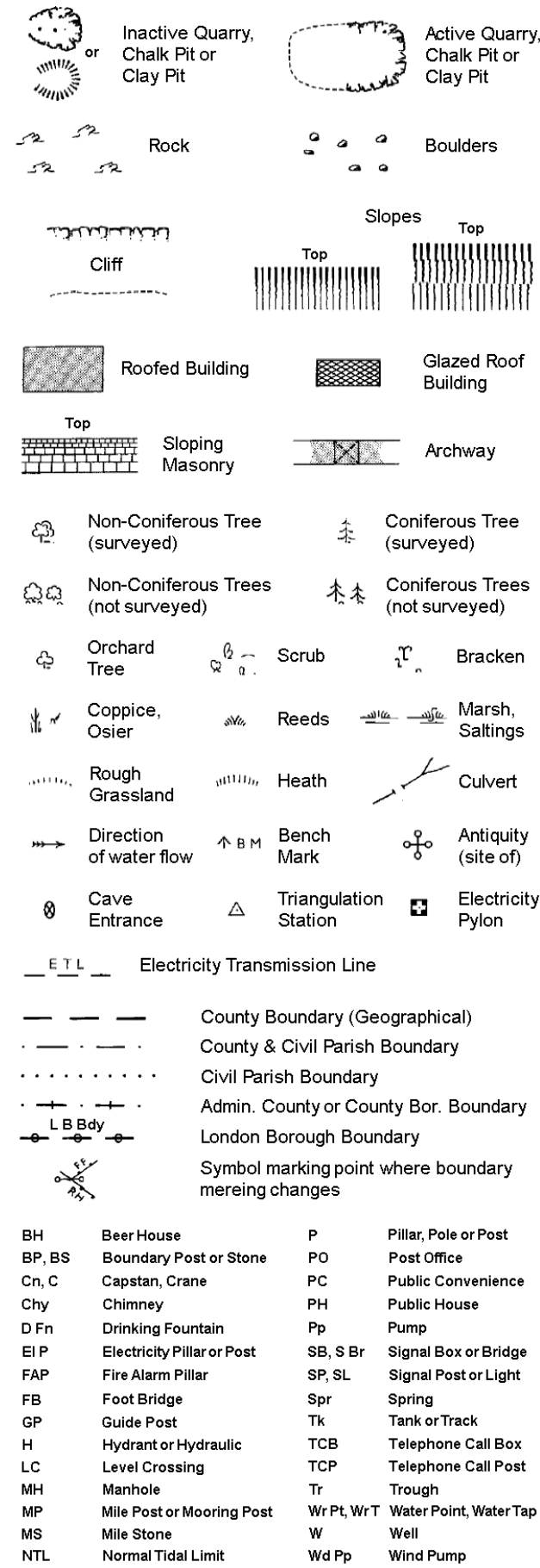
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# Historical Mapping Legends

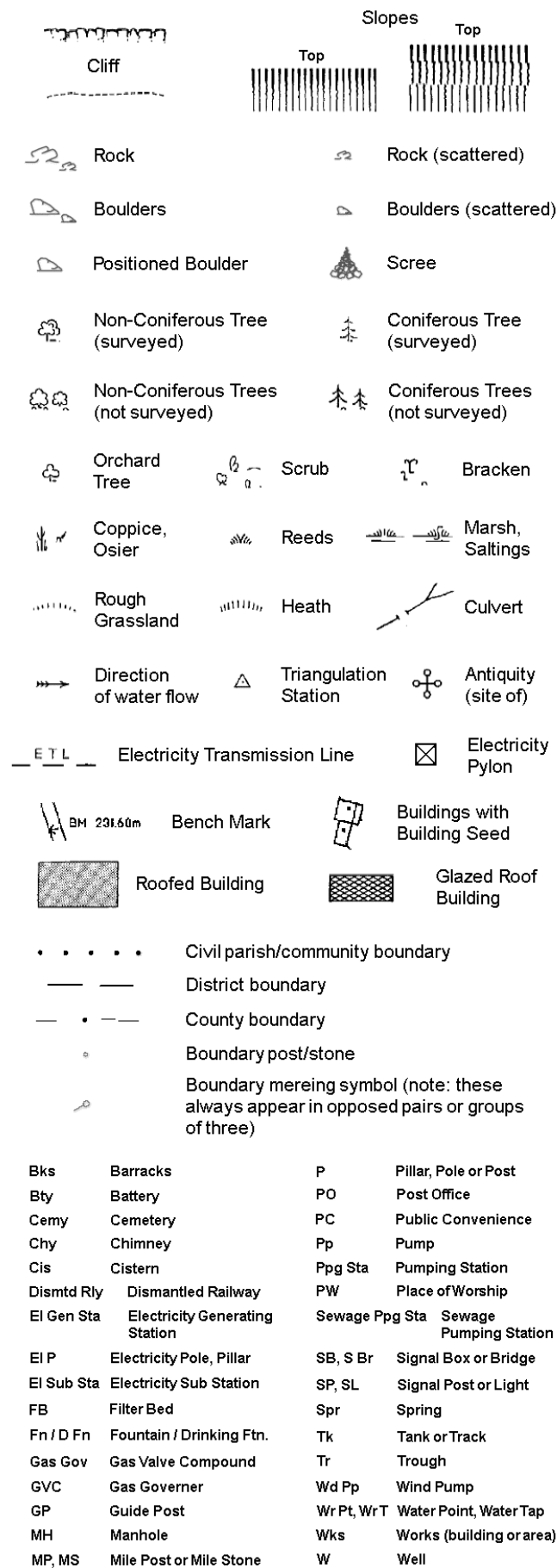
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



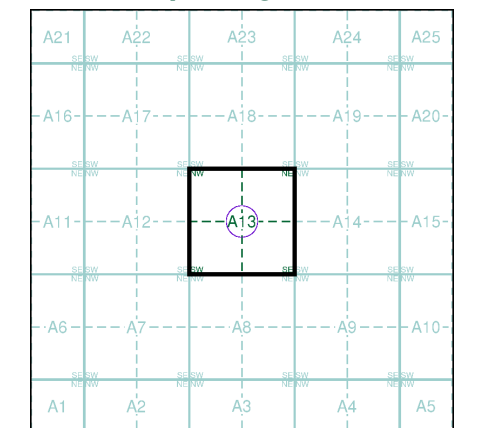
## Large-Scale National Grid Data 1:2,500 and 1:1,250



## Historical Mapping & Photography included:

| Mapping Type                   | Scale   | Date | Pg |
|--------------------------------|---------|------|----|
| Lincolnshire                   | 1:2,500 | 1888 | 2  |
| Lincolnshire                   | 1:2,500 | 1904 | 3  |
| Ordnance Survey Plan           | 1:2,500 | 1978 | 4  |
| Additional SIMs                | 1:2,500 | 1991 | 5  |
| Large-Scale National Grid Data | 1:2,500 | 1994 | 6  |

## Historical Map - Segment A13



## Order Details

Order Number: 291833359\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.01  
Search Buffer (m): 100

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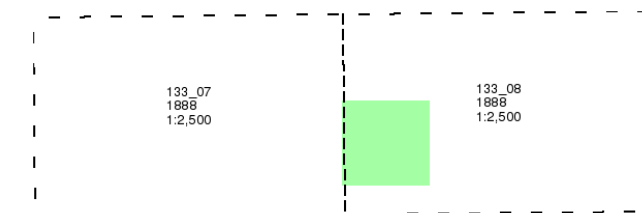
Lincolnshire

Published 1888

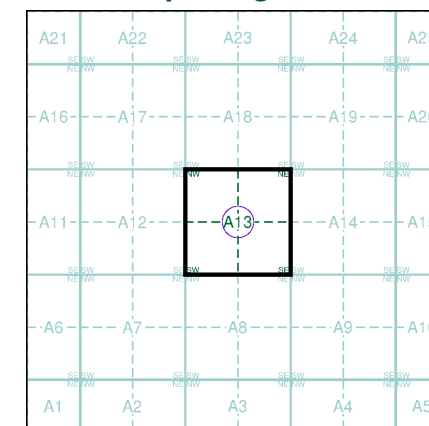
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

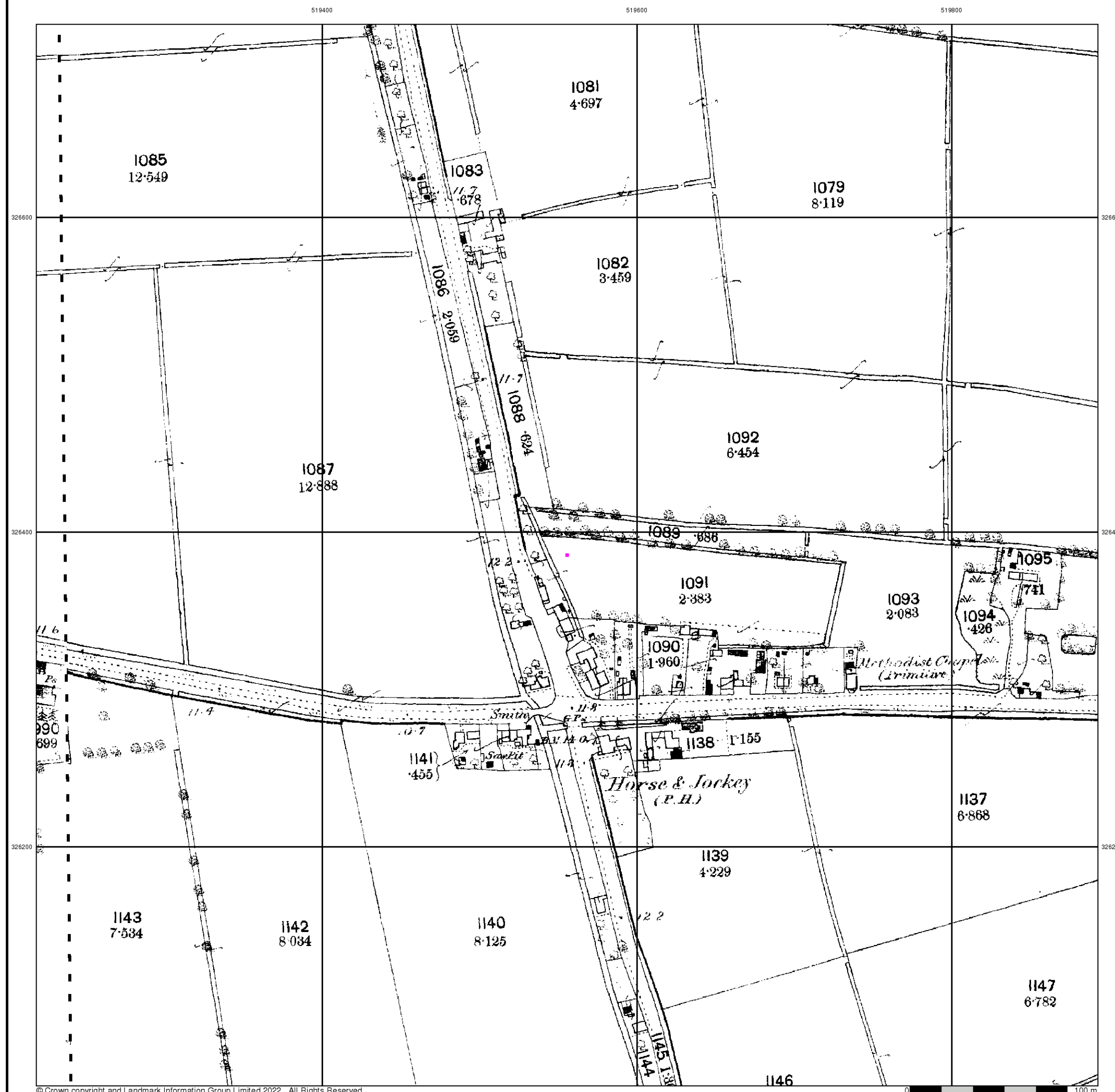
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Slice: A  
Site Area (Ha): 0.01  
Search Buffer (m): 100

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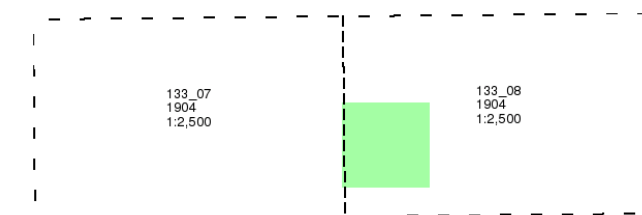
Lincolnshire

Published 1904

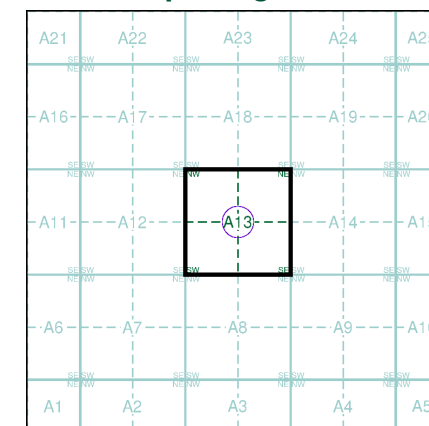
Source map scale - 1:2,500

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### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

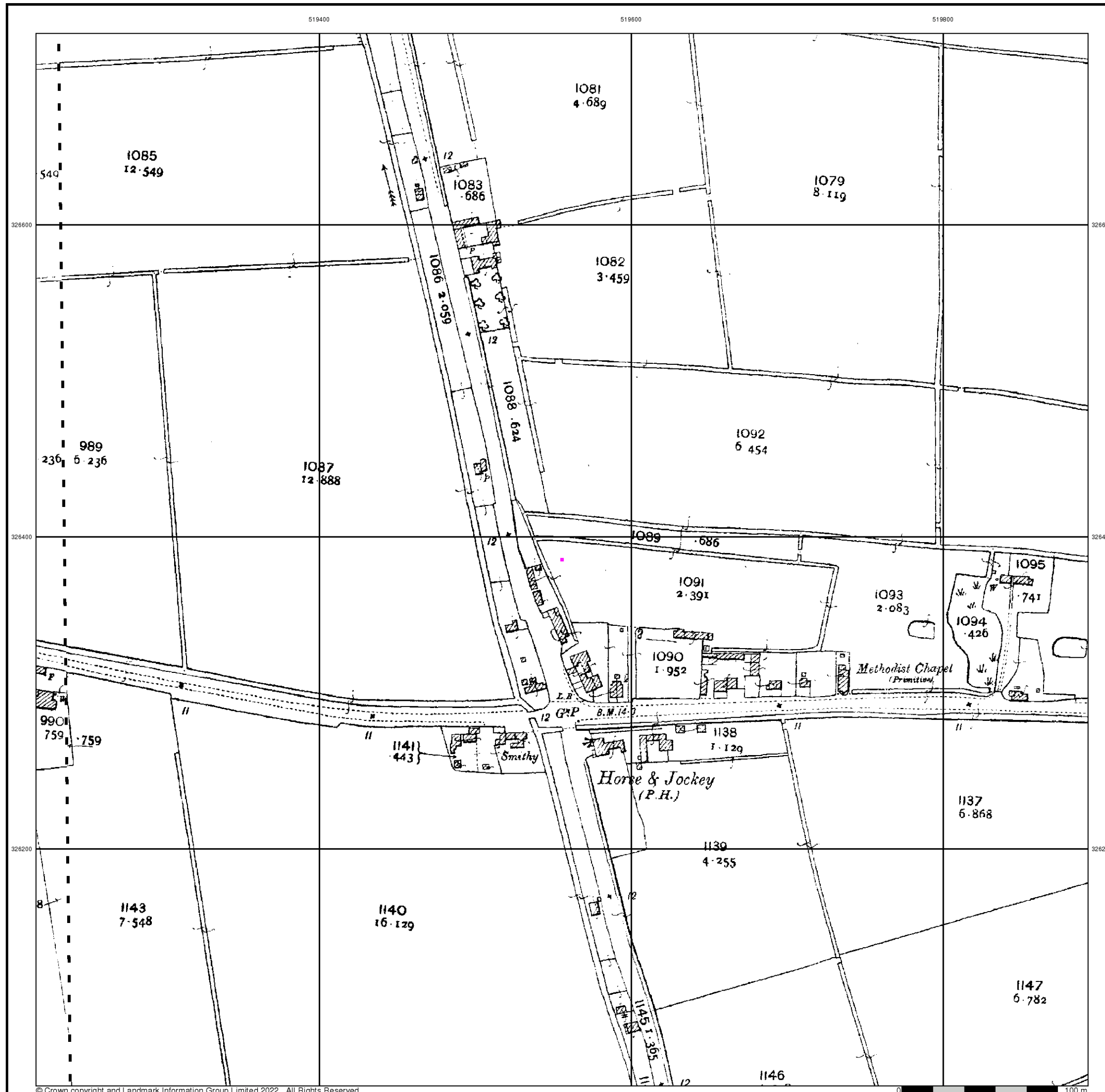
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Slice: A  
Site Area (Ha): 0.01  
Search Buffer (m): 100

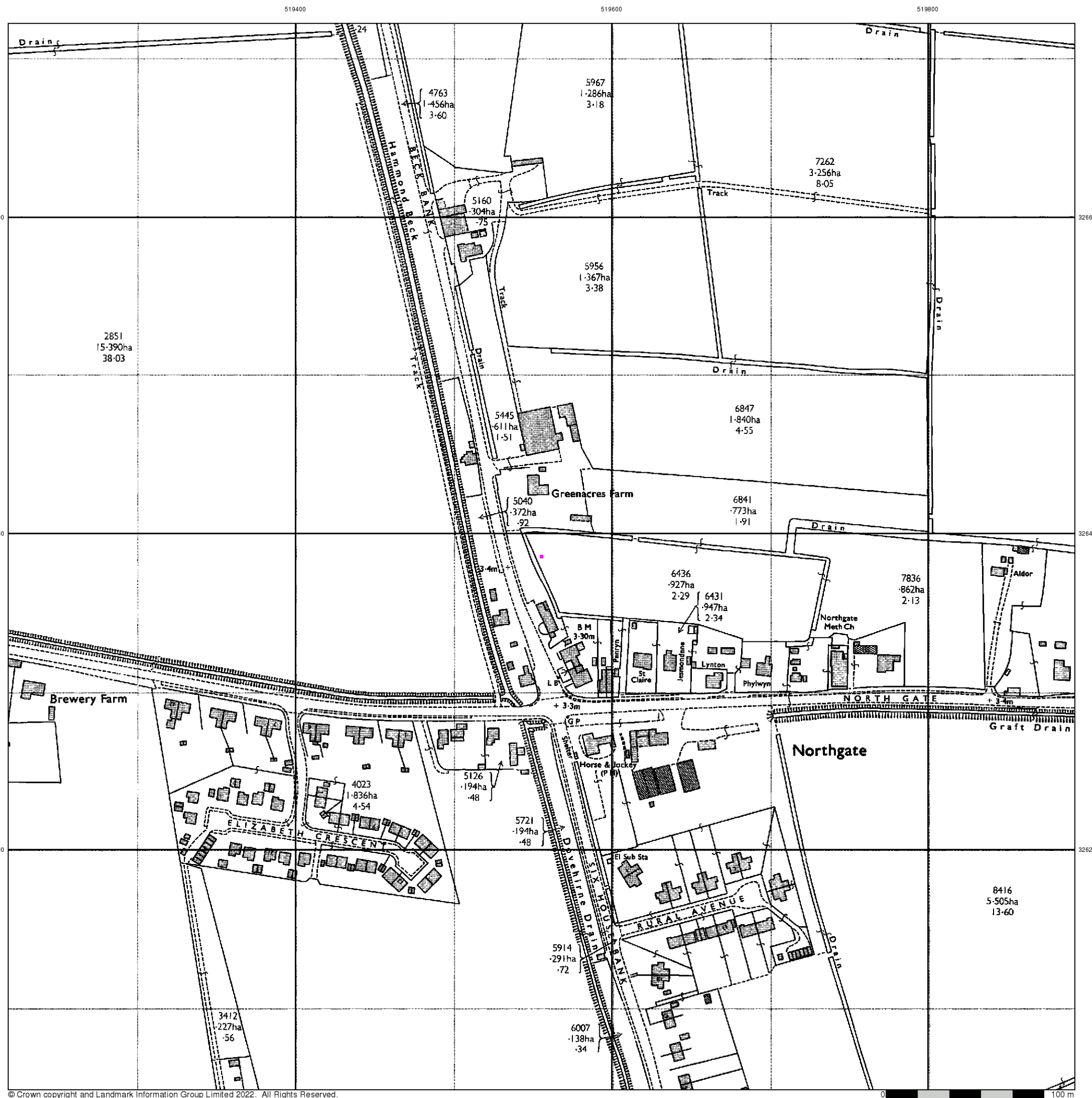
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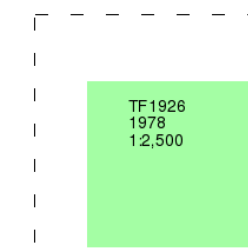
## Ordnance Survey Plan

Published 1978

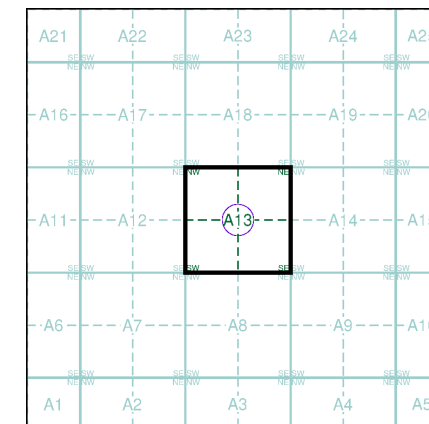
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## Map Name(s) and Date(s)



## Historical Map - Segment A13



## Order Details

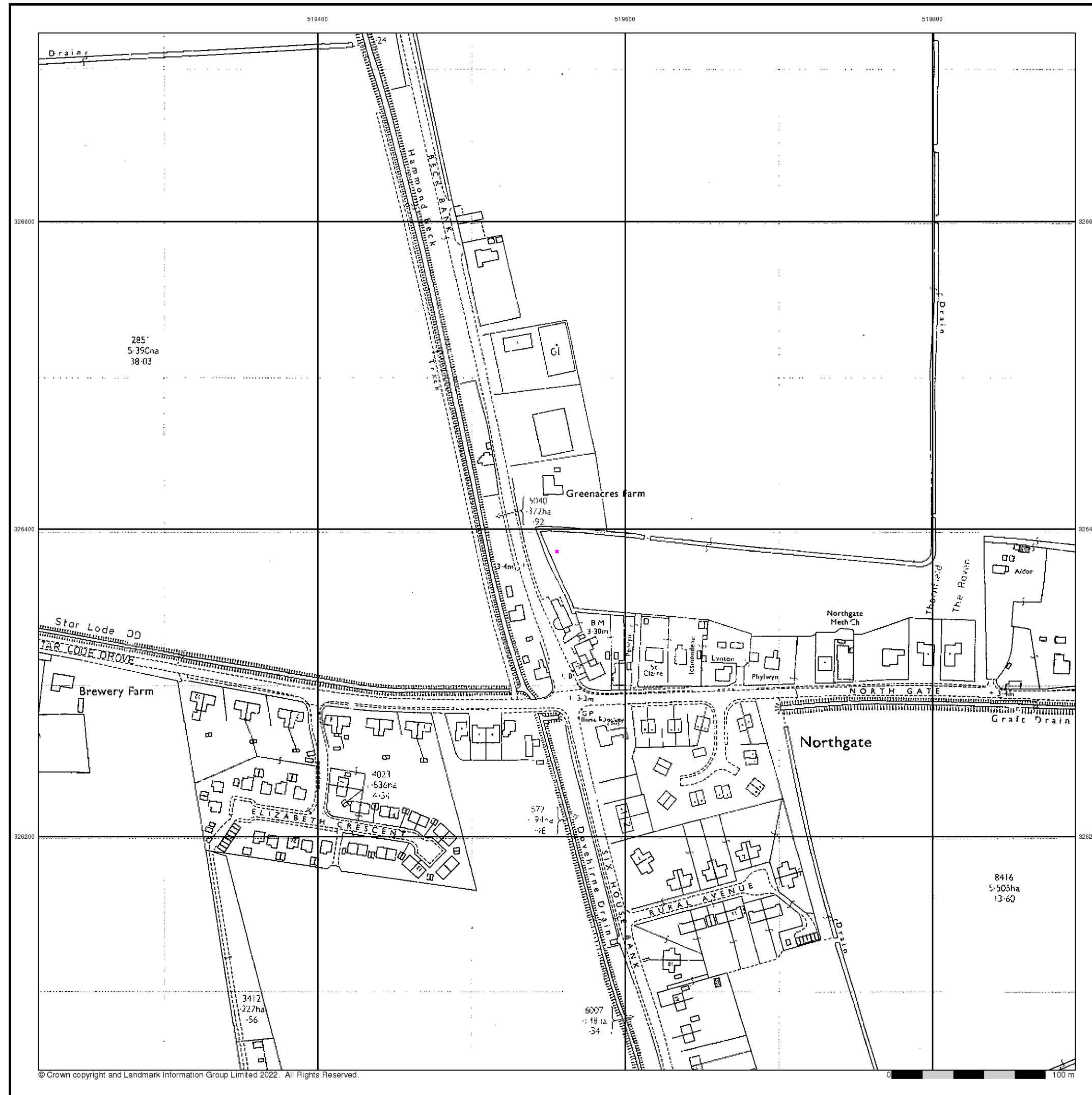
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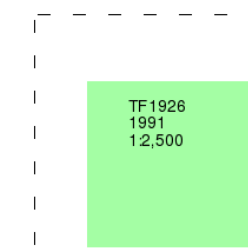
### Additional SIMs

