



Gladman Developments Ltd

Land at Evenhill, Littlebourne, Canterbury

Preliminary Risk Assessment

52212-R01 (00)

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RSK



RSK GENERAL NOTES

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Where field investigations have been carried out, these have been restricted to a level of detail required to achieve the stated objectives of the work.

This work has been undertaken in accordance with the quality management system of RSK Environment Ltd.

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1 INTRODUCTION

1.1 Commissioning

RSK Environment Limited (RSK) was commissioned by Gladman Development Ltd to carry out a Preliminary Risk Assessment of the land at Evenhill, Littlebourne, Canterbury, Kent, CT13 1XA. The project was carried out to an agreed brief as set out in RSK's proposal (Ref. 52212-T01(00), dated 22nd July 2020).

This report is subject to the RSK service constraints given in **Appendix A** and limitations that may be described through this document.

1.2 Objectives

The objective of the work is:

- to provisionally identify any land contamination and/or geotechnical constraints to the proposed development and to support discharge of relevant planning conditions and relevant building control requirements; and
- to identify the need for investigation or remediation works to demonstrate that the site is suitable for its proposed use.

1.3 Scope of works

The scope of this assessment has been developed in accordance with relevant British Standards and authoritative technical guidance as referenced through the report. The assessment of the contamination status of the site is in line with the technical approach presented in CLR 11 Model Procedures for the Management of Land Contamination (Environment Agency, 2004) and in general accordance with BS 10175: 2011 + A2 2017 (BSI, 2017). It is also compliant with relevant planning policy and guidance.

A brief summary of relevant legislation and policy relating to land contamination is given in **Appendix B**.

The scope of works for the assessment has included the following:

- review of the history of development on the site and surroundings, including a study of historical ordnance Survey mapping and other sources of historical information via an environmental database report;
- assessment of local geology, hydrogeology and surface water setting, including the identification of potential geological hazards including mining etc.;
- review of relevant information held by appropriate statutory authorities, e.g. local authority Environmental Health Departments and Environment Agency, obtained from the environmental database report and/ or consultations;
- completion of a site reconnaissance survey to assess the visual condition of the site;

- development of an initial conceptual site model (CSM) identifying potential contaminant linkages for potential contaminants, completion of a preliminary risk assessment (PRA) and identification of key uncertainties and assumptions in the CSM;
- preliminary consideration of geotechnical constraints and hazards; and
- identification of the need for further action, e.g. intrusive investigations, where applicable.

1.4 Limitations

The study aims principally to identify and assess the potential risks and liabilities associated with contamination of the ground, on and in the vicinity of the site. While this includes consideration of current operations and housekeeping on the site, the report does not constitute a comprehensive environmental audit of the site, as covered under ISO 14001.

The study was designed generally to meet the objectives of a preliminary (phase 1) investigation, as defined by BS 10175:2011 (BSI, 2017).

This report should be considered in the light of any changes in legislation, statutory requirement or industry practices that have occurred subsequent to the date of issue.

The "vicinity" of the site for the purposes of this report is defined as locations situated within an approximate 250 m radius of the site, although certain sources and/or sensitive targets further than 250 m may also have been considered.

The opinions expressed in this report, and the comments and recommendations given, are based on the information obtained from the desk assessment and the site reconnaissance survey. No intrusive investigations have been undertaken to confirm the actual ground conditions and hence the environmental status of the site.

While asbestos-containing materials are not suspected to be present at the site, asbestos may well be present in soils in discrete areas and may be encountered during future ground investigation.

A detailed survey of invasive plant species is outside the scope of this investigation therefore detailed comments with regards to such species have been omitted from this report.

2 SITE DETAILS

2.1 Site location

Site location details are presented in **Table 1** and a site location plan is provided on **Figure 1**.

Table 1 Site location details

Site name	Land at Littlebourne, Evenhill, Canterbury
Full site address and postcode	Land at Littlebourne, Canterbury, Kent, CT3 1XA
National Grid reference (centre of site)	620396E , 157493N

2.2 Site description

The site is located to the west of Littlebourne Village, Kent and can be located at National Grid reference 620390E, 157400N as shown in **Figure 1**. The Site boundary and current site layout are shown on **Figure 2**.

The Site comprises a broadly 'L' shaped plot of land covering an area of c. 16 hectares. The site comprises open agricultural fields, believed to be arable landuse.

The site is informally divided into two parcels of land (north and south), by a centrally located surface water drainage ditch traversing through the centre of a site in an east-west direction.

Site topography generally falls west (~30 mAOD) to east (~20 mAOD). Mature trees are present along all site boundaries to varying degrees alongside semi-mature and mature hedgerows.

2.3 Surrounding land uses

The site is located to the west of Littlebourne Village, Kent. Surrounding landuse predominantly comprises a mixture of residential end-use (associated with the Village), and open agricultural fields. Immediate surrounding land uses are described in **Table 2**.

Table 2 Surrounding land uses

North	Abounding A257. Residential properties, public house (The Evenhill), B&B (Cedar Lodge). Open green fields/agricultural land beyond.
East	Northeast – abounding unnamed vehicular access track, detached residential properties with associate private gardens. Littlebourne Village centre beyond. Southeast – abounding Bekesbourne Lane with open green fields/agricultural land beyond.

South	Howletts Wilds Animal Park, with open green fields/agricultural land beyond.
West	Unbound (i.e. no physical boundary), open green fields/agricultural land believed to be associated with the subject site.

2.4 Development plans

Development plans are in their infancy however; it is understood that plans under consideration comprise up to an initial 99 residential units (Phase 1), followed by a further 120 units within Phase 2.

3 DESK-BASED ASSESSMENT

3.1 Site history

3.1.1 Historical development record

The development history of the site and surrounding area based upon assessment of historical plans and records is detailed in **Table 3** Summary of historical development. The historical maps reviewed are shown within the environmental database report in **Appendix C**.

Table 3 Summary of historical development

Date from	Date to	Historical Land Use (on-site)	Area of site
1873	Present (2021)	Unoccupied agricultural land , periodically parts utilised as orchards.	Site wide
1898	1991	Tracks intersecting the site from north to south	Site wide
1873	1907	A small detached building present in the centre of site.	Centre
1897	1962	Two larger detached buildings present in the centre of site (directly east of the small detached building).	Centre
Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1877	Present (2021)	Predominantly residential settlement of Littlebourne Village. Significant increase in residential housing on the western expanse of the village from circa the 1950s.	<50 m NE
1960	1977	Sewage works located c. 600m northeast	600 m NE
1979	Present	Howletts wildlife park and associated carparking adjacent to site.	>50 m SW
Relevant information sources: Historical OS maps <input checked="" type="checkbox"/> Town plans <input type="checkbox"/> Information from the Local Planning Authority <input type="checkbox"/> Aerial photography <input checked="" type="checkbox"/>			
<i>Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.</i>			

3.1.2 Unexploded ordnance

A review of publicly available unexploded ordnance (UXO) risk maps indicates that the site is located in an area with 'medium' potential for wartime bombs to be present (Zetica, 2021).

It is recommended a specialist preliminary UXO risk assessment report is commissioned for the subject site prior to any ground-breaking works taking place.

3.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see **Appendix C**) are summarised below in **Table 4**.

Table 4 Summary of environmental permits, landfills and incidents

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	0	N/A
Enforcement and prohibition notices	0	0	0	N/A
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	0	2	<p><i>Pollution incidents to controlled waters</i></p> <p>Off-site >250 m:</p> <p>530 m (SW) - Category 3 (minor incident) at Bekesbourne lane, Elephant sewage in ditch from Howletts Zoo, dated April 1992.</p> <p>720 m (S) - Category 3 (minor incident) at Oast House of diesel, dated September 1997</p>
Discharge consents	0	0	2	<p>Off-site >250 m:</p> <p>950 m (SW)-discharge of sewage, final/treated effluent to land/soakaway at Howletts and Port Lymgne Estates.</p> <p>970 m (SW) - discharge of sewage, final/treated effluent to land/soakaway at domestic property (Lee Priory Farm)</p>

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Registered radioactive substances	0	0	0	N/A
Landfill and waste				
Active landfills	0	0	0	N/A
Historic/closed landfills	0	0	0	N/A
Other waste management licences	0	0	0	N/A
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	5	16	Non-water Off-site >250 m: 294 m south-west 'unknown' filled ground (pit/quarry) Water Offsite <250 m: 153 m east 'unknown' filled ground (pond, stream).
Hazardous substances/industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	6	12	Off-site <250: All six (6no.) entries are inactive. Notable entry: 200 m (E) – Petrol filling station, Ackrill Automotive, inactive. Off-site >250: Five (5no.) active entries which includes manufacturers, printers and blacksmiths.

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Fuel station entries	0	1	0	Off-site <250: 200 m (E) – Ackrill Automotive, High Street Littlebourne, status 'obsolete'.
<p><i>Note: Entries have only been included within the table where they are located within a 250m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.</i></p>				

Based upon the information contained within the environmental database report and a review of all salient details including proximity, longevity, entry type and associated incident reports (if any), none of the aforementioned entries are to be carried forward for consideration within the initial conceptual site model contained in Section 6.

3.3 Information from regulatory authorities

3.3.1 Planning records

Planning records held by the Local Authority Planning Department pertaining to the site and relevant to the current assessment are summarised in **Table 5**.

Table 5 Planning information

Year	Details and application reference no.	Part of site
N/A	None	N/A

3.3.2 Local Authority environmental health department information

A freedom of Information (FOI), request has been submitted to the Environmental Health Department of Canterbury City Council however; at the time of drafting no response had yet been received. Once received an updated version of this report will be issued.

