

Project details	Environmental Permit Application EPR/BP3702MC/A001 Larkshall Mill Aggregate Manufacturing Facility
Applicant details	O.C.O Technology Limited Montague Place Quayside Chatham Maritime Chatham Kent ME4 4QU
Report details	Installation EP Application Appendix E: Site Condition Report Document reference: OCO_2020.04/04_v1
Report date	14 January 2022
Submitted to	Permitting and Support Centre Environmental Permitting Team Environment Agency Quadrant 2 99 Parkway Avenue Parkway Business Park Sheffield S9 4WF Email: PSC@environment-agency.gov.uk
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1 INTRODUCTION

1.1 General

O.C.O Technology Ltd (the ‘applicant’) has requested that Reva Environmental Ltd (the ‘agent’) prepares an Environmental Permit (EP) application, for a new installation at Larkshall Mill, East Wretham, Thetford, Norfolk, IP24 1QY.

The site is located in a light commercial/industrial and agricultural area, at National Grid Reference TL 92002 89123. The site setting is described on **Drawing OCO-LKSM-EP03** provided in **Appendix D** of this application (2021). Access to the facility is off Thetford Road.

The facility will be developed in two phases, initially two of the three proposed production lines will be constructed. The full development will comprise a three-line physical waste treatment activity, supported by associated activities governing waste acceptance, storage, handling, and raw material and emissions management. The site will accept APC residues which are delivered in powder tankers and transferred into silos, then into a reactor where they are treated with carbon dioxide to lower the pH and reduce the leachability of some heavy metals. The material is then mixed with cement, sand, and water to turn it into pellets. The pellets are stored in covered bays and delivered to end users to make blocks. Processing is all carried out in a building.

This Site Condition Report (SCR) has been written to support the EP application; it is a requirement for new waste facilities to provide information on the ‘baseline’ condition. The SCR has been produced following the EA’s H5 guidance and a copy of the H5 form, Sections 1 – 3 completed as required, is provided in **Annex SCR1**. The purpose of the SCR is to describe the condition of the land and groundwater at the point of making this EP application. It is used to provide a baseline against which the conditions of the land and groundwater can be compared, at the point of surrendering the same EP. It enables the applicant to demonstrate that both have been protected during the lifetime of the site and that the land is in a satisfactory state at surrender.

The SCR Form H5 provided in Annex SCR1 is a live document and sections 4 to 7 will be updated during the lifetime of the site; sections 8 to 10 will be completed at the point of surrender.

A data search has been carried out for the application (ref. Landmark Information Group, Envirocheck Report, 286938653_1_1, 27 October 2021) and this provides much of the general information about the site that is presented in this SCR.

Historically, other investigations have been carried out at the site, namely a ground investigation in 2012 by RSA Geotechnics, and a pre-purchase Phase 1 desk study and ground investigation in 2020 by A F Howland Associates. The information in the latter reports has been referred to in this SCR but the full reports are held by the applicant (ref. JAH/20.304 Phase 1 dated 24.11.2020 and JAH/20.304 GIR dated 1 December 2020).

1.2 Site Location

The site is located in East Wretham, approximately 7 km northwest of Thetford. The key features of the surrounding area are summarised in **Table SCR1**.

Table SCR1: Features within 1 km

Direction	Features
North	<ul style="list-style-type: none"> • Sawpit Plantation lies immediately to the north of the ownership boundary. This includes a track that runs from the middle of the site boundary to the edge of the plantation to the east • Beyond the plantation is Saw Pit Farm and a series of 5 poultry houses which extend to Thetford Road (A1075) • The Farmhouse/Grove Farm sits immediately beyond the A1075 at approximately 250 m from the site boundary • At approximately 650 m to the north, there is an area labelled as a camp site. This nestles between the A1075 and Illington Road • Bridge Farm lies to the north east, approximately 650 m at its closest, and includes a series of 8 poultry houses • A reservoir lies to the north east beyond the Sawpit plantation, next to the poultry houses • The area is largely open fields, delineated by hedgerows, footpaths and tracks
East	<ul style="list-style-type: none"> • A reservoir lies to the immediate east of the site and is associated with the industrial premises that is to the south of the site • A second, larger, reservoir lies beyond that, at approximately 250 m at its closest • A farm labelled 'Wits End' lies approximately 650 m to the east and includes 8 poultry houses • The area is largely open fields, delineated by hedgerows, footpaths and tracks
South	<ul style="list-style-type: none"> • Other commercial and industrial units lie immediately to the south, labelled as a 'depot' • Beyond this is a series of 6 poultry houses at approximately 300 m • At some 400 m to the south is Sails Plantation which is within East Wretham Heath which extends to the south and joins Roudham Heath • Several sets of poultry houses are at the south and southeast, the closest of which is approximately 550 m southeast • The rest of the area is largely open fields, delineated by hedgerows, footpaths and tracks
West	<ul style="list-style-type: none"> • A number of small buildings lie immediately to the west, off the site haul road from Thetford Road. These are residential, tenanted but owned by the applicant • Beyond the haul road, Larkshall Cricket Ground lies at approximately 50 m • Plantation Farm, Middle Farm and Middle Plantation lie to the west north-west and include 2 sets of poultry houses, the closest of which is at approximately 400 m • The rest of the area is largely open fields, delineated by hedgerows, footpaths and tracks

1.3 Site Layout

The site comprises an area of land that currently houses several buildings and large yard area that has been used to operate the currently permitted materials recycling facility (MRF).

Vehicles access the site via the gate off Thetford Road to the west. Raw materials and waste are unloaded into the appropriate silos, tanks or bays within the permitted yard area, before exiting the

site via the same haul road. There is a traffic management system in place for all vehicles accessing both the EP facility and the other areas within the wider site boundary.

Whilst the applicant has purchased the whole site, the EP site boundary is limited to an area in the centre of the site which includes the main warehouse building that houses the three production lines.

The aggregate curing bays and final aggregate storage bays are to the east and south of the main building respectively but do not fall within the EP boundary as the material meets end-of-waste status following treatment.

The configuration of the facility is shown on **Drawing OCO-LKSM-EP02 Site Layout Plan**.

2 ENVIRONMENTAL SETTING

2.1 Data Sources

The following sources of data have been used to generate this SCR:

- Landmark Envirocheck dated 27 October 2021 for an area of 1 km around the site (ownership boundary). This includes:
 - Datasheets
 - Historical Ordnance Survey Plans
 - Sensitivity Maps
 - Groundwater Maps
- Magic.gov.uk for details on habitats sites
- EA basic pre-application advice
- Google earth imaging

A copy of the Landmark reports used are provided in **Annex SCR2**.

2.2 Geology

The site is underlain by the White Chalk Subgroup, as shown on the BGS 1:625,000 Solid Geology mapping.

There are 19 recorded mineral sites within 1 km of the site, all of which are historical (operations have ceased) and the closest of which (within 500 m) are as follows:

- Larkshall Pit, 211 - 426 m to the northeast and north. This was an opencast mine from which sand was historically extracted;
- Larkshall Pit, 278 m to the south. This is understood to be related to the one listed above and also extracted sand; and
- Middle Plantation Pit, 292 – 429 m to the west and south west. This was another open cast mine from which sand was extracted.

Full details of the 19 sites are shown in the Envirocheck Report as Map IDs 31 to 49.

The potential attributed to the site for collapsible ground stability hazard is insignificant ('very low') as it is for dissolution stability hazards and landslide hazards. There is 'no hazard' for compressible ground stability potential or shrinking or swelling clay ground stability hazards, and the potential is 'low' for running sand ground stability hazards. The site is in a lower probability radon area; no radon protective measures are required when constructing new buildings or extensions in the area.

2.3 Hydrogeology

The site is situated on a principal bedrock aquifer with a secondary undifferentiated superficial aquifer (high vulnerability); this is recorded as being a productive bedrock aquifer with well-

connected fractures (a 'high' pollutant speed).

The site is in a Groundwater Source Protection Zone (SPZ) III (Total Catchment), with the surrounding area (at 27m to the southwest) being classified as SPZ II (Outer Protection Zone).

According to the groundwater flooding map (in Annex SCR2), the site is not itself within a groundwater flood plain. To the north, at approximately 300 m, the southern edges of East Wretham are identified as having the potential for groundwater flooding to occur at below ground and at 600 m this is recorded at surface level too.

There is 1 groundwater abstraction recorded within 1 km of the site:

- R G Abrey Farms, Wretham. Water abstracted and used for general agriculture – spray irrigation, approximately 58 m to the south.

No license end date has been supplied so it is not clear if this is an active abstraction or not.

2.4 Surface Waters

The Landmark report does not list any surface water features as being within the search distance (1 km) of the site. Interrogation of the site mapping in Annex SCR2 shows a reservoir to the almost immediate east of the wider site ownership boundary, and two further reservoirs to the east beyond that and to the northeast beyond the Sawpit Plantation.

The Landmark report states that the site is not affected by any flooding. No surface water abstractions are recorded within 1 km of the site.

2.5 Sensitive Receptors

Sensitive receptors are considered to be those within 1 km of the site; this is the screening distance used for the Landmark report. Some receptors are more sensitive than others, for example a residential area is likely to be more sensitive than an industrial estate. The applicant sought basic pre-application advice from the EA for this application; the response (a copy of which is provided in **Appendix A**) confirms that there are several habitats sites within the screening distance of the site, including two Special Areas of Conservation (SACs) one of which is also a Special Protection Area (SPA), and three Sites of Special Scientific Interest (SSSIs). The SPA and SAC are within 10 km of the site boundary, whilst the SSSIs are within 2 km.

The site is designated as a nitrate vulnerable zone (NVZ), associated with the presence of the Ely Ouse and Cut-Off Channel, and the underlying Anglian Chalk.

3 Current Site Conditions

3.1 General

There is a permitted facility currently in operation at this location; the EP holder is the applicant, to whom the EP was transferred in June 2021 from Viridor Waste Management Limited (ref. EPR/KB3305ME/T001). The EP allows the acceptance and storage of waste and subsequent treatment consisting of physical sorting or separation into different components for disposal, recycling or reclamation. The operations are limited to a storage capacity of 2000 tonnes of waste at any one time (plus up to 1000 end-of-life vehicles) and treatment is limited to <50 tonnes per day.

The MRF building has been decommissioned from use following damage incurred during a fire. Viridor remains on site under a lease agreement with the applicant/EP holder and is using the site as a transfer facility, importing, storing and transferring (already) baled recyclable materials. This building (which is located to the east of the process building) will be demolished to create space for the filler material storage bay. The demolition process will include the removal and disposal of its cement bonded asbestos roof by and appropriate contractor, and remediation of a small area of low hydrocarbon contamination within the building associated with a historical diesel tank (as identified in the 2020 Howland report).

The site layout, in terms of buildings, yard and access etc. will not be changed by the permitting of it, however the building will be subject to some level of refurbishment prior to the permitted activities commencing. The key features are presented on **Drawing OCO-LKSM-EP02 Site Layout Plan**.

There is no connection to sewer or surface water drain from the process.

The majority of the outside areas benefit from concrete hard standing, with slopes to drain. The general condition across the yard is good and no remediation is considered necessary to meet the permit standards.

There will be no fuel storage within the EP boundary.

3.2 Groundwater Quality

The site is in a Groundwater Source Protection Zone (SPZ) III. There are no groundwater abstractions actually at the site, nor are there any point source emissions to groundwater.

Prior to the purchase of the site by the applicant, a ground investigation was commissioned; this was completed by AF Howland Associates and is set out in report JAH/20.304/GIR dated 1 December 2020. The investigation comprised a Phase 1 desk study and contamination assessment which looked at fifteen drilled boreholes. Groundwater was not encountered in any of the exploratory holes.

The Landmark Envirocheck report (datasheet) also provides BGS information on the soil chemistry of the area, including arsenic, cadmium, chromium, lead and nickel.

All baseline information would be used to compare against, should data be collected at the point of EP surrender.

3.3 Vegetation

The site is located in a rural area which is largely made up of farms and plantations. The Sawpit Plantation which is immediately to the northwest of the site comprises a large circular area that over time has extended in a west to easterly direction along the northern boundary of the site. This is an area of dense woodland in places and screens the site from Thetford Road to the northwest.

The smaller EP site that sits within the wider ownership boundary is not planted but there is tree screening along the haul road.

3.4 Potentially contaminating activities

As detailed in Section 3.1 the wider site is currently permitted to operate as an MRF, accepting and storing waste and subsequent treatment consisting of physical sorting or separation into different components for disposal, recycling or reclamation. The operations, when they were active, were limited to a storage capacity of 2000 tonnes of waste at any one time (plus up to 1000 end-of-life vehicles) and treatment was limited to <50 tonnes per day.

The MRF building has been decommissioned from use following damage incurred during a fire. Viridor remains on site under a lease agreement with the applicant/EP holder and is using the site as a transfer facility, importing, storing and transferring (already) baled recyclable materials.

The drainage system is detailed on **Drawing OCO-LKSM-EP04 Site Drainage Plan**.

3.5 Discharge Consents

There are two recorded discharge consents at the site, one supersedes the other and is as follows:

- O.C.O Technology Limited (the applicant) – for the discharge of treated effluent to land/soakaway (to groundwater via infiltration). The current consent was effective as of 9 August 2012

This is active and relates to the soakaway located in the northeastern corner of the site.

3.6 Surrounding Land Uses

3.6.1 EA Permitted Activities

There are 3 sites within 1 km which are regulated and operated under an Environment Agency issued IPPC permit. These are detailed in **Table SCR2**.

Table SCR2: IPPC Regulated Activities within 1km

Operator	EP Reference	EP Issue Date	Description	Distance & Direction
Banham Poultry (2018) Ltd	EPR/QP3308BD (variation)	21.01.2021	6.9 A(1)(a)(i) Intensive farming at an installation with more than 40,000 places for poultry	782 m NW
Banham Poultry (2018) Ltd	EPR/QP3708BM (variation)	10.06.2020	6.9 A(1)(a)(i) Intensive farming at an installation with more than 40,000 places for poultry	809 m E
Hook 2 Sisters Limited	EPR/JP3701PY (variation)	21.04.2020	6.9 A(1)(a)(i) Intensive farming at an installation with more than 40,000 places for poultry	902 m NE

3.6.2 LA PPC Activities

There are 2 LA PPC (Local Authority regulated) facilities reported in the Landmark Envirocheck as being currently authorised/permited within 1 km of the site; these are both active and are presented in **Table SCR3**.

Table SCR3: LA PPC Regulated Activities within 1 km

Operator	Permit No.	Permit issue date	Activity	Distance & Direction
BCL Milling Limited	030	30.06.1994	PG6/26 Animal feed compounding	Adjacent to the W
Arovit Pet Foods UK Limited	PPCA 047	29.04.1996	PG6/24 Pet food manufacturing	75 m NW

3.6.3 Landfill Activities

There are no active or historical landfill sites listed within 1 km of the site.

3.6.4 Discharge Consents

There is just one active discharge consent reported in the Landmark Envirocheck report within 1 km of the site; this is presented in **Table SCR4**.

Table SCR4: Discharge Consents

Operator	Location	Permit Issue Date	Discharge Type	Receiving Water	Distance & Direction
Mr. George Strong	Plot 1, The Hatchery	20.08.1987	Treated effluent to land / soakaway	River Thet (via groundwater)	912 m NE

3.6.5 Trade Directory Entries

The Landmark report lists all Trade Directory Entries. There is only one that is currently active within 1 km of the site and this is C&D Foods (pet food and animal feed manufacturer) which is 90 m to the southeast. The report does however identify a number of ‘points of interest’ and those within 500 m are summarised in **Table SCR5**.

Table SCR5: Summary of Points of Interest

Name	Activity	Distance & Direction
R G Abrey Farms	Arable farming	39 m SE
Poultry Houses (various listings)	Poultry farming, equipment and supplies	157 & 174 m N, 361 & 367 m S
Tanks	Tanks, generic	183 m NE, 304 m S, 497 m W
Workings	Unspecified quarries or mines	221 m E

A full list, including those that are inactive but will have operated historically, is included in the datasheet in **Annex SCR2** (Map ID: 52 to 69).

3.6.6 Hazardous Substances

The Landmark Envirocheck Report identified no COMAH (Control of Major Accident Hazards) sites, no active planning hazardous substance consents, no active explosive sites, no active notifications of installations handling hazardous substances (NIHHS), nor any active planning hazardous substance enforcements within 1 km of the site.

4 HISTORICAL LAND USES

4.1 Data Sources

Historical information has been obtained from historical maps and aerial photography presented within the Landmark Envirocheck Report:

- 1:2,500 scale maps dated: 1884, 1905, 1981, 1995 and 1999 (aerial photography);
- 1:10,560 scale maps dated: 1883 – 1886, 1906, 1952; and
- 1:10,000 scale maps dated: 1958, 1982 – 1983, 1990, 2000, 2006 and 2021.

4.2 On Site Activities

The earliest mapping of the site dates back to 1883, which shows it as undeveloped and with the Sawpit Plantation marked as being immediately to the northwest boundary.

The 1:10,000 map for 1958 still shows it to be undeveloped, but the next available map (1:2,500 dated 1981 shows it to have been fully developed and it is labelled as a depot. Within the boundary a number of buildings of varying sizes can now be seen, as can an electricity substation in the northwestern part of the site. There are no maps available for the intervening period so the year of development is unknown.

The site as it stands in the 1981 map remains like this through the 1980s and 1990s until an aerial photograph in 1999 shows that a building to the east has been replaced by 3 drainage ditches running in parallel north to south. These drainage ditches are present on the subsequent maps for 2000 and 2006, but have gone by 2021 at which point a lagoon/pond has replaced them in the northeastern corner of the site.

According to the 2020 A F Howland report, the site was historically used as a ‘depot’ with a planning application in 2006 indicating a change of use to a waste management facility.

4.3 Off Site Activities

Historical Ordnance Survey maps indicate a number of historical activities within a 1 km radius of the site; these are summarised in **Table SCR6**.