Published 1991

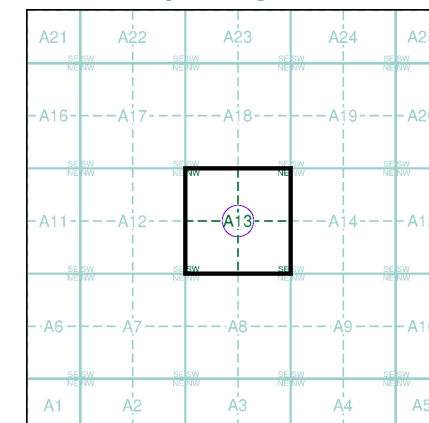
Source map scale - 1:2,500

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)



### Historical Map - Segment A13



### Order Details

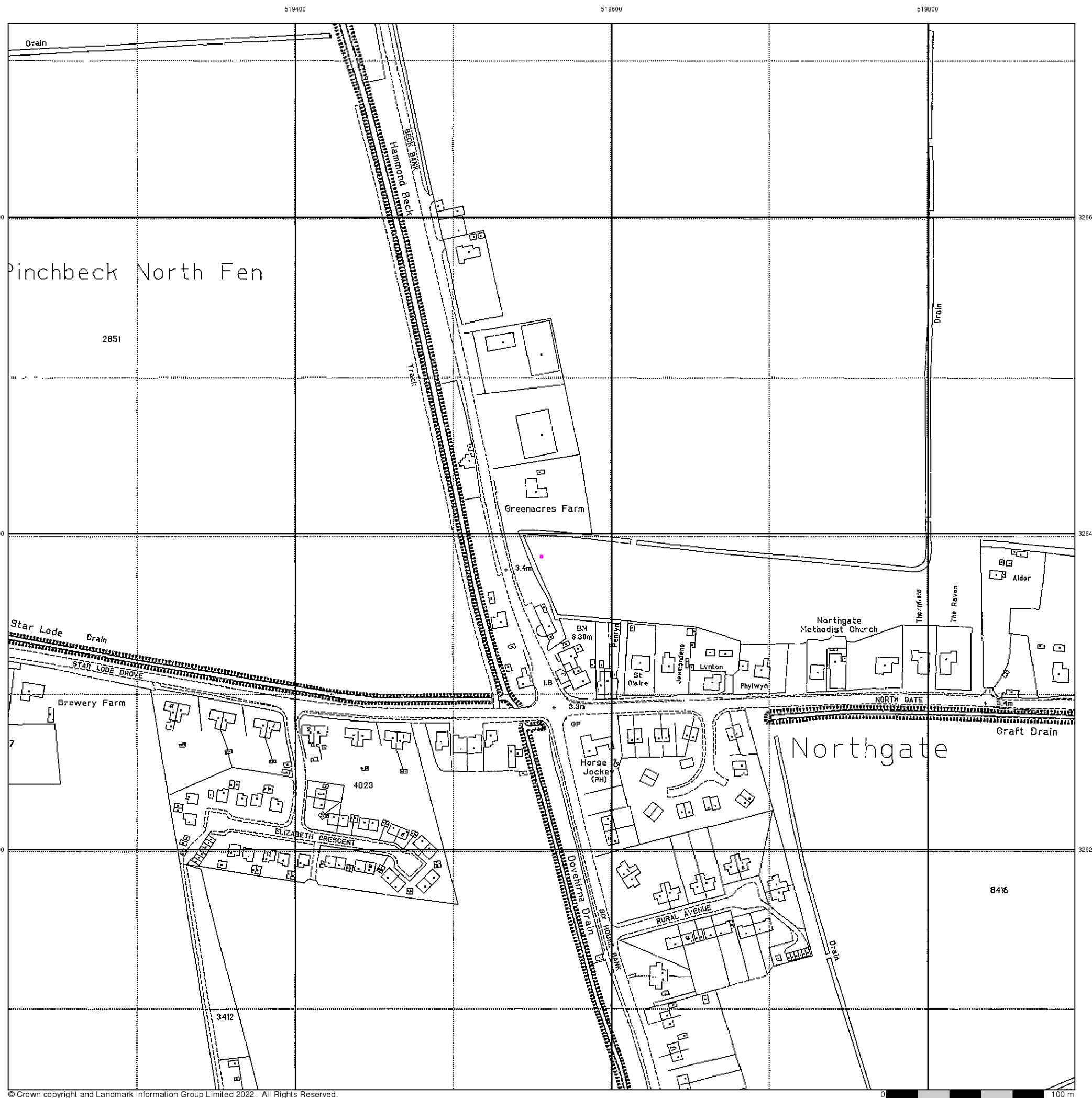
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Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.01  
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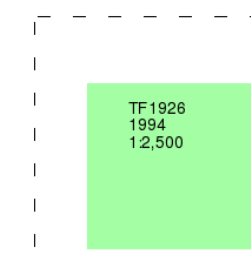
## Large-Scale National Grid Data

Published 1994

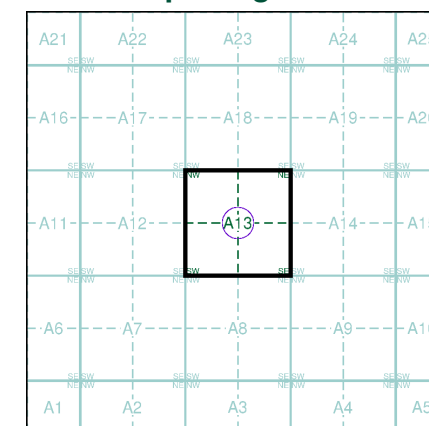
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

Order Number: 291833359\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.01  
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# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

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

## Ordnance Survey Plan 1:10,000

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

## 1:10,000 Raster Mapping

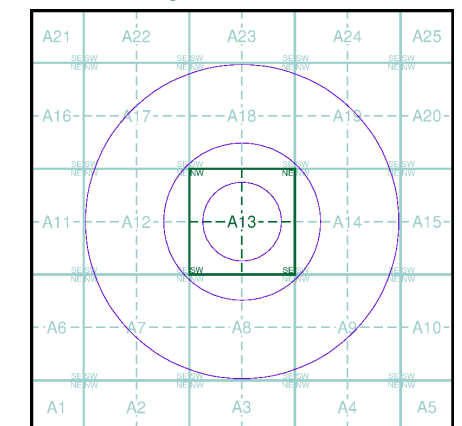
|  |                                                          |  |                                            |
|--|----------------------------------------------------------|--|--------------------------------------------|
|  | Gravel Pit                                               |  | Refuse tip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



## Historical Mapping & Photography included:

| Mapping Type         | Scale    | Date        | Pg |
|----------------------|----------|-------------|----|
| Lincolnshire         | 1:10,560 | 1887        | 2  |
| Lincolnshire         | 1:10,560 | 1906        | 3  |
| Lincolnshire         | 1:10,560 | 1906        | 4  |
| Lincolnshire         | 1:10,560 | 1938 - 1952 | 5  |
| Lincolnshire         | 1:10,560 | 1951        | 6  |
| Ordnance Survey Plan | 1:10,000 | 1956 - 1958 | 7  |
| Ordnance Survey Plan | 1:10,000 | 1975        | 8  |
| Ordnance Survey Plan | 1:10,000 | 1985        | 9  |
| Ordnance Survey Plan | 1:10,000 | 1990        | 10 |
| 10K Raster Mapping   | 1:10,000 | 2000        | 11 |
| 10K Raster Mapping   | 1:10,000 | 2006        | 12 |
| VectorMap Local      | 1:10,000 | 2021        | 13 |

## Historical Map - Slice A



## Order Details

Order Number: 291833359\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.01  
Search Buffer (m): 1000

## Site Details

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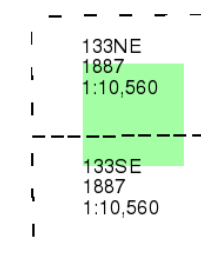
Lincolnshire

Published 1887

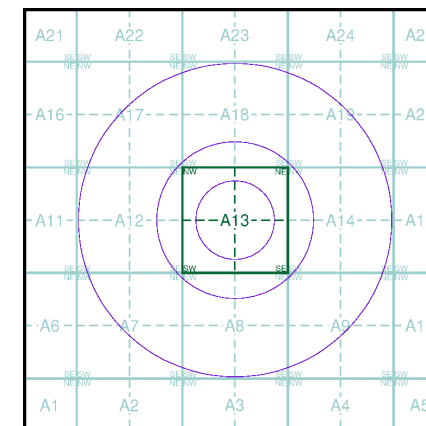
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 291833359\_1\_1  
Customer Ref: R22007  
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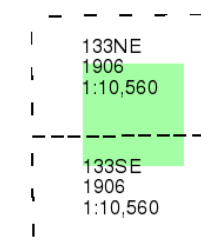
Lincolnshire

Published 1906

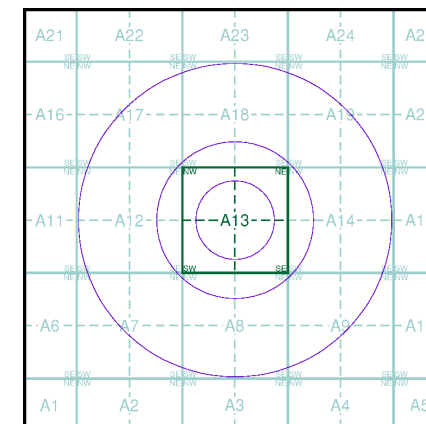
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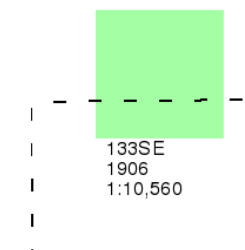
Lincolnshire

Published 1906

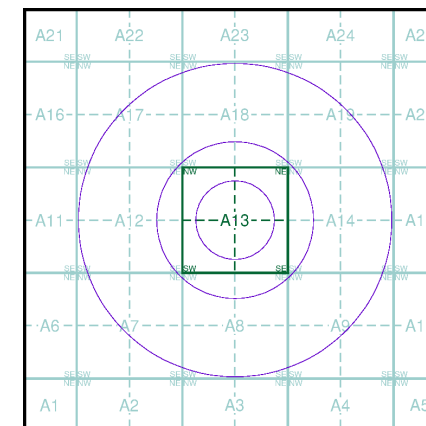
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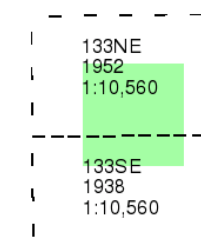
Lincolnshire

Published 1938 - 1952

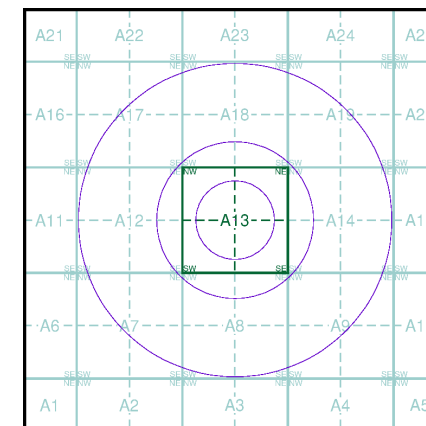
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Historical Map - Slice A



Order Details

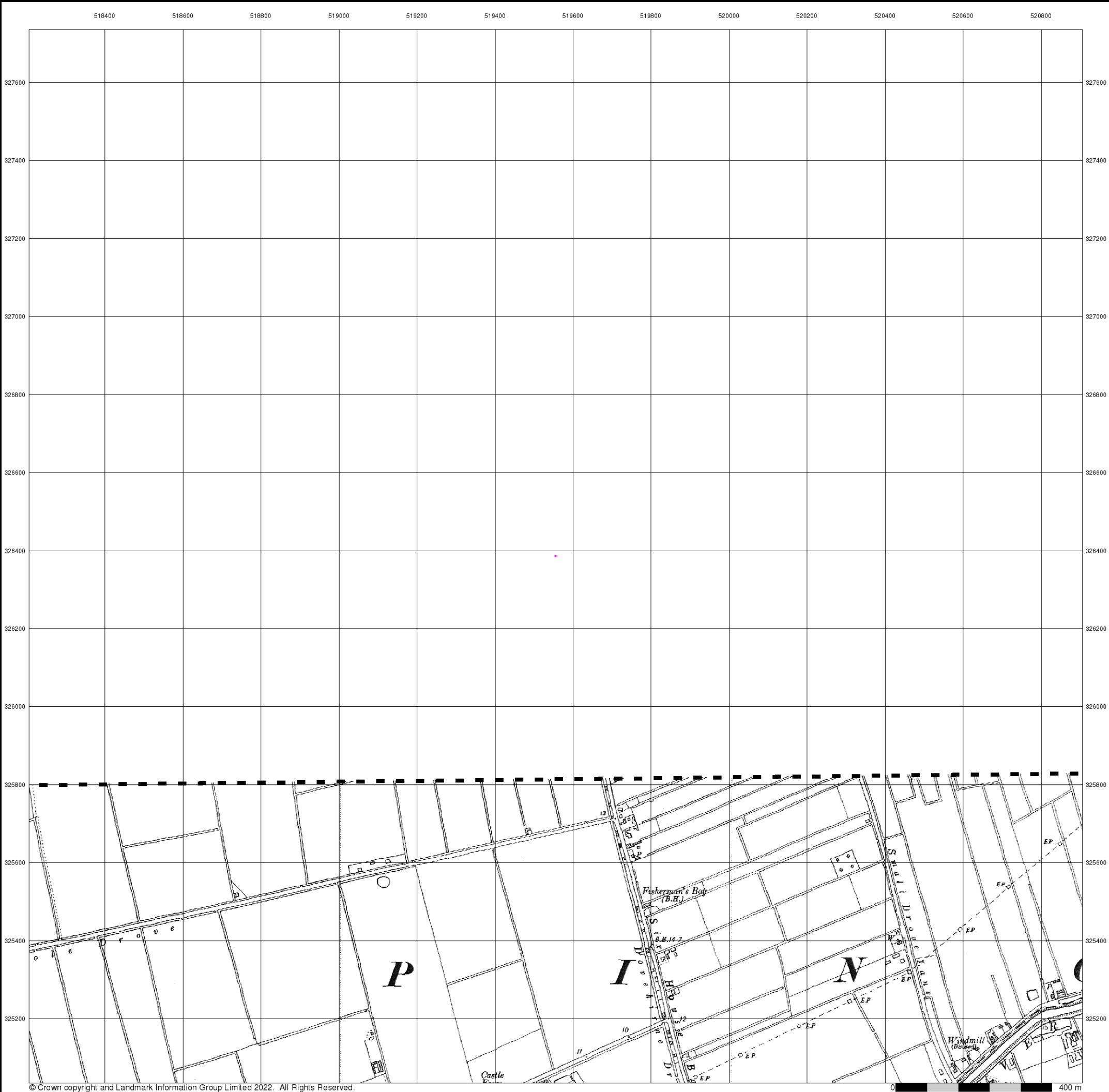
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Customer Ref: R22007  
National Grid Reference: 519560, 326390  
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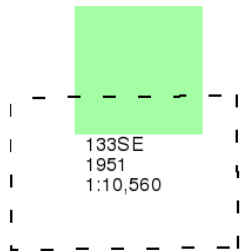
Lincolnshire

Published 1951

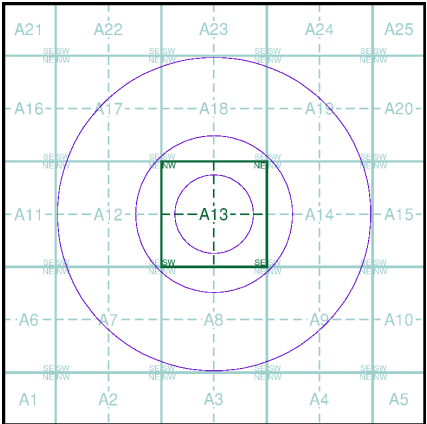
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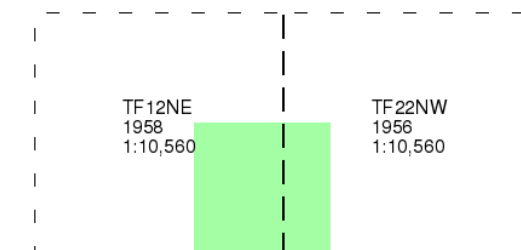
## Ordnance Survey Plan

Published 1956 - 1958

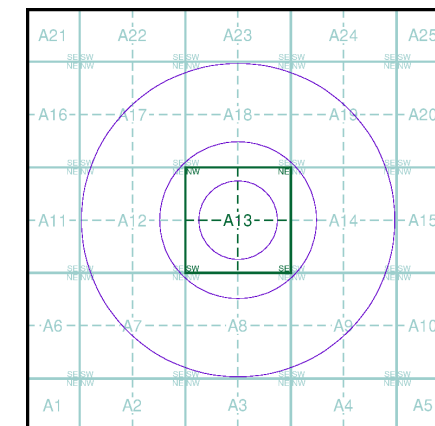
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)



## Historical Map - Slice A



## Order Details

Order Number: 291833359\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.01  
Search Buffer (m): 1000

## Site Details

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN

**Landmark**  
INFORMATION GROUP

Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





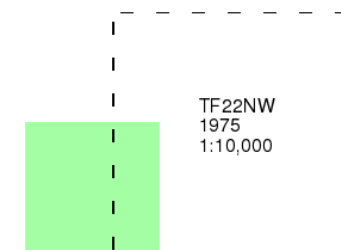
## Ordnance Survey Plan

Published 1975

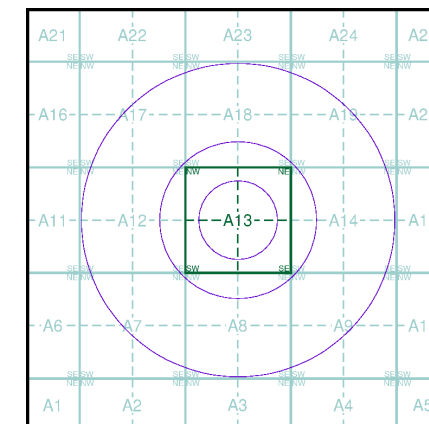
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

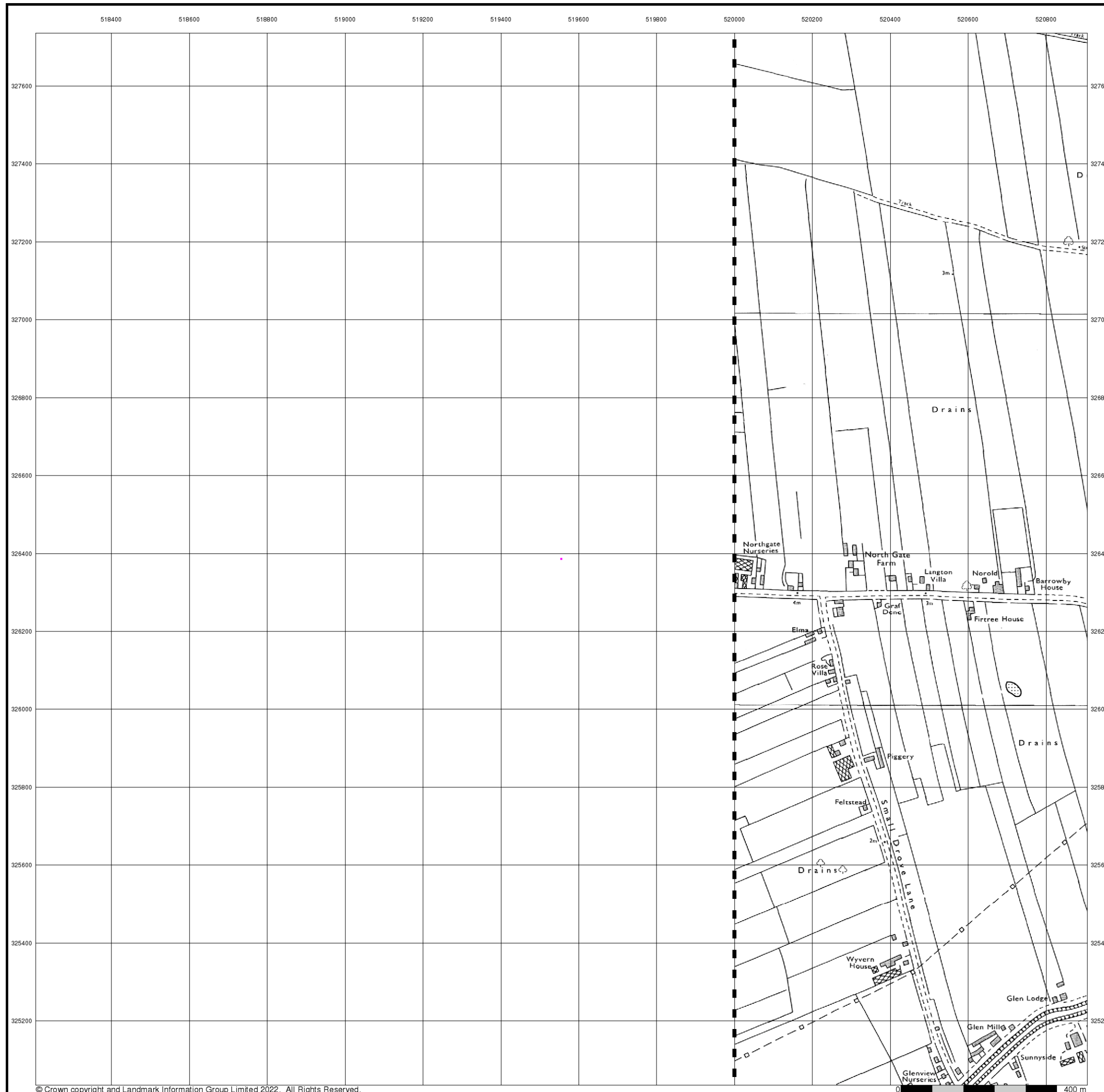
Order Number: 291833359\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.01  
Search Buffer (m): 1000

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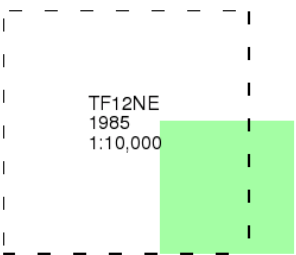




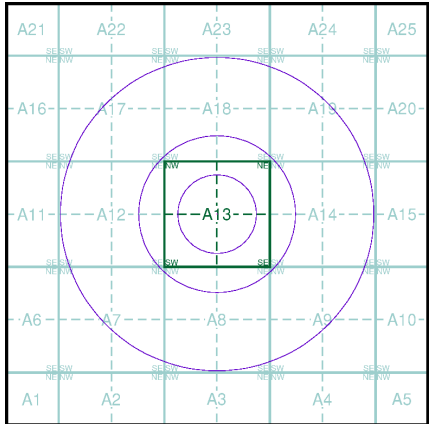
**Ordnance Survey Plan**  
**Published 1985**  
**Source map scale - 1:10,000**

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

**Map Name(s) and Date(s)**



**Historical Map - Slice A**



**Order Details**  
Order Number: 291833359\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.01  
Search Buffer (m): 1000