3.3.3 Site services

Buried utility services and their backfill can provide preferential pathways for gas, vapour or groundwater to migrate along to another part of the site or to a receptor. They can also represent significant constraints to development. However, obtaining a full set of service plans was outside the scope of this report.

3.4 Site geology

3.4.1 Anticipated geological sequence

Published records (British Geological Survey, *Canterbury, Sheet 289, 1:50 000 Series, dated 1982.*) for the area and available historical borehole logs indicate the geology of the site to be characterised by the succession recorded in **Table 6**.

There are four (4no.) publicly available BGS historical boreholes located on or within 500m of the site, of which three (3no.) contain pertinent geological information and are presented in **Appendix D**.

Table 6 Site geology

Strata	Description	Estimated thickness	Permeability
Superficial deposits: Head	Clay and silt	<5 m	Low
Bedrock deposits: Thanet Formation	Sand, silt and clay	5 to 10 m	Medium
Bedrock deposits: Margate Chalk Member	Chalk	>20	High
Relevant information sources: BGS Geoindex <input checked="" type="checkbox"/> borehole logs <input checked="" type="checkbox"/> Previous SI reports <input type="checkbox"/>			

Superficial Head deposits directly underlie the subject site, with bedrock deposits of the Thanet Formation below.

The boundary between the Thanet Formation and the Margate Chalk Member runs directly along the southern site boundary and the Margate Chalk Member appears on site in the south-eastern and north-eastern corner of the site.

It is anticipated the Margate chalk lies directly beneath the Thanet Formation as has been identified within historical boreholes located in close proximity to site (see **Appendix D**).

With reference to the historical data there have been some phases of localised construction and demolition on the site, therefore the presence of isolated/localised pockets of made ground should be expected.

3.4.2 Radon

The environmental database report provides an assessment of site-specific radon risk. The report indicates that 5 to 10% homes are above the Action Level of 200 Bq m⁻³ and that basic radon protective measures are required within new dwellings at the site.

The site-specific assessment within the environmental database report is at a higher resolution and therefore provides greater detail than that publicly available in the indicative radon atlas at www.ukradon.org.

It is recommended that a site-specific radon report is commissioned for the subject site.

3.5 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500 m of the site.

In total, four (4no.) BGS recorded mineral sites are located within 1 km of the subject site, all of which were classified as opencast quarries which have subsequently ceased operation.

The closest of which centred 300 m to the southwest known as Lackenden Wood Gravel Pit, classed as an opencast quarry for sand and gravel believed to be associated with a localised occurrence of river terrace deposits. The former quarry is now the location of Howletts Wild Animal Park, located directly adjacent to the south-western site boundary. With reference to available historical mapping data, the extent of the former quarry was modest (believed indicative of the localised occurrence of these deposits). Evidence of in-filling subsequent to quarry closure and development (from the 1970s onwards) is inconclusive from available historical maps.

The Environmental database has identified the site lies within an area that may be affected by coal mining activity, and as such it is recommended that a site-specific coal mining report is obtained from the Coal Authority.

The nearest recorded man-made mining cavity is located circa 370 m south west of the subject site relating to possible crown hole collapse associated with abstractions from the underlying Chalk.

3.6 Hydrogeology

A summary of the hydrogeological setting of the site, with respect to the anticipated geological sequence set out in Section 3.5 is presented below in **Table 7**.

Table 7 Summary of hydrogeological setting

Condition	Description
Aquifer characteristics	<i>Superficial</i> Unproductive strata of the superficial Head deposits
	<i>Bedrock</i> Secondary A aquifer of the bedrock Thanet Formation; and, Principal aquifer of Margate Chalk Member (at depth). Both bedrock stratum are classified as 'high' groundwater vulnerability.

Condition	Description
Depth to groundwater and flow	<p>The closest BGS borehole containing groundwater level data is located c. 400 m northeast from the subject site and identifies water strike at 4 mbgl (approximately 10 mAoD) with water resting at 3 mbgl (Appendix D borehole reference TR25/203).</p> <p>In the absence of any site-specific groundwater level data the depth to groundwater beneath the subject site is inferred to be circa 10 mAOD (10-20 mbgl), with reference to both the aforementioned BGS borehole data and the anticipated elevation of the Nail Bourne surface watercourse located 250 m southeast of the subject site.</p> <p>Localised perched water bodies cannot be ruled out.</p> <p>Underlying groundwater flow direction is anticipated to follow local topography eastwards, towards Nail Bourne surface watercourse.</p> <p>Regional groundwater flow direction is anticipated to follow regional topography northwards, towards the lower-lying marchlands that flank the Great Stour.</p>
Rising groundwater levels	Not applicable
Groundwater recharge/attenuation	Entirely soft landscaping. Unsurfaced and will therefore drain to ground.
Historical implications for hydrogeology	None observed.
Licensed groundwater abstractions	<p>The environmental database report indicates that there are two (2no.) current licensed groundwater abstractions within a 2 km radius of the site, neither of which are used for public potable abstractions.</p> <p>Both abstractions are used for general farming and domestic use. The closets of which located 430 m west of the subject site.</p>
Source protection zones	Information available in the Envirocheck report indicates that the southern portion of site lies within Zone 3 (total catchment) of the groundwater Source Protection Zone (SPZ), with the remainder of the site is situated outside of a designated SPZ. Details of the SPZ designation are contained within Appendix C .

3.7 Hydrology

A summary of the hydrology within the site area is summarised in **Table 8**.

Table 8 Summary of hydrology in site area

Condition	Description
Surface watercourse s/features	<p>A shallow surface water ditch (~1 m), intersects the middle of the site, flowing in an easterly direction towards the site boundary. At the site boundary, the surface water flows northwards discharging into an 8" pipe situated within a shallow headwall leading into the abounding A257 (as observed within the site reconnaissance, see Section 4 of this report).</p> <p>Water was noted as 'intermittent ponding' within upper reaches (western extents), and 'shallow flowing' within lower reaches (east and north).</p> <p>With reference to the environmental database report, the nearest off-site surface watercourse is an unnamed inland river located 185 m north of the subject site.</p> <p>Located circa 250 m east is the Nail Bourne river flowing northwards eventually becoming the Little Stour.</p>
Surface water abstractions	<p>The environmental database report indicates that there are eleven (11no.) current licensed surface water abstractions within a 1 km radius of the site, none of which are used for potable water supply.</p> <p>The closest surface water abstractions is located 340 m east, at Lee Priory Farm, and is utilised for general agriculture, direct spray irrigation.</p>
Site drainage	<p>Surface drainage from the site appears to be discharged to the ground and the shallow surface water ditch (~1 m) intersecting the middle of the subject site.</p>
Preliminary flood risk assessment	<p>The indicative floodplain map for the area, shows that the site does not lie within the designated floodplain. A full flood risk assessment (FRA) is outside the scope of this report.</p>

3.8 Sensitive land uses

Table 9 provides a summary of any environmentally sensitive areas identified within 500 m of the site based on the environmental database report.

Table 9 Environmentally sensitive areas

Feature	Present within 500 m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	No	-	-
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	Yes	150 m (NW) – ancient woodland of Pine Wood	No

Feature	Present within 500 m of site?	Details	Likely pathways from site?
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	No	-	-
Nearest high sensitivity development, e.g. residential	Yes	Residential houses surrounding site – closest are directly adjacent the northern site boundary.	Yes - migration of contamination via dust/fibre deposition, vapour or groundwater migration combined with inhalation

4 SITE RECONNAISSANCE FINDINGS

A site reconnaissance survey was completed on 7th January 2021 by RSK. The characteristics of the site observed during the walkover and from current ordnance Survey maps are summarised in Site reconnaissance findings.

A site layout plan is provided in **Figure 2** with photographic records included in **Appendix F** detailing the main features identified in **Table 10** below.

Whilst the walkover summary includes consideration of current operations and housekeeping on the site as potential sources of contamination, it does not constitute a comprehensive environmental audit of the site, as covered under ISO 14001.

Table 10 Site reconnaissance findings

Feature	Description
Physical characteristics	
Access constraints	<p>Pedestrian access via north-eastern and eastern site boundary (permissible public footpaths).</p> <p>Former vehicle access via south-western access track off Bekesbourne Lane (no longer serviceable).</p> <p>Access track leading westwards towards further farmland.</p>
Site topography	Site topography generally falls from west to east.
Surface cover	<p>Soft-landscaped – open greenfield throughout (Arable land).</p> <p>Granular access track along southern site boundary (adjacent Howletts Wild Animal Park).</p>
Site drainage	<p>No manhole covers were observed on site.</p> <p>A shallow surface water ditch (~1 m), intersects the middle of the site, flowing in an easterly/northerly direction.</p>
Surface water	<p>A shallow surface water ditch (~1 m), intersects the middle of the site, flowing in an easterly direction towards the site boundary. At the site boundary, the surface water flows northwards discharging into an 8" pipe situated within a shallow headwall leading into the abounding A257 (as observed within the site reconnaissance, see Section 4 of this report).</p> <p>Water was noted as 'intermittent ponding' within upper reaches (western extents), and 'shallow flowing' within lower reaches (east and north).</p> <p>No evidence of contaminative impact (visual or olfactory) was identified.</p>
Trees and hedges	<p>Mature trees are present along all site boundaries to varying degrees alongside semi-mature and mature hedgerows.</p> <p>At the time of the site visit, tree felling was underway along the north-eastern site boundary.</p>

Feature	Description
Invasive species	Based upon the walkover survey obvious evidence of Japanese Knotweed or other invasive species has not been identified on-site however; the site walkover was conducted during winter months (January), and during a period of vegetative dieback (October-April). However, it should be noted that a detailed survey of the possible presence or absence of invasive species is outside of the scope of investigation and consideration should be given to commissioning a specialist survey, as necessary.
Existing buildings on-site	No buildings are present on-site.
Retaining walls and adjacent buildings on or close to site boundary	There are no such structures on or close to the site boundary.
Basements on-site	None observed
Made ground, earthworks and quarrying	None observed – potential beneath granular access track along southern site boundary (adjacent Howletts Wild Animal Park).
Potentially unstable slopes on or close to site	None observed
Buried and overhead services present	None observed within the site. Boundary pole mounted services.
Environmental characteristics	
Underground/ above ground storage tanks and pipework	None observed – however; redline boundary plans provided by the Client do defined a ‘tank’ located adjacent the southern site boundary (within curtilage of adjacent Howletts Wild Animal Park)
Potentially hazardous materials storage and use	None observed on-site albeit stockpiled aggregates/materials and a number of IBCs and discarded refrigerators/air conditioning units observed adjacent the southern site boundary (within curtilage of adjacent Howletts Wild Animal Park)
Asbestos-containing materials	None observed
Waste storage	None observed
Fly-tipping	None observed
Electricity sub-stations/ transformers	None observed on or close to site.
Evidence of possible land contamination on-site	None observed

Feature	Description
Potential off-site sources of ground contamination	As above: <ul style="list-style-type: none"> • Former 'tank' on redline plan southern site boundary (not observed); and, • Stockpiled aggregates/materials, IBCs and discarded refrigerators/air conditioning units observed adjacent the southern site boundary.