Table SCR6: Historical Off Site Activities

Date(s) and scale	Description
1883 - 1886 1:10,560	This shows the area as undeveloped fields. Sawpit Plantation is a circular area which sits immediately to the northwest of the site boundary. A building marked as Larkshall lies 200 m to the southwest. A clay pit is marked to the northeast at approximately 150 m. The closest edges of East Wretham are just outside the 1 km boundary to the north. Middle Plantation is shown to the west at approximately 500 m. East Wretham Heath covers a large area to the south-southwest at 400 m at its closest. Sails Plantation is located in the closest corner of the Heath to the site. The Bury, Thetford & Swaffham Branch railway line curves round from the south and runs in a northerly direction to the east of the site at 800 m.
1884 1:2,500	The area reflects that shown on the 1883-1886 map.
1905 1:2,500	The area remains unchanged from that shown on the 1884 map.
1906 1:10,560	The area remains unchanged from that shown on the 1905 map.
1952 1:10,560	The Sawpit Plantation has extended significantly and now extends easterly from its original location, running along the northern boundary, joining the clay pit to the northeast and a further clay pit beyond that in the same direction. A military camp is now marked to the north, at approximately 700 m at its closest. Grove Farm (farmhouse and land) is now shown to the north at 250 m on the immediate west of Thetford Road. Middle plantation to the west has expanded in size.
1958 1:10,000	The area remains unchanged from that shown on the 1952 map.
1981 1:2,500	A body of water is marked to the south of the site. A small reservoir is now shown close to the northwestern boundary, beyond which are a number of what looks like commercial units. A cricket ground is shown to the southwest, within 100 m. The lane running along the western boundary of the site is now marked as Thetford Road (the A1075). Beyond the cricket ground, next to the A1075, Larkshall House is marked. A set of six poultry houses (and associated tank) are shown to the north beyond the Sawpit Plantation as about 90 m.
1982 - 1983 1:10,000	The body of water to the south is no longer marked. A number of additional poultry houses have been built – to the north-east, east, south, south-east, and west. These are between 250 m (east) and 800 m (north-east and south) from the site. East Wretham Heath is now marked as a Nature Reserve.

1990 1:10,000	Limited data shown on this map.
1995 1:2,500	The clay pit to the northeast is now marked as disused. The small reservoir to the northwest
1999 Aerial Photograph	A reservoir can be seen to the east of the site, approximately 50 m at its closest.
2000 1:10,000	The area remains largely unchanged from that shown on the 1999 aerial photograph with the exception of the presence of Plantation Farm at 400 m to the west (seemingly associated with the Middle Plantation poultry houses) and the presence of a large 'depot' to the south of the site. The latter comprises two large buildings.
2006 1:10,000	An additional reservoir is now marked, beyond the existing one to the east of the site, at approximately 300 m.
2021 1:10,000	A third larger reservoir is now marked, to the north of the site beyond the Sawpit Plantation, adjacent to the Saw Pit Farm poultry houses. The depot to the south of the site has extended significantly, both to the west and south of the previously marked buildings. The poultry houses to the south (at 750 m) are gone and the area is marked as 'Mere Farm Bungalow' with associated land and tanks.

4.4 Pollution Incidents

A single substantiated incident is reported in the Landmark Envirocheck report ('substantiated pollution incident register'). This is presented in **Table SCR7**.

Table SCR7: Pollution Incidents within 1 km

Pollutant	Incident Date & Category	Receiving Water	Distance & Direction
Oils and Fuel: Gas and fuel oils	30.03.2020 Category 2 – Significant incident (water)	N/A	765 m N

4.5 Historic Contamination

Based on the location of the site and the historical industrial activities that have taken place in close proximity to the site, it is considered that there is very little potential for ground and groundwater to be contaminated.

As referred to elsewhere in this SCR, prior to the purchase of the site by the applicant, a ground investigation was commissioned; this was completed by AF Howland Associates and is set out in report JAH/20.304/GIR dated 1 December 2020. A summary of the findings is presented in Section 4.6 below.

There is only one reported pollution incident on record, as shown in Table SCR7 above; nothing in close proximity to (or on) the site.

4.6 Baseline Data

As referred to elsewhere in this SCR, prior to the purchase of the site by the applicant, a ground investigation was commissioned; this was completed by AF Howland Associates and is set out in report JAH/20.304/GIR dated 1 December 2020. The fieldwork comprised fifteen sample holes which were drilled to at least 4 m depth.

Chemical analysis of the excavated material revealed no elevated concentrations of contaminants that could impact upon human health (considering the continued use of the site with minimal alterations to the existing ground and structures).

Results of the controlled waters risk assessment indicated that the leachate concentrations are present below the laboratory detection limit, EQS value, or WHO drinking water standards, with the exception of antimony, arsenic, mercury, nickel, benzo(a)pyrene and various TPHs. The principle contaminant of concern were identified in that report as being the petroleum hydrocarbons (TPHs) given their potential to be highly mobile within the water environment, however the preliminary risk assessment concluded that there would be no impact to groundwater at a generic 50 m compliance point from any contamination found within the soil leachate samples.

The information in the 2020 report would be used as a baseline state, should data need to be collected at the point of EP surrender and compared with the pre-permit condition.

5 CONCLUSIONS

The data shows that the area has been used for farming, primarily poultry, and quarrying therefore the potential for pollution is both limited in terms of likelihood and character.

There is only one reported pollution incident on record, as shown in Table SCR7 above; nothing in close proximity to (or on) the site therefore in terms of pollution history and potential contamination this is considered, anecdotally, to be low.

In certain circumstances it is considered appropriate to collect baseline data. Whilst the study above would suggest this may not be required for this site, a site investigation was carried out as part of the purchase process by the applicant.

As a result, there is a significant level of quantitative data for the site. This will enable the applicant to quantify any contamination caused by the permitted activities and remediation to be carried out if necessary prior to the surrender of the permit.

SITE CONDITION REPORT TEMPLATE

For full details, see H5 *SCR guide for applicants* v2.0 4 August 2008

COMPLETE SECTIONS 1-3 AND SUBMIT WITH APPLICATION

SUBMITTED FOR THE 2022 EP APPLICATION, REF. OCO_2020.04, as ANNEX SCR1 in APPENDIX E

DURING THE LIFE OF THE PERMIT: MAINTAIN SECTIONS 4-7

AT SURRENDER: ADD NEW DOC REFERENCE IN 1.0; COMPLETE SECTIONS 8-10; & SUBMIT WITH YOUR SURRENDER APPLICATION.

1.0 SITE DETAILS	
Name of the applicant	O.C.O Technology Limited
Activity address	Larkshall Mill East Wretham Thetford Norfolk IP24 1QY
National grid reference	TL 92002 89123

Document reference and dates for Site Condition Report at permit application and surrender	Site Condition Report at permit application, ref. OCO_2020.04/04 dated 14 January 2022
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Document references for site plans (including location and boundaries)	<ul style="list-style-type: none"> ■ Drawing OCO-LKSM-EP01: Site Location Plan ■ Drawing OCO-LKSM-EP02: Site Layout Plan ■ Drawing OCO-LKSM-EP03: Site Setting ■ Drawing OCO-LKSM-EP04: Site Drainage Plan <p>All provided in Appendix D of the permit application (OCO_2020.04) dated 14 January 2022</p>
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Note:

In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.
- Locations of receptors, sources of emissions/releases, and monitoring points.
- Site drainage.
- Site surfacing.

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

2.0 Condition of the land at permit issue	
Environmental setting including: <ul style="list-style-type: none"> • geology • hydrogeology • surface waters 	See Sections 2.2, 2.3, and 2.4 of the Site Condition Report submitted as Appendix E of the permit application, ref. OCO_2020.04/04 dated 14 January 2022.
Pollution history including: <ul style="list-style-type: none"> • pollution incidents that may have affected land • historical land-uses and associated contaminants • any visual/olfactory evidence of existing 	See Section 3 (Current Site Conditions) and Section 4 (Historical Land Uses) of the Site Condition Report submitted as Appendix E of the permit application, ref. OCO_2020.04/04 dated 14 January 2022.

contamination	
<ul style="list-style-type: none"> evidence of damage to pollution prevention measures 	
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	No site investigation has been undertaken; the historical land uses and potential contamination are detailed in Section 4 of the Site Condition Report submitted as Appendix E of the permit application, ref. OCO_2020.04/04 dated 14 January 2022.
Baseline soil and groundwater reference data	N/A – none submitted
Supporting information	<ul style="list-style-type: none"> Envirocheck Datasheet/Report (Annex SCR2 of Appendix E) Historical Ordnance Survey plans (Annex SCR2 of Appendix E) Site Sensitivity Mapping (Annex SCR2 of Appendix E) Groundwater Mapping (Annex SCR2 of Appendix E)

3.0 Permitted activities	
Permitted activities	Application seeks to permit the installation and operation of 3 duplicate production lines that will treat air pollution control (APC) residues to create an aggregate that can be used in block manufacture. The activity comprises 3 listed activities for the production line, 1 listed activity for the storage of hazardous waste, and a number of DAAs for the handling and storage of waste, raw materials (binder, filler and CO2) and management of surface water
Non-permitted activities undertaken	N/A – all activities within the EP boundary are permitted
Document references for: <ul style="list-style-type: none"> plan showing activity layout; and environmental risk assessment. 	Drawing OCO-LKSM-EP02: Site Layout Plan in Appendix D and Appendix G – Environmental Risk Assessment (ref. OCO_2020.04/06)

Note:

In Part B of the application form you must tell us about the activities that you will undertake at the site. You must also give us an environmental risk assessment. This risk assessment must be based on our guidance (*Environmental Risk Assessment - EPR H1*) or use an equivalent approach.

It is essential that you identify in your environmental risk assessment all the substances used and produced that could pollute the soil or groundwater if there were an accident, or if measures to protect land fail.

These include substances that would be classified as 'dangerous' under the Control of Major Accident Hazards (COMAH) regulations and also raw materials, fuels, intermediates, products, wastes and effluents.

If your submitted environmental risk assessment does not adequately address the risks to soil and groundwater we may need to request further information from you or even refuse your permit application.

4.0 Changes to the activity	
Have there been any changes to the activity boundary?	If yes, provide a plan showing the changes to the activity boundary.
Have there been any changes to the permitted activities?	If yes, provide a description of the changes to the permitted activities
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	If yes, list of them
Checklist of supporting information	<ul style="list-style-type: none"> • Plan showing any changes to the boundary (where relevant) • Description of the changes to the permitted activities (where relevant) • List of 'dangerous substances' used/produced by the permitted activities that were not identified in the Application Site Condition Report (where relevant)

5.0 Measures taken to protect land	
Use records that you collected during the life of the permit to summarise whether pollution prevention measures worked. If you can't, you need to collect land and/or groundwater data to assess whether the land has deteriorated.	
Checklist of supporting information	<ul style="list-style-type: none"> • Inspection records and summary of findings of inspections for all pollution prevention measures • Records of maintenance, repair and replacement of pollution prevention measures

6.0 Pollution incidents that may have had an impact on land, and their remediation	
Summarise any pollution incidents that may have damaged the land. Describe how you investigated and remedied each one. If you can't, you need to collect land and /or groundwater reference data to assess whether the land has deteriorated while you've been there.	
Checklist of supporting information	<ul style="list-style-type: none"> • Records of pollution incidents that may have impacted on land • Records of their investigation and remediation

7.0 Soil gas and water quality monitoring (where undertaken)

Provide details of any soil gas and/or water monitoring you did. Include a summary of the findings. Say whether it shows that the land deteriorated as a result of the permitted activities. If it did, outline how you investigated and remedied this.

Checklist of supporting information	<ul style="list-style-type: none">• Description of soil gas and/or water monitoring undertaken• Monitoring results (including graphs)
--	--

8.0 Decommissioning and removal of pollution risk

Describe how the site was decommissioned. Demonstrate that all sources of pollution risk have been removed. Describe whether the decommissioning had any impact on the land. Outline how you investigated and remedied this.

Checklist of supporting information	<ul style="list-style-type: none">• Site closure plan• List of potential sources of pollution risk• Investigation and remediation reports (where relevant)
--	--

9.0 Reference data and remediation (where relevant)

Say whether you had to collect land and/or groundwater data. Or say that you didn't need to because the information from sections 3, 4, 5 and 6 of the Surrender Site Condition Report shows that the land has not deteriorated.

If you did collect land and/or groundwater reference data, summarise what this entailed, and what your data found. Say whether the data shows that the condition of the land has deteriorated, or whether the land at the site is in a "satisfactory state". If it isn't, summarise what you did to remedy this. Confirm that the land is now in a "satisfactory state" at surrender.

Checklist of supporting information	<ul style="list-style-type: none">• Land and/or groundwater data collected at application (if collected)• Land and/or groundwater data collected at surrender (where needed)• Assessment of satisfactory state• Remediation and verification reports (where undertaken)
--	--

10.0 Statement of site condition

Using the information from sections 3 to 7, give a statement about the condition of the land at the site. This should confirm that:

- the permitted activities have stopped
- decommissioning is complete, and the pollution risk has been removed
- the land is in a satisfactory condition.

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

286938653_1_1

Customer Reference:

OCO_2020.04

National Grid Reference:

592030, 289120

Slice:

A

Site Area (Ha):

2.23

Search Buffer (m):

1000

Site Details:

O.C.O Technology, Thetford Road

Wretham

THETFORD

IP24 1QY

Client Details:

Miss R Hodkinson

Reva Environmental Ltd

8 The Chancery

Bramcote

Nottingham

Nottinghamshire

NG9 3AJ

Prepared For:

O.C.O Technology Limited

Larkshall Mill

East Wretham

Thetford

Norfolk

IP24 1QY

Report Section	Page Number
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Hazardous Substances	-
Geological	15
Industrial Land Use	20
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Data Currency	24
Data Suppliers	29
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Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1	2		1	2
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 2		4		12
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 6	1	1		
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6	Yes			
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 6				1
Water Abstractions	pg 7		8		1 (*12)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 12	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 12	2	n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 12	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 12	Yes	n/a	n/a	n/a
Source Protection Zones	pg 12	1	1		
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 13				8

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 14		1		1
Local Authority Landfill Coverage	pg 14	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 14		1		
Potentially Infilled Land (Water)	pg 14				2
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 15	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 15	Yes			
BGS Recorded Mineral Sites	pg 15		1	5	13
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	pg 18	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 18	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 18		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 18	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 18	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 19	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 19		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 20	3	1		
Fuel Station Entries					
Points of Interest - Commercial Services	pg 20	1			
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 20		5	5	16
Points of Interest - Public Infrastructure	pg 22	1			
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas	pg 23	1			
Forest Parks	pg 23			1	1
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 23	2			
Ramsar Sites					
Sites of Special Scientific Interest	pg 23			1	1
Special Areas of Conservation	pg 23				1
Special Protection Areas	pg 23			1	
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (NE)	0	1	592035 289123
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	160	1	592000 289350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	277	1	591900 289450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	305	1	592035 289500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	360	1	592000 289550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	500	1	592035 289700
1	Discharge Consents Operator: O.C.O Technology Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Larkshall Mill Thetford Road, East Wretham, Thetford, Norfolk, Ip24 1qy Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Eprqp3822xa Permit Version: 2 Effective Date: 9th August 2012 Issued Date: 9th August 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwater Via Infiltration Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	0	2	592088 289182
1	Discharge Consents Operator: Viridor Waste Management Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Larkshall Mill Thetford Road, East Wretham, Thetford, Norfolk, Ip24 1qy Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Eprqp3822xa Permit Version: 1 Effective Date: 21st March 2012 Issued Date: 21st March 2012 Revocation Date: 8th August 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwater Via Infiltration Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	0	2	592088 289182
2	Discharge Consents Operator: Miss N Fisher Property Type: Domestic Property (Multiple) Location: Larkhall Cottages Thetford Road, East Wretham, Thetford, Norfolk, Ip24 1ru Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr1lfu249 Permit Version: 1 Effective Date: 13th February 1984 Issued Date: 13th February 1984 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Onto Land Environment: Receiving Water: Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	304	2	591800 288800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: Mr Brian Evans Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Premises At Moneytree Farm Croxton Rd, Wretham, Thetford, Norfolk Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prclf00903 Permit Version: 1 Effective Date: 20th July 1989 Issued Date: 20th July 1989 Revocation Date: 29th July 1997 Discharge Type: Unknown Discharge: Onto Land Environment: Receiving Water: Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A12NE (NW)	589	2	591400 289400
4	<p>Discharge Consents</p> <p>Operator: Mr George Stronge Property Type: Domestic Property (Single) Location: Plot 1, The Hatchery The Hatchery, East Wretham, Thetford, Norfolk, Ip24 1qr Authority: Environment Agency, Anglian Region Catchment Area: River Thet (Attleborough - Thetford) Reference: Pr11f2816 Permit Version: 1 Effective Date: 20th August 1987 Issued Date: 20th August 1987 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A19NE (NE)	912	2	592700 289900
5	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Poultry (2018) Ltd Location: Cuttings Farm - Epr/Hp3532qy, Cuttings Farm, Larkshall, Thetford Road, East Wretham, Norfolk, IP24 1QZ Authority: Environment Agency, Anglian Region Permit Reference: HP3532QY Original Permit Ref: Hp3532qy Effective Date: 13th December 2018 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole without Fit and Proper Person Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A13NE (E)	231	2	592347 289177
5	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Group Ltd Location: Cuttings Farm, Cuttings Farm, Larkshall, Thetford Road, East Wretham, Norfolk, IP24 1QZ Authority: Environment Agency, Anglian Region Permit Reference: WP3134NU Original Permit Ref: Ap3533ud Effective Date: 27th June 2013 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A13NE (E)	231	2	592347 289177