**Site Details**  
Beck Bank, West Pinchbeck, SPALDING, PE11 3QN



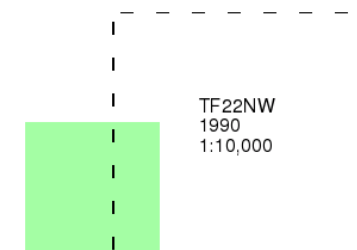
## Ordnance Survey Plan

Published 1990

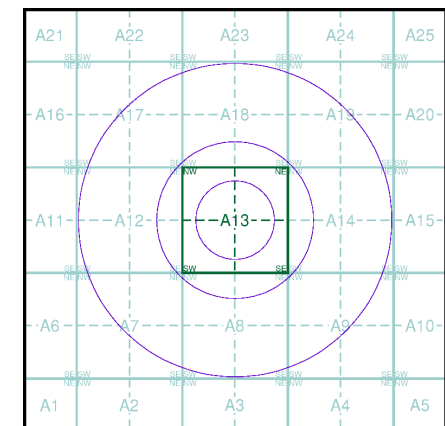
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)



## Historical Map - Slice A



## Order Details

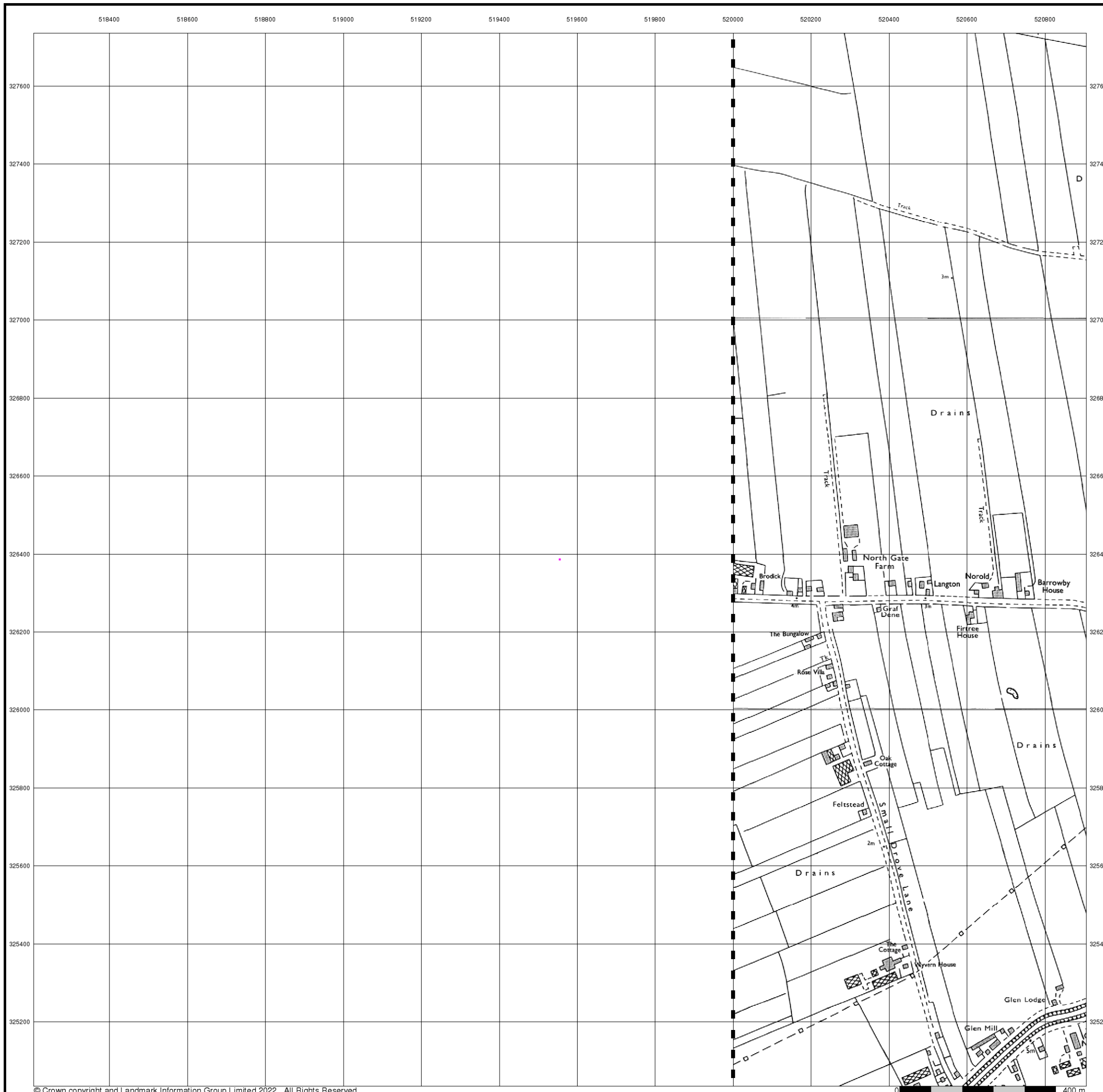
Order Number: 291833359\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.01  
Search Buffer (m): 1000

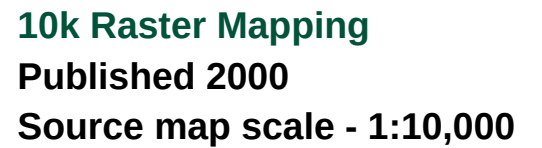
## Site Details

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN

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Map Name(s) and Date(s)



## Site Details

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A Landmark Information Group Service v50.0 28-Feb-2022 Page 11 of 13





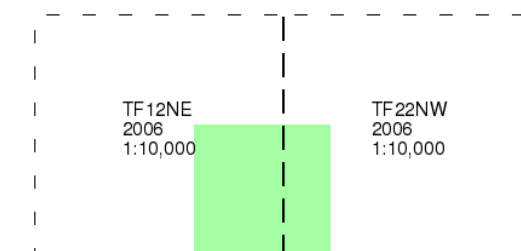
## 10k Raster Mapping

Published 2006

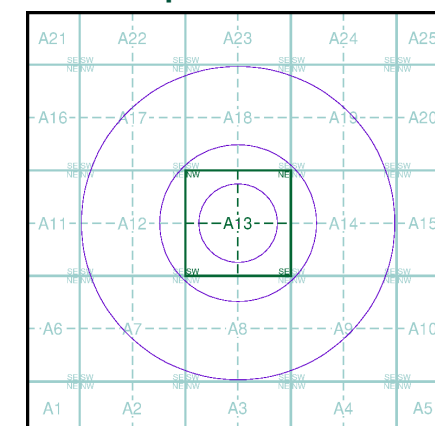
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

Order Number: 291833359\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.01  
Search Buffer (m): 1000

### Site Details

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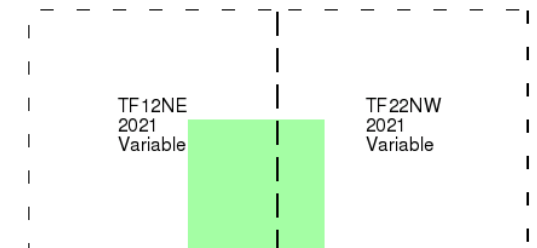
## VectorMap Local

Published 2021

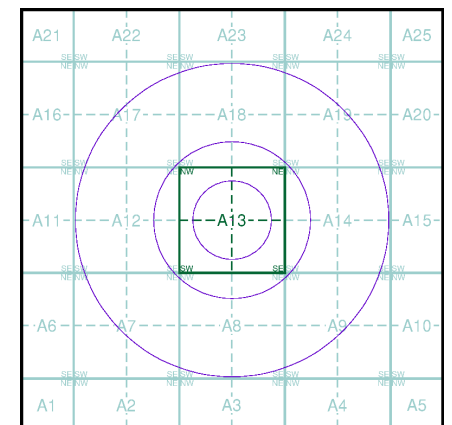
Source map scale - 1:10,000

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

## Map Name(s) and Date(s)



## Historical Map - Slice A



## Order Details

Order Number: 291833359\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.01  
Search Buffer (m): 1000

## Site Details

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN

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# Envirocheck<sup>®</sup> Report:

## Datasheet

### Order Details:

**Order Number:**

291479920\_1\_1

**Customer Reference:**

R22007

**National Grid Reference:**

519560, 326390

**Slice:**

A

**Site Area (Ha):**

0.3

**Search Buffer (m):**

1000

### Site Details:

Beck Bank

West Pinchbeck

SPALDING

PE11 3QN

### Client Details:

Mr A Hare

Grange Geo Consulting Ltd

43 Winchilsea Avenue

Newark

Nottinghamshire

NG24 4AD

| Report Section        | Page Number |
|-----------------------|-------------|
| Summary               | -           |
| Agency & Hydrological | 1           |
| Waste                 | 53          |
| Hazardous Substances  | -           |
| Geological            | 54          |
| Industrial Land Use   | 56          |
| Sensitive Land Use    | 58          |
| Data Currency         | 59          |
| Data Suppliers        | 65          |
| Useful Contacts       | 66          |

## 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) |
|---------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Agency &amp; Hydrological</b>                              |             |         |           |             |                             |
| BGS Groundwater Flooding Susceptibility                       |             |         |           |             | n/a                         |
| Contaminated Land Register Entries and Notices                |             |         |           |             |                             |
| Discharge Consents                                            | pg 1        |         | 15        | 9           | 12                          |
| 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 9        |         | Yes       |             |                             |
| Pollution Incidents to Controlled Waters                      | pg 10       |         | 2         |             | 2                           |
| 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 10       |         |           | 1           | 8 (*55)                     |
| Water Industry Act Referrals                                  |             |         |           |             |                             |
| Groundwater Vulnerability Map                                 | pg 26       | 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 26       | Yes     | n/a       | n/a         | n/a                         |
| Superficial Aquifer Designations                              | pg 26       | Yes     | n/a       | n/a         | n/a                         |
| Source Protection Zones                                       | pg 27       |         |           |             | 2                           |
| Extreme Flooding from Rivers or Sea without Defences          | pg 27       | Yes     | Yes       | n/a         | n/a                         |
| Flooding from Rivers or Sea without Defences                  | pg 27       | 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 27       |         | 16        | 37          | 175                         |

| Data Type                                                           | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Waste</b>                                                        |             |         |           |             |                             |
| BGS Recorded Landfill Sites                                         |             |         |           |             |                             |
| Historical Landfill Sites                                           |             |         |           |             |                             |
| Integrated Pollution Control Registered Waste Sites                 |             |         |           |             |                             |
| Licensed Waste Management Facilities (Landfill Boundaries)          |             |         |           |             |                             |
| Licensed Waste Management Facilities (Locations)                    |             |         |           |             |                             |
| Local Authority Landfill Coverage                                   | pg 53       | 2       | n/a       | n/a         | n/a                         |
| Local Authority Recorded Landfill Sites                             |             |         |           |             |                             |
| Potentially Infilled Land (Non-Water)                               |             |         |           |             |                             |
| Potentially Infilled Land (Water)                                   | pg 53       |         |           | 1           | 1                           |
| Registered Landfill Sites                                           |             |         |           |             |                             |
| Registered Waste Transfer Sites                                     |             |         |           |             |                             |
| Registered Waste Treatment or Disposal Sites                        |             |         |           |             |                             |
| <b>Hazardous Substances</b>                                         |             |         |           |             |                             |
| Control of Major Accident Hazards Sites (COMAH)                     |             |         |           |             |                             |
| Explosive Sites                                                     |             |         |           |             |                             |
| Notification of Installations Handling Hazardous Substances (NIHHS) |             |         |           |             |                             |
| Planning Hazardous Substance Consents                               |             |         |           |             |                             |
| Planning Hazardous Substance Enforcements                           |             |         |           |             |                             |