Potentially significant land contamination or geotechnical issues arising from the survey are summarised below:

On-site

- Arable land use may include the use of pesticides, herbicides and or fertilisers.

Off-site

- Former 'tank' on redline plan southern site boundary (not observed); and
- Stockpiled aggregates/materials, IBCs and discarded refrigerators/air conditioning units observed adjacent the southern site boundary.

5 PRELIMINARY GEOTECHNICAL CONSTRAINTS

5.1 Design class

BS EN 1997-1 defines three different Geotechnical Categories that structures may fall into, which are summarised as follows:

- Category 1: Small and relatively simple structures for which it is possible to ensure that the fundamental requirements will be satisfied on the basis of experience and qualitative geotechnical investigations; with negligible risk
- Category 2: Conventional types of structure and foundation with no exceptional risk or difficult ground or loading conditions
- Category 3: Structures or part of structures, which fall outside limits of Geotechnical Categories 1 and 2. Examples include very large or unusual structures; structures involving abnormal risks, or unusual or exceptionally difficult ground or loading conditions; structures in highly seismic areas; structures in areas of probable site instability or persistent ground movements that require separate investigation or special measures.

Based on the information provided above on the proposed development and in view of the anticipated ground conditions, a Geotechnical Category of 2 has been assumed.

5.2 Preliminary geotechnical hazards assessment

A summary of commonly occurring geotechnical hazards associated with the anticipated geology outlined in Section 3 above is given in **Table 11** together with an assessment of whether the site may be affected by each of the stated hazards.

Table 11 Summary of preliminary geotechnical risks that may affect site

Hazard category	Hazard status based on desk study findings and proposed development		Engineering considerations if hazard affects site
	Could be present and/or affect site	Unlikely to be present and/or affect site	
Sudden lateral changes in ground conditions	☒	☐	Likely to affect ground engineering and foundation design and construction <i>Transition between superficial (Head) and Bedrock Geology - principally Thanet but locally Chalk maybe present within the South-eastern extents).</i>

Hazard category	Hazard status based on desk study findings and proposed development		Engineering considerations if hazard affects site
	Could be present and/or affect site	Unlikely to be present and/or affect site	
Shrinkable clay soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Design to NHBC Standards Chapter 4 or similar <i>Superficial (Head) and bedrock (Thanet) may contain shrinkable clay soils.</i>
Highly compressible and low bearing capacity soils, (including peat and soft clay)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Likely to affect ground engineering and foundation design and construction
Silt-rich soils susceptible to rapid loss of strength in wet conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Likely to affect ground engineering and foundation design and construction <i>Superficial (Head) and bedrock (Thanet) may contain silt rich soils.</i>
Running sand at and below water table	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Likely to affect ground engineering and foundation design and construction <i>Sand lenses within bedrock (Thanet) may present risk of running sands</i>
Karstic dissolution features (including 'swallow holes' in Chalk terrain)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	May affect ground engineering and foundation design and construction – refer to Section 4.1.2 <i>Chalk Solution Risk Assessment concludes an overall 'high' risk.</i>
Evaporite dissolution features and/or subsidence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	May affect ground engineering and foundation design and construction
Ground subject to or at risk from landslides	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Likely to require special stabilisation measures
Ground subject to periglacial valley cambering with gulls possibly present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Likely to affect ground engineering and foundation design and construction
Ground subject to or at risk from coastal or river erosion	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Likely to require special protection/stabilisation measures
High groundwater table (including waterlogged ground)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	May affect temporary and permanent works

Hazard category	Hazard status based on desk study findings and proposed development		Engineering considerations if hazard affects site
	Could be present and/or affect site	Unlikely to be present and/or affect site	
Rising groundwater table due to diminishing abstraction in urban area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	May affect deep foundations, basements and tunnels
Underground mining	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Likely to require special stabilisation measures. <i>Site specific Coal Authority report recommended.</i>
Effects of extreme temperature (e.g. cold stores or brick kilns/furnaces)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Likely to affect ground engineering and foundation design and construction
Existing sub-structures (e.g. tunnels, foundations, basements, and adjacent sub-structures)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Likely to affect ground engineering and foundation design and construction. <i>Small detached centrally located buildings identified within historical mapping data.</i>
Filled and made ground (including embankments, infilled ponds and quarries)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Likely to affect ground engineering and foundation design and construction <i>Small detached centrally located buildings identified within historical mapping data.</i> <i>Access track along southern site boundary.</i>
Adverse ground chemistry (including expansive slags and weathering of sulphides to sulphates)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	May affect ground engineering and foundation design and construction
Site topography	<input type="checkbox"/>	<input checked="" type="checkbox"/>	May affect ground engineering and foundation design and construction
Note: Seismicity is not included in the above table as this is not normally a design consideration in the UK.			

5.2.1 Chalk

In view of the prevailing ground conditions, with Chalk anticipated at a relatively shallow depth beneath the site (~10 m), it is normal practice to consider the potential risk of ground subsidence related to the presence of swallow holes and other natural chalk solution features or man-made cavities.

Based on the Edmund's risk assessment model for natural dissolution features referred to in CIRIA Report C574 (Lord et al. 2002), the site falls into the 'High anticipated subsidence risk' category.

With reference to Edmund's database of known natural and man-made chalk solution features the nearest recorded feature is a solution pipe located circa 1.1 km south the subject site.

With reference to the environmental database report the nearest recorded natural cavity feature is a solution pipe within the Chalk located circa 794 m south of the subject site.

5.2.2 Environmental database report

The environmental database report indicates:

- Potential for collapsible ground stability hazards: 'very low' to 'moderate';
- Potential for compressible ground stability hazards: no hazard;
- Potential for ground dissolution stability hazards: no hazard to 'high';
- Potential for landslide ground stability hazards: 'very low';
- Potential for running sand ground stability hazard: no hazard to 'very low'; and
- Potential for shrinking or swelling of clay ground stability hazard: low.

6 INITIAL CONCEPTUAL SITE MODEL

In the UK land contamination is assessed using a risk-based approach taking account of the magnitude (severity of the hazard) and likelihood (probability) of occurrence. A 'receptor' is something that could be adversely affected by contamination (e.g. people, an ecological system, property or a water body). A 'pathway' is a route or means by which a receptor is or could be exposed to or affected by a contaminant. A 'contaminant source' is a hazard but it can only pose a risk to a receptor where a pathway is present. The relationship between sources, pathways and receptors are referred to as a conceptual site model. A risk can only be released where a contaminant source, pathway and receptor are all in place, referred to as a 'pollutant linkage'.

In line with CLR11 (Environment Agency, 2004) and BS 10175: 2011 + A2 2017 (BSI, 2017), RSK has used information in the preceding sections to identify sources of contaminants, receptors that may be impacted and plausible linking pathways. Where all three are present this is termed a potentially complete contaminant linkage and a qualitative risk estimation is made.

6.1 Potential soil, soil vapour and groundwater linkages

6.1.1 Potential sources of contamination

Potential sources of soil and groundwater contamination identified from current activities and the history of the site and surrounding area are presented in **Table 12**. Ground gas sources are addressed in the next section.

Table 12 Potential sources of soil and groundwater contamination

Potential sources	Contaminants of concern	Current or historical?
On-site		
Potential localised Made ground: localised to the centre of site where former buildings were present and remnant access track along southern site boundary.	Unknown fill material but potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos	Historical
Potential site-wide use of Pesticides, herbicides and fertilisers	Organochlorines, organophosphorus	Historical/ Current
Off-site		
Former tank: located along southern site boundary	Assumed hydrocarbon for conservatism, Total petroleum hydrocarbons (TPH), BTEX, MTBE	Historical

Potential sources	Contaminants of concern	Current or historical?
Stockpiled aggregates/materials, IBCs and discarded refrigerators/air conditioning units adjacent southern site boundary	Unknown materials, but potentially include; coal tars, PAHs, toxic and phytotoxic metals, inorganics e.g. cyanide, sulphide., sulphate, ammonia, volatile organic compounds e.g. BTEX, semi-volatile organic compounds (SVOCs) e.g. phenols, asbestos	Current

Off-site sources from historical pollution incidents, discharge consents, contemporary trades and fuel stations have been omitted owing to either the absence of incident and or proximity of each entry recorded within the environmental database.