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Group Ltd Location: Cuttings Farm, Cuttings Farm,Larkshall, Thetford Road,East Wretham, Norfolk, IP24 1QZ Authority: Environment Agency, Anglian Region Permit Reference: WP3635TQ Original Permit Ref: Ap3533ud Effective Date: 12th April 2010 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y</p>	A13NE (E)	231	2	592347 289177
5	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Poultry Ltd Location: Cuttings Farm, Cuttings Farm,Larkshall, Thetford Road,East Wretham, Norfolk, IP24 1QZ Authority: Environment Agency, Anglian Region Permit Reference: AP3533UD Original Permit Ref: Ap3533ud Effective Date: 16th April 2008 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A13NE (E)	231	2	592347 289177
6	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Group Ltd Location: Pitt Farm Epr/Ep3834uk, Pitt Farm, Larkshall,Thetford Road,East Wretham, Norfolk, IP24 1QZ Authority: Environment Agency, Anglian Region Permit Reference: NP3136RM Original Permit Ref: Ep3834uk Effective Date: 16th May 2016 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y</p>	A9NW (SE)	653	2	592481 288517
6	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Group Ltd Location: Pitt Farm Epr/Ep3834uk, Pitt Farm, Larkshall,Thetford Road,East Wretham, Norfolk, IP24 1QZ Authority: Environment Agency, Anglian Region Permit Reference: AP3335TR Original Permit Ref: Ep3834uk Effective Date: 12th April 2010 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A9NW (SE)	653	2	592481 288517

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Poultry Ltd Location: Pitt Farm Epr/Ep3834uk, Pitt Farm, Larkshall, Thetford Road, East Wretham, Norfolk, IP24 1QZ Authority: Environment Agency, Anglian Region Permit Reference: JP3338GY Original Permit Ref: Ep3834uk Effective Date: 10th December 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y</p>	A9NW (SE)	653	2	592481 288517
6	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Poultry Ltd Location: Pitt Farm Epr/Ep3834uk, Pitt Farm, Larkshall, Thetford Road, East Wretham, Norfolk, IP24 1QZ Authority: Environment Agency, Anglian Region Permit Reference: YP3638GA Original Permit Ref: Ep3834uk Effective Date: 8th August 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A9NW (SE)	653	2	592481 288517
6	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Poultry Ltd Location: Pitt Farm Epr/Ep3834uk, Pitt Farm, Larkshall, Thetford Road, East Wretham, Norfolk, IP24 1QZ Authority: Environment Agency, Anglian Region Permit Reference: EP3834UK Original Permit Ref: Ep3834uk Effective Date: 31st March 2008 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A9NW (SE)	653	2	592481 288517
7	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Poultry (2018) Ltd Location: Middle Farm & Saw Pit Farm - Epr/Fp3432qw, Middle Farm, Thetford Road, East Wretham, THETFORD, Norfolk, IP24 1RB Authority: Environment Agency, Anglian Region Permit Reference: FP3432QW Original Permit Ref: Fp3432qw Effective Date: 13th December 2018 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole without Fit and Proper Person Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y</p>	A17SE (NW)	753	2	591375 289644

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Group Limited Location: Middle Farm & Saw Pit Farm, Middle Farm, Thetford Road, ,East Wretham, THETFORD, Norfolk, IP24 1RB Authority: Environment Agency, Anglian Region Permit Reference: EP3932NQ Original Permit Ref: Ep3932nq Effective Date: 17th December 2013 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y</p>	A17SE (NW)	753	2	591375 289644
8	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Poultry (2018) Ltd Location: Middle Farm & Saw Pit Farm - Epr/Fp3432qw, Middle Farm, Thetford Road,,East Wretham, THETFORD, IP24 1RB Authority: Environment Agency, Anglian Region Permit Reference: QP3308BD Original Permit Ref: Fp3432qw Effective Date: 21st January 2021 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y</p>	A17SE (NW)	782	2	591390 289700
9	<p>Integrated Pollution Prevention And Control</p> <p>Name: Banham Poultry (2018) Ltd Location: Cuttings Farm - Epr/Hp3532qy, Cuttings Farm, Larkshall, Thetford Road, East Wretham, Norfolk, IP24 1QZ Authority: Environment Agency, Anglian Region Permit Reference: QP3708BM Original Permit Ref: Hp3532qy Effective Date: 10th June 2020 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y</p>	A14SE (E)	809	2	592920 288940
10	<p>Integrated Pollution Prevention And Control</p> <p>Name: Hook 2 Sisters Limited Location: Bridge Farm Poultry Unit - Epr/Dp3333ur, Bridge Farm, Illington Road,,Wretham, THETFORD, Norfolk, IP24 1RN Authority: Environment Agency, Anglian Region Permit Reference: JP3701PY Original Permit Ref: Dp3333ur Effective Date: 21st April 2020 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A19NE (NE)	902	2	592736 289854

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>Integrated Pollution Prevention And Control</p> <p>Name: Hook 2 Sisters Limited Location: Bridge Farm, Bridge Farm, Illington Road,,Wretham, THETFORD, Norfolk, IP24 1RN Authority: Environment Agency, Anglian Region Permit Reference: RP3236TC Original Permit Ref: Dp3333ur Effective Date: 14th June 2010 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y</p>	A19NE (NE)	902	2	592737 289854
10	<p>Integrated Pollution Prevention And Control</p> <p>Name: Hook 2 Sisters Limited Location: Bridge Farm, Illington Road, Wretham, Thetford, Norfolk, IP24 1RN Authority: Environment Agency, Anglian Region Permit Reference: DP3333UR Original Permit Ref: Dp3333ur Effective Date: 31st March 2008 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y</p>	A19NE (NE)	902	2	592737 289854
11	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: BCL Milling Limited Location: The Mill, Thetford Road, Wretham, THETFORD, Norfolk, IP24 1QY Authority: Breckland District Council, Environmental Health Department Permit Reference: 030 Dated: 30th June 1994 Process Type: Local Authority Air Pollution Control Description: PG6/26 Animal feed compounding Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location</p>	A13SW (W)	0	3	591984 289103
12	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Arovit Pet Foods Uk Ltd Location: The Mill, Larkshall, East Wretham, Thetford, Norfolk, IP24 1QY Authority: Breckland District Council, Environmental Health Department Permit Reference: PPCA 047 Dated: 29th April 1996 Process Type: Local Authority Pollution Prevention and Control Description: PG6/24 Pet food manufacturing Status: Permitted Positional Accuracy: Located by supplier to within 100m</p>	A13NW (NW)	75	3	591900 289200
	<p>Nearest Surface Water Feature</p>	A13NE (NE)	0	-	592069 289169
13	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - Anglian Region, Central Area Incident Date: 30th March 2020 Incident Reference: 1793839 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Oils And Fuel: Gas And Fuel Oils</p>	A18NE (N)	765	2	592323 289936

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p>Water Abstractions</p> <p>Operator: M I Robinson Licence Number: 6/33/44/*g/154 Permit Version: Not Supplied Location: Borehole North Of Larkshall, WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 240 Yearly Rate (m3): 2827600 Details: C Chalk 9; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A13SW (S)	53	2	592005 289005
14	<p>Water Abstractions</p> <p>Operator: W & J B Eastwood Ltd Licence Number: 6/33/44/*g/122 Permit Version: Not Supplied Location: Borehole Wretham Heath, WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 241 Yearly Rate (m3): 2827700 Details: C Chalk 9; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A13SW (S)	53	2	592000 289005
14	<p>Water Abstractions</p> <p>Operator: R G Abrey Farms Licence Number: 6/33/44/*G/0290 Permit Version: 1 Location: Borehole At Wretham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 31st March 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SW (S)	58	2	592000 289000
14	<p>Water Abstractions</p> <p>Operator: R G Abrey Farms Licence Number: 6/33/44/*G/0290 Permit Version: 1 Location: Borehole At Wretham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 December Permit Start Date: 31st March 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SW (S)	58	2	592000 289000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p>Water Abstractions</p> <p>Operator: R G Abrey Farms Licence Number: 6/33/44/*g/242 Permit Version: Not Supplied Location: Borehole , WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Groundwater Fed Reservoir Daily Rate (m3): 241 Yearly Rate (m3): 2827600 Details: C Chalk 9; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A13SW (S)	58	2	592000 289000
14	<p>Water Abstractions</p> <p>Operator: R G Abrey Farms Licence Number: 6/33/44/*g/242 Permit Version: Not Supplied Location: Borehole At, WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 241 Yearly Rate (m3): 2827600 Details: C Chalk 9; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A13SW (S)	58	2	592005 289000
14	<p>Water Abstractions</p> <p>Operator: R G Abrey Farms Licence Number: 6/33/44/*g/178 Permit Version: Not Supplied Location: Boerhole - Larks Hall, WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 241 Yearly Rate (m3): 2827600 Details: C Chalk 9; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A13SW (S)	63	2	592000 288995
14	<p>Water Abstractions</p> <p>Operator: R G Abrey Farms Licence Number: 6/33/44/*g/242 Permit Version: Not Supplied Location: Borehole At, WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 241 Yearly Rate (m3): 2827600 Details: C Chalk 9; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A13SW (S)	63	2	592005 288995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 6/33/44/*g/032 Permit Version: Not Supplied Location: Bore At East Wretham, WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 68 Yearly Rate (m3): 181800 Details: C Chalk 9; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	708	2	592000 289900
	<p>Water Abstractions</p> <p>Operator: British Gas Plc Licence Number: 6/33/44/*G/0262 Permit Version: 100 Location: Borehole At Roudham, Suffolk Authority: Environment Agency, Anglian Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: C Chalk 9; Status: Temporary Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A10NW (SE)	1217	2	593200 288500
	<p>Water Abstractions</p> <p>Operator: P F Southgate Ltd Licence Number: 6/33/44/*g/189 Permit Version: Not Supplied Location: Borehole At Old Rectory Farm, WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 55 Yearly Rate (m3): 1200100 Details: C Chalk 9; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A20NW (NE)	1291	2	593200 289900
	<p>Water Abstractions</p> <p>Operator: P.F. Southgate Limited Licence Number: 6/33/44/*g/250 Permit Version: Not Supplied Location: Borehole , WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 55 Yearly Rate (m3): 1200100 Details: C Chalk 9; Status: Temporary Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A20SE (E)	1368	2	593400 289670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: R G Abrey Farms Licence Number: 6/33/44/*S/0261/R01 Permit Version: 1 Location: Larling Brook At Wretham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2020 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A23NE (N)	1434	2	592140 290634
	<p>Water Abstractions</p> <p>Operator: R G Abrey Farms Licence Number: 6/33/44/*S/0261 Permit Version: 103 Location: Larling Brook At Wretham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 7th April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A23NE (N)	1434	2	592140 290634
	<p>Water Abstractions</p> <p>Operator: R G Abrey Farms Licence Number: 6/33/44/*S/0261 Permit Version: 102 Location: Larling Brook At Wretham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 4th March 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A23NE (N)	1480	2	592110 290680
	<p>Water Abstractions</p> <p>Operator: R G Abrey Farms Licence Number: 6/33/44/*S/0261 Permit Version: 101 Location: Larling Brook At Wretham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 27th February 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A23NE (N)	1480	2	592110 290680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: R G Abrey Farms Licence Number: 6/33/44/*S/0261 Permit Version: 100 Location: Larling Brook At Wretham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st September 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A23NE (N)	1480	2	592110 290680
	<p>Water Abstractions</p> <p>Operator: G W Nurse And Company Ltd Licence Number: 6/33/44/*g/064 Permit Version: Not Supplied Location: Borehole, WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Domestic & Agriculture Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1 Yearly Rate (m3): 2270 Details: C Chalk 9; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A15SE (E)	1588	2	593700 288900
	<p>Water Abstractions</p> <p>Operator: G W Nurse And Company Ltd Licence Number: 6/33/44/*g/108 Permit Version: Not Supplied Location: Borehole At Illington, WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Domestic & Agriculture Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1 Yearly Rate (m3): 2270 Details: C Chalk 9; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A15SE (E)	1589	2	593700 288895
	<p>Water Abstractions</p> <p>Operator: G W Nurse And Company Ltd Licence Number: 6/33/44/*g/108 Permit Version: Not Supplied Location: Borehole At Illington, WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Domestic & Agriculture Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 3 Yearly Rate (m3): 7730 Details: C Chalk 9; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A20NE (NE)	1730	2	593700 288895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: G W Nurse And Company Ltd Licence Number: 6/33/44/*g/064 Permit Version: Not Supplied Location: Borehole, WRETHAM Authority: Environment Agency, Anglian Region Abstraction: Domestic & Agriculture Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 3 Yearly Rate (m3): 7730 Details: C Chalk 9; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A20NE (NE)	1732	2	593700 289900
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: Superficial 3-10m Thickness: Superficial No Data Recharge:	A13SW (W)	0	4	592000 289123
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial: <90% Patchiness: Superficial 3-10m Thickness: Superficial No Data Recharge:	A13SE (NE)	0	4	592035 289123
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A13SW (W)	0	4	592000 289123
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A13SE (NE)	0	4	592035 289123
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SE (NE)	0	4	592035 289123
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (NE)	0	4	592035 289123
16	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13SE (NE)	0	2	592035 289123
17	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13SW (SW)	27	2	591969 289020
	Extreme Flooding from Rivers or Sea without Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (E)	702	5	592820 289021
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (E)	724	5	592833 288934
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (E)	729	5	592835 288920
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (E)	733	5	592836 288908
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (E)	750	5	592843 288863
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (E)	822	5	592942 289042
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NE (N)	883	5	592259 290072
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 336.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NE (N)	908	5	592205 290103

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Licensed Waste Management Facilities (Locations) Licence Number: 75193 Location: Larkshall Mill M R F, East Wretham, Thetford, Norfolk, IP24 1QY Operator Name: O. C. O. Technology Limited Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Special Waste Transfer Stations Licence Status: Transferred Issued: 14th September 2006 Last Modified: 13th October 2020 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (W)	28	2	591900 289100
27	Licensed Waste Management Facilities (Locations) Licence Number: 403302 Location: Mere Farm, Larkshall, East Wretham, Thetford, Norfolk, IP24 1QZ Operator Name: A F Machinery Limited Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Treatment - Biological Licence Status: Issued Issued: 31st August 2017 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	927	2	592252 288143
	Local Authority Landfill Coverage Name: Norfolk County Council - Has supplied landfill data		0	6	592035 289123
	Local Authority Landfill Coverage Name: Breckland District Council - Has no landfill data to supply		0	3	592035 289123
28	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1983	A13NE (E)	174	-	592297 289206
29	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A14SW (E)	557	-	592651 288894
30	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A15NW (E)	958	-	593071 289260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A13SE (NE)	0	1	592035 289123
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 20 - 40 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13SE (NE)	0	1	592035 289123
31	BGS Recorded Mineral Sites Site Name: Larkshall Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199168 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Cover Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	211	1	592320 289249
32	BGS Recorded Mineral Sites Site Name: Larkshall Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199170 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Cover Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A8NE (S)	278	1	592037 288773
33	BGS Recorded Mineral Sites Site Name: Middle Plantation Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199165 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Cover Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A12NE (W)	292	1	591632 289162
34	BGS Recorded Mineral Sites Site Name: Middle Plantation Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199166 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Cover Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A12NE (W)	415	1	591523 289240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Larkshall Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199167 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Cover Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m</p>	A18SW (N)	426	1	591919 289608
36	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Middle Plantation Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199164 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Cover Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	429	1	591624 288790
37	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Larkshall Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199169 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Cover Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m</p>	A14NW (E)	505	1	592596 289355
38	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Roudham Heath Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199196 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Cover Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	548	1	592236 288525
39	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Larkshall Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199172 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Lowestoft Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	557	1	592652 288896
40	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Middle Plantation Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199163 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Cover Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m</p>	A12SE (W)	572	1	591392 288901

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Larkshall Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199171 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Lowestoft Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	588	1	592693 288928
42	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Larkshall Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199173 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Lowestoft Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	626	1	592745 288028
43	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Roudham Heath Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199181 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Cover Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	668	1	592442 288475
44	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Roudham Heath Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199182 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m</p>	A8SE (S)	798	1	592322 288289
45	<p>BGS Recorded Mineral Sites</p> <p>Site Name: East Wretham Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199309 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m</p>	A17NE (NW)	830	1	591434 289804
46	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Stonebridge Pit Location: Stonebridge, East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199304 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Cover Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	842	1	592572 289908

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	BGS Recorded Mineral Sites Site Name: Roudham Heath Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199180 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Cover Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	845	1	592767 288517
48	BGS Recorded Mineral Sites Site Name: East Wretham Clay Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199308 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18NW (N)	908	1	591848 290085
49	BGS Recorded Mineral Sites Site Name: East Wretham Pit Location: East Wretham, Thetford, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 199176 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Lowestoft Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A15SW (E)	959	1	593043 288801
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	592035 289123
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	592035 289123
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	592035 289123
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	26	1	592146 289119
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	131	1	592175 289317
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	592035 289123
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	148	1	592205 288938
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	592035 289123

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	592035 289123
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	26	1	592146 289119
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	131	1	592175 289317
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	592035 289123
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	148	1	592205 288938
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	592035 289123
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	592035 289123