| Data Type                                                         | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|-------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Geological</b>                                                 |             |         |           |             |                             |
| BGS 1:625,000 Solid Geology                                       | pg 54       | Yes     | n/a       | n/a         | n/a                         |
| BGS Estimated Soil Chemistry                                      | pg 54       | 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 54       | Yes     |           | n/a         | n/a                         |
| Potential for Ground Dissolution Stability Hazards                |             |         |           | n/a         | n/a                         |
| Potential for Landslide Ground Stability Hazards                  | pg 54       | Yes     |           | n/a         | n/a                         |
| Potential for Running Sand Ground Stability Hazards               | pg 55       | Yes     |           | n/a         | n/a                         |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 55       | 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                         |
| <b>Industrial Land Use</b>                                        |             |         |           |             |                             |
| Contemporary Trade Directory Entries                              | pg 56       |         | 1         | 1           | 1                           |
| Fuel Station Entries                                              |             |         |           |             |                             |
| Points of Interest - Commercial Services                          | pg 56       |         | 1         |             |                             |
| Points of Interest - Education and Health                         |             |         |           |             |                             |
| Points of Interest - Manufacturing and Production                 | pg 56       |         | 2         | 5           | 3                           |
| Points of Interest - Public Infrastructure                        |             |         |           |             |                             |
| 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) |
|--------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Sensitive Land Use</b>            |             |         |           |             |                             |
| 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 58       | 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      | <b>Discharge Consents</b><br>Operator: Mr Paul Michael Hobby & Mrs Claire Elizabeth Hobby<br>Property Type: Domestic Property (Single)<br>Location: Beck House Beck Bank, West Pinchbeck, Spalding, Lincs, Pe11 3qn<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prnnf12367<br>Permit Version: 1<br>Effective Date: 30th November 1999<br>Issued Date: 26th January 2000<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Culv Tributary Of Hammond Beck<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A13NW (W)                              | 22                           | 1       | 519510 326400 |
| 1      | <b>Discharge Consents</b><br>Operator: Nestwood Homes Developments Ltd<br>Property Type: Sewage Disposal Works - Other<br>Location: Plot 2 Beck Bank West Pinchbeck, Spalding, Lincolnshire<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prnnf12367<br>Permit Version: 1<br>Effective Date: 30th November 1999<br>Issued Date: 26th January 2000<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Culv Tributary Of Hammond Beck<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m                         | A13NW (W)                              | 22                           | 1       | 519510 326400 |
| 1      | <b>Discharge Consents</b><br>Operator: Nestwood Homes Developments Ltd<br>Property Type: Domestic Property (Single)<br>Location: Beck Bank Plot 1 West Pinchbeck, Spalding, Lincolnshire, Pe11 3qn<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prnnf12368<br>Permit Version: 1<br>Effective Date: 30th November 1999<br>Issued Date: 27th January 2000<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Culv'D Trib Of The Hammond Brk<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m                  | A13SW (W)                              | 24                           | 1       | 519510 326390 |
| 1      | <b>Discharge Consents</b><br>Operator: Nestwood Homes Developments Ltd<br>Property Type: Sewage Disposal Works - Other<br>Location: Beck Bank West Pinchbeck, Spalding, Lincolnshire<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prnnf12368<br>Permit Version: 1<br>Effective Date: 30th November 1999<br>Issued Date: 27th January 2000<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Culv'D Trib Of The Hammond Brk<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m                                | A13SW (W)                              | 24                           | 1       | 519510 326390 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 2      | <b>Discharge Consents</b><br>Operator: Nestwood Homes Developments Ltd<br>Property Type: Domestic Property (Single)<br>Location: Beck Bank Plot 3 Plot Next To Corner House, West Pinchbeck, Spalding, Lincolnshire, Pe11 3qn<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prnnf12369<br>Permit Version: 1<br>Effective Date: 30th November 1999<br>Issued Date: 26th January 2000<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Culv Trib Of The Hammond Beck<br><b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b><br>Positional Accuracy: Located by supplier to within 10m                   | A13SW (SW)                             | 31                           | 1       | 519520 326340 |
| 2      | <b>Discharge Consents</b><br>Operator: Nestwood Homes Developments Ltd<br>Property Type: Domestic Property (Single)<br>Location: Corner House, Beck Bank West Pinchbeck, Spalding, Lincolnshire, Pe11 3te<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prnnf12370<br>Permit Version: 1<br>Effective Date: 30th November 1999<br>Issued Date: 26th January 2000<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Culv Tributary Of Hammond Beck<br><b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A13SW (SW)                             | 31                           | 1       | 519520 326340 |
| 2      | <b>Discharge Consents</b><br>Operator: Nestwood Homes Developments Ltd<br>Property Type: Sewage Disposal Works - Other<br>Location: Plot 3 (Next To Corner House) Beck Bank, West Pinchbeck, Spalding, Lincolnshire<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prnnf12369<br>Permit Version: 1<br>Effective Date: 30th November 1999<br>Issued Date: 26th January 2000<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Culv Trib Of The Hammond Beck<br><b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b><br>Positional Accuracy: Located by supplier to within 10m                             | A13SW (SW)                             | 31                           | 1       | 519520 326340 |
| 2      | <b>Discharge Consents</b><br>Operator: Nestwood Homes Developments Ltd<br>Property Type: Sewage Disposal Works - Other<br>Location: The Corner House Beck Bank West Pinchbeck, Spalding, Lincolnshire<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prnnf12370<br>Permit Version: 1<br>Effective Date: 30th November 1999<br>Issued Date: 26th January 2000<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Culv Tributary Of Hammond Beck<br><b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m     | A13SW (SW)                             | 31                           | 1       | 519520 326340 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 3      | <b>Discharge Consents</b><br>Operator: Horse & Jockey Mews (W.Pinchbeck) Mngmnt Co. Ltd<br>Property Type: Domestic Property (Multiple)<br>Location: Northgate/Six House Bank, West Pinchbeck, Spalding, Lincs, Pe11 3tb<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prmnf/18429<br>Permit Version: 1<br>Effective Date: 10th November 2005<br>Issued Date: 10th November 2005<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: A Tributary Of Graft Drain<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A13SE (S)                              | 71                           | 1       | 519600<br>326280 |
| 3      | <b>Discharge Consents</b><br>Operator: Tassach Contractors Ltd<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Northgate-W Pinchbeck, Pinchbeck, Spalding, Pe11<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Supplied<br>Reference: Pr3nf500<br>Permit Version: 1<br>Effective Date: 16th December 1987<br>Issued Date: 16th December 1987<br>Revocation Date: 14th May 1992<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Drain<br>Environment:<br>Receiving Water: Graft Drain<br><b>Status:</b> <b>Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                                             | A13SE (SE)                             | 71                           | 1       | 519610<br>326280 |
| 4      | <b>Discharge Consents</b><br>Operator: Mr And Mrs Porter<br>Property Type: Domestic Property (Single)<br>Location: Cherrytree Cottage Northgate, West Pinchbeck, Spalding, Lincolnshire, Pe11 3tb<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prmnf12269<br>Permit Version: 1<br>Effective Date: 8th April 1999<br>Issued Date: 27th August 1999<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: The Graft Drain<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m                                         | A13SE (SE)                             | 111                          | 1       | 519714<br>326316 |
| 4      | <b>Discharge Consents</b><br>Operator: Mr J W Woodcock & Mrs L J Woodcock<br>Property Type: Domestic Property (Single)<br>Location: Limewood House 13 Northgate, Pinchbeck, Spalding, Lincs, Pe11 3tb<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prmnf09470<br>Permit Version: 1<br>Effective Date: 10th December 1992<br>Issued Date: 10th December 1992<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Trib Graft Drain<br><b>Status:</b> <b>Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 10m                                                          | A13SE (SE)                             | 120                          | 1       | 519699<br>326272 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 5      | <b>Discharge Consents</b><br>Operator: Mr Christopher Maplethorpe<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Plot Adjacent Old 'Horse & Jockey' B Six House Bank, West Pinchbeck, Spalding, Lincs, Pe11 3qg<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prmnf18699<br>Permit Version: 1<br>Effective Date: 4th February 2007<br>Issued Date: 16th February 2007<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Tributary Of South Forty Footn<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A13SW (S)                              | 137                          | 1       | 519550 326220 |
| 6      | <b>Discharge Consents</b><br>Operator: Mr S Perry<br>Property Type: Domestic Property (Single)<br>Location: Anjeli Chapel Northgate, West Pinchbeck, Spalding, Lincolnshire, Pe11 3tb<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prmnf12601<br>Permit Version: 1<br>Effective Date: 25th May 2001<br>Issued Date: 29th March 2001<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Tributary Of Star Lode Drain<br><b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m                                                                        | A13NE (E)                              | 154                          | 1       | 519750 326410 |
| 7      | <b>Discharge Consents</b><br>Operator: Lincolnshire C.C.<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Bungalow Starlode Drove, Pinchbeck, Spalding, Pe11 3td<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Supplied<br>Reference: Pr3lfu469<br>Permit Version: 1<br>Effective Date: 17th September 1970<br>Issued Date: 17th September 1970<br>Revocation Date: 1st October 1996<br>Discharge Type: Unknown<br>Discharge: Onto Land<br>Environment:<br>Receiving Water: Land<br><b>Status:</b> <b>Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b><br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                                                                              | A13NW (W)                              | 229                          | 1       | 519300 326400 |
| 8      | <b>Discharge Consents</b><br>Operator: Newspruce Property Management<br>Property Type: FOOD+BEVERAGE SERVICES/CAFE/RESTAURANT/PUB<br>Location: Adj Horse & Jockey Ph Northgate, West Pinchbeck, Spalding, Pe11 3tb<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prmnf03331<br>Permit Version: 2<br>Effective Date: 19th February 1992<br>Issued Date: 19th February 1992<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Graft Drain<br><b>Status:</b> <b>Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                | A13SE (SE)                             | 261                          | 1       | 519850 326250 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 8      | <b>Discharge Consents</b><br>Operator: Tassach Contractors Ltd<br>Property Type: FOOD+BEVERAGE SERVICES/CAFE/RESTAURANT/PUB<br>Location: Adj Horse & Jockey Ph Northgate, West Pinchbeck, Spalding, Pe11 3tb<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Supplied<br>Reference: Prmnf03331<br>Permit Version: 1<br>Effective Date: 17th August 1990<br>Issued Date: 17th August 1990<br>Revocation Date: 18th February 1992<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Not Supplied<br>Environment:<br>Receiving Water: Not Supplied<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 10m                                                                 | A13SE (SE)                             | 261                          | 1       | 519850 326250 |
| 9      | <b>Discharge Consents</b><br>Operator: South Holland D.C.<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Rural Ave., Pinchbeck, Spalding (Site 2206) Pe11 3qh, Pe11 3qh<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prmnf09360<br>Permit Version: 1<br>Effective Date: 26th March 1992<br>Issued Date: 26th March 1992<br>Revocation Date: 24th August 2005<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Trib Dovehirne Dyke<br><b>Status:</b> Consent revoked or revised: New Consent issued (Section 37(1))<br>Positional Accuracy: Located by supplier to within 100m                                      | A8NW (SW)                              | 399                          | 1       | 519370 326000 |
| 9      | <b>Discharge Consents</b><br>Operator: South Holland D.C.<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Elizabeth Crescent Stw, West Pinchbeck. (Site 2205), Pe11 3te<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Pr3nff1122<br>Permit Version: 2<br>Effective Date: 26th March 1992<br>Issued Date: 26th March 1992<br>Revocation Date: 25th August 2005<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Trib Dovehirne Dyke<br><b>Status:</b> Consent revoked or revised: New Consent issued (Section 37(1))<br>Positional Accuracy: Located by supplier to within 100m                                       | A8NW (SW)                              | 403                          | 1       | 519360 326000 |
| 9      | <b>Discharge Consents</b><br>Operator: South Holland Council<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Elizabeth Crescent Stw, West Pinchbeck. (Site 2205), Pe11 3te<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prmnf18395<br>Permit Version: 1<br>Effective Date: 26th August 2005<br>Issued Date: 17th October 2005<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Trib Dovehirne Dyke<br><b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 10m | A8NW (SW)                              | 412                          | 1       | 519360 325990 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 10     | <b>Discharge Consents</b><br>Operator: South Holland D.C.<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Elizabeth Crescent Stw, West Pinchbeck. (Site 2205), Pe11 3te<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Pr3nff1122<br>Permit Version: 1<br>Effective Date: 21st May 1975<br>Issued Date: 21st May 1975<br>Revocation Date: 25th March 1992<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Trib Dovehirne Dyke<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 100m            | A8NW (SW)                              | 434                          | 1       | 519300<br>326000 |
| 11     | <b>Discharge Consents</b><br>Operator: Mrs M Thorpe<br>Property Type: Domestic Property (Single)<br>Location: The Brock Six House Bank, West Pinchbeck, Lincs., Pe11 3qq<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Given<br>Reference: Pmnf09554<br>Permit Version: 2<br>Effective Date: 19th October 1993<br>Issued Date: 19th October 1993<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Dovehirne Drain<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 100m                                                                       | A8NE (S)                               | 452                          | 1       | 519640<br>325900 |
| 11     | <b>Discharge Consents</b><br>Operator: Mrs M Thorpe<br>Property Type: Domestic Property (Single)<br>Location: The Brock Six House Bank, West Pinchbeck, Lincs., Pe11 3qq<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Supplied<br>Reference: Pmnf09554<br>Permit Version: 1<br>Effective Date: 23rd June 1993<br>Issued Date: 23rd June 1993<br>Revocation Date: 18th October 1993<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Drain<br>Environment:<br>Receiving Water: Dovehirne Drain<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 10m                                                                                        | A8NE (S)                               | 452                          | 1       | 519640<br>325900 |
| 12     | <b>Discharge Consents</b><br>Operator: Hawthorne Homes Ltd<br>Property Type: Domestic Property (Single)<br>Location: Dwelling Adj To The Hawthorns Northgate, West Pinchbeck, Spalding, Pe11 3bt<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Pmnf18437<br>Permit Version: 1<br>Effective Date: 17th August 2005<br>Issued Date: 23rd August 2005<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Graft Drain<br><b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 10m | A14SW (E)                              | 498                          | 1       | 520100<br>326270 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 13     | <b>Discharge Consents</b><br>Operator: Hacconby Farming Co<br>Property Type: Not Supplied<br>Location: Farmstead, Northgate<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Supplied<br>Reference: Pr3nfa1291<br>Permit Version: 1<br>Effective Date: 15th July 1963<br>Issued Date: 15th July 1963<br>Revocation Date: 12th June 1991<br>Discharge Type: Unknown<br>Discharge: Not Supplied<br>Environment: Not Supplied<br>Receiving Water: Not Supplied<br><b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b><br>Positional Accuracy: Approximate location provided by supplier                                              | A9NW (SE)                              | 525                          | 1       | 520000<br>326000 |
| 13     | <b>Discharge Consents</b><br>Operator: Messrs Smith Gore (Fao Mr P R Hutton)<br>Property Type: Not Supplied<br>Location: Farmstead, Northgate<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Supplied<br>Reference: Pr3nfa1292<br>Permit Version: 1<br>Effective Date: 15th July 1963<br>Issued Date: 15th July 1963<br>Revocation Date: 14th February 1991<br>Discharge Type: Unknown<br>Discharge: Not Supplied<br>Environment: Not Supplied<br>Receiving Water: Not Supplied<br><b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b><br>Positional Accuracy: Approximate location provided by supplier                        | A9NW (SE)                              | 525                          | 1       | 520000<br>326000 |
| 13     | <b>Discharge Consents</b><br>Operator: The Hacconby Farming Co<br>Property Type: Not Supplied<br>Location: Farmstead, Northgate<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Supplied<br>Reference: Pr3nfa1293<br>Permit Version: 1<br>Effective Date: 15th July 1963<br>Issued Date: 15th July 1963<br>Revocation Date: 14th February 1991<br>Discharge Type: Unknown<br>Discharge: Not Supplied<br>Environment: Not Supplied<br>Receiving Water: Not Supplied<br><b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b><br>Positional Accuracy: Approximate location provided by supplier                                      | A9NW (SE)                              | 525                          | 1       | 520000<br>326000 |
| 14     | <b>Discharge Consents</b><br>Operator: Mr & Mrs J Carter<br>Property Type: Domestic Property (Single)<br>Location: Rose Villa Small Drove Lane, West Pinchbeck, Spalding, Lincs, Pe11 3nl<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Supplied<br>Reference: Pr3lf234<br>Permit Version: 2<br>Effective Date: 14th December 2011<br>Issued Date: 14th December 2011<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Land/Soakaway<br>Environment: Land<br>Receiving Water: Land<br><b>Status: Varied under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m | A14SW (SE)                             | 650                          | 1       | 520200<br>326080 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 14     | <b>Discharge Consents</b><br>Operator: Mr & Mrs J Carter<br>Property Type: Domestic Property (Single)<br>Location: Rose Villa Small Drove Lane, West Pinchbeck, Spalding, Lincs, Pe11 3nl<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Supplied<br>Reference: Pr3lf234<br>Permit Version: 1<br>Effective Date: 23rd April 1986<br>Issued Date: 23rd April 1986<br>Revocation Date: 13th December 2011<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Land/Soakaway<br>Environment: Land<br>Receiving Water: Land<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 10m                    | A14SW (SE)                             | 650                          | 1       | 520200<br>326080 |
| 15     | <b>Discharge Consents</b><br>Operator: Lincolnshire County Council<br>Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)<br>Location: Proctors Farm Starlode Drove, West Pinchbeck, Spalding, Pe11 3td<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Supplied<br>Reference: Pr3lf69<br>Permit Version: 1<br>Effective Date: 31st May 1985<br>Issued Date: 31st May 1985<br>Revocation Date: 1st October 1996<br>Discharge Type: Unknown<br>Discharge: Onto Land<br>Environment: Land<br>Receiving Water: Land<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 100m                                                        | A12SW (W)                              | 837                          | 1       | 518700<br>326300 |
| 16     | <b>Discharge Consents</b><br>Operator: J T Peach & Son Ltd<br>Property Type: Arable Farming<br>Location: Glenside South West Pinchbeck, Spalding, Lincs, Pe11 3nh<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Catchment 29 Unknown Detail<br>Reference: Gwnlf40627<br>Permit Version: 1<br>Effective Date: 1st April 1999<br>Issued Date: 18th July 2000<br>Revocation Date: Not Supplied<br>Discharge Type: Trade Discharge - Agricultural And Surface<br>Discharge: Onto Land<br>Environment: Groundwater<br>Receiving Water: Groundwater<br><b>Status:</b> Deemed Groundwater Regulations Authorisation<br>Positional Accuracy: Located by supplier to within 100m                                                                       | A8SW (S)                               | 857                          | 1       | 519500<br>325500 |
| 17     | <b>Discharge Consents</b><br>Operator: Mr A Dungarwalla<br>Property Type: Domestic Property (Single)<br>Location: Six House Bank No.109 West Pinchbeck, Spalding, Lincs, Pe11 3qg<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Given<br>Reference: Pmnnf03140<br>Permit Version: 2<br>Effective Date: 24th March 1992<br>Issued Date: 24th March 1992<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment: Dovehirne Drain<br>Receiving Water: Dovehirne Drain<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 100m | A8SE (S)                               | 880                          | 1       | 519740<br>325480 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 17     | <b>Discharge Consents</b><br>Operator: Terry W Parsons<br>Property Type: Domestic Property (Single)<br>Location: Six House Bank No.109 West Pinchbeck, Spalding, Lincs, Pe11 3qg<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Not Supplied<br>Reference: Prnnf03140<br>Permit Version: 1<br>Effective Date: 9th August 1990<br>Issued Date: 9th August 1990<br>Revocation Date: 23rd March 1992<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Not Supplied<br>Environment:<br>Receiving Water: Not Supplied<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 10m                                                                             | A8SE (S)                               | 880                          | 1       | 519740 325480 |
| 17     | <b>Discharge Consents</b><br>Operator: Mr & Mrs C A Smith<br>Property Type: Domestic Property (Single)<br>Location: Six House Bank No.112 West Pinchbeck, Spalding, Lincolnshire, Lincs, Pe11 3qg<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prnnf18563<br>Permit Version: 1<br>Effective Date: 10th June 2006<br>Issued Date: 10th July 2006<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Dovehirne Drain<br><b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 917                          | 1       | 519780 325450 |
| 18     | <b>Discharge Consents</b><br>Operator: Mr A Dunganwalla<br>Property Type: Domestic Property (Single)<br>Location: Six House Bank No.109 West Pinchbeck, Spalding, Lincs, Pe11 3qg<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Prnnf18736<br>Permit Version: 1<br>Effective Date: 25th April 2007<br>Issued Date: 21st May 2007<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Unnamed Tributary Of South Fon<br><b>Status:</b> New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)<br>Positional Accuracy: Located by supplier to within 10m  | A8SE (S)                               | 903                          | 1       | 519810 325470 |
| 19     | <b>Discharge Consents</b><br>Operator: James Hall<br>Property Type: Domestic Property (Single)<br>Location: Bungalow At Plot 4 Plot 4, Six House Bank, West Pinchbeck, Spalding, Pe11 3qg<br>Authority: Environment Agency, Anglian Region<br>Catchment Area: Low River Witham / South Forty Foot<br>Reference: Pr5lf5524<br>Permit Version: 1<br>Effective Date: 26th April 1988<br>Issued Date: 26th April 1988<br>Revocation Date: 1st October 1996<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company<br>Discharge: Land/Soakaway<br>Environment:<br>Receiving Water: Land<br><b>Status:</b> Pre National Rivers Authority Legislation where issue date < 01/09/1989<br>Positional Accuracy: Located by supplier to within 10m                                                     | A8SE (S)                               | 998                          | 1       | 519880 325390 |
|        | <b>Nearest Surface Water Feature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | A13NE (NE)                             | 5                            | -       | 519593 326399 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 20     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Other General Premises<br>Location: Lincoln District<br>Authority: Environment Agency, Anglian Region<br>Pollutant: Miscellaneous - Natural<br>Note: Graft Drain<br>Incident Date: 20th July 1994<br>Incident Reference: 1952<br>Catchment Area: Not Given<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Low Dissolved Oxygen<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                    | A13SE (S)                              | 51                           | 1       | 519600<br>326300 |
| 20     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Other General Premises<br>Location: Lincoln District<br>Authority: Environment Agency, Anglian Region<br>Pollutant: Miscellaneous - Natural<br>Note: Graft Drain<br>Incident Date: 21st July 1994<br>Incident Reference: 1962<br>Catchment Area: Not Given<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Low Dissolved Oxygen<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                    | A13SE (S)                              | 56                           | 1       | 519600<br>326295 |
| 21     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Spalding District<br>Authority: Environment Agency, Anglian Region<br>Pollutant: Unknown<br>Note: Boards Drain No 186187<br>Incident Date: 11th March 1992<br>Incident Reference: 1262<br>Catchment Area: Not Given<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                 | A14SW (E)                              | 610                          | 1       | 520200<br>326200 |
| 22     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Industrial: Other<br>Location: Lincoln District<br>Authority: Environment Agency, Anglian Region<br>Pollutant: Sewage - Septic Tank Effluent<br>Note: Tributary Of South Forty Foot<br>Incident Date: 25th April 1996<br>Incident Reference: 2432<br>Catchment Area: Not Given<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Inadequate Design/Capacity<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                          | A14SE (E)                              | 893                          | 1       | 520500<br>326300 |
| 23     | <b>Water Abstractions</b><br>Operator: Hacconby Farming Company<br>Licence Number: 4/30/12/*s/016<br>Permit Version: Not Supplied<br>Location: Hammond Beck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Spray Irrigation<br>Abstraction Type: Not Supplied<br>Source: Stream<br>Daily Rate (m3): 4<br>Yearly Rate (m3): 1136000<br>Details: Status: Perpetuity<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A13NW (NW)                             | 298                          | 1       | 519400<br>326700 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 24     | <b>Water Abstractions</b><br>Operator: Hacconby Farming Company<br>Licence Number: 4/30/12/*S/0016<br>Permit Version: 100<br>Location: Graft Drain(Idb Syst)Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st January 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A14SW (E)                              | 593                          | 1       | 520200<br>326300 |
| 25     | <b>Water Abstractions</b><br>Operator: John Grant (Donington)<br>Licence Number: An/030/0012/025<br>Permit Version: 1<br>Location: Hammond Beck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st August 2019<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                              | A18SW (N)                              | 651                          | 1       | 519352<br>327057 |
| 26     | <b>Water Abstractions</b><br>Operator: John Grant (Donington)<br>Licence Number: An/030/0012/025<br>Permit Version: 1<br>Location: Graft Drain(Idb Syst)Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st August 2019<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m            | A14SE (E)                              | 679                          | 1       | 520283<br>326274 |
| 27     | <b>Water Abstractions</b><br>Operator: Hacconby Farming Company<br>Licence Number: 4/30/12/*S/0016<br>Permit Version: 100<br>Location: Hammond Beck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st January 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                   | A18NW (N)                              | 707                          | 1       | 519300<br>327100 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 28     | <b>Water Abstractions</b><br>Operator: F. Tipler & Sons(Pinchbeck)Ltd<br>Licence Number: 4/30/12/*s/207<br>Permit Version: Not Supplied<br>Location: Riparian Dykes , PINCHBECK<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Spray Irrigation<br>Abstraction Type: Not Supplied<br>Source: Stream<br>Daily Rate (m3): 5<br>Yearly Rate (m3): 363690<br>Details: Status: Perpetuity<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                                                                        | A14SE (E)                              | 826                          | 1       | 520430 326265 |
| 29     | <b>Water Abstractions</b><br>Operator: F Tipler & Sons Pinchbeck Ltd<br>Licence Number: 4/30/12/*S/0207<br>Permit Version: 100<br>Location: Graft Drain(&Tribes)Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st April 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m  | A14SE (E)                              | 875                          | 1       | 520480 326270 |
| 29     | <b>Water Abstractions</b><br>Operator: F. Tipler & Sons(Pinchbeck)Ltd<br>Licence Number: 4/30/12/*s/207<br>Permit Version: Not Supplied<br>Location: Graft Drain(& Tribes) , PINCHBECK<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Spray Irrigation<br>Abstraction Type: Not Supplied<br>Source: Stream<br>Daily Rate (m3): 5<br>Yearly Rate (m3): 363690<br>Details: Status: Perpetuity<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                                                                 | A14SE (E)                              | 925                          | 1       | 520530 326270 |
| 30     | <b>Water Abstractions</b><br>Operator: F Tipler & Sons Pinchbeck Ltd<br>Licence Number: 4/30/12/*S/0207<br>Permit Version: 100<br>Location: Graft Drain(& Tribes)Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st April 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A15SW (E)                              | 985                          | 1       | 520590 326270 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: F Tipler & Sons Pinchbeck Ltd<br>Licence Number: 4/30/12/*S/0207<br>Permit Version: 100<br>Location: Riparian Dykes Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st April 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m    | A9SW (SE)                              | 1013                         | 1       | 520110 325470 |
|        | <b>Water Abstractions</b><br>Operator: Hacconby Farming Company<br>Licence Number: 4/30/12/*S/0016<br>Permit Version: 100<br>Location: New Drain(Idb System)Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st January 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A18NE (N)                              | 1037                         | 1       | 519900 327400 |
|        | <b>Water Abstractions</b><br>Operator: F. Tipler & Sons(Pinchbeck)Ltd<br>Licence Number: 4/30/12/*s/207<br>Permit Version: Not Supplied<br>Location: Graft Drain(& Tribs) , PINCHBECK<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Spray Irrigation<br>Abstraction Type: Not Supplied<br>Source: Stream<br>Daily Rate (m3): 5<br>Yearly Rate (m3): 363690<br>Details: Status: Perpetuity<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                                                               | A15SW (E)                              | 1044                         | 1       | 520650 326270 |
|        | <b>Water Abstractions</b><br>Operator: John Grant (Donington)<br>Licence Number: An/030/0012/025<br>Permit Version: 1<br>Location: New Drain(Idb System)Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st August 2019<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m            | A24SW (N)                              | 1059                         | 1       | 519947 327405 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: F Tipler & Sons Pinchbeck Ltd<br>Licence Number: 4/30/12/*S/0207<br>Permit Version: 100<br>Location: Riparian Dykes Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st April 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A9SE (SE)                              | 1090                         | 1       | 520390 325590 |
|        | <b>Water Abstractions</b><br>Operator: F. Tipler & Sons(Pinchbeck)Ltd<br>Licence Number: 4/30/12/*s/207<br>Permit Version: Not Supplied<br>Location: Riparian Dykes , PINCHBECK<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Spray Irrigation<br>Abstraction Type: Not Supplied<br>Source: Stream<br>Daily Rate (m3): 5<br>Yearly Rate (m3): 363690<br>Details: Status: Perpetuity<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                                                                  | A9SW (SE)                              | 1102                         | 1       | 520130 325380 |
|        | <b>Water Abstractions</b><br>Operator: John Grant (Donington)<br>Licence Number: An/030/0012/025<br>Permit Version: 1<br>Location: New Drain(Idb System)Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st August 2019<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m         | A19NW (NE)                             | 1121                         | 1       | 520189 327348 |
|        | <b>Water Abstractions</b><br>Operator: Hacconby Farming Company<br>Licence Number: 4/30/12/*s/016<br>Permit Version: Not Supplied<br>Location: New Drain(Idb System) , PINCHBECK<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Spray Irrigation<br>Abstraction Type: Not Supplied<br>Source: Stream<br>Daily Rate (m3): 4<br>Yearly Rate (m3): 1136000<br>Details: Status: Perpetuity<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                                                                | A19NW (NE)                             | 1122                         | 1       | 520100 327400 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: Hacconby Farming Company<br>Licence Number: 4/30/12/*s/016<br>Permit Version: Not Supplied<br>Location: New Drain(Idb System) , PINCHBECK<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Spray Irrigation<br>Abstraction Type: Not Supplied<br>Source: Stream<br>Daily Rate (m3): 4<br>Yearly Rate (m3): 1136000<br>Details: Status: Perpetuity<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                                                                     | A19NE (NE)                             | 1146                         | 1       | 520300 327300 |
|        | <b>Water Abstractions</b><br>Operator: F Tipler & Sons Pinchbeck Ltd<br>Licence Number: 4/30/12/*S/0207<br>Permit Version: 100<br>Location: Graft Drain(& Tribs)Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st April 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A15SW (E)                              | 1165                         | 1       | 520770 326260 |
|        | <b>Water Abstractions</b><br>Operator: F Tipler & Sons Pinchbeck Ltd<br>Licence Number: 4/30/12/*S/0207<br>Permit Version: 100<br>Location: Riparian Dykes Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st April 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m      | A9SE (SE)                              | 1168                         | 1       | 520410 325500 |
|        | <b>Water Abstractions</b><br>Operator: Hacconby Farming Company<br>Licence Number: 4/30/12/*S/0016<br>Permit Version: 100<br>Location: New Drain(Idb System)Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st January 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m   | A19NW (NE)                             | 1171                         | 1       | 520200 327400 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: F Tipler & Sons Pinchbeck Ltd<br>Licence Number: 4/30/12/*S/0207<br>Permit Version: 100<br>Location: Riparian Dykes Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st April 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m    | A4NW (SE)                              | 1177                         | 1       | 520140 325300 |
|        | <b>Water Abstractions</b><br>Operator: Hacconby Farming Company<br>Licence Number: 4/30/12/*S/0016<br>Permit Version: 100<br>Location: Graft Drain(Idb Syst)Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st January 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A15SW (E)                              | 1192                         | 1       | 520800 326300 |
|        | <b>Water Abstractions</b><br>Operator: Hacconby Farming Company<br>Licence Number: 4/30/12/*s/016<br>Permit Version: Not Supplied<br>Location: Graft Drain(Idb Syst) , PINCHBECK<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Spray Irrigation<br>Abstraction Type: Not Supplied<br>Source: Stream<br>Daily Rate (m3): 4<br>Yearly Rate (m3): 1136000<br>Details: Status: Perpetuity<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                                                                   | A19NE (NE)                             | 1211                         | 1       | 520400 327300 |
|        | <b>Water Abstractions</b><br>Operator: F. Tipler & Sons(Pinchbeck)Ltd<br>Licence Number: 4/30/12/*s/207<br>Permit Version: Not Supplied<br>Location: Graft Drain(&Tribes) , PINCHBECK<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Spray Irrigation<br>Abstraction Type: Not Supplied<br>Source: Stream<br>Daily Rate (m3): 5<br>Yearly Rate (m3): 363690<br>Details: Status: Perpetuity<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                                                               | A9SE (SE)                              | 1241                         | 1       | 520430 325420 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: F Tipler & Sons Pinchbeck Ltd<br>Licence Number: 4/30/12/*S/0207<br>Permit Version: 100<br>Location: Riparian Dykes Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st April 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A9SE (SE)                              | 1245                         | 1       | 520430 325415 |
|        | <b>Water Abstractions</b><br>Operator: Hacconby Farming Company<br>Licence Number: 4/30/12/*s/016<br>Permit Version: Not Supplied<br>Location: Graft Drain(Idb Syst) , PINCHBECK<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Spray Irrigation<br>Abstraction Type: Not Supplied<br>Source: Stream<br>Daily Rate (m3): 4<br>Yearly Rate (m3): 1136000<br>Details: Status: Perpetuity<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                                                                | A15SW (E)                              | 1292                         | 1       | 520900 326300 |
|        | <b>Water Abstractions</b><br>Operator: J E Atkinson & Son<br>Licence Number: 4/30/12/*G/0040b<br>Permit Version: 104<br>Location: Atkinsons Bore G<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 1st April 2021<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                      | A11NW (W)                              | 1565                         | 1       | 517972 326605 |
|        | <b>Water Abstractions</b><br>Operator: J E Atkinson & Son<br>Licence Number: 4/30/12/*G/0040b<br>Permit Version: 104<br>Location: Atkinsons Bore G<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Transfer Between Sources<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 1st April 2021<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                       | A11NW (W)                              | 1565                         | 1       | 517972 326605 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: J E Atkinson & Son<br>Licence Number: 4/30/12/*G/0040b<br>Permit Version: 103<br>Location: Atkinsons Bore G<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Transfer Between Sources<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 22nd August 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m  | A11NW (W)                              | 1565                         | 1       | 517972 326605 |
|        | <b>Water Abstractions</b><br>Operator: J E Atkinson & Son<br>Licence Number: 4/30/12/*G/0040b<br>Permit Version: 103<br>Location: Atkinsons Bore G<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 22nd August 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A11NW (W)                              | 1565                         | 1       | 517972 326605 |
|        | <b>Water Abstractions</b><br>Operator: J E Atkinson & Son<br>Licence Number: 4/30/12/*G/0040b<br>Permit Version: 102<br>Location: Atkinsons Bore G<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 17th June 2008<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m   | A11NW (W)                              | 1576                         | 1       | 517960 326600 |
|        | <b>Water Abstractions</b><br>Operator: J E Atkinson & Son<br>Licence Number: 4/30/12/*G/0040b<br>Permit Version: 102<br>Location: Atkinsons Bore G<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Transfer Between Sources<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 17th June 2008<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m    | A11NW (W)                              | 1576                         | 1       | 517960 326600 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: J E Atkinson & Son<br>Licence Number: 4/30/12/*G/0040b<br>Permit Version: 101<br>Location: Atkinsons Bore G<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 28th June 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                     | A11NW (W)                              | 1576                         | 1       | 517960 326600 |
|        | <b>Water Abstractions</b><br>Operator: J E Atkinson & Son<br>Licence Number: 4/30/12/*G/0040b<br>Permit Version: 101<br>Location: Atkinsons Bore G<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Transfer Between Sources<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 28th June 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                      | A11NW (W)                              | 1576                         | 1       | 517960 326600 |
|        | <b>Water Abstractions</b><br>Operator: D J Sneath<br>Licence Number: 4/30/12/*S/0184<br>Permit Version: 100<br>Location: Farm Drains Pinchbeck West<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 1st April 1998<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A5NW (SE)                              | 1622                         | 1       | 520800 325250 |
|        | <b>Water Abstractions</b><br>Operator: J. E. Atkinson And Son<br>Licence Number: 4/30/12/*g/040b<br>Permit Version: Not Supplied<br>Location: Atkinsons Bore A, DUNSBY FEN<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Spray Irrigation<br>Abstraction Type: Not Supplied<br>Source: Well And Borehole<br>Daily Rate (m3): 16<br>Yearly Rate (m3): 450000<br>Details: South Lincolnshire Limestone; Status: Perpetuity<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                            | A11NW (W)                              | 1635                         | 1       | 517900 326595 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: J E Atkinson & Son<br>Licence Number: 4/30/12/*G/0040b<br>Permit Version: 100<br>Location: Atkinsons Bore G<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Transfer Between Sources<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: South Lincolnshire Limestone; Status: Perpetuity<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 1st July 1993<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m  | A11NW (W)                              | 1636                         | 1       | 517900 326600 |
|        | <b>Water Abstractions</b><br>Operator: J E Atkinson & Son<br>Licence Number: 4/30/12/*G/0040b<br>Permit Version: 100<br>Location: Atkinsons Bore G<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: South Lincolnshire Limestone; Status: Perpetuity<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 1st July 1993<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A11NW (W)                              | 1636                         | 1       | 517900 326600 |
|        | <b>Water Abstractions</b><br>Operator: E M Cole Farms Ltd<br>Licence Number: 5/31/14/*S/0164a<br>Permit Version: 100<br>Location: R Glen At West Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 November<br>Authorised End: 31 March<br>Permit Start Date: 1st April 2010<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                  | A5NW (SE)                              | 1642                         | 1       | 520740 325160 |
|        | <b>Water Abstractions</b><br>Operator: E M Cole Farms Ltd<br>Licence Number: 5/31/14/*S/0164a<br>Permit Version: 100<br>Location: R Glen At West Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 1st April 2010<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                   | A5NW (SE)                              | 1646                         | 1       | 520740 325155 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: E M Cole (Farms) Ltd<br>Licence Number: 5/31/14/*s/164a<br>Permit Version: Not Supplied<br>Location: River Glen At West Pinchbeck, PINCHBECK<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Unspecified<br>Abstraction Type: Not Supplied<br>Source: Stream<br>Daily Rate (m3): 10<br>Yearly Rate (m3): 545000<br>Details: Status: Perpetuity<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                                        | A5NW (SE)                              | 1649                         | 1       | 520745 325155 |
|        | <b>Water Abstractions</b><br>Operator: E M Cole Farms Ltd<br>Licence Number: 5/31/14/*S/0164a<br>Permit Version: 101<br>Location: R Glen At West Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Trickle Irrigation: Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 17th July 2020<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                            | A5NW (SE)                              | 1660                         | 1       | 520824 325220 |
|        | <b>Water Abstractions</b><br>Operator: E M Cole Farms Ltd<br>Licence Number: 5/31/14/*S/0164a<br>Permit Version: 101<br>Location: R Glen At West Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Trickle Irrigation: Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 November<br>Authorised End: 31 March<br>Permit Start Date: 17th July 2020<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                           | A5NW (SE)                              | 1660                         | 1       | 520824 325220 |
|        | <b>Water Abstractions</b><br>Operator: E M Cole Farms Ltd<br>Licence Number: 5/31/14/*S/0164a<br>Permit Version: 101<br>Location: R Glen At West Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 17th July 2020<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A5NW (SE)                              | 1660                         | 1       | 520824 325220 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: E M Cole Farms Ltd<br>Licence Number: 5/31/14/*S/0164a<br>Permit Version: 101<br>Location: R Glen At West Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 November<br>Authorised End: 31 March<br>Permit Start Date: 17th July 2020<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                        | A5NW (SE)                              | 1660                         | 1       | 520824 325220 |
|        | <b>Water Abstractions</b><br>Operator: D J Sneath<br>Licence Number: 5/31/14/*S/0116a<br>Permit Version: 100<br>Location: River Glen, West Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 March<br>Authorised End: 31 October<br>Permit Start Date: 1st May 1996<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A5NE (SE)                              | 1743                         | 1       | 521000 325300 |
|        | <b>Water Abstractions</b><br>Operator: Rigbolt Farms Ltd<br>Licence Number: 4/30/12/*G/0196<br>Permit Version: 100<br>Location: Rigbolt House Bore Gosberton<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Farming And Domestic<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: South Lincolnshire Limestone; Status: Perpetuity<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st March 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m     | (N)                                    | 1870                         | 1       | 519500 328300 |
|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Ltd<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 106<br>Location: Pinchbeck P.S. Borehole 2<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Jockey Pinchbeck<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 12th June 2020<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m              | (W)                                    | 1929                         | 1       | 517600 326330 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Ltd<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 106<br>Location: Pinchbeck P.S. Borehole 1<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Jockey Pinchbeck<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 12th June 2020<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                           | (W)                                    | 1929                         | 1       | 517600<br>326330 |
|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Ltd<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 105<br>Location: Pinchbeck P.S. Borehole 1<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Borehole 1 At Jockey Pinchbeck<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 30th May 2018<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m              | (W)                                    | 1929                         | 1       | 517600<br>326330 |
|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Ltd<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 105<br>Location: Pinchbeck P.S. Borehole 2<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Borehole 2 At Jockey Pinchbeck<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 30th May 2018<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m              | (W)                                    | 1929                         | 1       | 517600<br>326330 |
|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Limited<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 104<br>Location: Pinchbeck P.S. Borehole 1<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Borehole 1 At Jockey Pinchbeck<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 3rd November 2015<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (W)                                    | 1929                         | 1       | 517600<br>326330 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Limited<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 104<br>Location: Pinchbeck P.S. Borehole 2<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Borehole 2 At Jockey Pinchbeck<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 3rd November 2015<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (W)                                    | 1929                         | 1       | 517600<br>326330 |
|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Limited<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 103<br>Location: Pinchbeck P.S. Borehole 1<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 6th November 2014<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                   | (W)                                    | 1929                         | 1       | 517600<br>326330 |
|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Limited<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 103<br>Location: Pinchbeck P.S. Borehole 2<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 6th November 2014<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                   | (W)                                    | 1929                         | 1       | 517600<br>326330 |
|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Limited<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 102<br>Location: Pinchbeck P.S. Borehole 1<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 27th June 2008<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                      | (W)                                    | 1929                         | 1       | 517600<br>326330 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Limited<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 102<br>Location: Pinchbeck P.S. Borehole 2<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 27th June 2008<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                   | (W)                                    | 1929                         | 1       | 517600<br>326330 |
|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Ltd<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 101<br>Location: Pinchbeck P.S. Borehole 1<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 31st December 2002<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                   | (W)                                    | 1929                         | 1       | 517600<br>326330 |
|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Ltd<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 101<br>Location: Pinchbeck P.S. Borehole 2<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 31st December 2002<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                                   | (W)                                    | 1929                         | 1       | 517600<br>326330 |
|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Ltd<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 100<br>Location: Pinchbeck P.S. Borehole 1<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: South Lincolnshire Limestone; Status: Time Limit<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 1998<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (W)                                    | 1929                         | 1       | 517600<br>326330 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Anglian Water Services Ltd<br>Licence Number: 4/30/12/*G/0034<br>Permit Version: 100<br>Location: Pinchbeck P.S. Borehole 2<br>Authority: Environment Agency, Anglian Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: South Lincolnshire Limestone; Status: Time Limit<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 1998<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (W)                                    | 1930                         | 1       | 517600<br>326325 |
|        | <b>Water Abstractions</b><br>Operator: Hacconby Farming Company<br>Licence Number: 4/30/12/*S/0016<br>Permit Version: 100<br>Location: New Drain(Idb System)Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Status: Perpetuity<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st January 1994<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m      | A25SE<br>(NE)                          | 1930                         | 1       | 521100<br>327600 |
|        | <b>Water Abstractions</b><br>Operator: John Grant (Donington)<br>Licence Number: An/030/0012/025<br>Permit Version: 1<br>Location: New Drain(Idb System)Pinchbeck<br>Authority: Environment Agency, Anglian Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 1st August 2019<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                 | A25SE<br>(NE)                          | 1954                         | 1       | 521090<br>327650 |
|        | <b>Groundwater Vulnerability Map</b><br>Combined Classification: Unproductive Aquifer (may have productive aquifer beneath)<br>Combined Vulnerability: Unproductive<br>Combined Aquifer: Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer<br>Pollutant Speed: High<br>Bedrock Flow: Well Connected Fractures<br>Dilution: <300 mm/year<br>Baseflow Index: >70%<br>Superficial Patchiness: >90%<br>Superficial Thickness: >10m<br>Superficial Recharge: Low                                                                                                                                                                                                                                        | A13SW<br>(NW)                          | 0                            | 2       | 519565<br>326387 |
|        | <b>Groundwater Vulnerability - Soluble Rock Risk</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |                              |         |                  |
|        | <b>Bedrock Aquifer Designations</b><br>Aquifer Designation: Unproductive Strata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A13SW<br>(NW)                          | 0                            | 2       | 519565<br>326387 |
|        | <b>Superficial Aquifer Designations</b><br>Aquifer Designation: Unproductive Strata                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A13SW<br>(NW)                          | 0                            | 2       | 519565<br>326387 |