6.1.2 Sensitive receptors and linking exposure/migration pathways

Sensitive receptors identified at or in the vicinity of the site that could be affected by the potential sources identified above comprise:

- future site users – residential users [oral, dermal and inhalation exposure with impacted soil, soil vapour and dust/fibres, ingestion of home-grown produce];
- current adjacent site users – residential, commercial, public open space users [migration of contamination via dust/fibre deposition, vapour or groundwater migration combined with inhalation];
- future buildings and services [direct contact with contaminated soils or groundwater and chemical attack];
- future vegetation [direct contact with contaminated soils or groundwater and root uptake leading to phytotoxicity];
- Controlled waters: secondary A aquifer of the Thanet Formation and principal aquifer of the Margate Chalk Member [leaching from soils/ percolation to aquifer/ lateral migration of dissolved phase]; and
- Controlled waters: surface water features unnamed feature located 185m north and the Nail Bourne located 250m east [lateral migration of dissolved phase/ LNAPL / site run-off/ centrally located drainage ditch].

Potential linking pathways are show in brackets for each item above.

Please note that construction workers and future maintenance workers have not been identified in the conceptual model as receptors because risks are considered to be managed through health and safety procedures according to the CDM Regulations.

Ecological receptors are only considered within the conceptual model in the context of statutory protected sites.

6.2 Potential ground gas linkages

6.2.1 Ground gas generation potential

Potential ground gas sources identified for the site and surrounding are shown in **Table 13**.

Table 13 Potential ground gas sources

Potential sources	Indicative ground gas generation potential (CIEH, 2008)	Additional information
On-site		
Potential localised Made ground: localised to the centre of site where former buildings were present and remnant access track along southern site boundary.	Very low	Made ground with low degradable organic content (e.g. up to 5% organic material and no easily degradable waste).
Off-site		
Historical Lackenden Wood Gravel Pit located 300 m south-west (now occupied by Howletts Wild Animal Park)	Low	Evidence of in-filling subsequent to quarry closure and subsequent development (from the 1970s onwards) is inconclusive from available historical maps. However; assuming subsequent in-filling (if any), would be classified as 'inert' and having taken place between mid-60's and early 90's category – the ground gas generation potential is considered 'low' with a 'low' risk of lateral migration.

No significant potential sources of ground gas generation have been identified and therefore the risks posed from potential hazardous ground gases from both on and off-site sources have been omitted from further assessment as part of the initial conceptual site model.

6.3 Preliminary risk assessment

The preliminary risk assessment findings and potentially complete contaminant linkages are shown in **Table 14** overleaf. The risk classification based on the combination of hazard consequence and probability using a risk matrix from CIRIA C552 (Rudland et al., 2001), a summary of which is included in **Appendix E**.

Table 14 Risk estimation for potentially complete contaminant linkages

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
On-site						
Potential localised Made ground – historical central buildings and southern access track.	Future site users	Direct contact (oral, dermal, inhalation)	Low likelihood	Medium	Moderate/low	<p><i>Low likelihood</i> of future contact given anticipated localised nature of any potential impacted Made Ground soils (if any), and; assuming calculated concentrations of any pesticides, herbicides and fertiliser (if any), with respective of plant/crop uptake.</p> <p><i>Medium</i> severity conservatively assigned given unknown extent and chemical composition of any impacted Made Ground soils and, unknown use/concentrations of any potential pesticides, herbicides and fertilisers.</p>
Potential site-wide pesticides, herbicides and fertilisers	Current adjacent site users		Unlikely	Medium	Low	<p>Future contact <i>unlikely</i> assuming construction best practice adopted and adhered to.</p> <p><i>Medium</i> severity conservatively assigned given unknown extent and chemical composition of any impacted Made Ground soils and, unknown use/concentrations of any potential pesticides, herbicides and fertilisers.</p>

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
	Future buildings and services	Direct contact (chemical attack on infrastructure and buildings)	Unlikely	Medium	Low	<p>Future contact <i>Unlikely</i> given anticipated localised nature of any potential impacted Made Ground soils (if any) and, limited impact of contaminant of concern with regards to pesticides, herbicides and fertilisers.</p> <p><i>Medium</i> severity conservatively assigned given unknown extent and chemical composition of any impacted soils.</p>
	Future vegetation	Direct contact (root uptake)	Low likelihood	Mild	Low	<p><i>Low likelihood</i> given anticipated possible localised nature of any potential impacted Made Ground soils (if any) and given the absence of any obvious signs of gross vegetative stress.</p> <p><i>Mild</i> severity assigned given reduced sensitivity of receptor (vegetation).</p>
	Controlled waters: secondary A aquifer of the Thanet Formation and principal aquifer of the Margate Chalk Member	Vertical and lateral migration including leaching	Low likelihood	Mild	Low	<p><i>Low likelihood</i> given anticipated possible localised nature of any potential impacted Made Ground soils (if any) and assuming calculated concentrations of pesticides, herbicides and fertilisers applied (if any), with respective of plant/crop uptake.</p> <p><i>Mild</i> severity assigned given that the site is not located within designated SPZ (albeit abounds an SPZ3), and the absence of any licenced potable groundwater abstraction located within 2km radius of the site.</p>

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
	Controlled waters: surface water features unnamed feature located 185m north and the Nail Bourne located 250m east	Vertical and lateral migration including leaching	Unlikely	Medium	Low	<p><i>Unlikely</i> given anticipated possible localised nature of any potential impacted Made Ground soils (if any), assuming calculated concentrations of pesticides, herbicides and fertilisers applied (if any), with respective of plant/crop uptake and assuming construction best practice adopted and adhered to – with particular reference to managing/protecting the preferential lateral migration pathway created by the centrally located surface water drainage ditch (commissioning of a Surface Water / Silt Management Plan or equivalent).</p> <p><i>Medium</i> severity assigned given proximity of nearest surface water features (<250m), and presence local / licenced surface water abstractions within 1km of the subject site (albeit not potable but spray irrigation/agricultural).</p>
Off-site						

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
<p>Former tank: southern site boundary</p> <p>Stockpiled aggregates/materials, IBCs and discarded refrigerators/air conditioning units adjacent southern site boundary</p>	Future site users	Direct contact (oral, dermal, inhalation)	Low likelihood	Medium	Moderate/low	<p><i>Low likelihood</i> of future contact given anticipated naturally confining properties of the underlying superficial Head deposit limiting any potential lateral migration pathway of any potential source (if any), and absence of any reported pollution incidence pertinent to the aforementioned sources.</p> <p><i>Medium</i> severity conservatively assigned given unknown extent of any past or present impact, broad spectrum of potential contaminants of concern and in the absence of any further information pertaining to the historical tank located adjacent the southern site boundary.</p>

Risk matrix		Consequences			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low

Potentially complete contaminant linkages with a potential risk of moderate to low or higher identified in **Table 14** comprise:

1. Direct contact with potentially impacted localised Made Ground (associated with historical central buildings and southern access track), and site-wide pesticides, herbicides and fertilisers by future site users; and,
2. Direct contact with the on-site migration of potential contaminants of concern associate with off-site sources (past and present) located along the southern site boundary by future site users.

These potentially complete contaminant linkages need to be assessed further through appropriate site investigation to target the identified sources of potential contamination and assess the feasibility of identified pathways.

6.4 Data gaps and uncertainties

Key data gaps and uncertainties identified in the CSM at desk study stage include:

- depth to and soil parameters of the underlying natural geology;
- presence/absence and chemical composition of localised Made Ground (central and southern site boundary access track);
- Use (or not), of on-site pesticides, herbicides and fertilizers;
- off-site (southern site boundary) historical tank product, capacity and integrity;
- depth to/flow direction/chemical composition of groundwater (perched or otherwise); and
- outfall/local connectivity of central surface water drainage ditch (8" diameter pipe leading into abounding A257).

7 CONCLUSIONS AND RECOMMENDATIONS

7.1 Environmental assessment

Whilst the potential for significant and widespread contaminative impact is considered 'low', there remains a potential for localised impact related to historical centrally located structures, southern boundary access tracks and possible on-site migration from neighbouring property. The latter of which is principally driven by the presence of an historical tank once cited adjacent the southern site boundary which, in the absence of any further information at this preliminary stage, has been conservatively assessed as presenting a 'moderate/low' risk.

Likewise, in the absence of any further information with regards to the use (or not) of site-wide pesticides, herbicides and fertilisers a 'moderate/low' risk valuation has been conservatively assigned.

On this basis, the Conceptual Site Model indicates an overall 'moderate/low' risk for the subject. A conservative approach to the potential pollutant linkages has been adopted given the proposed end-use (residential).

Notwithstanding the above, it is important to note that risks to controlled waters in the form of surface water features has been omitted on a number of key assumptions, not least the requirement to manage/protect the preferential lateral migration pathway created by the centrally located surface water drainage ditch through the development of Surface Water / Silt Management Plans (or equivalent), during the construction phase of works.

Given there is a potential for localised Made Ground of unknown chemical composition, 'confirmatory level/ targeted' intrusive exploratory works with supplementary laboratory testing, monitoring and subsequent risk assessment is recommended.

Note that whilst the risks posed from hazardous ground gases have been omitted through the identification and assessment of gas generation potential, it would be prudent to undertake a 'confirmatory' programme of ground gas monitoring as part of any future exploratory works and assessment.

Intrusive exploratory works will allow quantitative evaluation of the potentially complete pollutant linkages identified in Section 6.3 and allow subsequent refinement of the initial conceptual site model.

In addition, intrusive exploratory works will also enable many of the data gaps and uncertainties highlighted within Section 6.4 to be addressed.

7.2 Geotechnical assessment

The subject site is underlain by superficial geology of the Head Deposits over bedrock geology of the Thanet Formation and Margate Chalk Member (at depth).