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	Contemporary Trade Directory Entries Name: Viridor Location: Thetford Road, Wretham, Thetford, IP24 1QY Classification: Reclamation Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	0	-	591983 289075
50	Contemporary Trade Directory Entries Name: B C L Milling Location: Thetford Road, Wretham, Thetford, Norfolk, IP24 1QY Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	0	-	591945 289086
50	Contemporary Trade Directory Entries Name: Viridor Location: Thetford Road, Wretham, Thetford, IP24 1QY Classification: Reclamation Centres Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	0	-	591983 289075
51	Contemporary Trade Directory Entries Name: C & D Foods Location: Thetford Road, Wretham, Thetford, Norfolk, IP24 1RU Classification: Pet Foods & Animal Feeds Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	90	-	592108 288969
52	Points of Interest - Commercial Services Name: Viridor Ltd Location: Thetford Road, Wretham, Thetford, IP24 1QY Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A13SW (SW)	0	7	591982 289074
53	Points of Interest - Manufacturing and Production Name: R G Abrey Farms Location: Larkshall, Thetford Road, Wretham, Thetford, IP24 1QY Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A13SE (SE)	39	7	592096 289019
54	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	157	7	592002 289347
55	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A13NE (N)	174	7	592118 289374
55	Points of Interest - Manufacturing and Production Name: Tank Location: IP24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	183	7	592195 289365
56	Points of Interest - Manufacturing and Production Name: Workings (Dis) Location: IP24 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	221	7	592333 289238
57	Points of Interest - Manufacturing and Production Name: Tank Location: IP24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	304	7	592040 288747
57	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A8NE (S)	361	7	592024 288690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A8NE (S)	363	7	592050 288689
58	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	367	7	592145 288694
59	Points of Interest - Manufacturing and Production Name: Tank Location: IP24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	497	7	591430 289052
59	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A12SE (W)	509	7	591413 289121
60	Points of Interest - Manufacturing and Production Name: Workings (Dis) Location: IP24 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	509	7	592600 289355
61	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	633	7	591476 289576
62	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A9NW (SE)	672	7	592616 288607
62	Points of Interest - Manufacturing and Production Name: Tank Location: IP24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	689	7	592583 288550
63	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A17SE (NW)	700	7	591389 289580
63	Points of Interest - Manufacturing and Production Name: Tank Location: IP24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	732	7	591413 289652
64	Points of Interest - Manufacturing and Production Name: Tank Location: IP24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	720	7	592836 288987
64	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A14SE (E)	774	7	592891 288993

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A14SE (E)	776	7	592893 288993
65	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	794	7	592899 288906
66	Points of Interest - Manufacturing and Production Name: Tank Location: IP24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	795	7	592711 289727
66	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A19SE (NE)	840	7	592775 289720
67	Points of Interest - Manufacturing and Production Name: Tank Location: IP24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	929	7	592322 288154
67	Points of Interest - Manufacturing and Production Name: Poultry Houses Location: IP24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A8SE (S)	939	7	592256 288132
68	Points of Interest - Manufacturing and Production Name: Tank Location: IP24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SE (SE)	961	7	592771 288354
69	Points of Interest - Public Infrastructure Name: Recycling Business Location: IP24 Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A13SW (W)	0	7	591971 289114

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	Environmentally Sensitive Areas Name: Breckland (decommissioned) Multiple Areas: N Total Area (m2): 945352881.45 Source: Natural England	A13SE (NE)	0	8	592035 289123
71	Forest Parks Name: Not Given Multiple Area: N Area (m2): 634846 Source: Forestry Commission	A8NE (S)	434	9	592049 288618
72	Forest Parks Name: Not Given Multiple Area: N Area (m2): 1977037 Source: Forestry Commission	A15SW (E)	986	9	593094 288909
73	Nitrate Vulnerable Zones Name: Ely Ouse And Cut-Off Channel Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SE (NE)	0	4	592035 289123
74	Nitrate Vulnerable Zones Name: Anglian Chalk Description: Groundwater Source: Environment Agency, Head Office	A13SE (NE)	0	4	592035 289123
75	Sites of Special Scientific Interest Name: Breckland Forest Multiple Areas: Y Total Area (m2): 181259666.7 Source: Natural England Reference: 2000443 Designation Details: Special Protection Area Designation Date: 15th November 2000 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 15th November 2000 Date Type: Notified	A8NE (S)	416	8	592059 288635
76	Sites of Special Scientific Interest Name: East Wretham Heath Multiple Areas: N Total Area (m2): 1410508.56 Source: Natural England Reference: 1001738 Designation Details: Geological Conservation Review Designation Date: 11th January 1984 Date Type: Notified Designation Details: Local Wildlife Site Designation Date: 11th January 1984 Date Type: Notified Designation Details: Nature Conservation Review Designation Date: 11th January 1984 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 11th January 1984 Date Type: Notified Designation Details: Special Protection Area Designation Date: 11th January 1984 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 11th January 1984 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 11th January 1984 Date Type: Notified	A12SW (SW)	681	8	591320 288792
77	Special Areas of Conservation Name: Breckland Multiple Areas: Y Total Area (m2): 75416741.24 Source: Natural England Reference: UK0019865 Status: Designated	A12SW (SW)	681	8	591320 288792
78	Special Protection Areas Name: Breckland Multiple Areas: Y Total Area (m2): 394325557.7 Source: Natural England Reference: UK9009201 Designation Date: Not Supplied	A8NE (S)	416	8	592059 288635

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Breckland District Council - Environmental Health Department	June 2020 October 2017	Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	July 2021	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	July 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control Breckland District Council - Environmental Health Department	April 2014	Variable
Local Authority Pollution Prevention and Controls Breckland District Council - Environmental Health Department	April 2014	Not Applicable
Local Authority Pollution Prevention and Control Enforcements Breckland District Council - Environmental Health Department	April 2014	Variable
Nearest Surface Water Feature Ordnance Survey	August 2021	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	June 2016	Annually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Central Area	July 2021	Quarterly
Water Abstractions Environment Agency - Anglian Region	July 2021	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2021	Quarterly













Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2021	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	September 2021	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	September 2021	Quarterly
Flood Defences Environment Agency - Head Office	September 2021	Quarterly
OS Water Network Lines Ordnance Survey	July 2021	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Central Area	July 2021	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Central Area Environment Agency - Anglian Region - Eastern Area	July 2021 July 2021	Quarterly Quarterly
Local Authority Landfill Coverage Breckland District Council - Environmental Health Department Norfolk County Council - Planning & Transportation - Minerals & Waste	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Breckland District Council - Environmental Health Department Norfolk County Council - Planning & Transportation - Minerals & Waste	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - Anglian Region - Central Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Central Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Central Area	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Breckland District Council - Health and Housing Norfolk County Council - Planning & Transportation - Minerals & Waste	February 2016 June 2007	Variable Annual Rolling Update
Planning Hazardous Substance Consents Breckland District Council - Health and Housing Norfolk County Council - Planning & Transportation - Minerals & Waste	February 2016 June 2007	Variable Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

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

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

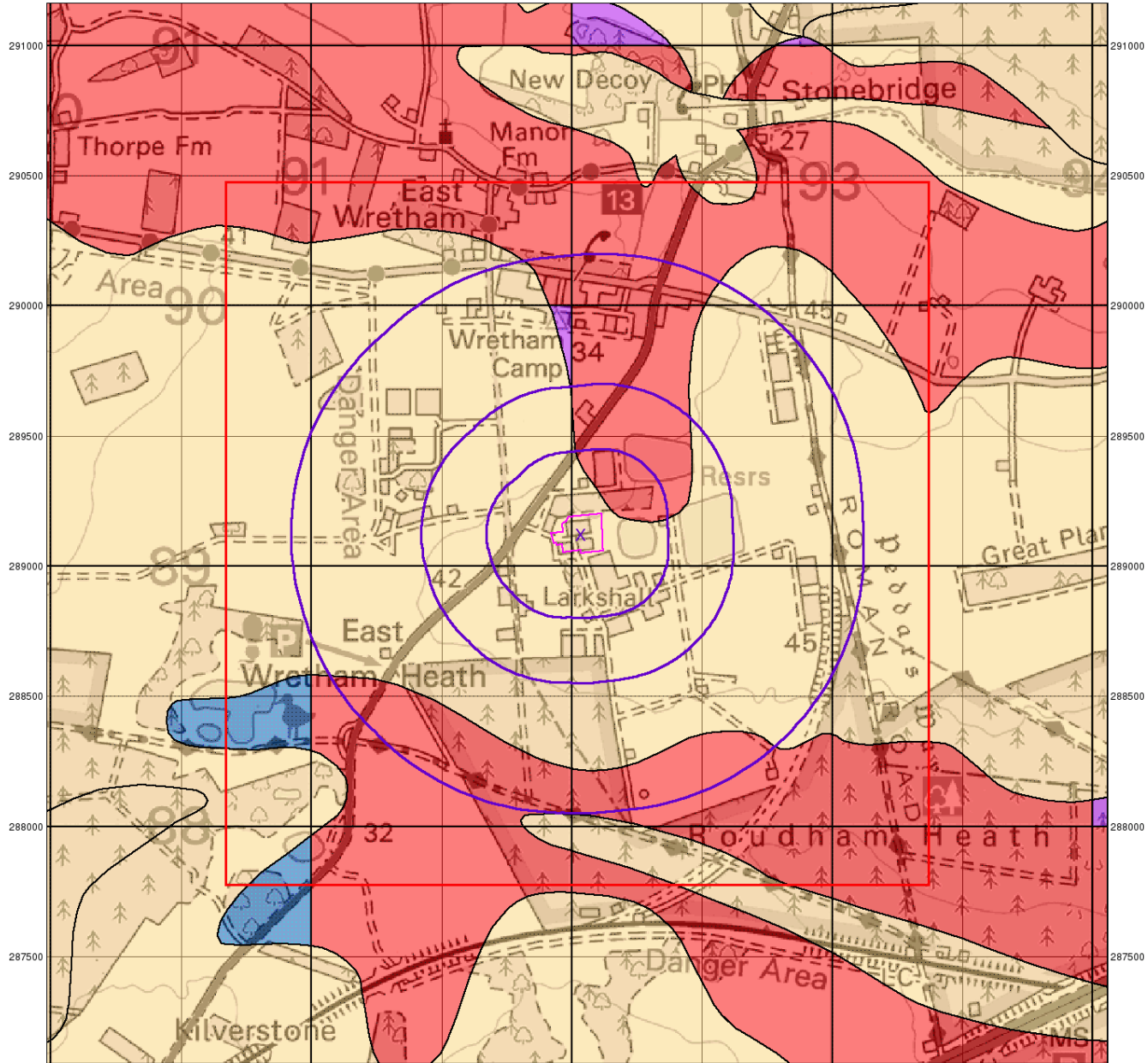
A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Breckland District Council - Environmental Health Department Elizabeth House, Walpole Loke, Dereham, Norfolk, NR19 1EE	Telephone: 01362 656350 Fax: 01362 656266 Website: www.breckland.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Norfolk County Council - Planning & Transportation - Minerals & Waste County Hall, Martineau Lane, Norwich, Norfolk, NR1 2DH	Telephone: 0844 800 8020 Fax: 0844 800 8012 Email: information@norfolk.gov.uk Website: www.norfolk.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Forestry Commission 231 Corstorphine Road, Edinburgh, Midlothian, EH12 7AT	Telephone: 0131 334 0303 Fax: 0131 334 4473
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

590000 590500 591000 591500 592000 592500 593000 593500 594000



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Groundwater Vulnerability

General

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

Agency and Hydrological

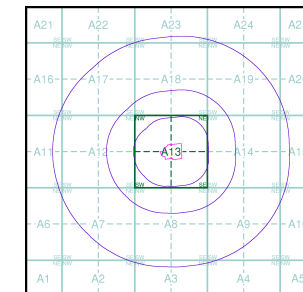
Bedrock Aquifers

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

Superficial Aquifers

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
 Site Area (Ha): 2.23
 Search Buffer (m): 1000

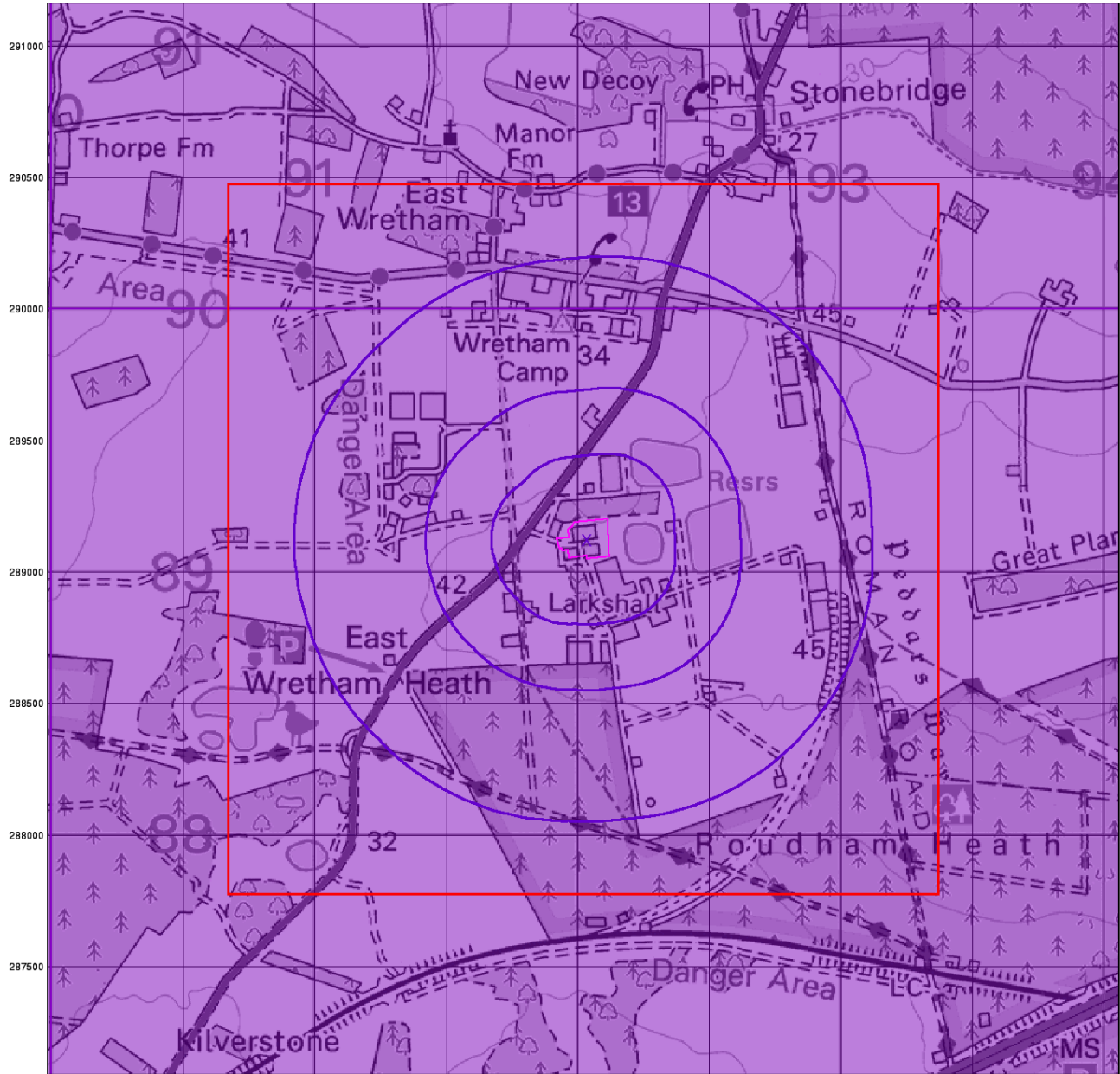
Site Details

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0 1 km

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Bedrock Aquifer Designation

General

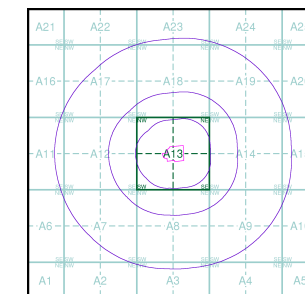
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

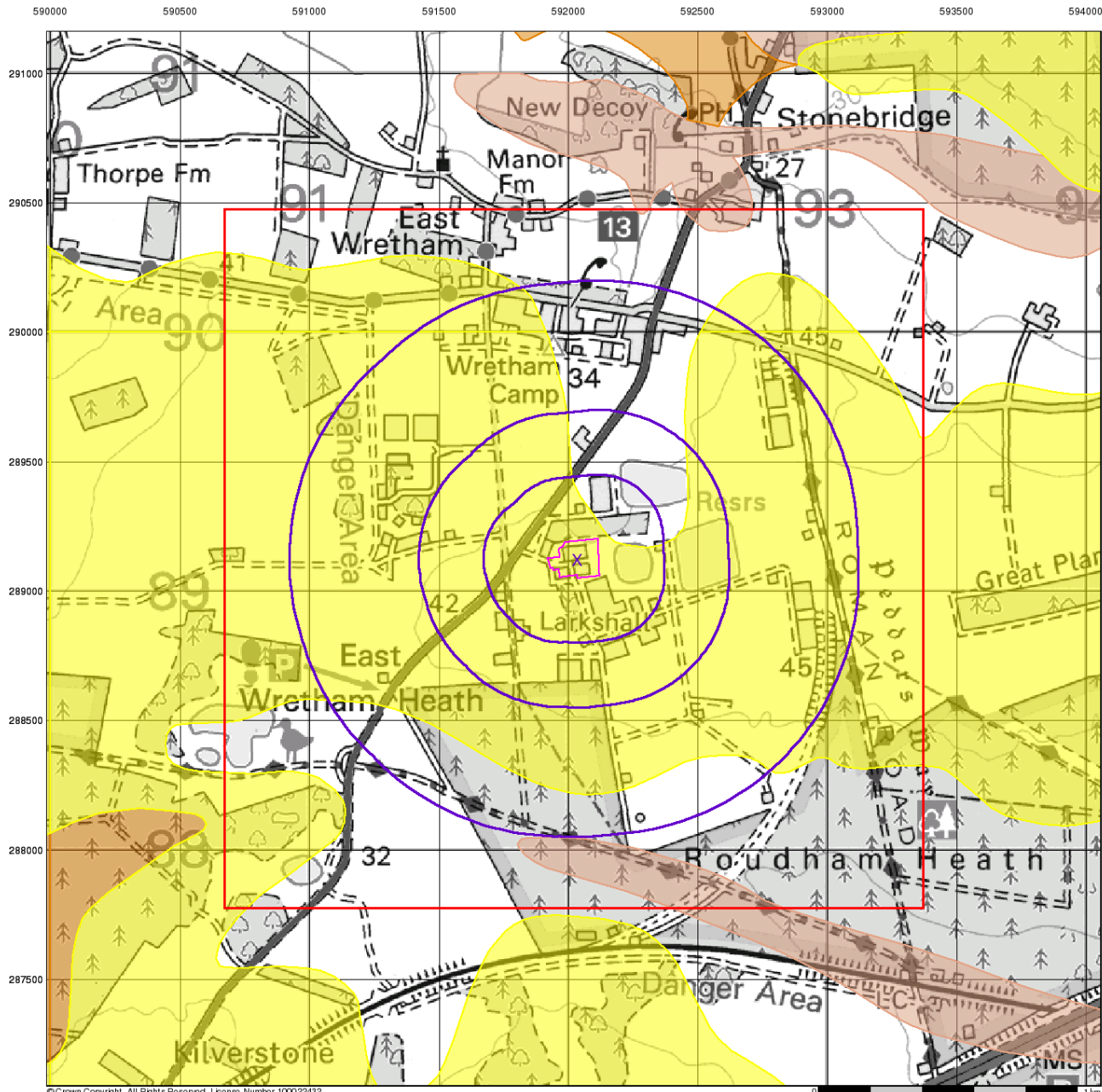
Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
 Site Area (Ha): 2.23
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