| Map ID | Details                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 31     | <b>Source Protection Zones</b><br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.     | A12SW (W)                              | 941                          | 1       | 518612 326206 |
| 32     | <b>Source Protection Zones</b><br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source. | A12SW (W)                              | 944                          | 1       | 518613 326188 |
|        | <b>Extreme Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Extreme Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied                                             | A13SW (NW)                             | 0                            | 1       | 519565 326387 |
|        | <b>Extreme Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Extreme Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied                                             | A13SW (SW)                             | 12                           | 1       | 519535 326350 |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied                                                             | A13SW (NW)                             | 0                            | 1       | 519565 326387 |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Fluvial Models<br>Boundary Accuracy: As Supplied                                                             | A13SW (W)                              | 12                           | 1       | 519515 326380 |
|        | <b>Areas Benefiting from Flood Defences</b><br>None                                                                                                                                                                                                   |                                        |                              |         |               |
|        | <b>Flood Water Storage Areas</b><br>None                                                                                                                                                                                                              |                                        |                              |         |               |
|        | <b>Flood Defences</b><br>None                                                                                                                                                                                                                         |                                        |                              |         |               |
| 33     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 213.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2                     | A13NE (NE)                             | 5                            | 3       | 519593 326401 |
| 34     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1916.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Hammond Beck<br>Catchment Name: Witham<br>Primacy: 2                    | A13NW (NW)                             | 26                           | 3       | 519501 326428 |
| 35     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 28.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Star Lode Drain<br>Catchment Name: Witham<br>Primacy: 2                   | A13SW (S)                              | 61                           | 3       | 519535 326298 |
| 36     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Star Lode Drain<br>Catchment Name: Witham<br>Primacy: 2                    | A13SW (S)                              | 62                           | 3       | 519528 326299 |

| Map ID | Details                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 37     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 438.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Star Lode Drain<br>Catchment Name: Witham<br>Primacy: 2 | A13SW (SW)                             | 64                           | 3       | 519524<br>326298 |
| 38     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 158.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2     | A13SE (S)                              | 69                           | 3       | 519571<br>326280 |
| 39     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 11.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2      | A13SW (S)                              | 78                           | 3       | 519556<br>326279 |
| 40     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 94.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Dovehirne Drain<br>Catchment Name: Witham<br>Primacy: 2  | A13SW (S)                              | 79                           | 3       | 519545<br>326279 |
| 41     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 510.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2     | A13SE (SE)                             | 123                          | 3       | 519714<br>326288 |
| 42     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 228.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A13SE (SE)                             | 162                          | 3       | 519714<br>326227 |
| 43     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Dovehirne Drain<br>Catchment Name: Witham<br>Primacy: 2         | A13SW (S)                              | 165                          | 3       | 519551<br>326191 |
| 44     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 160.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Dovehirne Drain<br>Catchment Name: Witham<br>Primacy: 2 | A13SW (S)                              | 169                          | 3       | 519552<br>326186 |
| 45     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2            | A13NE (E)                              | 197                          | 3       | 519801<br>326397 |

| Map ID | Details                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 46     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 371.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A13NE (E)                              | 198                          | 3       | 519801<br>326397 |
| 47     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 204.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A13NW (N)                              | 201                          | 3       | 519484<br>326626 |
| 48     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 113.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A13NE (E)                              | 230                          | 3       | 519834<br>326400 |
| 49     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 346.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A13NW (NW)                             | 306                          | 3       | 519422<br>326718 |
| 50     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 334.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A8NE (S)                               | 319                          | 3       | 519589<br>326033 |
| 51     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Dovehirne Drain<br>Catchment Name: Witham<br>Primacy: 2         | A8NE (S)                               | 319                          | 3       | 519588<br>326032 |
| 52     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Dovehirne Drain<br>Catchment Name: Witham<br>Primacy: 2   | A8NE (S)                               | 319                          | 3       | 519589<br>326033 |
| 53     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 258.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Dovehirne Drain<br>Catchment Name: Witham<br>Primacy: 2 | A8NE (S)                               | 321                          | 3       | 519581<br>326031 |
| 54     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 184.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A14SW (E)                              | 330                          | 3       | 519930<br>326273 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 55     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 28.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A14SW (E)                              | 338                          | 3       | 519947<br>326389 |
| 56     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 483.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A14SW (E)                              | 340                          | 3       | 519947<br>326389 |
| 57     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 109.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A12SE (W)                              | 379                          | 3       | 519161<br>326330 |
| 58     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 129.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8NE (S)                               | 380                          | 3       | 519726<br>325988 |
| 59     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 230.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8NE (SE)                              | 381                          | 3       | 519775<br>326007 |
| 60     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 141.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18SE (N)                              | 391                          | 3       | 519704<br>326783 |
| 61     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 582.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8NE (SE)                              | 402                          | 3       | 519742<br>325971 |
| 62     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 144.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18SE (N)                              | 406                          | 3       | 519616<br>326829 |
| 63     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 12.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A18SE (N)                              | 426                          | 3       | 519700<br>326822 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 64     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 224.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18SE (NE)                             | 426                          | 3       | 519804<br>326769 |
| 65     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 343.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8NW (SW)                              | 430                          | 3       | 519325<br>325988 |
| 66     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 117.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8NW (SW)                              | 430                          | 3       | 519325<br>325988 |
| 67     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A18SE (N)                              | 437                          | 3       | 519700<br>326834 |
| 68     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 104.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18SW (N)                              | 438                          | 3       | 519435<br>326858 |
| 69     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 143.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18SE (N)                              | 440                          | 3       | 519700<br>326838 |
| 70     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 12.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Star Lode Drain<br>Catchment Name: Witham<br>Primacy: 2     | A12SE (W)                              | 442                          | 3       | 519090<br>326357 |
| 71     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 227.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A12NE (W)                              | 442                          | 3       | 519085<br>326433 |
| 72     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 60.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A12SE (W)                              | 442                          | 3       | 519086<br>326372 |

| Map ID | Details                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 73     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2           | A12NE (W)                              | 442                          | 3       | 519085 326426 |
| 74     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 109.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A18SW (N)                              | 444                          | 3       | 519449 326867 |
| 75     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 530.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A8NE (S)                               | 453                          | 3       | 519751 325920 |
| 76     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 20.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Star Lode Drain<br>Catchment Name: Witham<br>Primacy: 2 | A12SE (W)                              | 454                          | 3       | 519079 326359 |
| 77     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 326.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A14SW (SE)                             | 455                          | 3       | 519987 326098 |
| 78     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 426.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A12NE (W)                              | 473                          | 3       | 519060 326506 |
| 79     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Star Lode Drain<br>Catchment Name: Witham<br>Primacy: 2  | A12SE (W)                              | 474                          | 3       | 519058 326362 |
| 80     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Star Lode Drain<br>Catchment Name: Witham<br>Primacy: 2  | A12SE (W)                              | 480                          | 3       | 519052 326363 |
| 81     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2     | A12SE (W)                              | 480                          | 3       | 519052 326364 |

| Map ID | Details                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 82     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 394.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A12SE (W)                              | 482                          | 3       | 519058<br>326308 |
| 83     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 26.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2     | A12SE (W)                              | 483                          | 3       | 519052<br>326344 |
| 84     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Star Lode Drain<br>Catchment Name: Witham<br>Primacy: 2         | A12SE (W)                              | 484                          | 3       | 519048<br>326363 |
| 85     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 230.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Star Lode Drain<br>Catchment Name: Witham<br>Primacy: 2 | A12SE (W)                              | 493                          | 3       | 519038<br>326364 |
| 86     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2            | A12NE (NW)                             | 504                          | 3       | 519079<br>326660 |
| 87     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 15.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2     | A12NE (NW)                             | 506                          | 3       | 519079<br>326666 |
| 88     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.4<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2            | A12SE (W)                              | 508                          | 3       | 519026<br>326347 |
| 89     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 119.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A8NE (SE)                              | 509                          | 3       | 519782<br>325871 |
| 90     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 39.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2     | A8NE (SE)                              | 510                          | 3       | 519832<br>325892 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 91     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 461.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8NE (SE)                              | 510                          | 3       | 519832<br>325892 |
| 92     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 358.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A7NE (SW)                              | 513                          | 3       | 519209<br>325970 |
| 93     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 95.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A7NE (SW)                              | 513                          | 3       | 519209<br>325970 |
| 94     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 24.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A12SE (W)                              | 516                          | 3       | 519018<br>326348 |
| 95     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 453.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A14NW (E)                              | 525                          | 3       | 520126<br>326450 |
| 96     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 41.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A14SW (E)                              | 526                          | 3       | 520135<br>326347 |
| 97     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A14SW (E)                              | 527                          | 3       | 520135<br>326353 |
| 98     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.4<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A12SE (W)                              | 539                          | 3       | 518993<br>326350 |
| 99     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 187.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18SW (N)                              | 542                          | 3       | 519412<br>326959 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 100    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 394.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A12NE (NW)                             | 542                          | 3       | 519033 326655 |
| 101    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 23.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A12SE (W)                              | 544                          | 3       | 518989 326350 |
| 102    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 466.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8NE (SE)                              | 548                          | 3       | 519848 325857 |
| 103    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 68.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A8NE (SE)                              | 549                          | 3       | 519847 325856 |
| 104    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 197.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A19SW (NE)                             | 559                          | 3       | 520027 326747 |
| 105    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.4<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A12SE (W)                              | 567                          | 3       | 518965 326352 |
| 106    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 71.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A12SE (W)                              | 574                          | 3       | 518958 326352 |
| 107    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A18SE (N)                              | 575                          | 3       | 519697 326981 |
| 108    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A18SE (N)                              | 575                          | 3       | 519697 326981 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 109    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A18SE (N)                              | 576                          | 3       | 519701 326981 |
| 110    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 292.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18SE (N)                              | 578                          | 3       | 519710 326980 |
| 111    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 124.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18SE (N)                              | 579                          | 3       | 519696 326986 |
| 112    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 364.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A7NE (SW)                              | 590                          | 3       | 519115 325955 |
| 113    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 83.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A8NE (SE)                              | 617                          | 3       | 519824 325772 |
| 114    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A8NE (SE)                              | 617                          | 3       | 519826 325773 |
| 115    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 49.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A8NE (SE)                              | 617                          | 3       | 519829 325774 |
| 116    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 470.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8NE (SE)                              | 617                          | 3       | 519875 325793 |
| 117    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A14SW (E)                              | 620                          | 3       | 520224 326273 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 118    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2    | A14SW (E)                              | 620                          | 3       | 520224<br>326273 |
| 119    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A14SW (E)                              | 622                          | 3       | 520225<br>326266 |
| 120    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.8<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2          | A14SW (E)                              | 625                          | 3       | 520229<br>326275 |
| 121    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 117.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2  | A14SW (E)                              | 634                          | 3       | 520238<br>326277 |
| 122    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 407.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A17SE (NW)                             | 641                          | 3       | 519053<br>326862 |
| 123    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 373.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8SE (S)                               | 643                          | 3       | 519693<br>325714 |
| 124    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2        | A8SE (S)                               | 644                          | 3       | 519684<br>325712 |
| 125    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 47.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A19SW (NE)                             | 644                          | 3       | 520090<br>326804 |
| 126    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 579.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A19SW (NE)                             | 644                          | 3       | 520090<br>326804 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 127    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A14SW (SE)                             | 644                          | 3       | 520206<br>326110 |
| 128    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 408.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8SE (S)                               | 645                          | 3       | 519673<br>325709 |
| 129    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A8SE (S)                               | 645                          | 3       | 519674<br>325709 |
| 130    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A12SW (W)                              | 645                          | 3       | 518886<br>326354 |
| 131    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 329.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18SW (N)                              | 647                          | 3       | 519351<br>327052 |
| 132    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 43.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A14SW (SE)                             | 648                          | 3       | 520211<br>326112 |
| 133    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 455.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A12SW (W)                              | 653                          | 3       | 518878<br>326354 |
| 134    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 222.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A14SE (E)                              | 658                          | 3       | 520249<br>326201 |
| 135    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 36.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A8NE (S)                               | 667                          | 3       | 519839<br>325724 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 136    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 80.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A8NE (S)                               | 667                          | 3       | 519821 325717 |
| 137    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 324.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A14NE (E)                              | 677                          | 3       | 520279 326450 |
| 138    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A19SW (NE)                             | 682                          | 3       | 520000 326945 |
| 139    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 452.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A19SW (NE)                             | 686                          | 3       | 520008 326944 |
| 140    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 286.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18NE (N)                              | 697                          | 3       | 519687 327110 |
| 141    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A18NE (N)                              | 699                          | 3       | 519695 327110 |
| 142    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 13.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2        | A8SE (S)                               | 704                          | 3       | 519851 325689 |
| 143    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A18NE (N)                              | 708                          | 3       | 519698 327119 |
| 144    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 168.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18NE (N)                              | 713                          | 3       | 519701 327123 |

| Map ID | Details                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 145    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 29.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2     | A8SE (S)                               | 718                          | 3       | 519855<br>325676 |
| 146    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 178.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Star Lode Drain<br>Catchment Name: Witham<br>Primacy: 2 | A12SW (W)                              | 721                          | 3       | 518808<br>326372 |
| 147    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2            | A18NW (N)                              | 721                          | 3       | 519411<br>327142 |
| 148    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2      | A12SW (W)                              | 721                          | 3       | 518808<br>326372 |
| 149    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 29.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2     | A18NW (N)                              | 723                          | 3       | 519404<br>327142 |
| 150    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 46.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2     | A18NW (N)                              | 729                          | 3       | 519375<br>327143 |
| 151    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 648.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A14NE (NE)                             | 731                          | 3       | 520255<br>326699 |
| 152    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2      | A14NE (NE)                             | 731                          | 3       | 520255<br>326699 |
| 153    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2            | A14NE (NE)                             | 735                          | 3       | 520259<br>326700 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 154    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 27.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A12SW (W)                              | 737                          | 3       | 518793<br>326356 |
| 155    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 437.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A14NE (NE)                             | 741                          | 3       | 520266<br>326700 |
| 156    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 221.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A17SE (NW)                             | 744                          | 3       | 519070<br>327017 |
| 157    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 283.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8SW (S)                               | 745                          | 3       | 519393<br>325628 |
| 158    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 271.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8SE (S)                               | 747                          | 3       | 519867<br>325649 |
| 159    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 67.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A8SE (S)                               | 747                          | 3       | 519864<br>325648 |
| 160    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 175.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A8SW (S)                               | 750                          | 3       | 519367<br>325629 |
| 161    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 477.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A14SE (E)                              | 751                          | 3       | 520356<br>326279 |
| 162    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2    | A14SE (E)                              | 751                          | 3       | 520356<br>326279 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 163    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2          | A14SE (E)                              | 755                          | 3       | 520360<br>326279 |
| 164    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 52.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A9NE (SE)                              | 757                          | 3       | 520290<br>326021 |
| 165    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 403.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A17SE (NW)                             | 760                          | 3       | 519056<br>327026 |
| 166    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 27.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2   | A14SE (E)                              | 761                          | 3       | 520366<br>326279 |
| 167    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 11.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2        | A12SW (W)                              | 765                          | 3       | 518765<br>326357 |
| 168    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 30.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A12SW (W)                              | 776                          | 3       | 518754<br>326357 |
| 169    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A18NW (N)                              | 776                          | 3       | 519366<br>327189 |
| 170    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 340.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A9SW (SE)                              | 782                          | 3       | 520025<br>325688 |
| 171    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 155.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18NW (N)                              | 783                          | 3       | 519364<br>327196 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 172    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 69.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A8SW (S)                               | 787                          | 3       | 519274 325619 |
| 173    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 445.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A7NW (SW)                              | 788                          | 3       | 518859 325971 |
| 174    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 191.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A7NW (SW)                              | 788                          | 3       | 518859 325971 |
| 175    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2          | A14SE (E)                              | 788                          | 3       | 520394 326280 |
| 176    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 195.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A9NE (SE)                              | 789                          | 3       | 520331 326033 |
| 177    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 306.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A9NE (SE)                              | 789                          | 3       | 520331 326033 |
| 178    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A9NE (SE)                              | 792                          | 3       | 520303 325970 |
| 179    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 99.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A9NE (SE)                              | 795                          | 3       | 520304 325965 |
| 180    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 27.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2   | A14SE (E)                              | 796                          | 3       | 520402 326280 |