The Margate Chalk Member outcrops close to the south-eastern and eastern site boundaries suggesting a thinning of both superficial Head and Thanet Formation strata eastwards.

There is a potential for localised Made Ground associated with both historical centrally located structures and existing access tracks along the southern site boundary.

The preliminary geotechnical assessment identified the following potential hazards:

- Sudden lateral changes in ground conditions: owing to the transition between superficial (Head) and Bedrock Geology - principally Thanet but locally Chalk maybe present within the South-eastern extents;
- Shrinkable clay soils (potential for cohesive soils within superficial Head and bedrock Thanet);
- Silt rich soils (Head and Thanet);
- Running Sands (Thanet);
- Karstic dissolution features;
- Underground mining features; and
- Existing substructures and filled Made Ground associated with historical centrally located structures (albeit localised).

7.3 Recommendations

In the absence of any soil parameters to inform future foundation design intrusive exploratory works with in-situ and laboratory testing and confirmatory monitoring is recommended.

The intrusive exploratory works will allow the underlying geology to be determined including the establishing the presence/absence and thickness of any Made Ground, and the presence/absence of any soil desiccation.

It is recommended that any intrusive exploratory works are undertaken as part of a combine geo-environmental and geotechnical site investigation.

In addition, and prior to any future intrusive exploratory investigation, commissioning of the following specialist assessments/reports have been recommended;

- Preliminary UXO risk assessment;
- Site-specific radon report; and
- Site-specific coal mining report obtained from the Coal Authority.

8 REFERENCES

Site related information

British Geological Survey, Canterbury, Sheet 289, 1:50 000 Series, dated 1982

BGS, Geology of Britain 3D: [Geology Of Britain 3D \(bgs.ac.uk\)](https://www.bgs.ac.uk/3d-geology) (Visited January 2021)

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Zetica UXO, Risk Maps: [Risk Maps | Zetica UXO](#) (Visited January 2021)

Standards and guidance

British Standards Institution (2015), 'BS 5930:2015. Code of practice for ground investigations'.

British Standard Institution (BSI) (2019), 'BS 8485:2015+A1:2019. Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings'.

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British Standards Institution (2013), BS8576:2013. Guidance on investigations for ground gas – permanent gases and volatile organic compounds (VOCs).

Environment Agency (2004), Model Procedures for the Management of Contaminated Land. Contaminated Land Report Number 11 (CLR11), September (Bristol: Environment Agency).

Part IIA of the Environmental Protection Act (Contaminated Land Regulations (England) 2002 (London: HMSO).

Rudland, D. J., Lancefield, R. M. and Mayell, P. N. (2001), CIRIA C552. Contaminated Land Risk Assessment: A Guide to Good Practice (London: CIRIA).

Stone, K., Murray, A., Cooke, S., Foran, J., Gooderham, L., (2009) CIRIA C681, Unexploded Ordnance (UXO). A guide or the construction industry.

FIGURES



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Client

Gladman Developments Ltd

Project Title

Land at Littlebourne, Canterbury

Drawing Title

Site Location Map

Rev	Drawn	Date	Checked	Date	Approved	Date
01	GT	07/01/2021	JG	07/01/2021	JG	07/01/2021

Dimensions	Scale	Original size
m	1:50.000	A4

Project Number

52212-R01 (00)

Drawing File

52212-L1QGIS.qpt

Drawing Number

Figure 1



Map data ©2020 Google



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Drawing Title

Site Layout Plan

Rev	Drawn	Date	Checked	Date	Approved	Date
01	GT	07/01/2021	JG	07/01/2021	JG	07/01/2021

Project Number

52212-R01 (00)

Drawing File

52212-L2QGIS.qpt

Drawing Number

Figure 2

Dimensions

m

Scale

1:3000

Original Size

A4



APPENDIX A

SERVICE CONSTRAINTS

1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for Gladman Development Ltd (the "Client") in accordance with the terms of a contract [RSK Environment Standard Terms and Conditions] between RSK and the Client. The Services were performed by RSK with the reasonable skill and care ordinarily exercised by an environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the Client.
2. Other than that, expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.
3. Unless otherwise agreed in writing, the Services were performed by RSK exclusively for the purposes of the Client. RSK is not aware of any interest of or reliance by any party other than the Client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. **Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.**
4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK 's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date of this report, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.
5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the Client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.
6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the Client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, invasive plants, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials, unless specifically identified in the Services.
7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a visual inspection of the site together with RSK's interpretation of information, including documentation, obtained from third parties and from the Client on the history and usage of the site, unless specifically identified in the Services or accreditation system (such as UKAS ISO 17020:2012 clause 7.1.6):



- a. The Services were based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely.
- b. The Services were limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the visual inspection.
- c. The Services did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services.

RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the Client and RSK.

8. The intrusive environmental site investigation aspects of the Services are a limited sampling of the site at pre-determined locations based on the known historic / operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the properties of the materials adjacent and local conditions, together with the position of any current structures and underground utilities and facilities, and natural and other activities on site. In addition, chemical analysis was carried out for a limited number of parameters (as stipulated in the scope between the client and RSK, based on an understanding of the available operational and historical information) and it should not be inferred that other chemical species are not present.
9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (intrusive and sample locations etc) annotated on site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for setting out and should be considered indicative only.
10. The comments given in this report and the opinions expressed are based on the ground conditions encountered during the site work and on the results of tests made in the field and in the laboratory. However, there may be conditions pertaining to the site that have not been disclosed by the investigation and therefore could not be taken into account. In particular, it should be noted that there may be areas of made ground not detected due to the limited nature of the investigation or the thickness and quality of made ground across the site may be variable. In addition, groundwater levels and ground gas concentrations and flows, may vary from those reported due to seasonal, or other, effects and the limitations stated in the data should be recognised.
11. Asbestos is often observed to be present in soils in discrete areas. Whilst asbestos-containing materials may have been locally encountered during the fieldworks or supporting laboratory analysis, the history of brownfield and demolition sites indicates that asbestos fibres may be present more widely in soils and aggregates, which could be encountered during more extensive ground works.
12. Unless stated otherwise, only preliminary geotechnical recommendations are presented in this report and these should be verified in a Geotechnical Design Report, once proposed construction and structural design proposals are confirmed.

APPENDIX B

SUMMARY OF LEGISLATION AND POLICY RELATING TO LAND CONTAMINATION

Part IIA of the Environmental Protection Act 1990

Part IIA of the Environmental Protection Act 1990 (Part IIA) and its associated Contaminated Land Regulations 2000 (SI 2000/227), which came into force in England on 1 April 2000, formed the basis for the current regulatory framework and the statutory regime for the identification and remediation of contaminated land. Part IIA of the EPA 1990 defines contaminated land as 'any land which appears to the Local Authority in whose area it is situated to be in such a condition by reason of substances in, on or under the land, that significant harm is being caused, or that there is significant possibility of significant harm being caused, or that pollution of controlled waters is being or is likely to be caused'. Controlled waters are considered to include all groundwater, inland waters and estuaries.

In August 2006, the Contaminated Land (England) Regulations 2006 (SI 2006/1380) were implemented, which extended the statutory regime to include Part IIA of the EPA as originally introduced on 1 April 2000, together with changes intended chiefly to address land that is contaminated by virtue of radioactivity. These have been replaced subsequently by the Contaminated Land (England) (Amendment) Regulations 2012, which now exclude land that is contaminated by virtue of radioactivity.

The intention of Part IIA is to deal with contaminated land issues that are considered to cause significant harm on land that is not undergoing development (see Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance, April 2012). This document replaces Annex III of Defra Circular 01/2006, published in September 2006 (the remainder of this document is now obsolete).

Planning Policy

Contaminated land is often dealt with through planning because of land redevelopment. This approach was documented in Planning Policy Statement: Planning and Pollution Control PPS23, which states that it remains the responsibility of the landowner and developer to identify land affected by contamination and carry out sufficient remediation to render the land suitable for use. PPS23 was withdrawn early in 2012 and has been replaced by much reduced guidance within the National Planning Policy Framework (NPPF), reference ISBN: 978-1-5286-1033-9, February 2019.

The new framework has only limited guidance on contaminated land, as follows:

Chapter 11. Making effective use of land

117 Planning policies and decisions should promote an effective use of land in meeting the need for homes and other uses, while safeguarding and improving the environment and ensuring safe and healthy living conditions. Strategic policies should set out a clear strategy for accommodating objectively assessed needs, in a way that makes as much use as possible of previously-developed or 'brownfield' land.

118. Planning policies and decisions should:

c) give substantial weight to the value of using suitable brownfield land within settlements for homes and other identified needs, and support appropriate opportunities to remediate despoiled, degraded, derelict, contaminated or unstable land.

Chapter 15. Conserving and enhancing the natural environment

170. Planning policies and decisions should contribute to and enhance the natural and local environment by:

e) preventing new and existing development from contributing to, being put at unacceptable risk from, or being adversely affected by, unacceptable levels of soil, air, water or noise pollution or land instability. Development should, wherever possible, help to improve local environmental conditions such as air and water quality, taking into account relevant information such as river basin management plans; and

f) remediating and mitigating despoiled, degraded, derelict, contaminated and unstable land, where appropriate.

Ground conditions and pollution

178. Planning policies and decisions should ensure that:

a) a site is suitable for its proposed use taking account of ground conditions and any risks arising from land instability and contamination. This includes risks arising from natural hazards or former activities such as mining, and any proposals for mitigation including land remediation (as well as potential impacts on the natural environment arising from that remediation);

b) after remediation, as a minimum, land should not be capable of being determined as contaminated land under Part 2A of the Environmental Protection Act 1990; and

c) adequate site investigation information, prepared by a competent person, is available to inform these assessments.