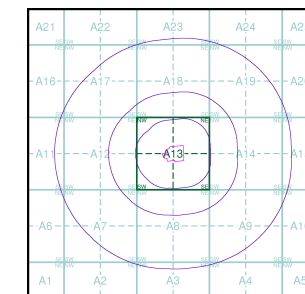
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

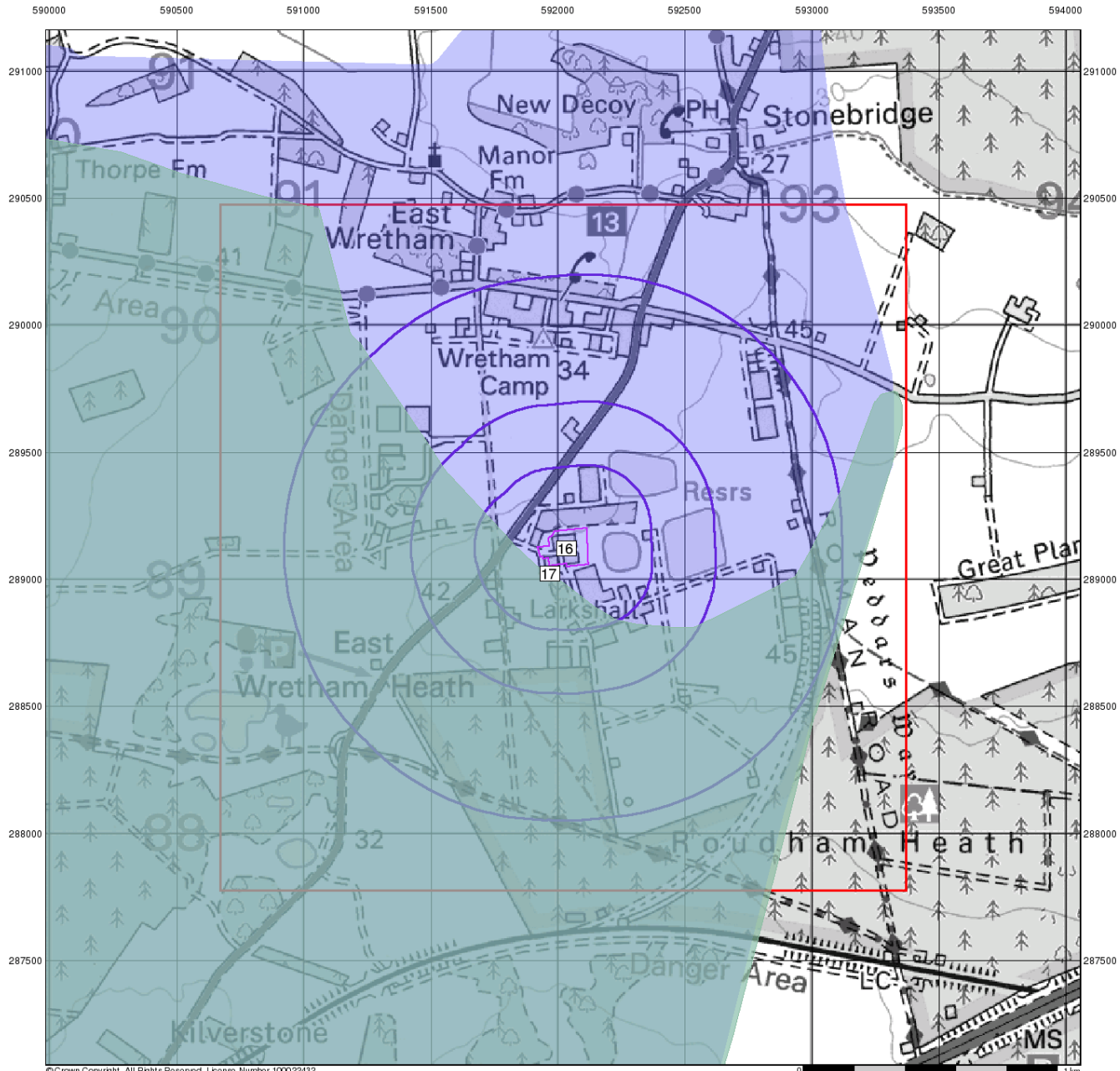
Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
 Site Area (Ha): 2.23
 Search Buffer (m): 1000

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Source Protection Zones

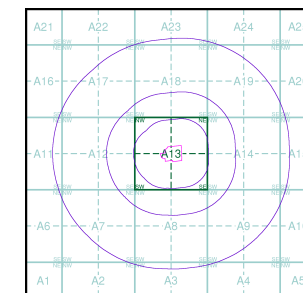
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

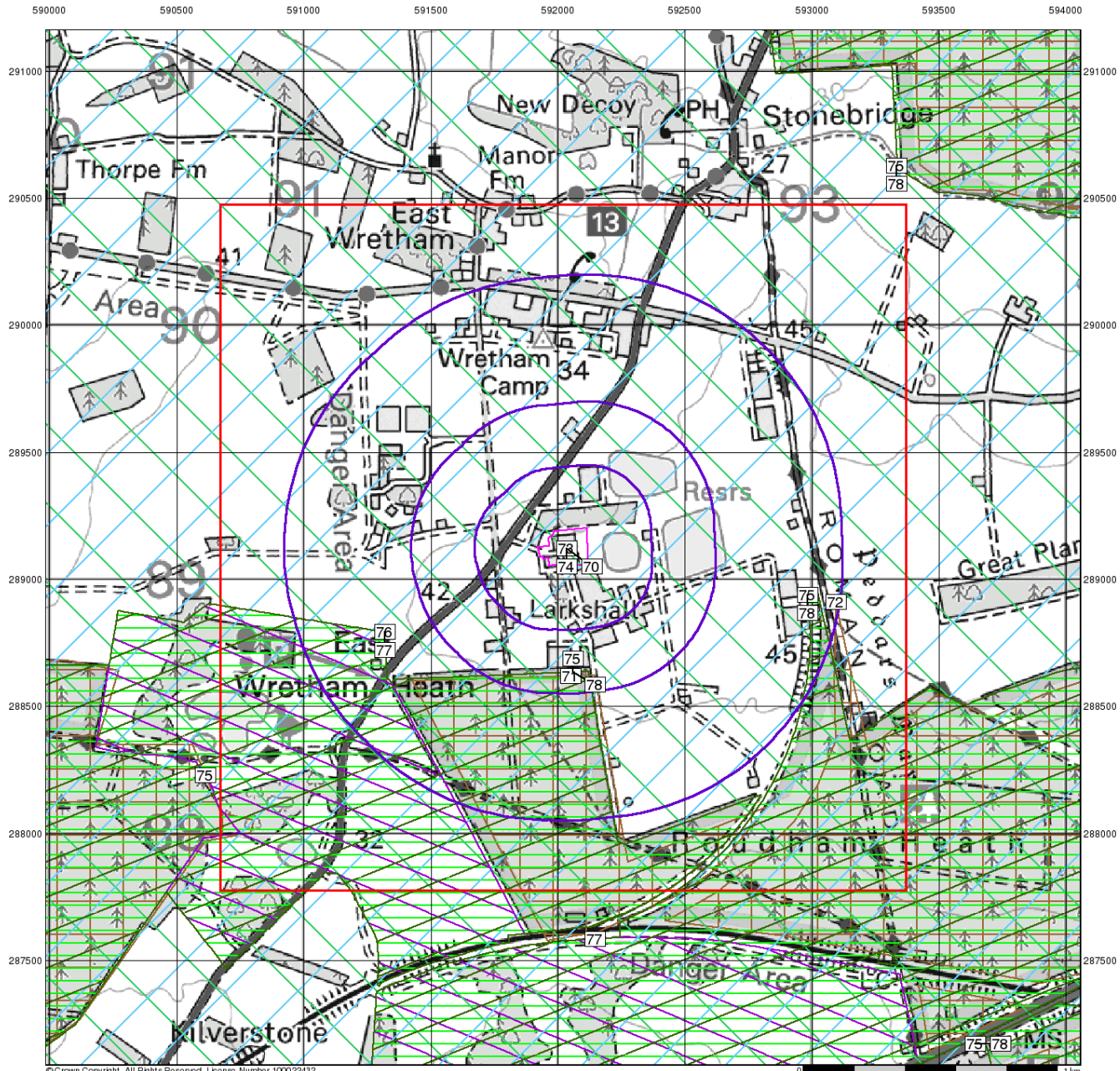
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 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
 Site Area (Ha): 2.23
 Search Buffer (m): 1000

Site Details

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Sensitive Land Uses

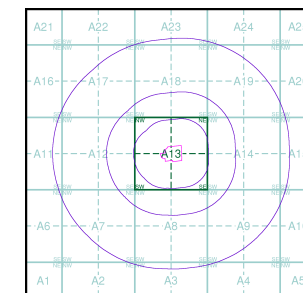
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

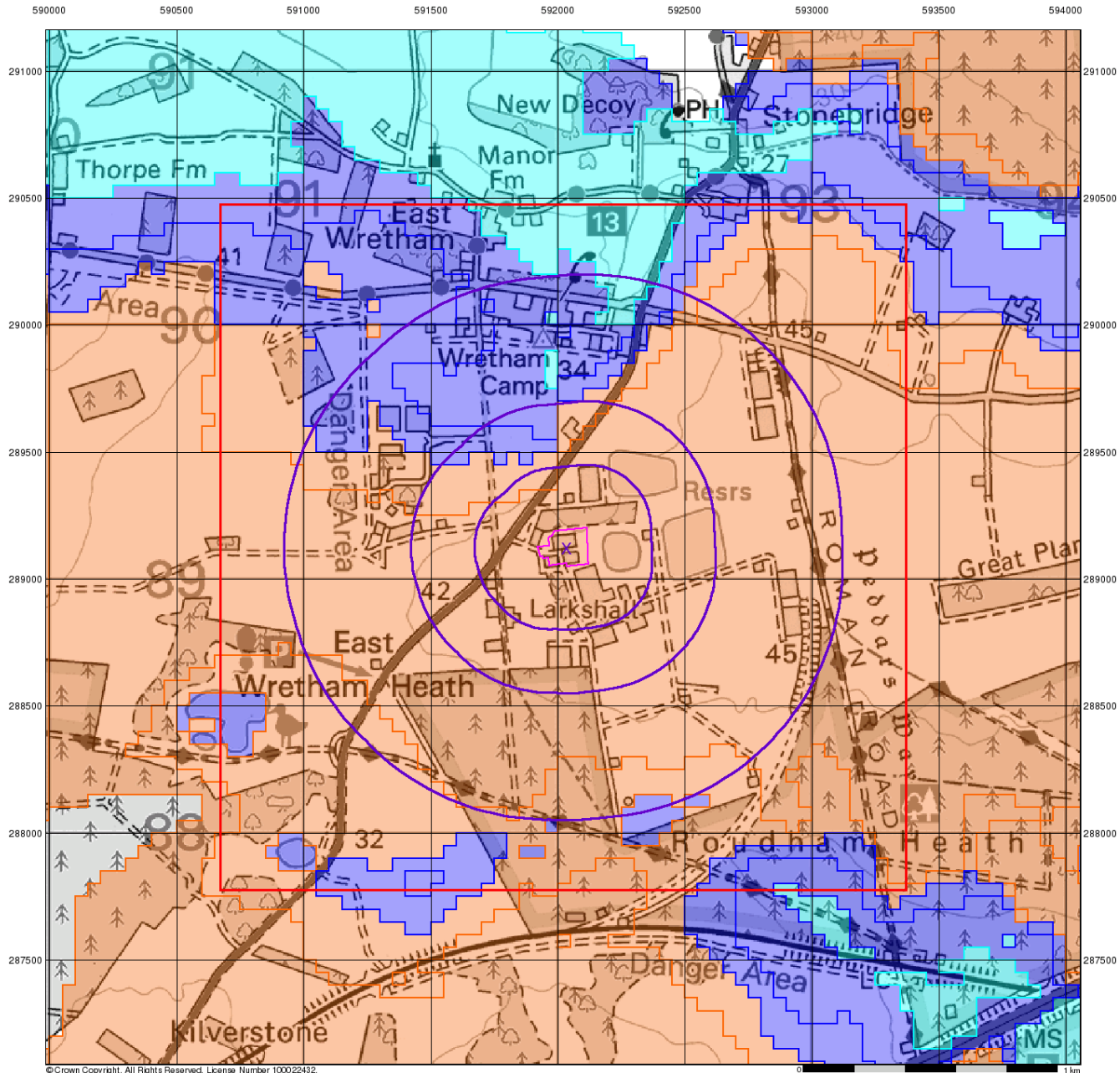
Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
 Site Area (Ha): 2.23
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

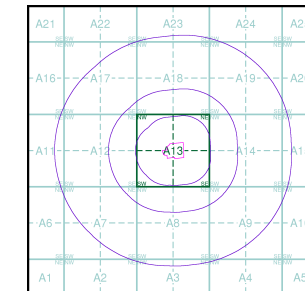
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
 Site Area (Ha): 2.23
 Search Buffer (m): 1000

Site Details

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Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **SL** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

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

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

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

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

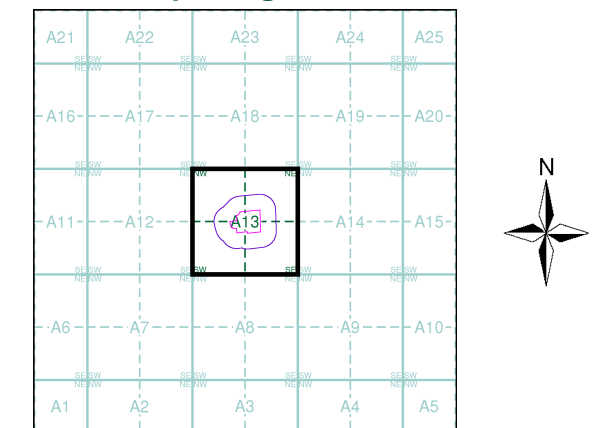
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Norfolk	1:2,500	1884	2
Norfolk	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1981	4
Large-Scale National Grid Data	1:2,500	1995	5
Historical Aerial Photography	1:2,500	1999	6

Historical Map - Segment A13



Order Details

Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
 Site Area (Ha): 2.23
 Search Buffer (m): 100

Site Details

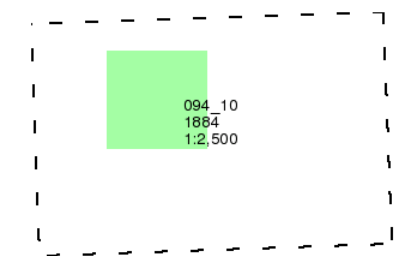
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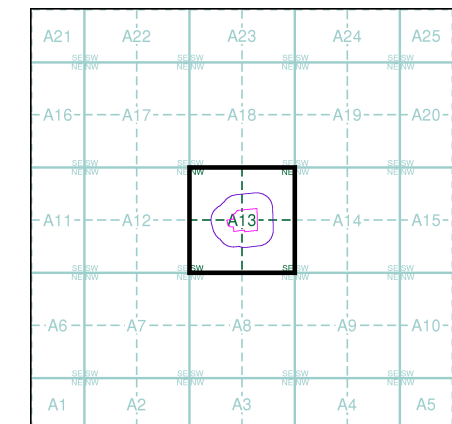
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