| Map ID | Details                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 181    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2          | A12SW (W)                              | 806                          | 3       | 518724<br>326358 |
| 182    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 27.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A12SW (W)                              | 814                          | 3       | 518716<br>326358 |
| 183    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 388.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A14SE (E)                              | 823                          | 3       | 520429<br>326279 |
| 184    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2     | A14SE (E)                              | 823                          | 3       | 520429<br>326279 |
| 185    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1023.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A14NE (E)                              | 826                          | 3       | 520424<br>326487 |
| 186    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 20.7<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A7SE (SW)                              | 827                          | 3       | 519207<br>325603 |
| 187    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2          | A14SE (E)                              | 827                          | 3       | 520432<br>326279 |
| 188    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 13.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A9NE (SE)                              | 830                          | 3       | 520306<br>325901 |
| 189    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 58.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2    | A14SE (E)                              | 837                          | 3       | 520443<br>326279 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 190    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A9NE (SE)                              | 840                          | 3       | 520310 325888 |
| 191    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 11.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A7SE (SW)                              | 840                          | 3       | 519187 325599 |
| 192    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.8<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A12SW (W)                              | 841                          | 3       | 518689 326359 |
| 193    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A7SE (SW)                              | 844                          | 3       | 519196 325589 |
| 194    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 48.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A9NE (SE)                              | 846                          | 3       | 520312 325880 |
| 195    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 48.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A7SE (SW)                              | 847                          | 3       | 519176 325596 |
| 196    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 67.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A12SW (W)                              | 848                          | 3       | 518682 326358 |
| 197    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 77.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A7SE (SW)                              | 849                          | 3       | 519190 325588 |
| 198    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 307.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A7SE (SW)                              | 852                          | 3       | 519195 325581 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 199    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 266.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A9SW (S)                               | 861                          | 3       | 519906 325542 |
| 200    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 310.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A17NE (NW)                             | 864                          | 3       | 519190 327226 |
| 201    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 17.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A9NE (SE)                              | 866                          | 3       | 520328 325868 |
| 202    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 301.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A9SW (SE)                              | 870                          | 3       | 520053 325603 |
| 203    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 361.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18NE (N)                              | 877                          | 3       | 519699 327292 |
| 204    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 145.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A18NE (N)                              | 877                          | 3       | 519699 327292 |
| 205    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 14.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2        | A7SE (SW)                              | 878                          | 3       | 519129 325586 |
| 206    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2        | A9NE (SE)                              | 879                          | 3       | 520332 325851 |
| 207    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 193.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A9NE (SE)                              | 887                          | 3       | 520336 325842 |

| Map ID | Details                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 208    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 41.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2     | A7SE (SW)                              | 887                          | 3       | 519115<br>325582 |
| 209    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 997.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A14NE (E)                              | 892                          | 3       | 520486<br>326516 |
| 210    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 141.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A12NW (W)                              | 895                          | 3       | 518631<br>326420 |
| 211    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 276.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A9SW (S)                               | 895                          | 3       | 519917<br>325510 |
| 212    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.9<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2             | A14SE (E)                              | 895                          | 3       | 520501<br>326278 |
| 213    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 71.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2     | A12NW (W)                              | 897                          | 3       | 518634<br>326518 |
| 214    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2            | A7SE (SW)                              | 898                          | 3       | 519114<br>325570 |
| 215    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 126.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Star Lode Drain<br>Catchment Name: Witham<br>Primacy: 2 | A12SW (W)                              | 899                          | 3       | 518629<br>326377 |
| 216    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 114.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2    | A7SE (SW)                              | 902                          | 3       | 519108<br>325569 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 217    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 27.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2   | A14SE (E)                              | 903                          | 3       | 520509<br>326278 |
| 218    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 96.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A9SW (SE)                              | 904                          | 3       | 520072<br>325574 |
| 219    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 322.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A9SW (SE)                              | 904                          | 3       | 520072<br>325574 |
| 220    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 111.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A12NW (W)                              | 905                          | 3       | 518636<br>326589 |
| 221    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 75.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A12NW (W)                              | 905                          | 3       | 518636<br>326589 |
| 222    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 153.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A12SW (W)                              | 909                          | 3       | 518635<br>326254 |
| 223    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A12SW (W)                              | 915                          | 3       | 518615<br>326359 |
| 224    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A7SE (SW)                              | 916                          | 3       | 519074<br>325573 |
| 225    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 209.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A12NW (W)                              | 918                          | 3       | 518639<br>326665 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 226    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 64.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A12SW (W)                              | 920                          | 3       | 518609 326360 |
| 227    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 23.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A7SE (SW)                              | 921                          | 3       | 519066 325571 |
| 228    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 379.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A17NE (NW)                             | 923                          | 3       | 519037 327213 |
| 229    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 320.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A17NE (NW)                             | 923                          | 3       | 519037 327213 |
| 230    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 174.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A12SW (W)                              | 929                          | 3       | 518652 326101 |
| 231    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 132.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A12SW (W)                              | 929                          | 3       | 518652 326101 |
| 232    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 489.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A14SE (E)                              | 930                          | 3       | 520536 326276 |
| 233    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 16.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2   | A14SE (E)                              | 930                          | 3       | 520536 326276 |
| 234    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.0<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A7SE (SW)                              | 938                          | 3       | 519044 325566 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 235    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A18NW (N)                              | 938                          | 3       | 519337<br>327349 |
| 236    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 107.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A7SE (SW)                              | 943                          | 3       | 519037<br>325564 |
| 237    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A18NW (N)                              | 947                          | 3       | 519336<br>327357 |
| 238    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2         | A14SE (E)                              | 947                          | 3       | 520553<br>326275 |
| 239    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A18NW (N)                              | 950                          | 3       | 519345<br>327363 |
| 240    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 102.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: New Drain<br>Catchment Name: Witham<br>Primacy: 2    | A18NW (N)                              | 953                          | 3       | 519335<br>327364 |
| 241    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 27.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2   | A14SE (E)                              | 957                          | 3       | 520563<br>326275 |
| 242    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 19.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A7NW (SW)                              | 973                          | 3       | 518673<br>325928 |
| 243    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 335.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A7SE (SW)                              | 982                          | 3       | 518997<br>325543 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 244    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A7SE (SW)                              | 982                          | 3       | 518997 325543 |
| 245    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 18.6<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2        | A11SE (W)                              | 984                          | 3       | 518545 326360 |
| 246    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.3<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2         | A7SE (SW)                              | 985                          | 3       | 518993 325543 |
| 247    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A15SW (E)                              | 985                          | 3       | 520590 326274 |
| 248    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 23.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Graft Drain<br>Catchment Name: Witham<br>Primacy: 2   | A15SW (E)                              | 985                          | 3       | 520590 326274 |
| 249    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 23.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A17SW (NW)                             | 986                          | 3       | 518647 326875 |
| 250    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 56.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A15SW (E)                              | 987                          | 3       | 520592 326273 |
| 251    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 282.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A9SW (S)                               | 991                          | 3       | 519960 325424 |
| 252    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 291.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A7SE (SW)                              | 992                          | 3       | 518984 325540 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 253    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 440.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A7NW (SW)                              | 992                          | 3       | 518653 325924 |
| 254    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 98.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A7NW (SW)                              | 992                          | 3       | 518653 325924 |
| 255    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 288.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A17SW (NW)                             | 996                          | 3       | 518648 326898 |
| 256    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 129.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A17SW (NW)                             | 996                          | 3       | 518648 326898 |
| 257    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2   | A9SW (SE)                              | 999                          | 3       | 520106 325484 |
| 258    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 97.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A9SW (SE)                              | 1000                         | 3       | 520112 325486 |
| 259    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 309.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2 | A9SW (SE)                              | 1000                         | 3       | 520112 325486 |
| 260    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 67.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Witham<br>Primacy: 2  | A11NE (W)                              | 1000                         | 3       | 518531 326522 |

| Map ID | Details                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Local Authority Landfill Coverage</b><br>Name: South Holland District Council<br>- Has no landfill data to supply                                  |                                        | 0                            | 5       | 519565<br>326387 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Lincolnshire County Council<br>- Had landfill data but passed it to the relevant environment agency |                                        | 0                            | 4       | 519565<br>326387 |
| 261    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956                | A18SW (NW)                             | 418                          | -       | 519348<br>326808 |
| 262    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956                | A7SE (SW)                              | 931                          | -       | 519114<br>325533 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS 1:625,000 Solid Geology</b><br>Description: Kellaways Formation And Oxford Clay Formation (Undifferentiated)                                                                                                                                                                                                                          | A13SW (NW)                             | 0                            | 6       | 519565 326387 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 40 - 60 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A13SW (NW)                             | 0                            | 6       | 519565 326387 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A8NW (S)                               | 351                          | 6       | 519565 326000 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 40 - 60 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: <15 mg/kg     | A12SE (W)                              | 527                          | 6       | 519000 326387 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 40 - 60 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A7NE (SW)                              | 653                          | 6       | 519000 326000 |
|        | <b>BGS Measured Urban Soil Chemistry</b><br>No data available                                                                                                                                                                                                                                                                                |                                        |                              |         |               |
|        | <b>BGS Urban Soil Chemistry Averages</b><br>No data available                                                                                                                                                                                                                                                                                |                                        |                              |         |               |
|        | <b>Coal Mining Affected Areas</b><br>In an area that might not be affected by coal mining                                                                                                                                                                                                                                                    |                                        |                              |         |               |
|        | <b>Non Coal Mining Areas of Great Britain</b><br>No Hazard                                                                                                                                                                                                                                                                                   |                                        |                              |         |               |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                       | A13SW (NW)                             | 0                            | 6       | 519565 326387 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                       | A13SW (NW)                             | 0                            | 6       | 519565 326387 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                       | A13SW (NW)                             | 0                            | 6       | 519565 326387 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                          | A13SW (NW)                             | 0                            | 6       | 519565 326387 |

| Map ID | Details                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13SW (NW)                             | 0                            | 6       | 519565 326387 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                           | A13SW (NW)                             | 0                            | 6       | 519565 326387 |
|        | <b>Radon Potential - Radon Affected Areas</b><br>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).<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (NW)                             | 0                            | 6       | 519565 326387 |
|        | <b>Radon Potential - Radon Protection Measures</b><br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service                     | A13SW (NW)                             | 0                            | 6       | 519565 326387 |

| Map ID | Details                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 263    | <b>Contemporary Trade Directory Entries</b><br>Name: Ladybug Pest Control<br>Location: Aldor, Northgate, Pinchbeck, Spalding, Lincolnshire, PE11 3TB<br>Classification: Pest & Vermin Control<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                             | A13SE (E)                              | 236                          | -       | 519844 326376 |
| 264    | <b>Contemporary Trade Directory Entries</b><br>Name: Commercial Cladding Services Ltd<br>Location: Marbeck House, Northgate, Pinchbeck, Spalding, PE11 3TB<br>Classification: Cladding Suppliers & Installers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address             | A14SW (E)                              | 489                          | -       | 520096 326314 |
| 265    | <b>Contemporary Trade Directory Entries</b><br>Name: Diamond Home Support South Holland<br>Location: 81, Six House Bank, West Pinchbeck, Spalding, Lincolnshire, PE11 3QG<br>Classification: Cleaning Services - Domestic<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address | A8NE (S)                               | 642                          | -       | 519719 325718 |
| 266    | <b>Points of Interest - Commercial Services</b><br>Name: Ladybug Pest Control<br>Location: Aldor, Northgate, Pinchbeck, Spalding, PE11 3TB<br>Category: Contract Services<br>Class Code: Pest and Vermin Control<br>Positional Accuracy: Positioned to address or location                                           | A13SE (E)                              | 236                          | 7       | 519844 326376 |
| 267    | <b>Points of Interest - Manufacturing and Production</b><br>Name: P G Posey<br>Location: 5 Starlode Drove, West Pinchbeck, Spalding, PE11 3TD<br>Category: Farming<br>Class Code: Livestock Farming<br>Positional Accuracy: Positioned to address or location                                                        | A13SW (SW)                             | 101                          | 7       | 519505 326265 |
| 267    | <b>Points of Interest - Manufacturing and Production</b><br>Name: P G Posey<br>Location: 5 Starlode Drove, West Pinchbeck, Spalding, PE11 3TD<br>Category: Farming<br>Class Code: Arable Farming<br>Positional Accuracy: Positioned to address or location                                                           | A13SW (SW)                             | 102                          | 7       | 519504 326265 |
| 268    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tanks<br>Location: PE11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                      | A14SW (E)                              | 305                          | 7       | 519913 326365 |
| 268    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: PE11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                                                                   | A14SW (E)                              | 316                          | 7       | 519924 326366 |
| 268    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: PE11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                                                                   | A14SW (E)                              | 321                          | 7       | 519929 326366 |
| 269    | <b>Points of Interest - Manufacturing and Production</b><br>Name: J A East<br>Location: Starlode Drove, West Pinchbeck, Spalding, PE11 3TD<br>Category: Farming<br>Class Code: Arable Farming<br>Positional Accuracy: Positioned to address or location                                                              | A13SW (W)                              | 316                          | 7       | 519232 326302 |
| 270    | <b>Points of Interest - Manufacturing and Production</b><br>Name: F Tipler & Sons Pinchbeck Ltd<br>Location: Northgate, Pinchbeck, Spalding, PE11 3TB<br>Category: Farming<br>Class Code: Arable Farming<br>Positional Accuracy: Positioned to address or location                                                   | A14SW (E)                              | 415                          | 7       | 520021 326303 |
| 271    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: PE11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                       | A12NE (NW)                             | 546                          | 7       | 519042 326681 |

| Map ID | Details                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 272    | <b>Points of Interest - Manufacturing and Production</b><br>Name: J A East<br>Location: Starlode Drove, West Pinchbeck, Spalding, PE11 3TD<br>Category: Farming<br>Class Code: Arable Farming<br>Positional Accuracy: Positioned to address or location | A12SW (W)                              | 822                          | 7       | 518710 326341 |
| 273    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: PE11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                          | A9NE (SE)                              | 875                          | 7       | 520315 325834 |

| Map ID | Details                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 274    | <b>Nitrate Vulnerable Zones</b><br>Name: Black Sluice Idb Draining To The South Forty Foot Drain Nvz<br>Description: Surface Water<br>Source: Environment Agency, Head Office | A13SW (NW)                             | 0                            | 2       | 519565 326387 |

| Agency & Hydrological                                                                                                                                                                                          | Version                                   | Update Cycle                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------|
| <b>Contaminated Land Register Entries and Notices</b><br>South Kesteven District Council - Environmental Health<br>Environment Agency - Head Office<br>South Holland District Council - Environmental Services | April 2015<br>June 2020<br>September 2017 | Annual Rolling Update<br>Annually<br>Annual Rolling Update |
| <b>Discharge Consents</b><br>Environment Agency - Anglian Region                                                                                                                                               | January 2022                              | Quarterly                                                  |
| <b>Enforcement and Prohibition Notices</b><br>Environment Agency - Anglian Region                                                                                                                              | March 2013                                |                                                            |
| <b>Integrated Pollution Controls</b><br>Environment Agency - Anglian Region                                                                                                                                    | January 2009                              |                                                            |
| <b>Integrated Pollution Prevention And Control</b><br>Environment Agency - Anglian Region                                                                                                                      | January 2022                              | Quarterly                                                  |
| <b>Local Authority Integrated Pollution Prevention And Control</b><br>South Kesteven District Council - Environmental Health<br>South Holland District Council - Environmental Services                        | April 2014<br>October 2014                | Variable<br>Variable                                       |
| <b>Local Authority Pollution Prevention and Controls</b><br>South Kesteven District Council - Environmental Health<br>South Holland District Council - Environmental Services                                  | April 2014<br>October 2014                | Annual Rolling Update<br>Annual Rolling Update             |
| <b>Local Authority Pollution Prevention and Control Enforcements</b><br>South Kesteven District Council - Environmental Health<br>South Holland District Council - Environmental Services                      | April 2014<br>October 2014                | Variable<br>Variable                                       |
| <b>Nearest Surface Water Feature</b><br>Ordnance Survey                                                                                                                                                        | November 2021                             |                                                            |
| <b>Pollution Incidents to Controlled Waters</b><br>Environment Agency - Anglian Region                                                                                                                         | September 1999                            |                                                            |
| <b>Prosecutions Relating to Authorised Processes</b><br>Environment Agency - Anglian Region                                                                                                                    | July 2015                                 |                                                            |
| <b>Prosecutions Relating to Controlled Waters</b><br>Environment Agency - Anglian Region                                                                                                                       | March 2013                                |                                                            |
| <b>Registered Radioactive Substances</b><br>Environment Agency - Anglian Region                                                                                                                                | June 2016                                 | As notified                                                |
| <b>River Quality</b><br>Environment Agency - Head Office                                                                                                                                                       | November 2001                             | Not Applicable                                             |
| <b>River Quality Biology Sampling Points</b><br>Environment Agency - Head Office                                                                                                                               | April 2012                                |                                                            |
| <b>River Quality Chemistry Sampling Points</b><br>Environment Agency - Head Office                                                                                                                             | April 2012                                |                                                            |
| <b>Substantiated Pollution Incident Register</b><br>Environment Agency - Anglian Region - Northern Area                                                                                                        | January 2022                              | Quarterly                                                  |
| <b>Water Abstractions</b><br>Environment Agency - Anglian Region                                                                                                                                               | January 2022                              | Quarterly                                                  |
| <b>Water Industry Act Referrals</b><br>Environment Agency - Anglian Region                                                                                                                                     | October 2017                              |                                                            |
| <b>Groundwater Vulnerability Map</b><br>Environment Agency - Head Office                                                                                                                                       | June 2018                                 | As notified                                                |
| <b>Bedrock Aquifer Designations</b><br>Environment Agency - Head Office                                                                                                                                        | January 2018                              | Annually                                                   |
| <b>Superficial Aquifer Designations</b><br>Environment Agency - Head Office                                                                                                                                    | January 2018                              | Annually                                                   |
| <b>Source Protection Zones</b><br>Environment Agency - Head Office                                                                                                                                             | May 2021                                  | Bi-Annually                                                |

| Agency & Hydrological                                                                                                 | Version       | Update Cycle |
|-----------------------------------------------------------------------------------------------------------------------|---------------|--------------|
| <b>Extreme Flooding from Rivers or Sea without Defences</b><br>Environment Agency - Head Office                       | February 2022 | Quarterly    |
| <b>Flooding from Rivers or Sea without Defences</b><br>Environment Agency - Head Office                               | February 2022 | Quarterly    |
| <b>Areas Benefiting from Flood Defences</b><br>Environment Agency - Head Office                                       | February 2022 | Quarterly    |
| <b>Flood Water Storage Areas</b><br>Environment Agency - Head Office                                                  | February 2022 | Quarterly    |
| <b>Flood Defences</b><br>Environment Agency - Head Office                                                             | February 2022 | Quarterly    |
| <b>OS Water Network Lines</b><br>Ordnance Survey                                                                      | October 2021  | Quarterly    |
| <b>Surface Water 1 in 30 year Flood Extent</b><br>Environment Agency - Head Office                                    | May 2018      | Annually     |
| <b>Surface Water 1 in 100 year Flood Extent</b><br>Environment Agency - Head Office                                   | May 2018      | Annually     |
| <b>Surface Water 1 in 1000 year Flood Extent</b><br>Environment Agency - Head Office                                  | May 2018      | Annually     |
| <b>Surface Water Suitability</b><br>Environment Agency - Head Office                                                  | February 2016 | Annually     |
| <b>BGS Groundwater Flooding Susceptibility</b><br>British Geological Survey - National Geoscience Information Service | May 2013      | Annually     |

| Waste                                                                                                                                                                                              | Version                                         | Update Cycle                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------|
| <b>BGS Recorded Landfill Sites</b><br>British Geological Survey - National Geoscience Information Service                                                                                          | November 2002                                   | Not Applicable                                     |
| <b>Historical Landfill Sites</b><br>Environment Agency - Head Office                                                                                                                               | January 2022                                    | Quarterly                                          |
| <b>Integrated Pollution Control Registered Waste Sites</b><br>Environment Agency - Anglian Region                                                                                                  | January 2009                                    | Not Applicable                                     |
| <b>Licensed Waste Management Facilities (Landfill Boundaries)</b><br>Environment Agency - Anglian Region - Northern Area                                                                           | January 2022                                    | Quarterly                                          |
| <b>Licensed Waste Management Facilities (Locations)</b><br>Environment Agency - Anglian Region - Northern Area                                                                                     | January 2022                                    | Quarterly                                          |
| <b>Local Authority Landfill Coverage</b><br>Lincolnshire County Council<br>South Holland District Council - Environmental Services<br>South Kesteven District Council - Environmental Health       | February 2003<br>February 2003<br>February 2003 | Not Applicable<br>Not Applicable<br>Not Applicable |
| <b>Local Authority Recorded Landfill Sites</b><br>Lincolnshire County Council<br>South Holland District Council - Environmental Services<br>South Kesteven District Council - Environmental Health | October 2018<br>October 2018<br>October 2018    |                                                    |
| <b>Potentially Infilled Land (Non-Water)</b><br>Landmark Information Group Limited                                                                                                                 | December 1999                                   | Not Applicable                                     |
| <b>Potentially Infilled Land (Water)</b><br>Landmark Information Group Limited                                                                                                                     | December 1999                                   |                                                    |
| <b>Registered Landfill Sites</b><br>Environment Agency - Anglian Region - Northern Area                                                                                                            | March 2006                                      | Not Applicable                                     |
| <b>Registered Waste Transfer Sites</b><br>Environment Agency - Anglian Region - Northern Area                                                                                                      | April 2018                                      |                                                    |
| <b>Registered Waste Treatment or Disposal Sites</b><br>Environment Agency - Anglian Region - Northern Area                                                                                         | June 2015                                       |                                                    |
| Hazardous Substances                                                                                                                                                                               | Version                                         | Update Cycle                                       |
| <b>Control of Major Accident Hazards Sites (COMAH)</b><br>Health and Safety Executive                                                                                                              | January 2022                                    | Bi-Annually                                        |
| <b>Explosive Sites</b><br>Health and Safety Executive                                                                                                                                              | March 2017                                      | Annually                                           |
| <b>Notification of Installations Handling Hazardous Substances (NIHHS)</b><br>Health and Safety Executive                                                                                          | August 2001                                     |                                                    |
| <b>Planning Hazardous Substance Enforcements</b><br>Lincolnshire County Council - Highways and Planning Department<br>South Kesteven District Council<br>South Holland District Council            | August 2010<br>February 2016<br>January 2016    | Variable<br>Variable<br>Variable                   |
| <b>Planning Hazardous Substance Consents</b><br>Lincolnshire County Council - Highways and Planning Department<br>South Kesteven District Council<br>South Holland District Council                | August 2007<br>February 2016<br>January 2016    | Variable<br>Variable<br>Variable                   |

| Geological                                                                                                                                         | Version                      | Update Cycle          |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|
| <b>BGS 1:625,000 Solid Geology</b><br>British Geological Survey - National Geoscience Information Service                                          | January 2009                 | Not Applicable        |
| <b>BGS Estimated Soil Chemistry</b><br>British Geological Survey - National Geoscience Information Service                                         | December 2015                | Annually              |
| <b>BGS Recorded Mineral Sites</b><br>British Geological Survey - National Geoscience Information Service                                           | November 2021                | Bi-Annually           |
| <b>CBSCB Compensation District</b><br>Cheshire Brine Subsidence Compensation Board (CBSCB)<br>Cheshire Brine Subsidence Compensation Board (CBSCB) | August 2011<br>November 2020 | As notified           |
| <b>Coal Mining Affected Areas</b><br>The Coal Authority - Property Searches                                                                        | March 2014                   | Annual Rolling Update |
| <b>Mining Instability</b><br>Ove Arup & Partners                                                                                                   | June 1998                    | Not Applicable        |
| <b>Non Coal Mining Areas of Great Britain</b><br>British Geological Survey - National Geoscience Information Service                               | May 2015                     | Not Applicable        |
| <b>Potential for Collapsible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                   | April 2020                   | As notified           |
| <b>Potential for Compressible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019                 | As notified           |
| <b>Potential for Ground Dissolution Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                   | January 2019                 | As notified           |
| <b>Potential for Landslide Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                     | January 2019                 | As notified           |
| <b>Potential for Running Sand Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019                 | As notified           |
| <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service    | January 2019                 | As notified           |
| <b>Radon Potential - Radon Affected Areas</b><br>British Geological Survey - National Geoscience Information Service                               | July 2011                    | Annually              |
| <b>Radon Potential - Radon Protection Measures</b><br>British Geological Survey - National Geoscience Information Service                          | July 2011                    | Annually              |