179. Where a site is affected by contamination or land stability issues, responsibility for securing a safe development rests with the developer and/or landowner.

Water Resources Act (WRA)

The Water Resources Act 1991 (Amendment) (England and Wales) Regulations 2009 updated the Water Resources Act 1991, which introduced the offence of causing or knowingly permitting pollution of controlled waters. The Act provides the Environment Agency with powers to implement remediation necessary to protect controlled waters and recover all reasonable costs of doing so.

Water Framework Directive (WFD)

The Water Framework Directive 2000/60/EC is designed to:

- enhance the status and prevent further deterioration of aquatic ecosystems and associated wetlands that depend on the aquatic ecosystems
- promote the sustainable use of water
- reduce pollution of water, especially by 'priority' and 'priority hazardous' substances
- ensure progressive reduction of groundwater pollution.

The WFD requires a management plan for each river basin be developed every six years.

Groundwater Directive (GWD)

The 1980 Groundwater Directive 80/68/EEC and the 2006 Groundwater Daughter Directive 2006/118/EC of the WFD are the main European legislation in place to protect groundwater. The 1980 Directive is due to be repealed in December 2013. The European legislation has been transposed into national legislation by regulations and directions to the Environment Agency.

Priority Substances Directive (PSD)

The Priority Substances Directive 2008/105/EC is a 'Daughter' Directive of the WFD, which sets out a priority list of substances posing a threat to or via the aquatic environment. The PSD establishes environmental quality standards for priority substances, which have been set at concentrations that are safe for the aquatic environment and for human health. In addition, there is a further aim of reducing (or eliminating) pollution of surface water (rivers, lakes, estuaries and coastal waters) by pollutants on the list. The WFD requires that countries establish a list of dangerous substances that are being discharged and EQS for them. In England and Wales, this list is provided in the River Basin Districts Typology, Standards and Groundwater threshold values (Water Framework Directive) (England and Wales) Directions 2010. In order to achieve the objectives of the WFD, classification schemes are used to describe where the water environment is of good quality and where it may require improvement.

Environmental Permitting Regulations (EPR)

The Environmental Permitting (England and Wales) Regulations 2016 (as amended) provide a single regulatory framework that streamlines and integrates waste management licensing, pollution prevention and control, water discharge consenting, groundwater authorisations, and radioactive substances regulation. Schedule 22, paragraph 6 of EPR 2016 states: 'the regulator must, in exercising its relevant functions, take all necessary measures - (a) to prevent the input of any hazardous substance to groundwater; and (b) to limit the input of non-hazardous pollutants to groundwater so as to ensure that such inputs do not cause pollution of groundwater.'

Notes:

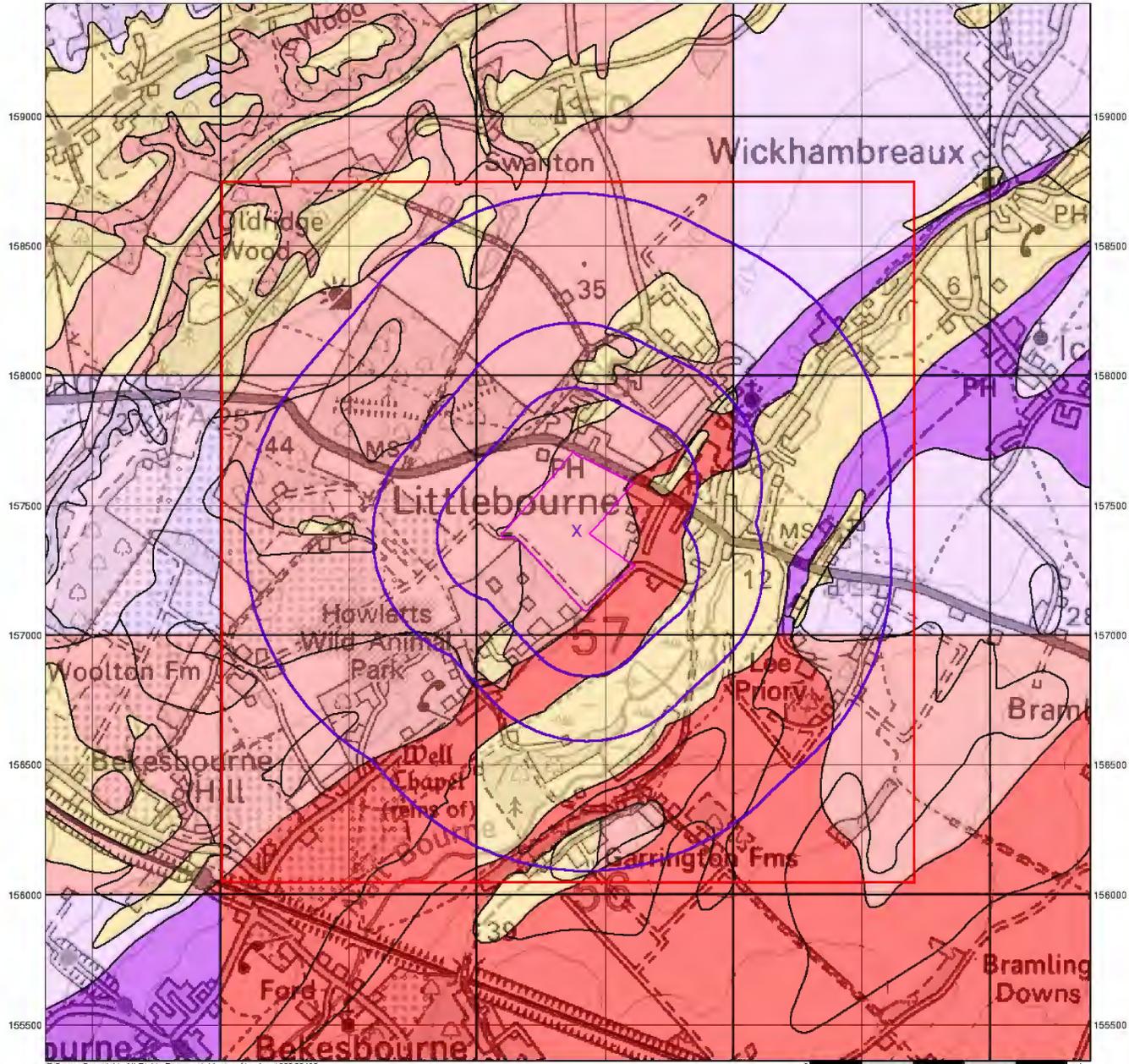
- 1. The above information is provided for background but does not constitute site-specific advice*
- 2. The above summary applies to England only. Variations exist within other countries of the United Kingdom*



APPENDIX C

ENVIRONMENTAL DATABASE REPORT

618500 619000 619500 620000 620500 621000 621500 622000



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0 1 km



Groundwater Vulnerability

General

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

Agency and Hydrological

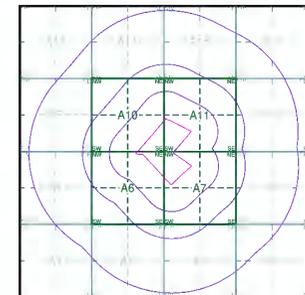
Bedrock Aquifers

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

Superficial Aquifers

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

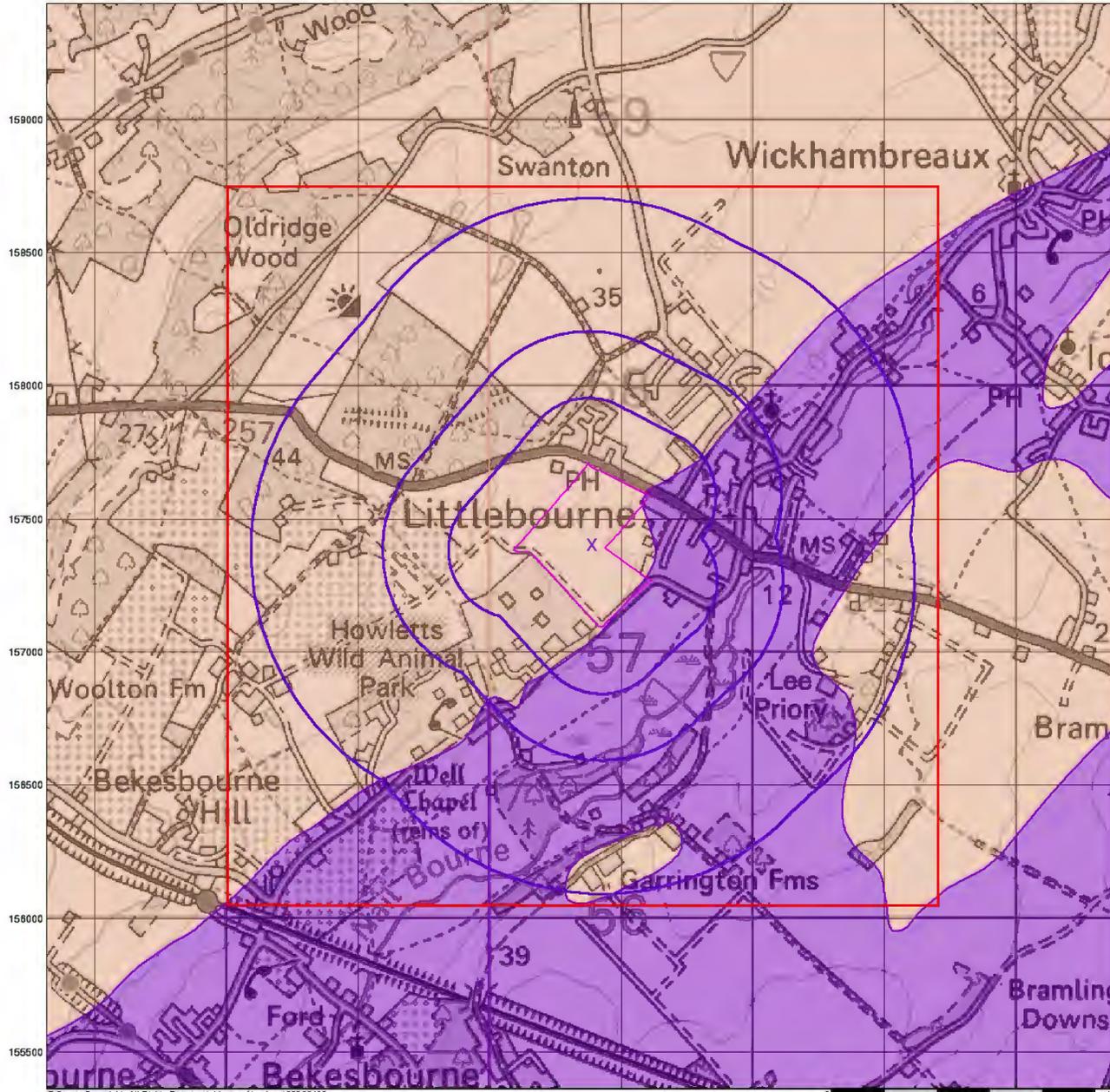
Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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