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

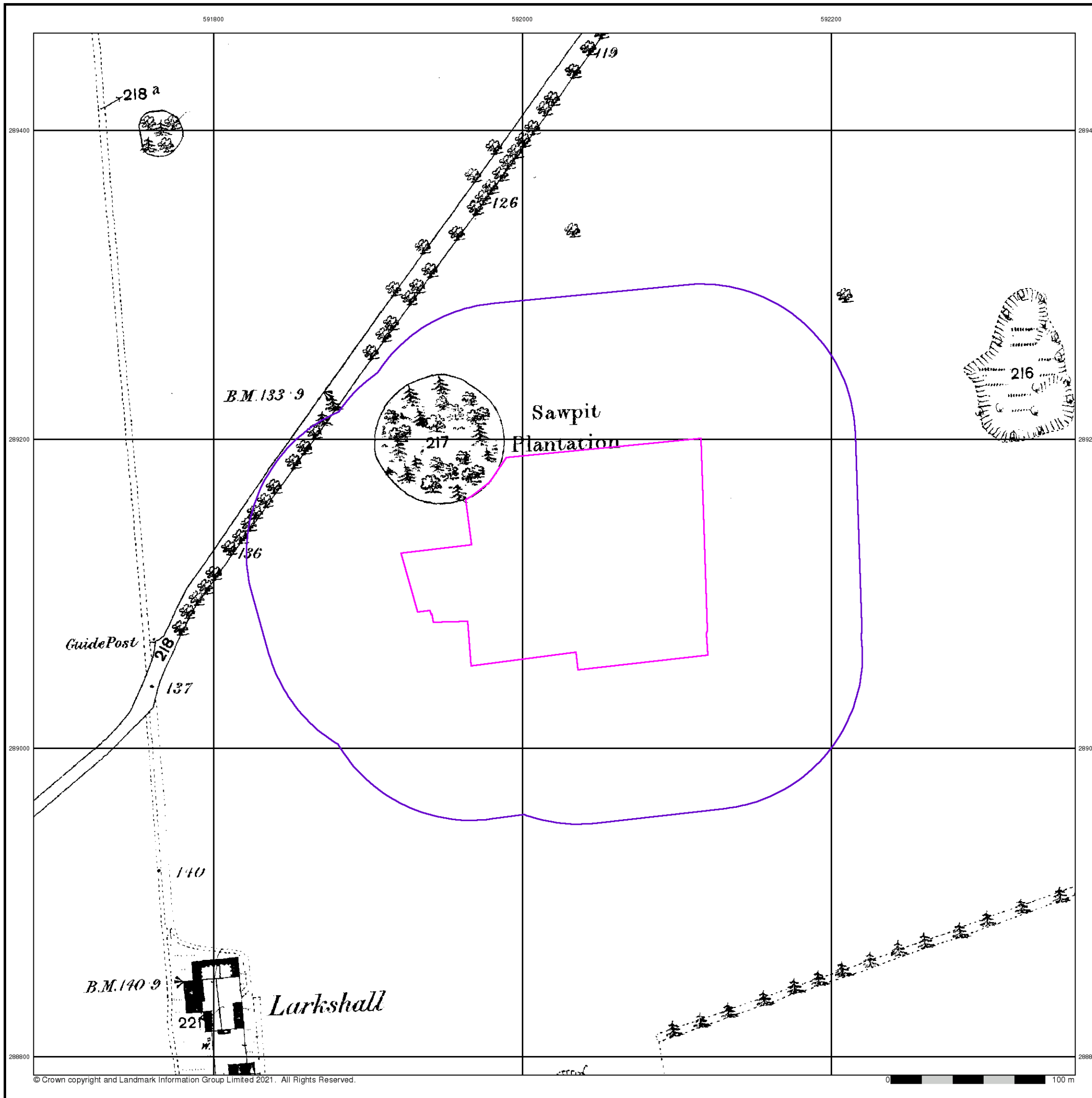


Order Details

Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
 Site Area (Ha): 2.23
 Search Buffer (m): 100

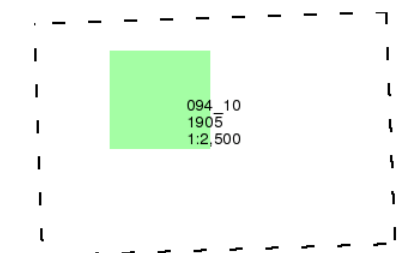
Site Details

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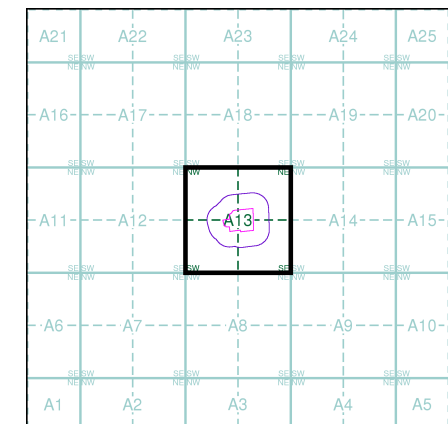


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

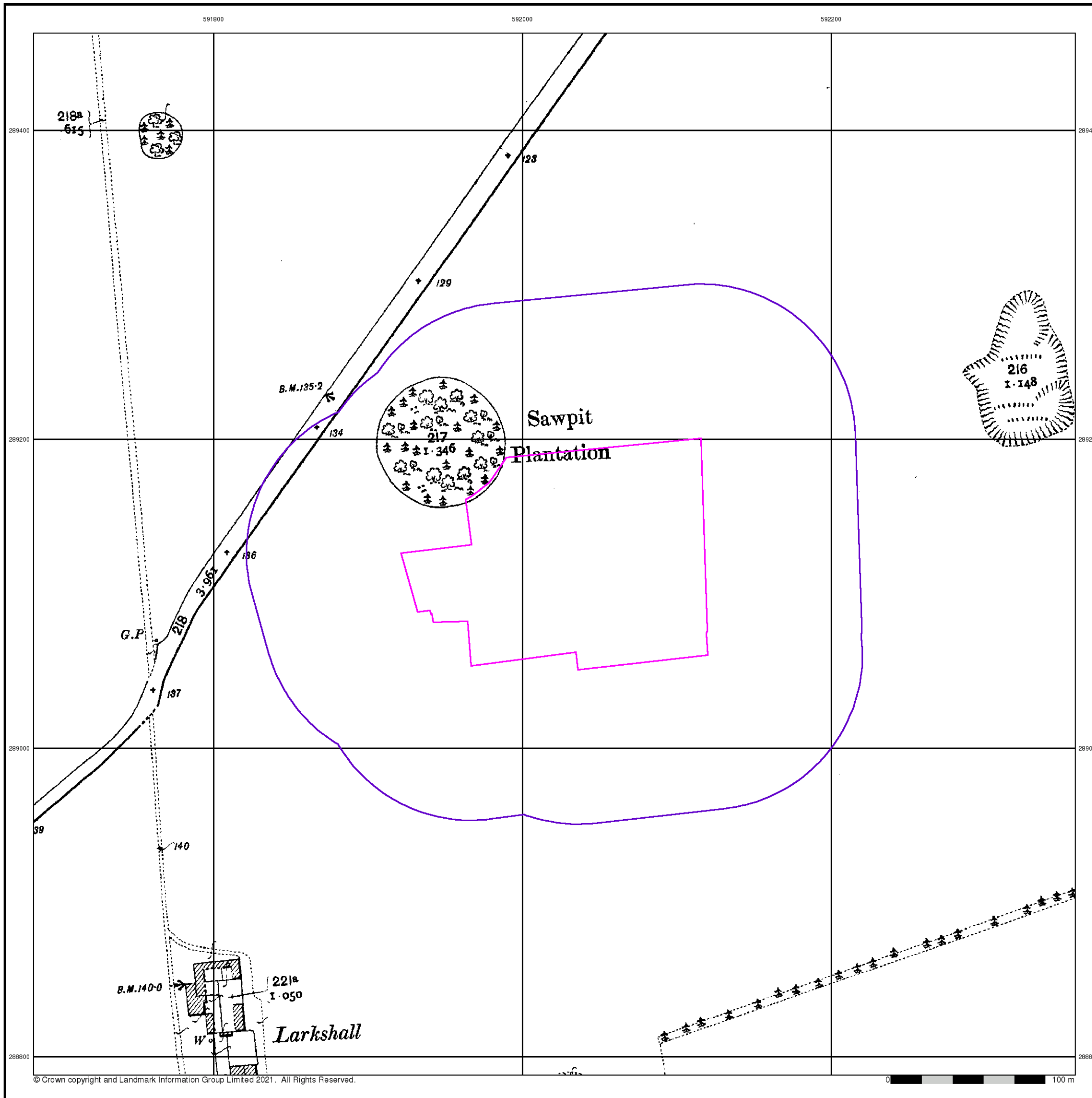


Order Details

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 Customer Ref: OCO_2020.04
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 Slice: A
 Site Area (Ha): 2.23
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1981

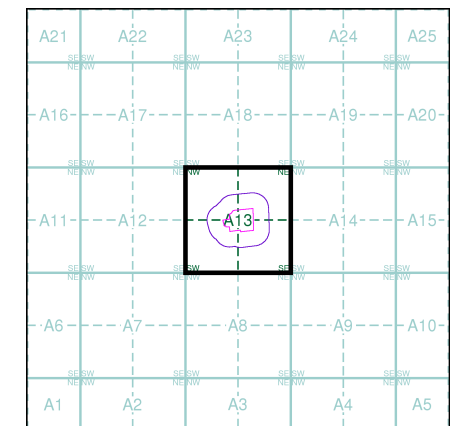
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TL9189 1981 1:2,500	TL9289 1981 1:2,500
TL9188 1981 1:2,500	TL9288 1981 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
 Site Area (Ha): 2.23
 Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1995

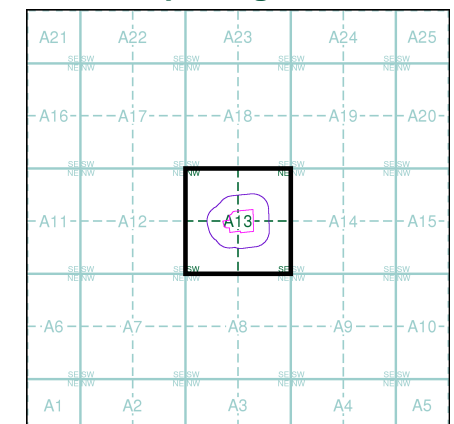
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TL9189 1995 1:2,500	TL9289 1995 1:2,500
TL9188 1995 1:2,500	TL9288 1995 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
 Site Area (Ha): 2.23
 Search Buffer (m): 100

Site Details

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591800

592000

592200

289400

289400

289200

289200

289000

289000

288800

288800



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0 100 m

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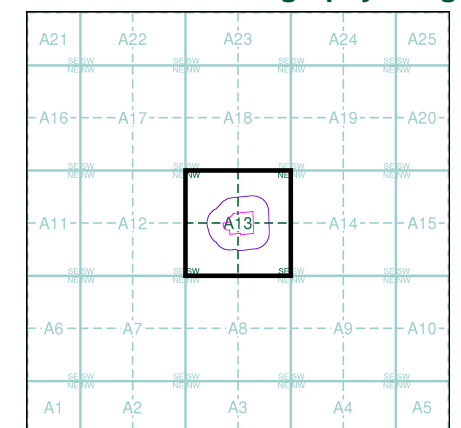
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Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
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Site Details

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

1:10,000 Raster Mapping

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

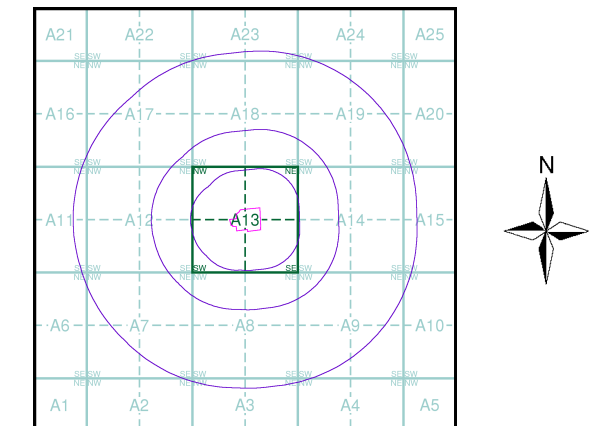
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Norfolk	1:10,560	1883 - 1886	2
Norfolk	1:10,560	1906	3
Norfolk	1:10,560	1952	4
Ordnance Survey Plan	1:10,000	1958	5
Ordnance Survey Plan	1:10,000	1982 - 1983	6
Ordnance Survey Plan	1:10,000	1990	7
10K Raster Mapping	1:10,000	2000	8
10K Raster Mapping	1:10,000	2006	9
VectorMap Local	1:10,000	2021	10

Historical Map - Slice A



Order Details

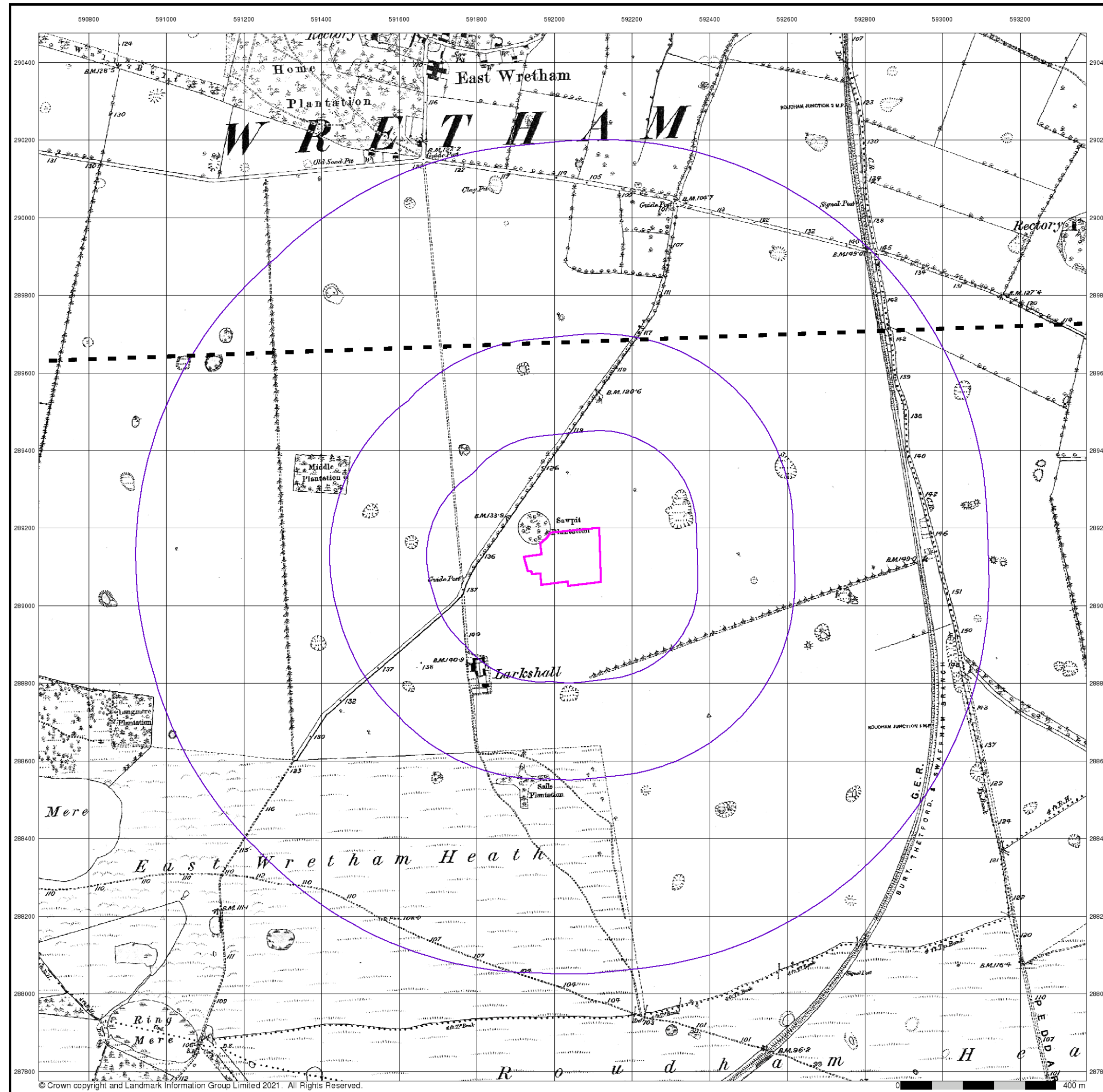
Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
 Site Area (Ha): 2.23
 Search Buffer (m): 1000

Site Details

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Norfolk

Published 1883 - 1886

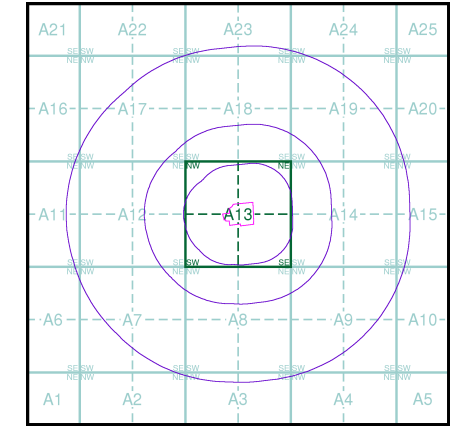
Source map scale - 1:10,560

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)