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

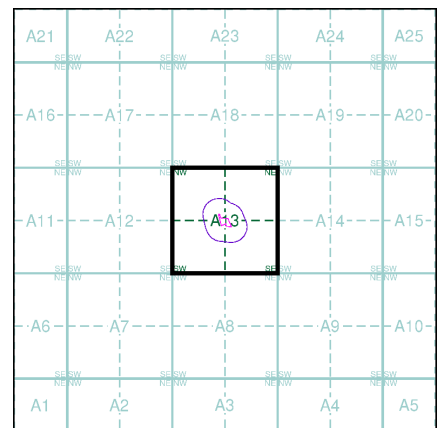
| Sensitive Land Use                                                                                                                                | Version                      | Update Cycle           |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------|
| <b>Ancient Woodland</b><br>Natural England                                                                                                        | February 2021                | Bi-Annually            |
| <b>Areas of Adopted Green Belt</b><br>South Holland District Council<br>South Kesteven District Council                                           | October 2020<br>October 2020 | Quarterly<br>Quarterly |
| <b>Areas of Unadopted Green Belt</b><br>South Holland District Council<br>South Kesteven District Council                                         | October 2020<br>October 2020 | Quarterly<br>Quarterly |
| <b>Areas of Outstanding Natural Beauty</b><br>Natural England                                                                                     | January 2021                 | Bi-Annually            |
| <b>Environmentally Sensitive Areas</b><br>Natural England                                                                                         | January 2017                 |                        |
| <b>Forest Parks</b><br>Forestry Commission                                                                                                        | April 1997                   | Not Applicable         |
| <b>Local Nature Reserves</b><br>Natural England                                                                                                   | February 2021                | Bi-Annually            |
| <b>Marine Nature Reserves</b><br>Natural England                                                                                                  | July 2019                    | Bi-Annually            |
| <b>National Nature Reserves</b><br>Natural England                                                                                                | January 2021                 | Bi-Annually            |
| <b>National Parks</b><br>Natural England                                                                                                          | February 2018                | Bi-Annually            |
| <b>Nitrate Sensitive Areas</b><br>Natural England                                                                                                 | April 2016                   | Not Applicable         |
| <b>Nitrate Vulnerable Zones</b><br>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)<br>Environment Agency - Head Office | April 2016<br>June 2017      | Bi-Annually            |
| <b>Ramsar Sites</b><br>Natural England                                                                                                            | August 2020                  | Bi-Annually            |
| <b>Sites of Special Scientific Interest</b><br>Natural England                                                                                    | February 2021                | Bi-Annually            |
| <b>Special Areas of Conservation</b><br>Natural England                                                                                           | July 2020                    | Bi-Annually            |
| <b>Special Protection Areas</b><br>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              |  <b>British Geological Survey</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL          |
| Centre for Ecology and Hydrology       |  <b>Centre for Ecology &amp; Hydrology</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL |
| Natural Resources Wales                |                                                                                   |
| Scottish Natural Heritage              |                                                                                  |
| Natural England                        |                                                                                  |
| Public Health England                  |                                                                                  |
| Ove Arup                               |                                                                                  |
| Stantec UK Ltd                         |                                                                                  |

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

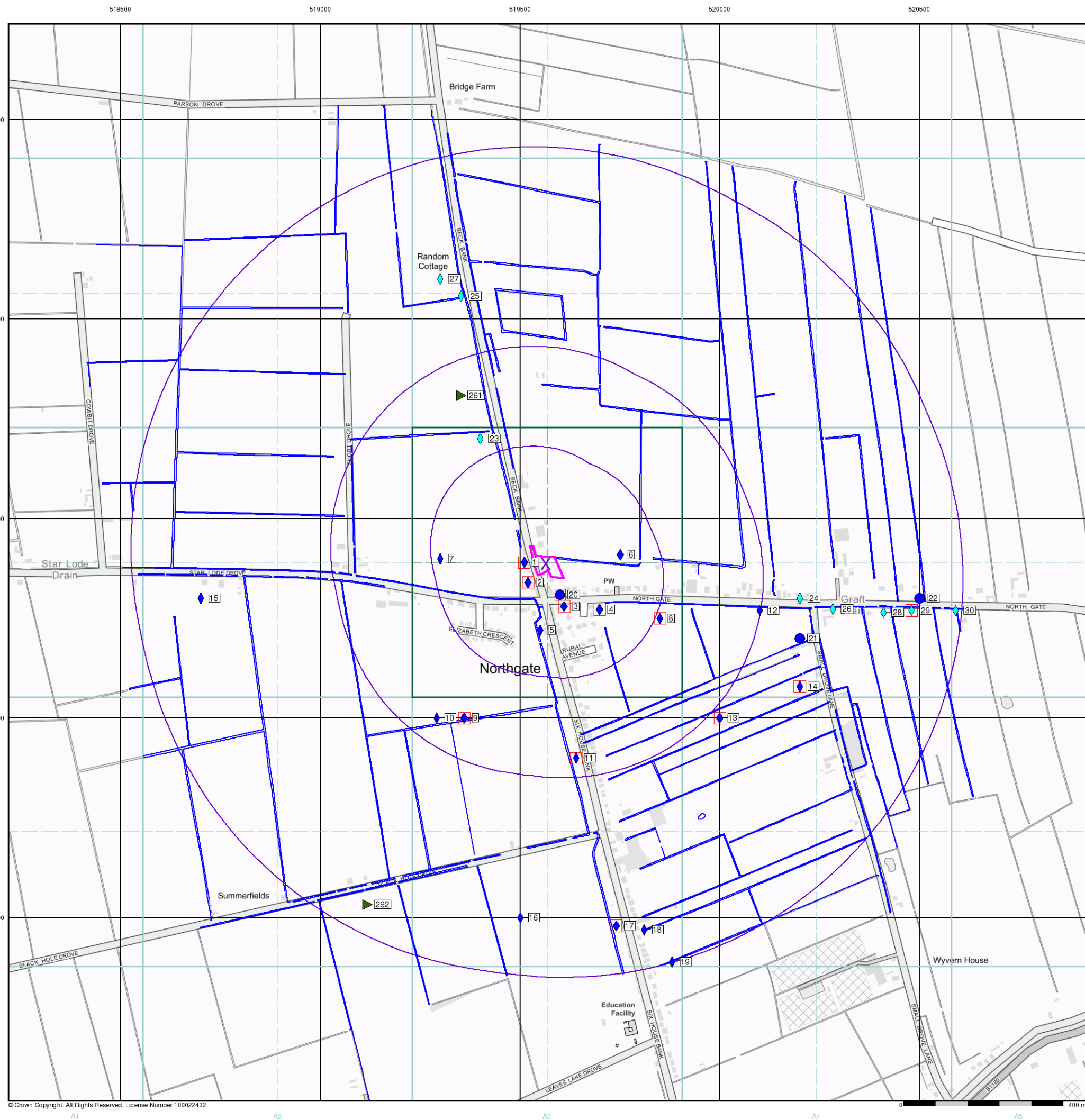
Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



Order Number: 291479920\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.3  
Plot Buffer (m): 100

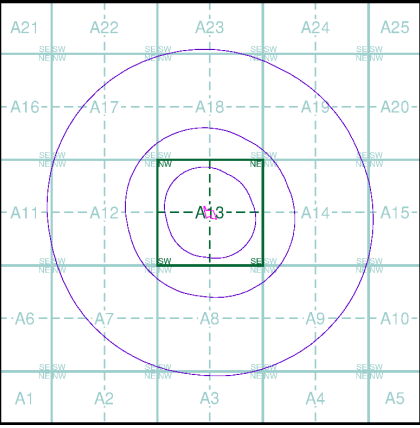
Beck Bank, West Pinchbeck, SPALDING, PE11 3QN

Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)



- 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
  - BGS Recorded Mineral Site
- 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 (Non-water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - 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**

Order Number: 291479920\_1\_1  
 Customer Ref: R22007  
 National Grid Reference: 519560, 326390  
 Slice: A  
 Site Area (Ha): 0.3  
 Search Buffer (m): 1000

**Site Details**

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN

**Landmark**  
 INFORMATION GROUP

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



## Industrial Land Use Map

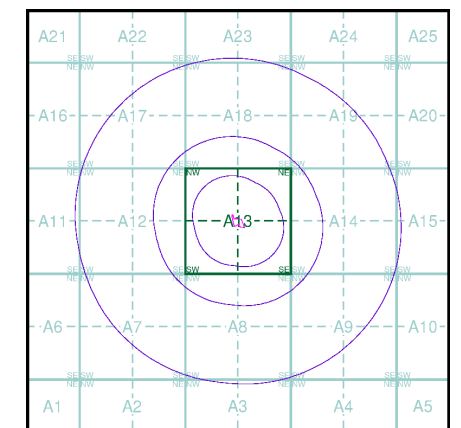
### General

- 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



### Order Details

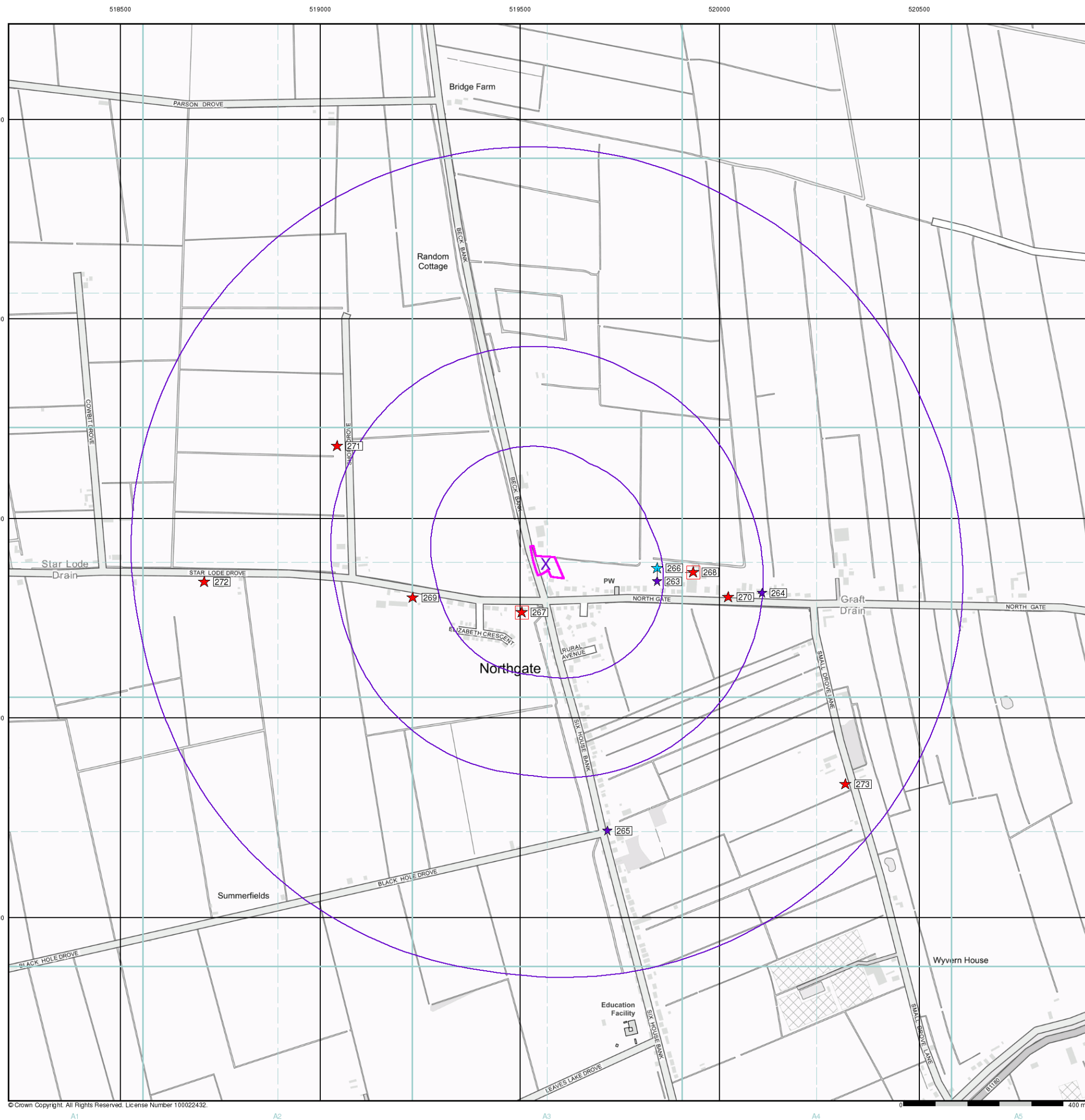
Order Number: 291479920\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.3  
Search Buffer (m): 1000

### Site Details

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN



Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)







### General

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

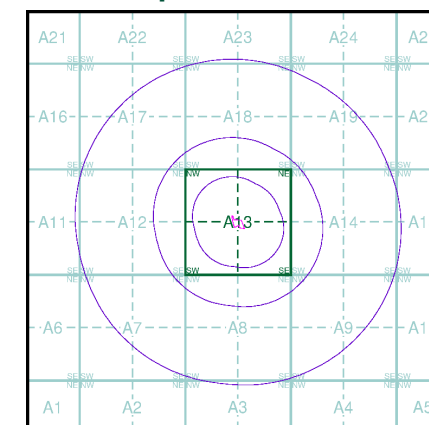
### Agency and Hydrological (Boreholes)

- 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](http://www.envirocheck.co.uk).

### Borehole Map - Slice A



### Order Details

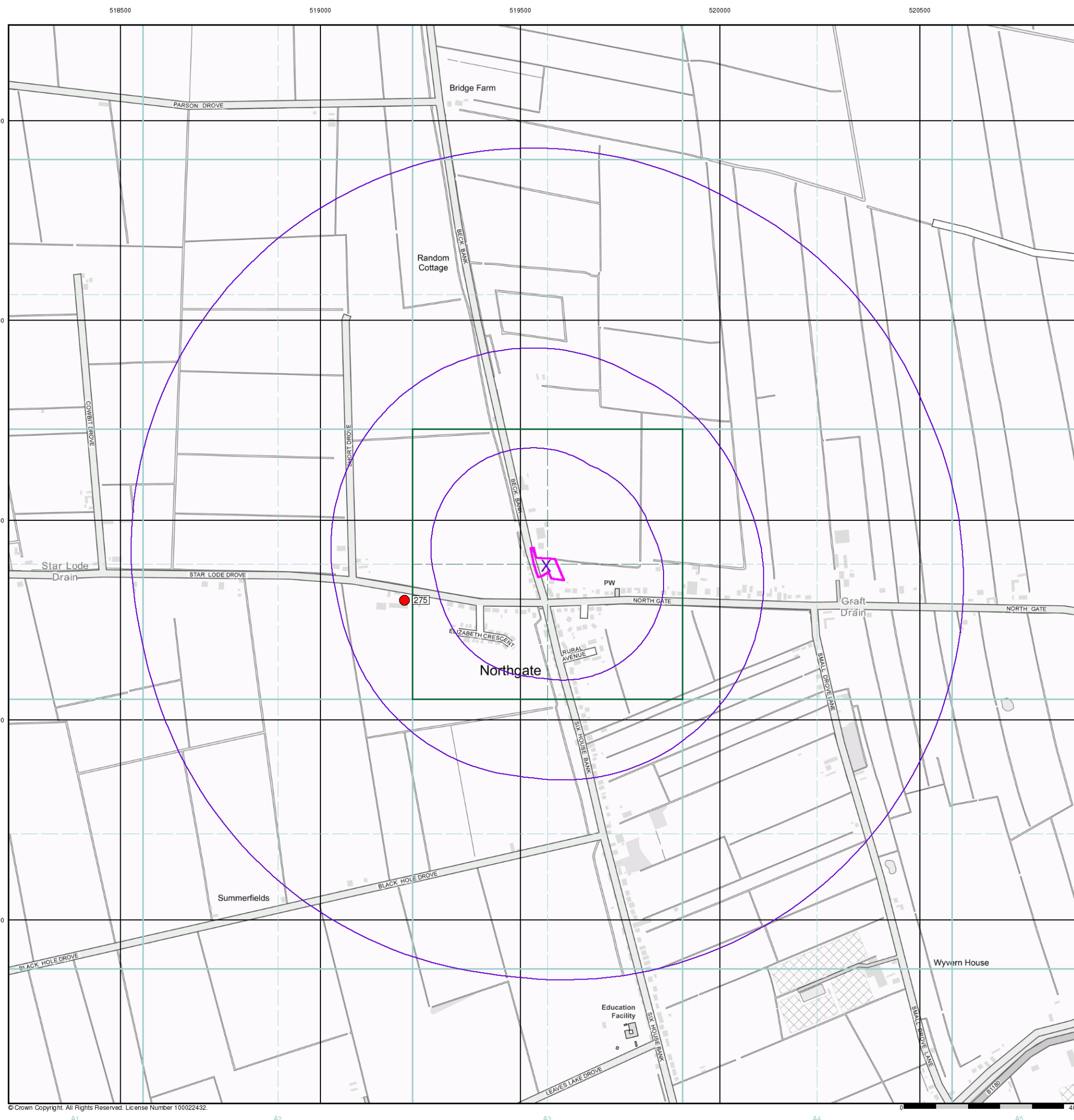
Order Number: 291479920\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.3  
Search Buffer (m): 1000

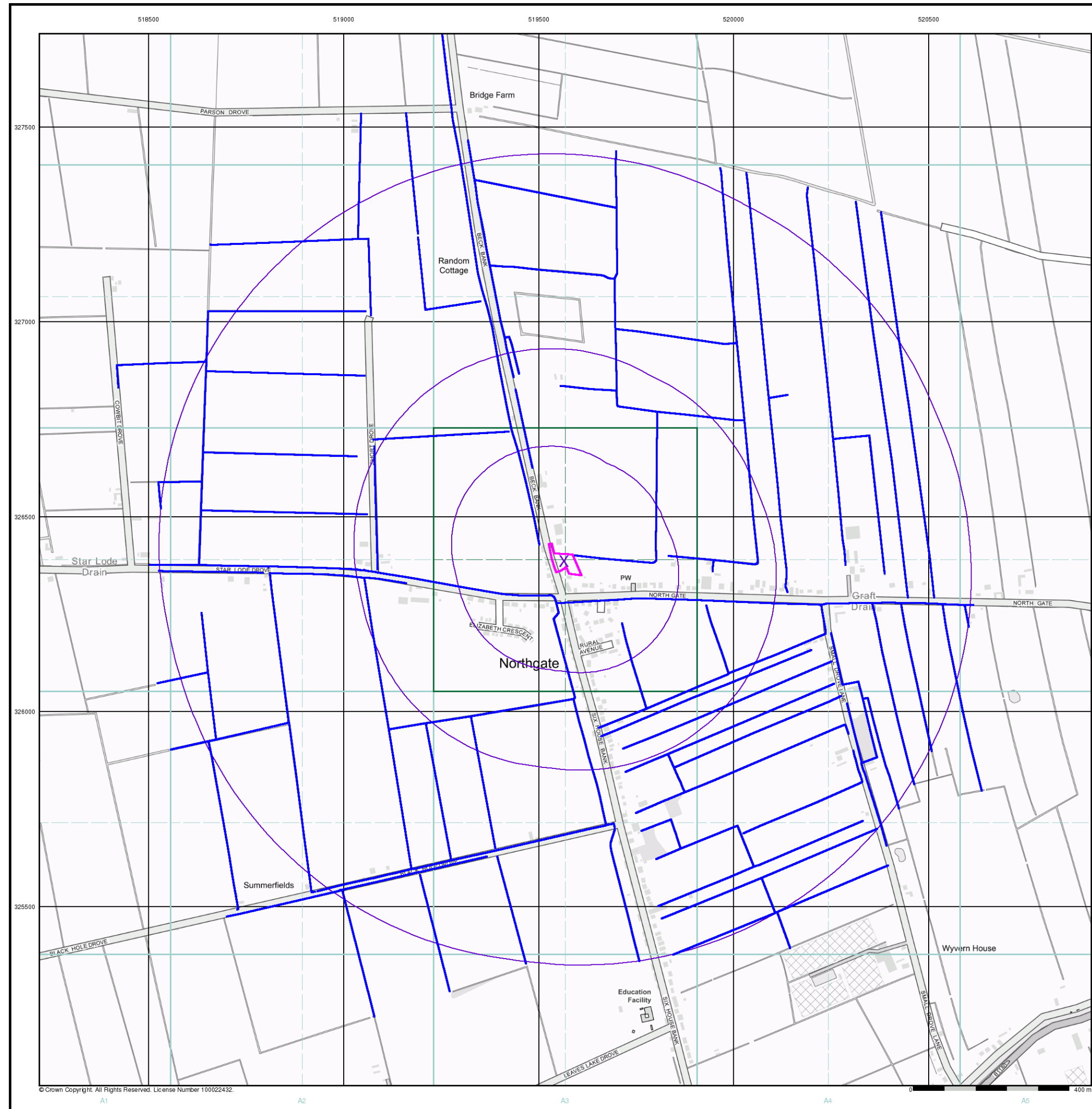
### Site Details

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN



Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





**General**

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

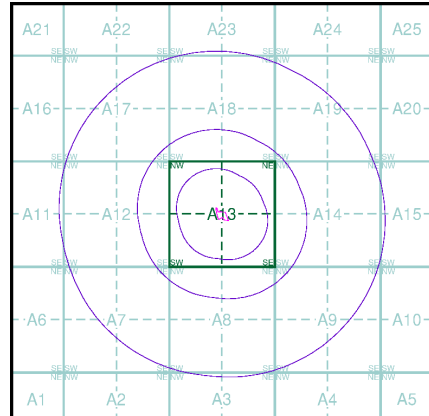
**OS Water Network Data**

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

**Contours (height in meters)**

- Standard Contour 105 100 95
- Master Contour
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

**OS Water Network Map - Slice A**



**Order Details**

Order Number: 291479920\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.3  
Search Buffer (m): 1000

**Site Details**

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN



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



### General

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

### Risk of Flooding from Surface Water

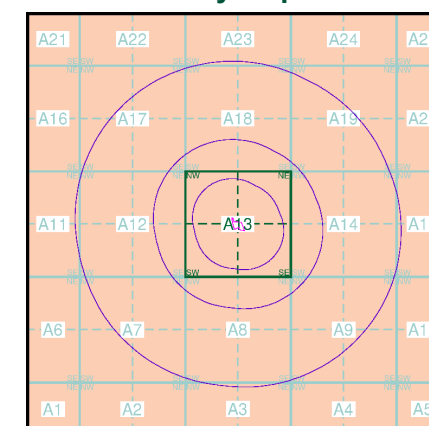
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

### Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

### E/NRW Suitability Map - Slice A



### Order Details

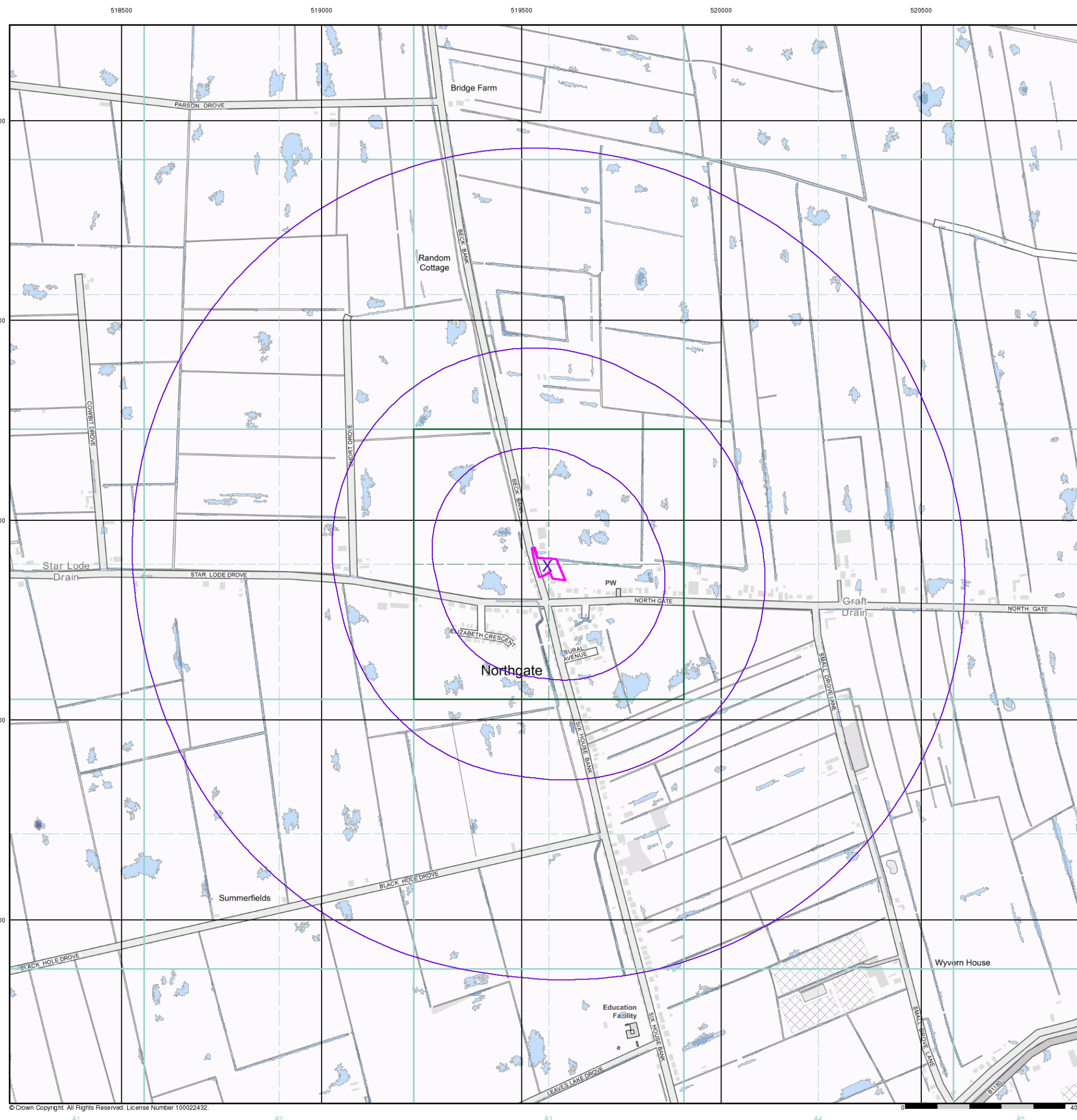
Order Number: 291479920\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.3  
Search Buffer (m): 1000