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Bedrock Aquifer Designation

General

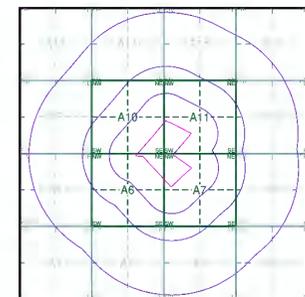
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

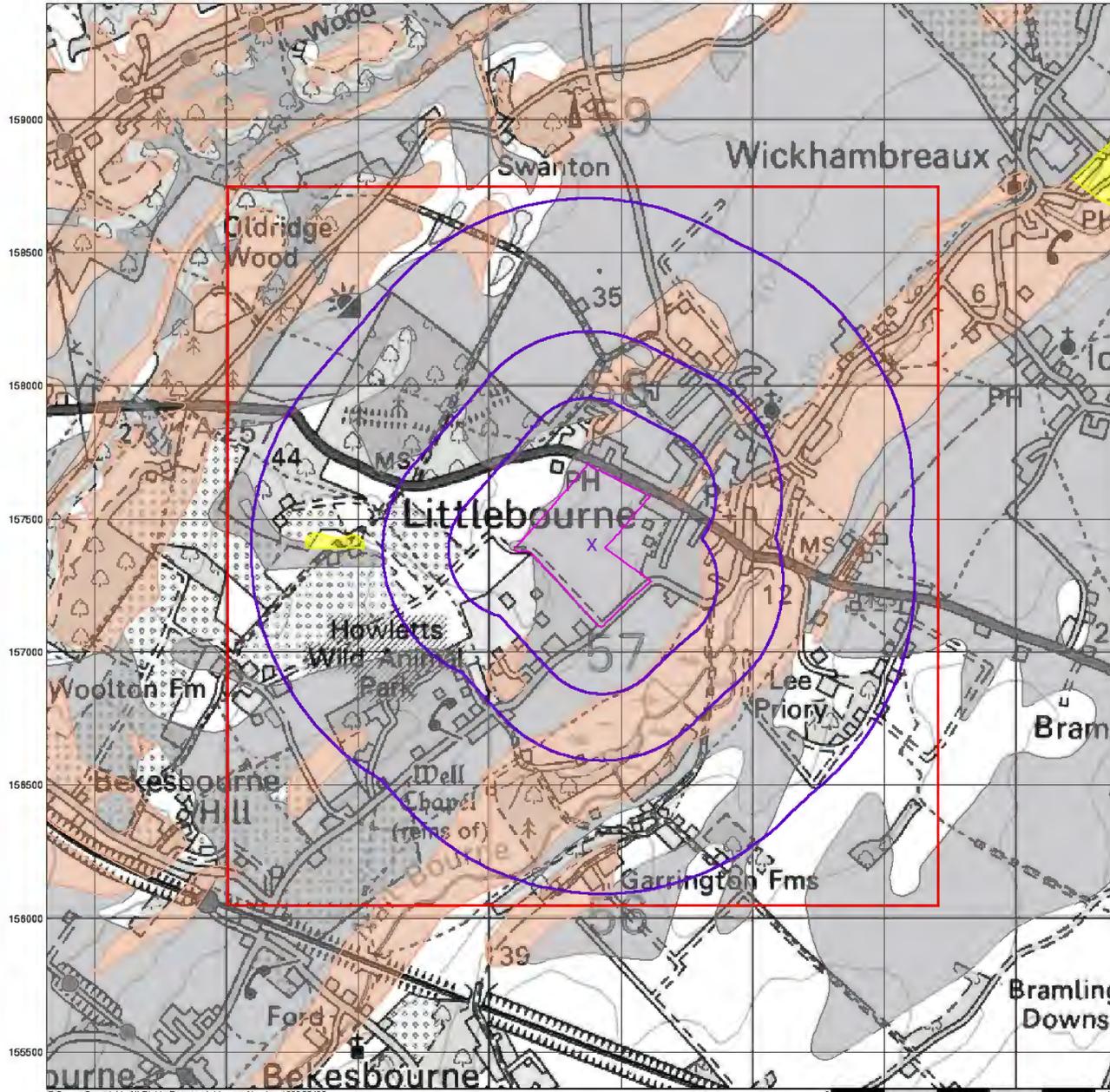
Site Details

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Superficial Aquifer Designation

General

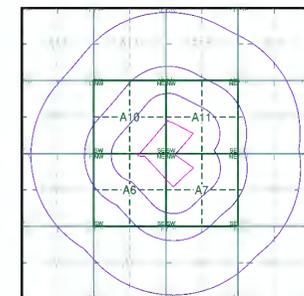
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

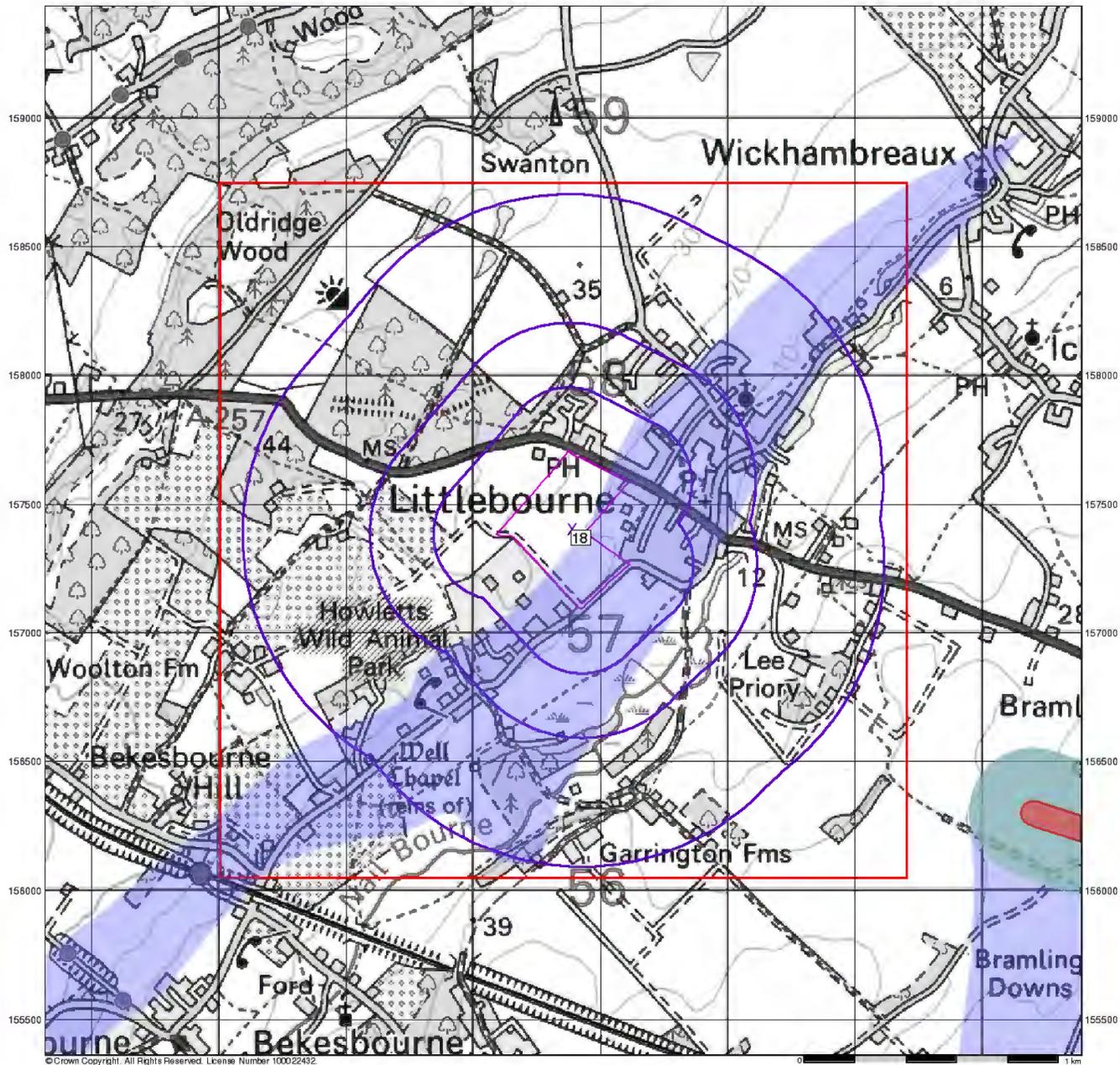
Site Details

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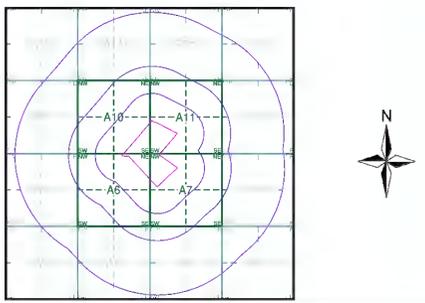
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Source Protection Zones