094NW	1883	1:10,560
094SW	1886	1:10,560

Historical Map - Slice A



Order Details

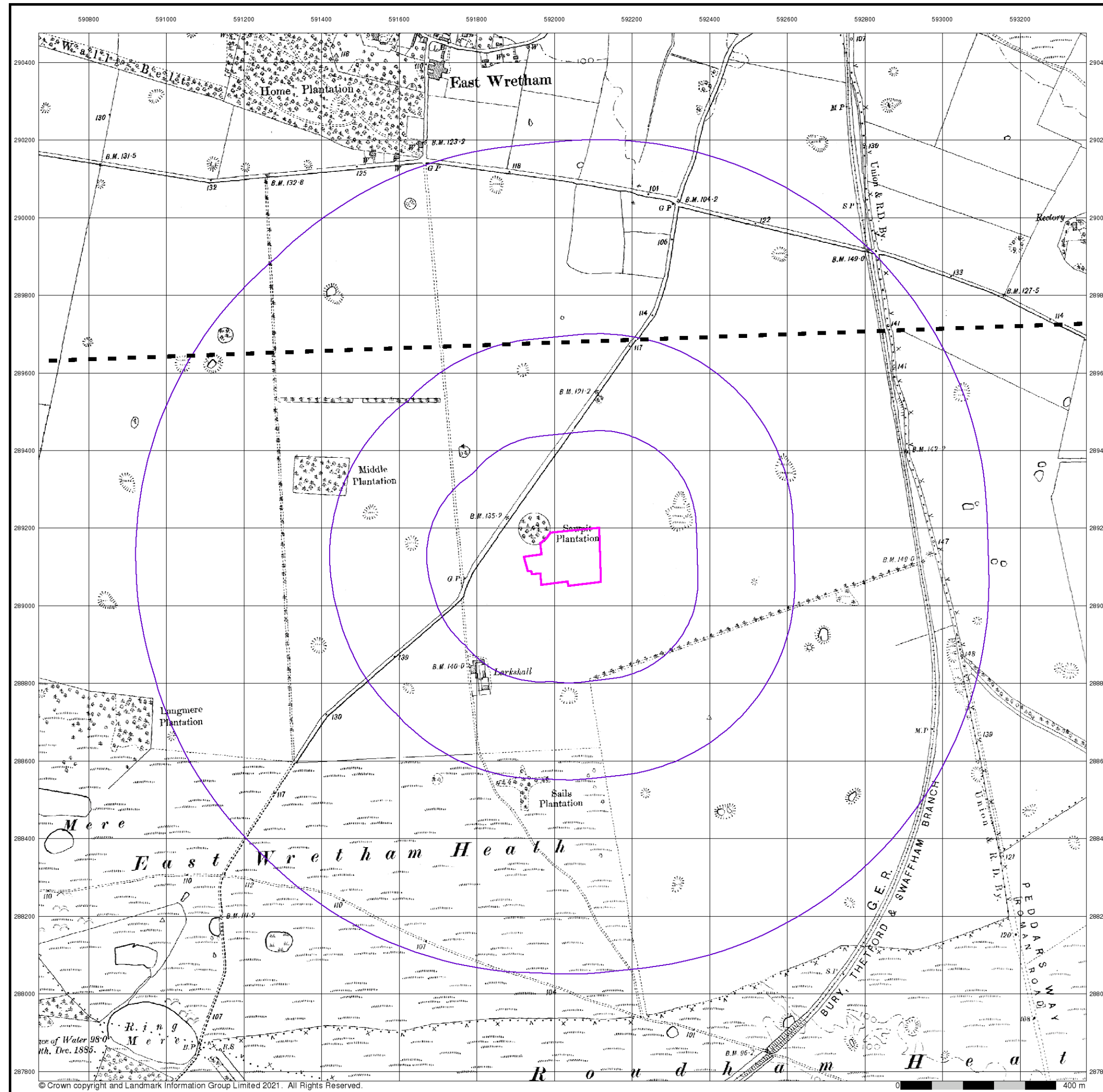
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Published 1906

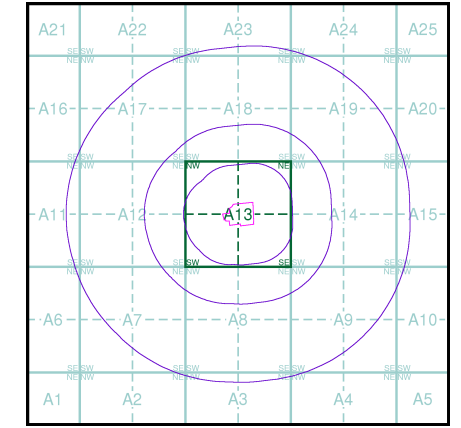
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

094NW	1906	1:10,560
094SW	1906	1:10,560

Historical Map - Slice A



Order Details

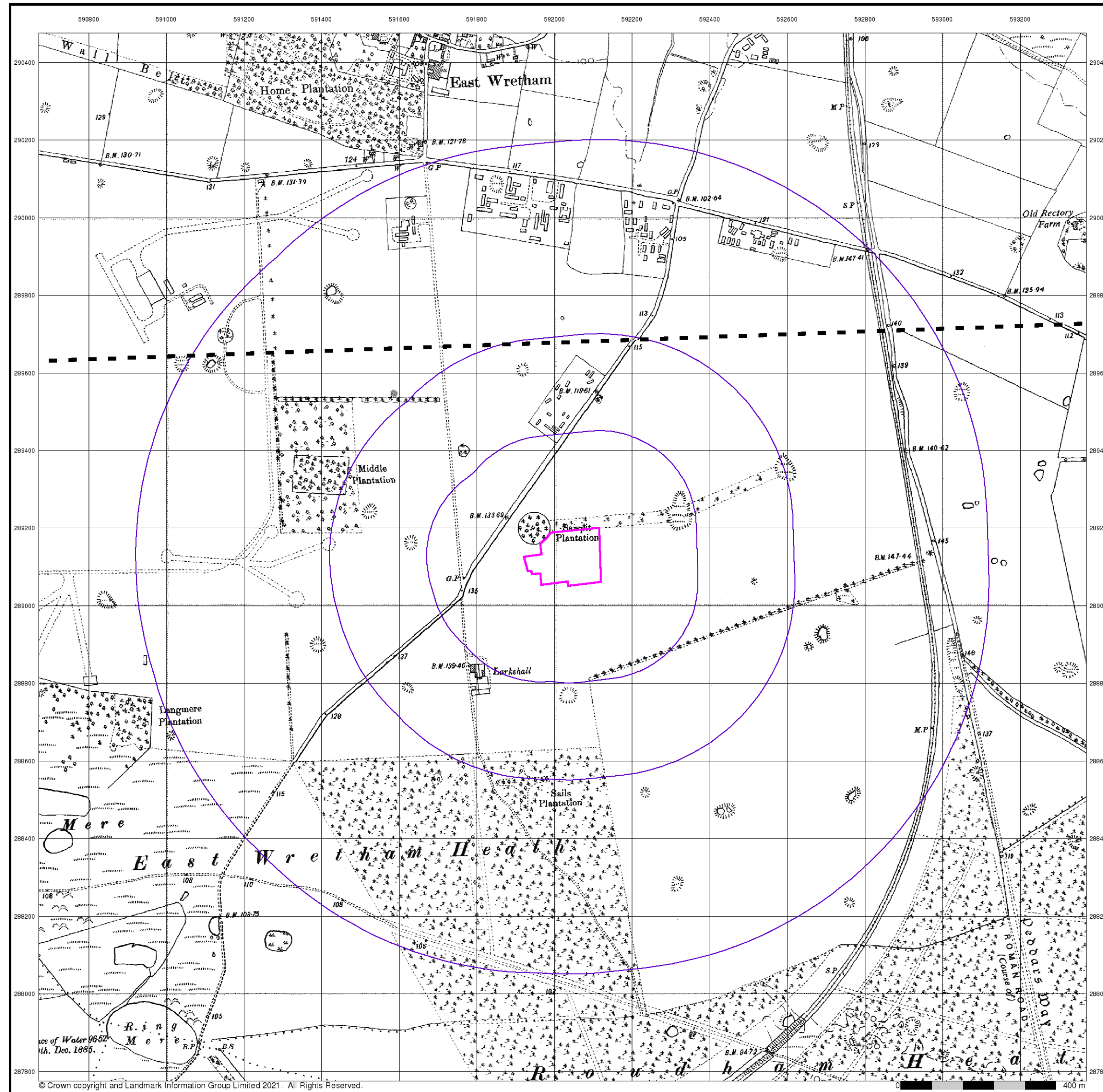
Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
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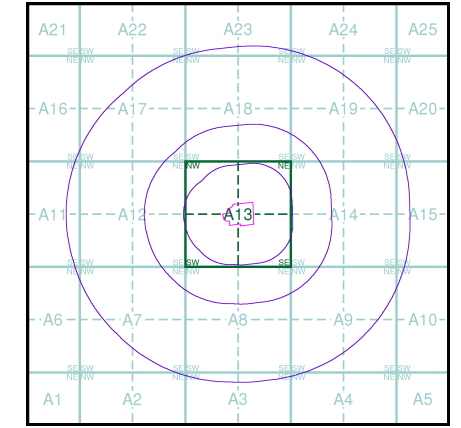
Norfolk
Published 1952
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

094NW	1952	1:10,560
094SW	1952	1:10,560

Historical Map - Slice A



Order Details

Order Number: 286938653_1_1
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Ordnance Survey Plan

Published 1958

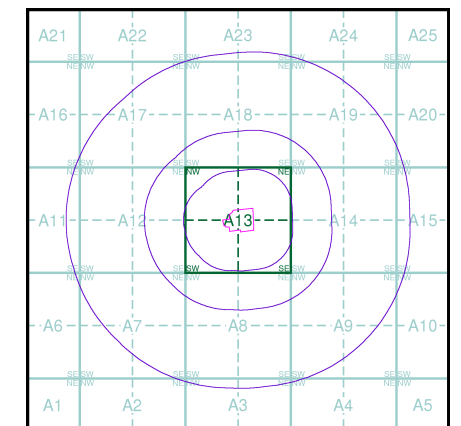
Source map scale - 1:10,000

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)

TL99SW	1958	1:10,560
TL98NW	1958	1:10,560

Historical Map - Slice A

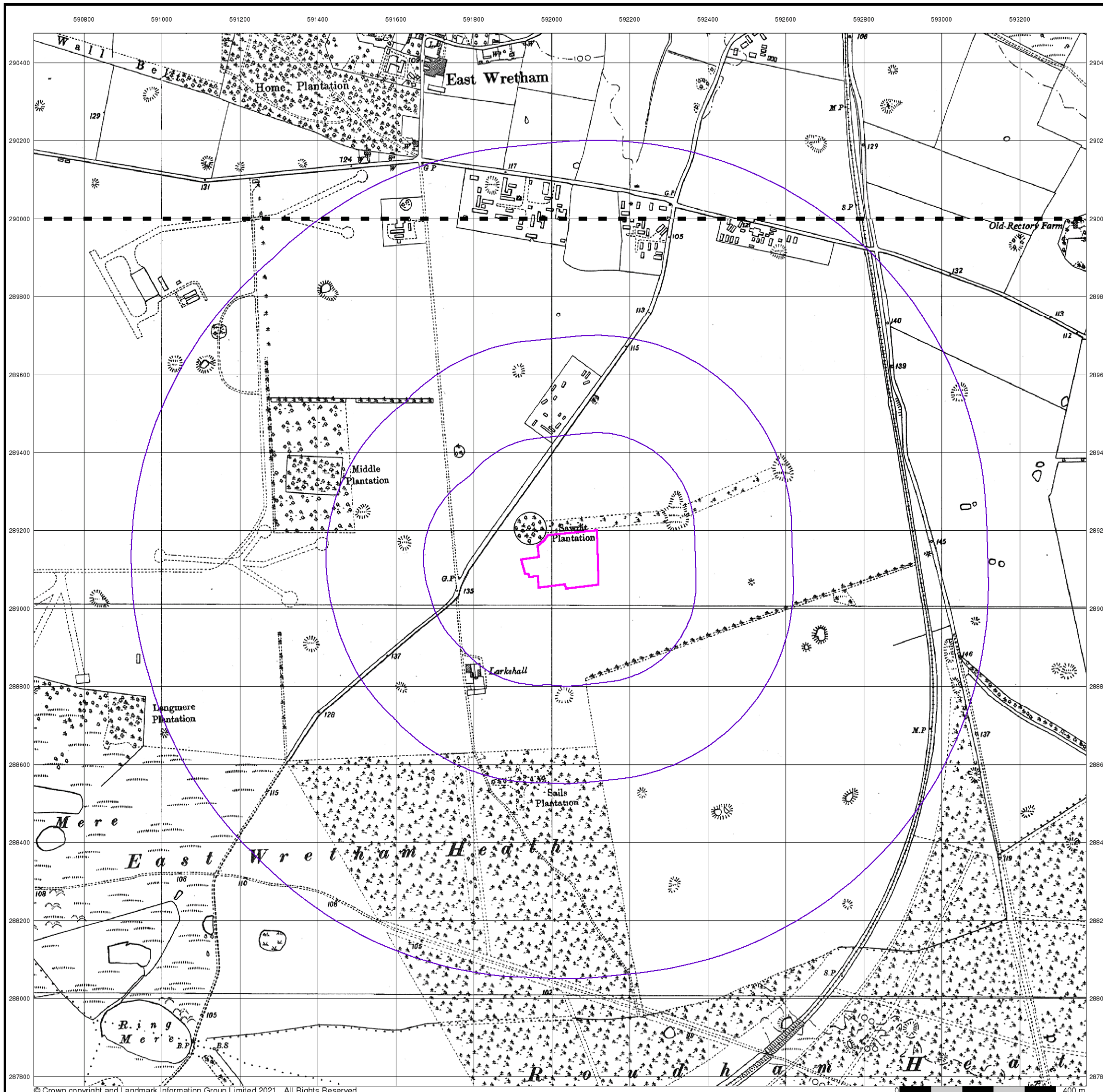


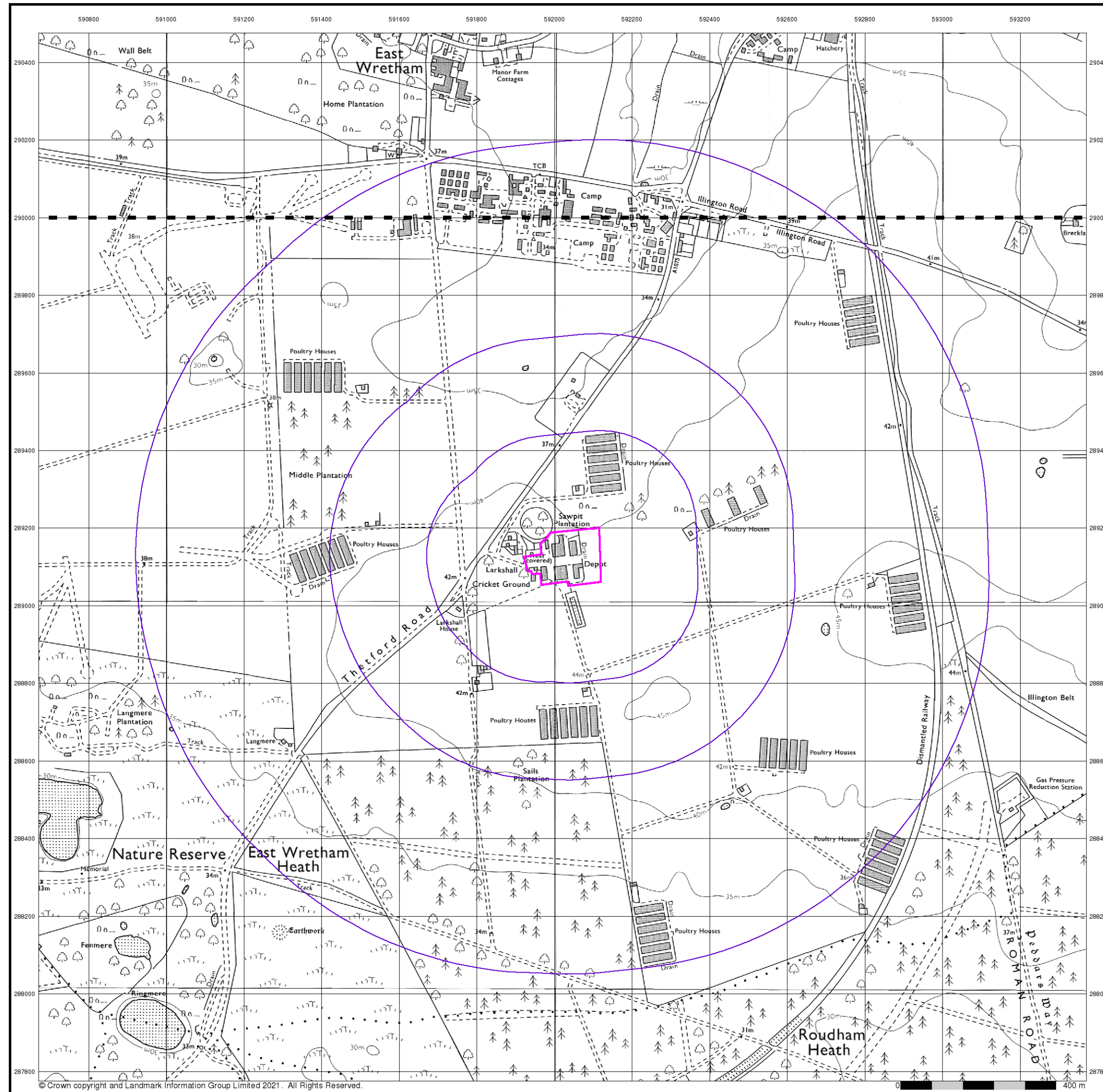
Order Details

Order Number: 286938653_1_1
 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
 Slice: A
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Ordnance Survey Plan

Published 1982 - 1983

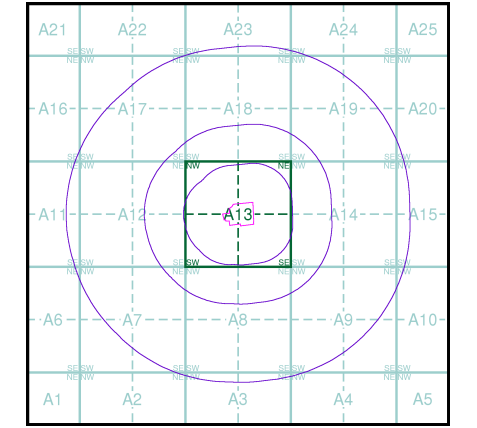
Source map scale - 1:10,000

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)

TL99SW	1982	1:10,000
TL98NW	1983	1:10,000

Historical Map - Slice A



Order Details

Order Number: 286938653_1_1
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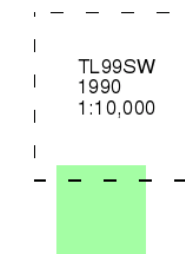
Ordnance Survey Plan