### Site Details

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN



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



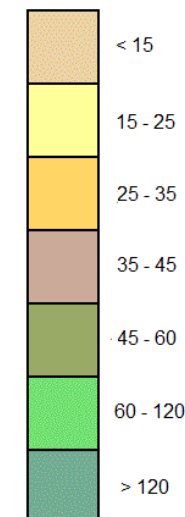


## General

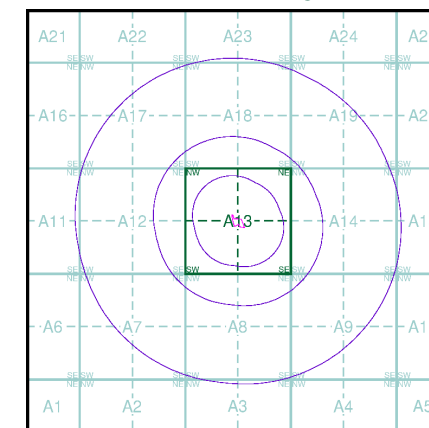
Specified Site Specified Buffer(s) Bearing Reference Point

## Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



## Estimated Soil Chemistry Arsenic - Slice A



## Order Details

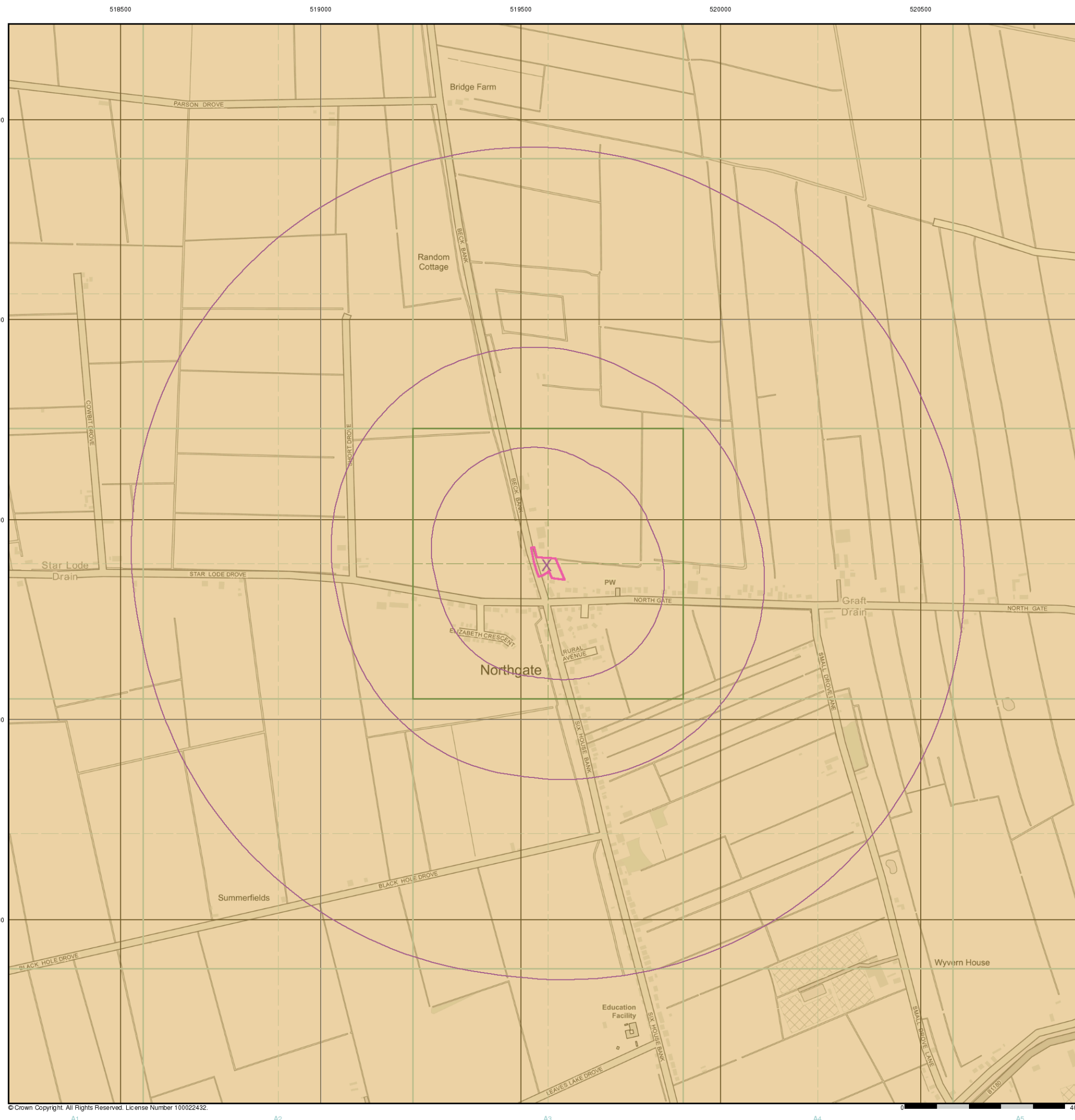
Order Details: 291479920\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.3  
Search Buffer (m): 1000

## Site Details

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN



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



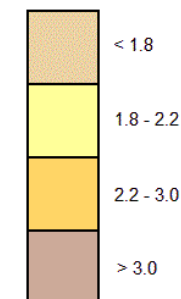


## General

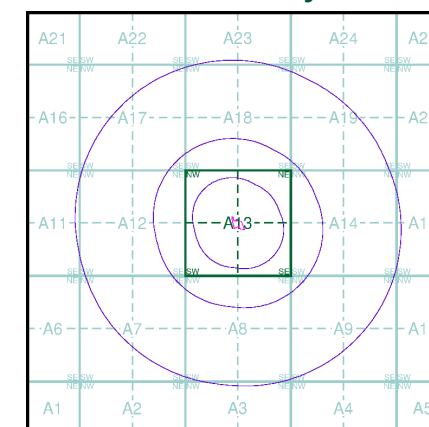
 Specified Site  Specified Buffer(s)  Bearing Reference Point

## Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



## Estimated Soil Chemistry Cadmium - Slice A



## Order Details

Order Details: 291479920\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.3  
Search Buffer (m): 1000

## Site Details

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN



Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)

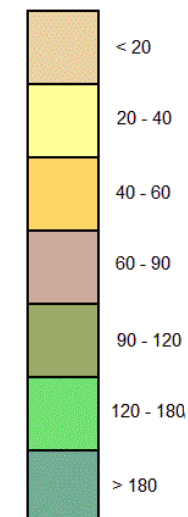


## General

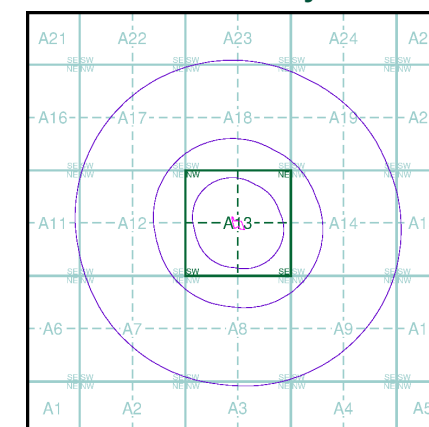
Specified Site Specified Buffer(s) Bearing Reference Point

## Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



## Estimated Soil Chemistry Chromium - Slice A



## Order Details

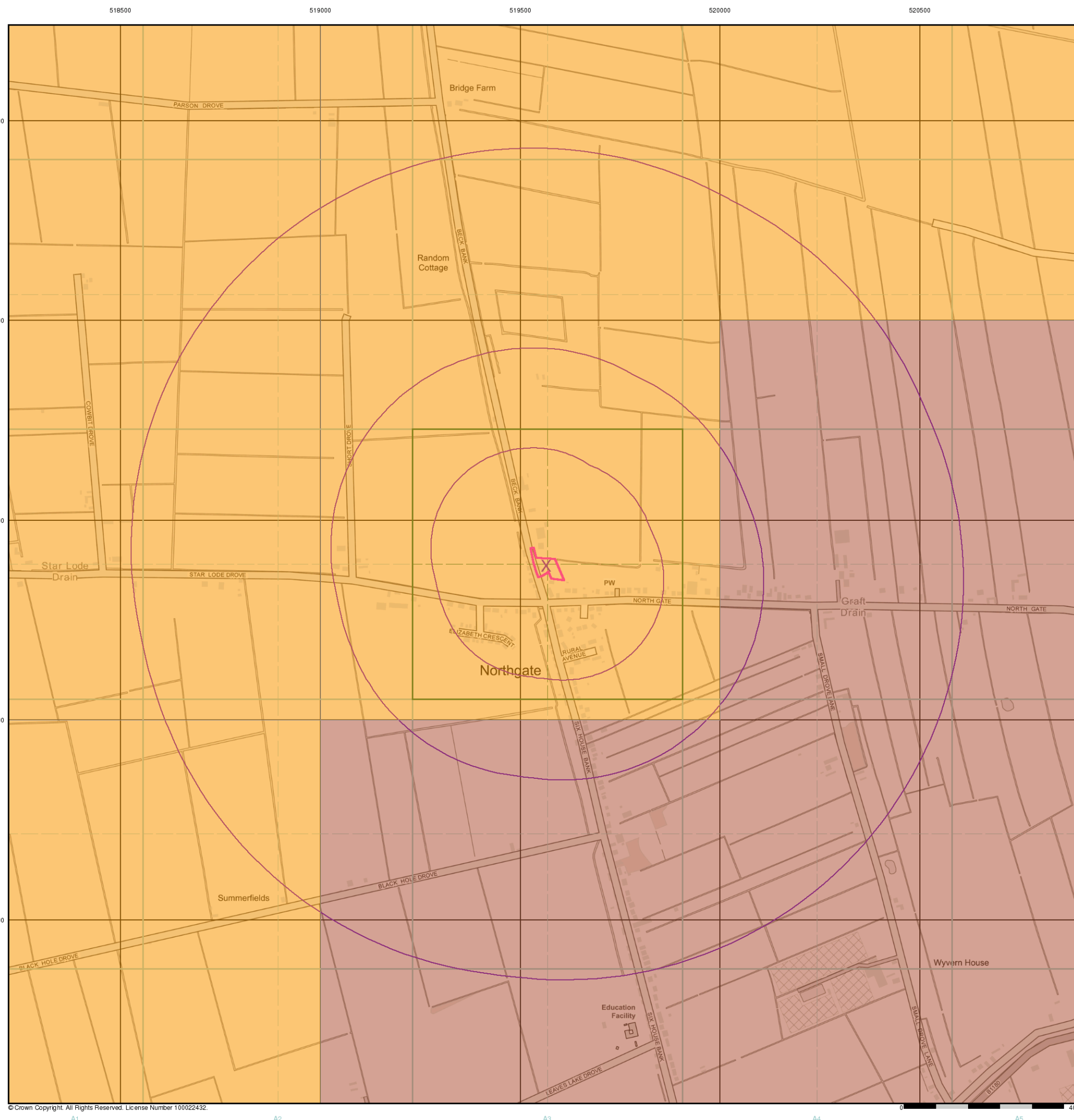
Order Details: 291479920\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.3  
Search Buffer (m): 1000

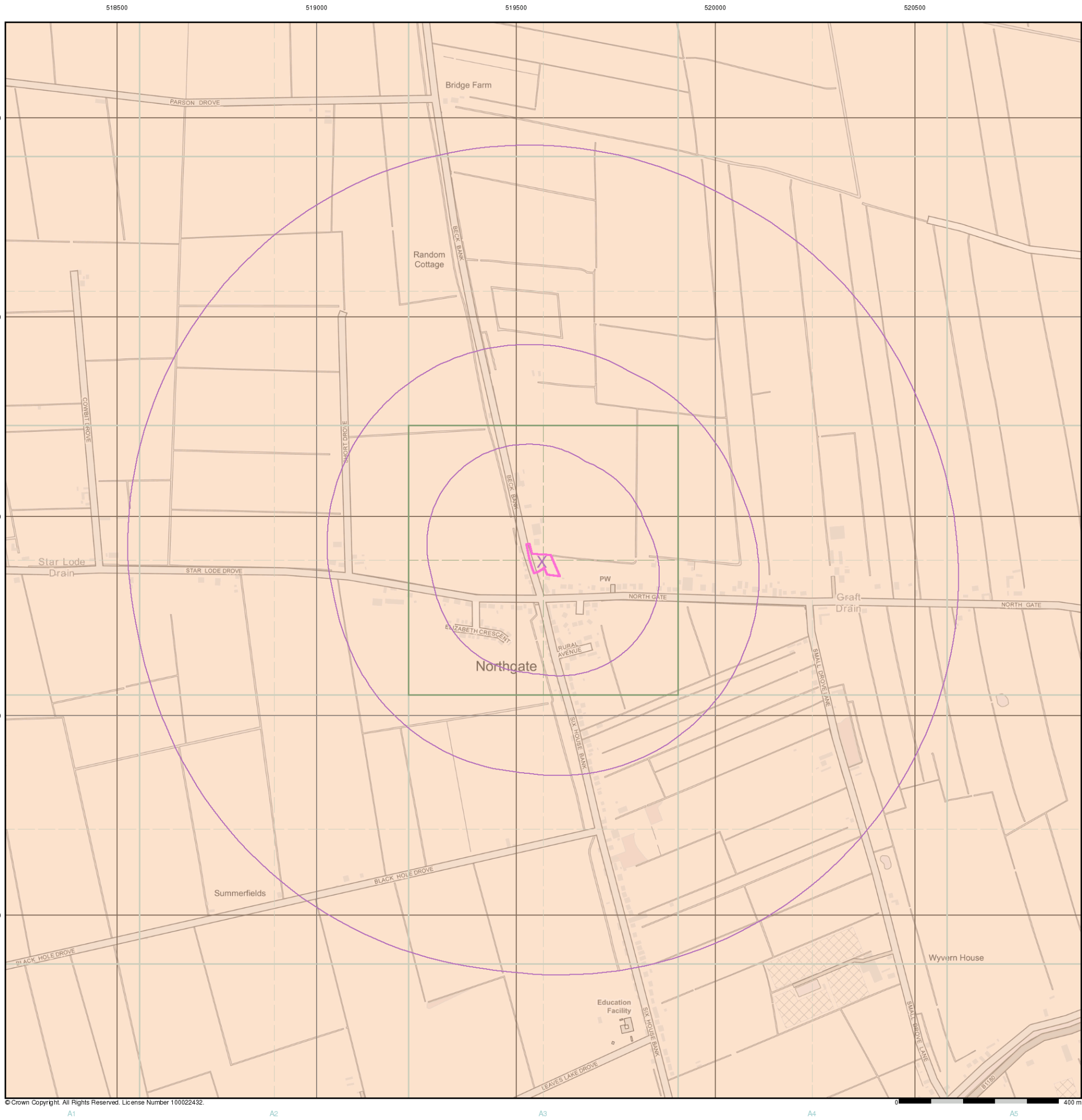
## Site Details

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN



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



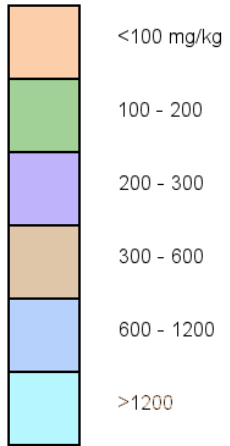


General

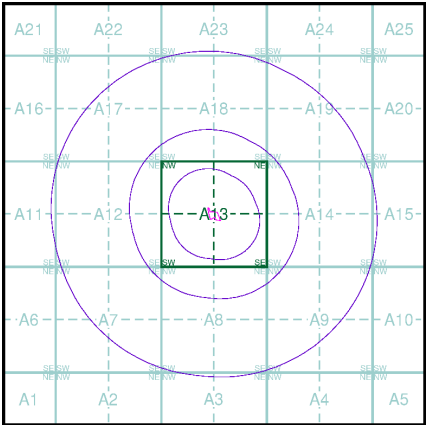
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 291479920\_1\_1
Customer Ref: R22007
National Grid Reference: 519560, 326390
Slice: A
Site Area (Ha): 0.3
Search Buffer (m): 1000

Site Details

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN



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

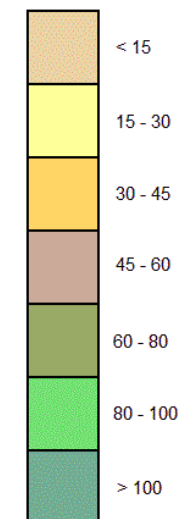


## General

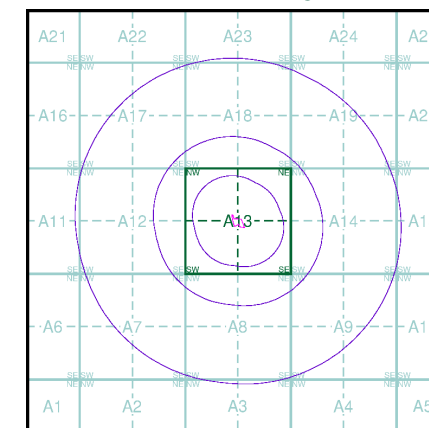
Specified Site Specified Buffer(s) Bearing Reference Point

## Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



## Estimated Soil Chemistry Nickel - Slice A



## Order Details

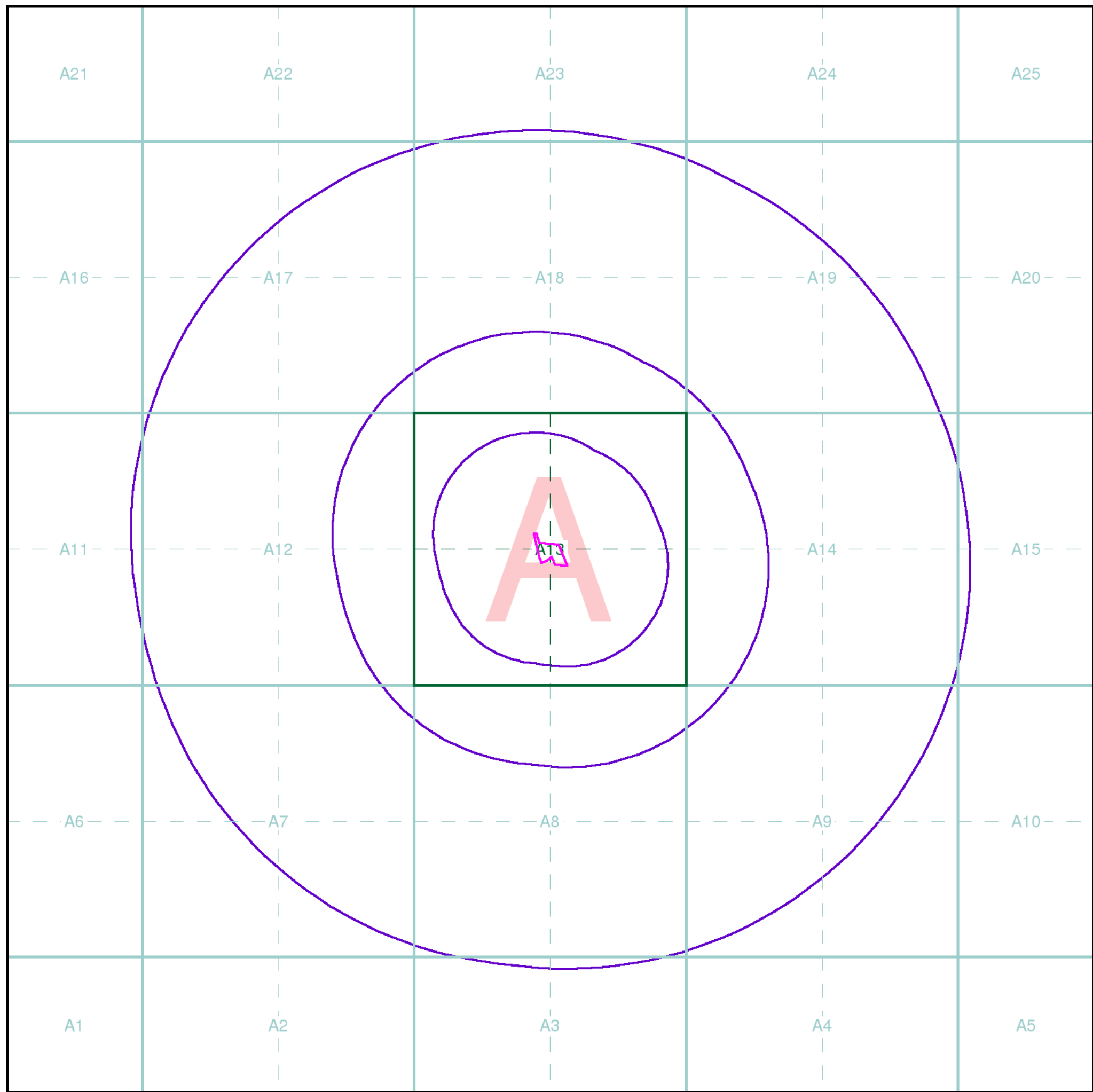
Order Details: 291479920\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519560, 326390  
Slice: A  
Site Area (Ha): 0.3  
Search Buffer (m): 1000

## Site Details

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN



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



## 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 A Hare, Grange Geo Consulting Ltd, 43 Winchilsea Avenue, Newark, Nottinghamshire, NG24 4AD

## Order Details

Order Number: 291479920\_1\_1  
Customer Ref: R22007  
National Grid Reference: 519570, 326380  
Site Area (Ha): 0.3  
Search Buffer (m): 1000

## Site Details

Beck Bank, West Pinchbeck, SPALDING, PE11 3QN

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



Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)

## **Appendix C**

### **SITE WALKOVER PHOTOGRAPHS**



**Photo Record**  
West Pinchbeck

Client- Highgrove Homes Ltd  
Date- February 2022

Appendix C



**Photo Record**  
West Pinchbeck

Client- Highgrove Homes Ltd  
Date- February 2022

Appendix C

## **Appendix D**

### ZETICA UXB PLAN

# UNEXPLODED BOMB RISK MAP



## SITE LOCATION

Map Centre: 519532,326479



## LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.

- military**
- industry**
- UXO find**
- transport**
- dock**
- Luftwaffe targets**
- utilities**
- Bombing decoy**
- other**

### How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment\* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment\* is necessary.

### What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

**Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.**

### If my site is in a low risk area, do I need to do anything?

If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

### If I have any questions, who do I contact?

tel: **+44 (0) 1993 886682**

email: **uxo@zetica.com**

web: **www.zeticauxo.com**

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: (<https://zeticauxo.com/downloads-and-resources/risk-maps/>)

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

\*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