Published 1990

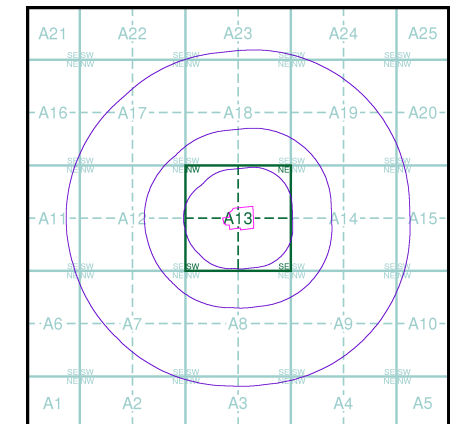
Source map scale - 1:10,000

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

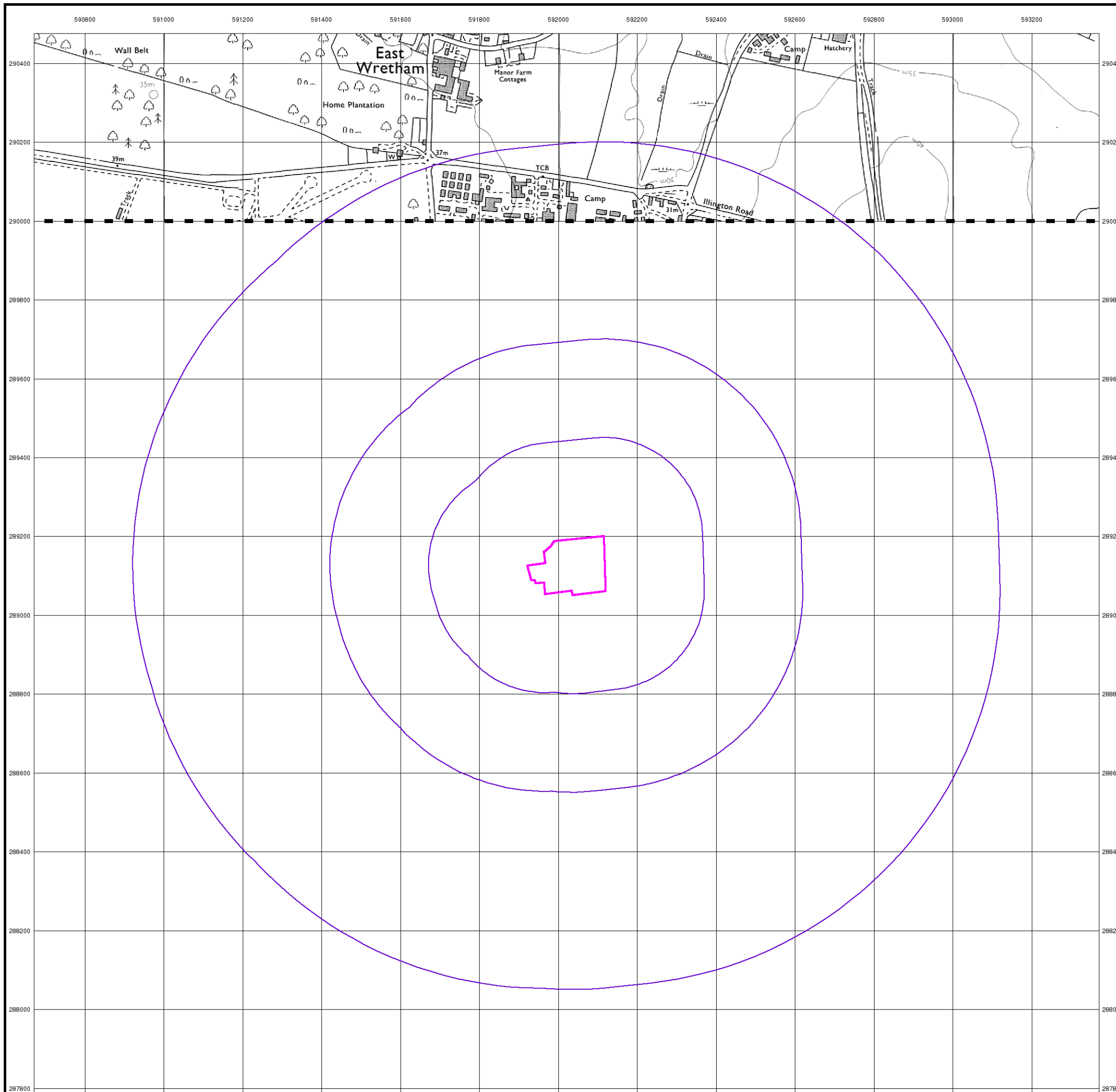


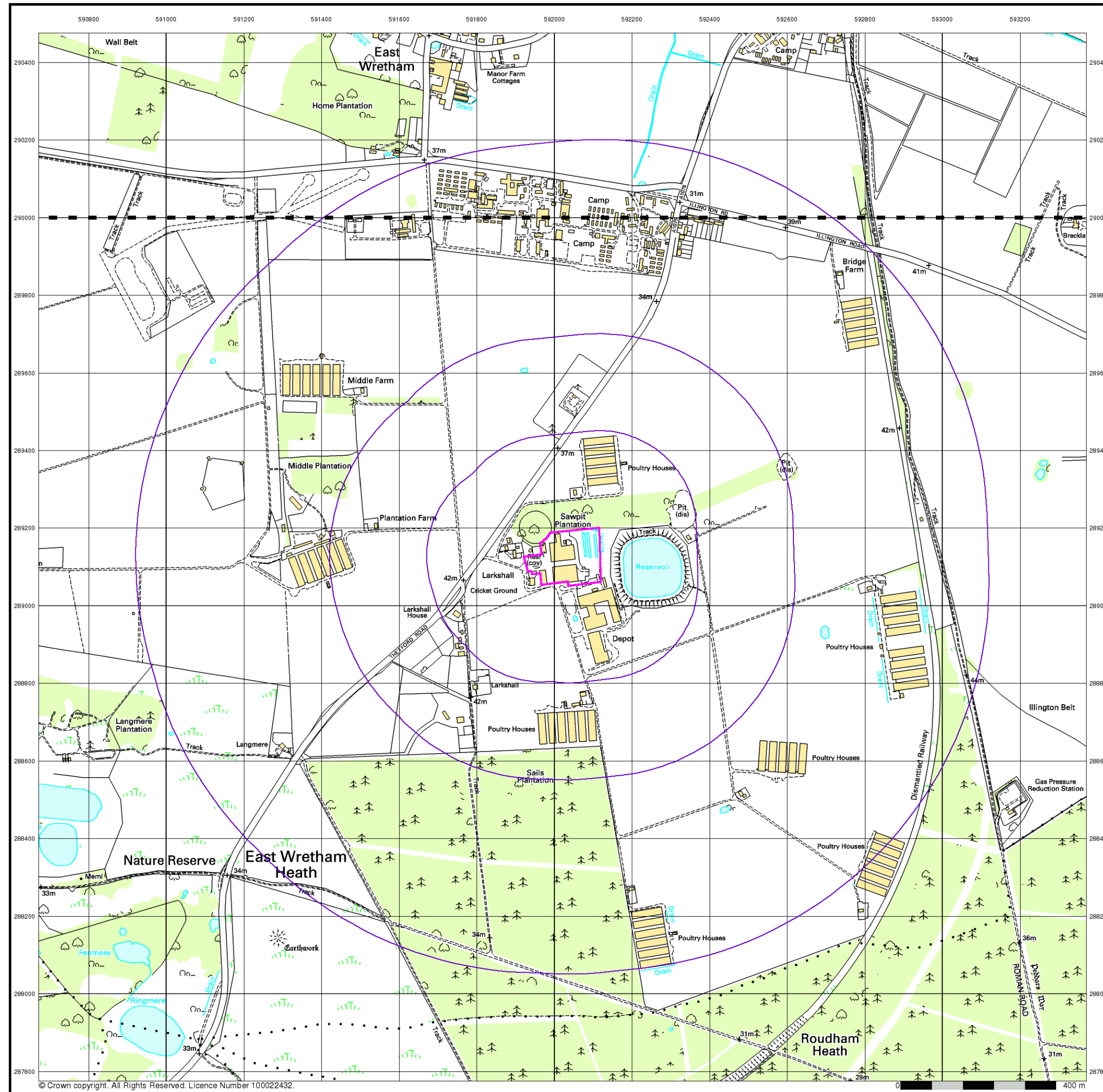
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10k Raster Mapping

Published 2000

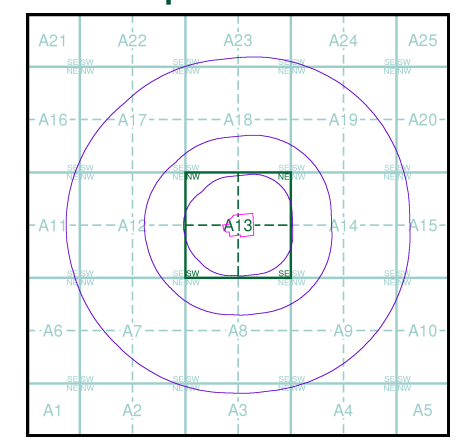
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TL99SW	2000	1:10,000
TL98NW	2000	1:10,000

Historical Map - Slice A



Order Details

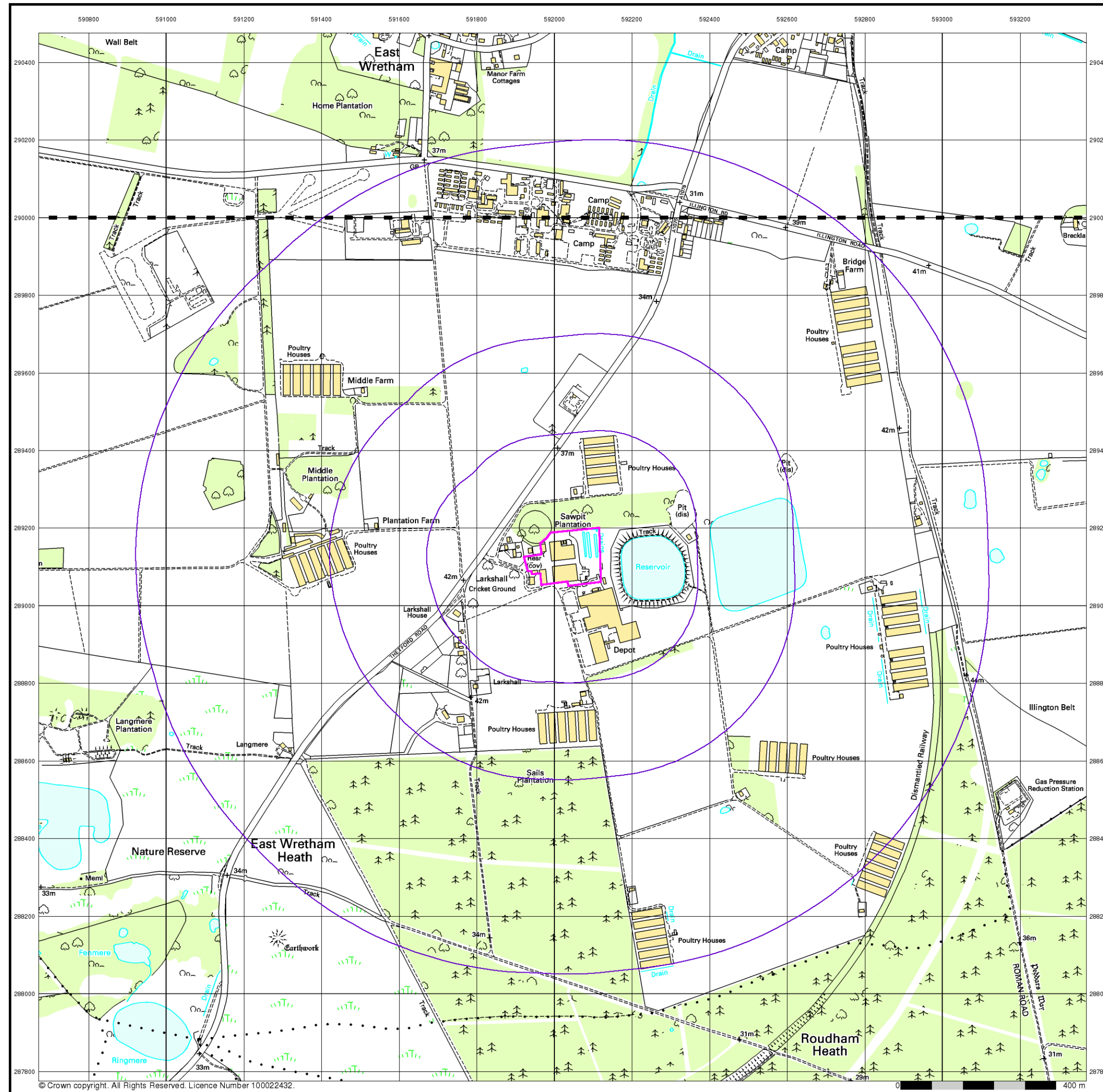
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 Customer Ref: OCO_2020.04
 National Grid Reference: 592030, 289120
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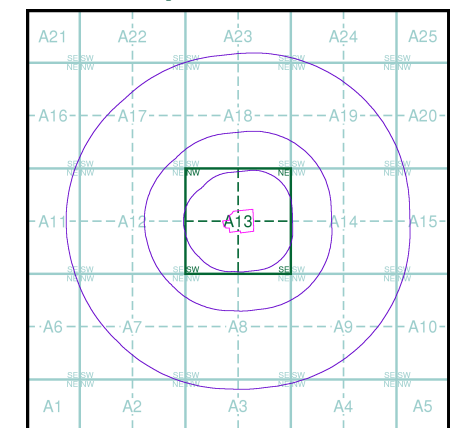


The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks 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)

TL99SW	2006	1:10,000
TL98NW	2006	1:10,000

Historical Map - Slice A

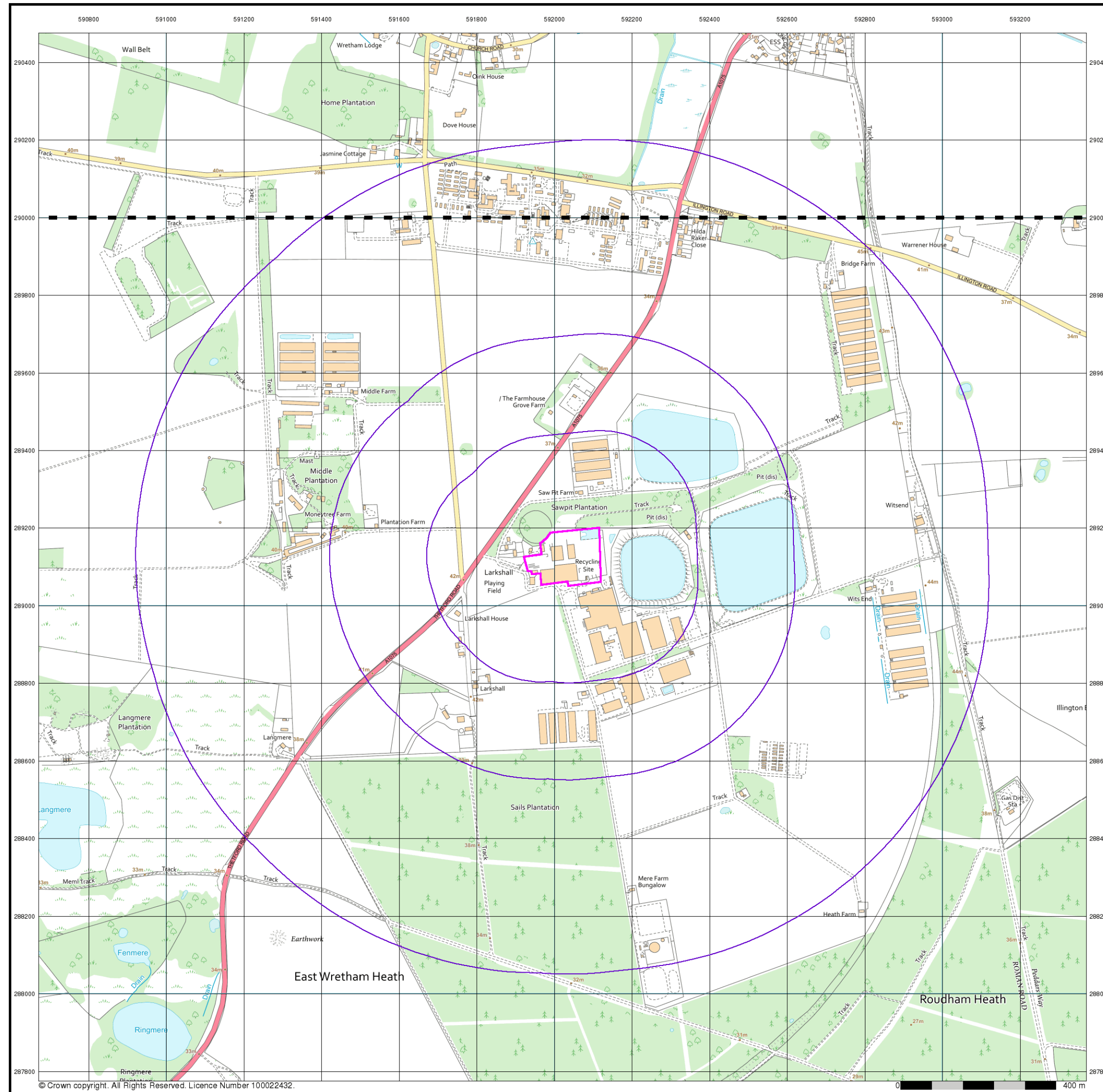


Order Details

Order Number: 286938653_1_1
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VectorMap Local

Published 2021

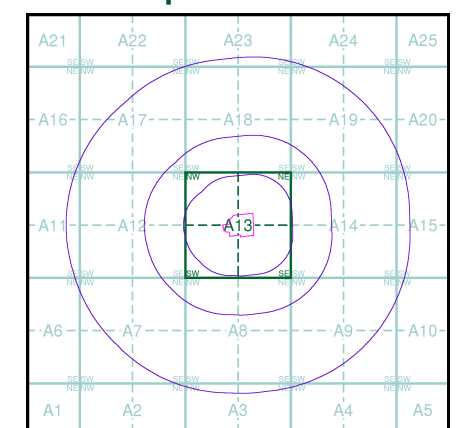
Source map scale - 1:10,000

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)

- TL99SW | 2021 | Variable
- TL98NW | 2021 | Variable

Historical Map - Slice A



Order Details

Order Number: 286938653_1_1
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