- 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

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

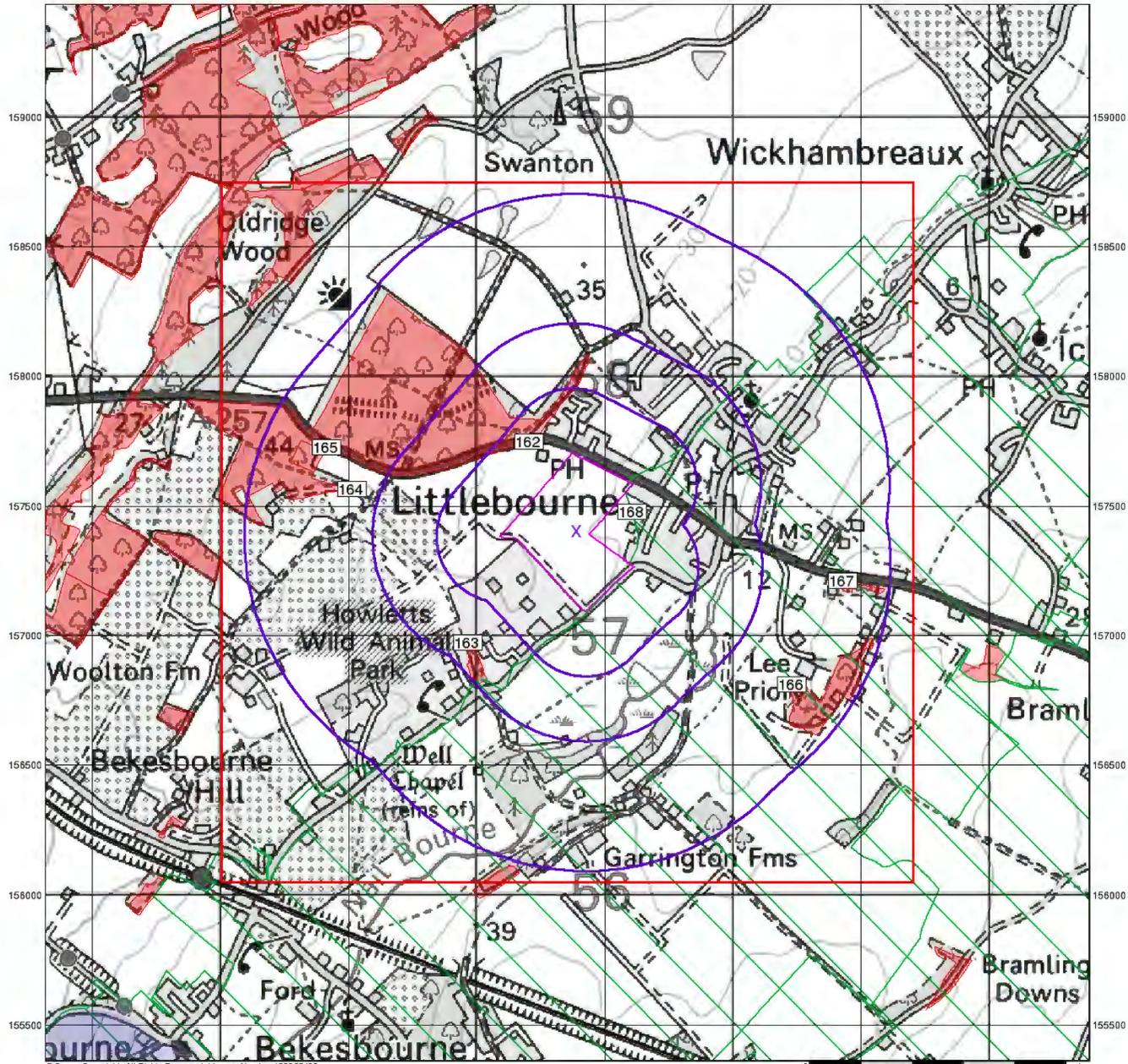
Site Details

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Sensitive Land Uses

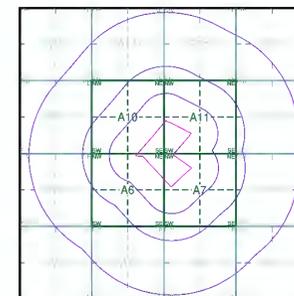
General

- 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: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

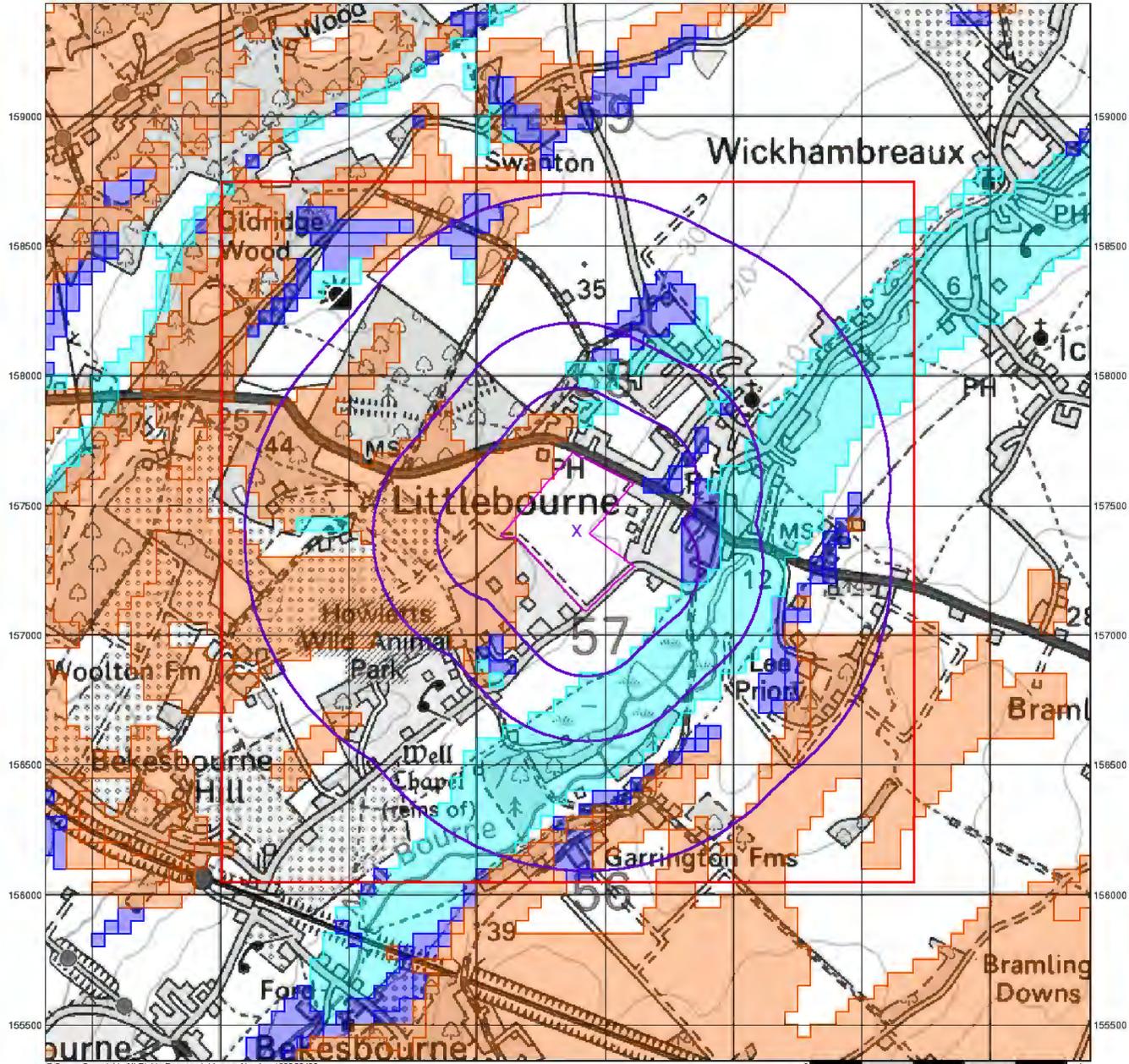
Site Details

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

619500 619000 619500 620000 620500 621000 621500 622000



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0 1 km



BGS Flood GFS Data

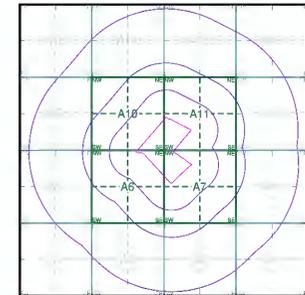
General

- 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: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

271084147_1_1

Customer Reference:

52212

National Grid Reference:

620390, 157400

Slice:

A

Site Area (Ha):

15.85

Search Buffer (m):

1000

Site Details:

8, Evenhill Road

Littlebourne

CANTERBURY

CT3 1TE

Client Details:

Miss S Gower

RSK Environment Ltd

18 Frogmore Road

Hemel Hempstead

Hertfordshire

HP3 9RT

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	31
Hazardous Substances	-
Geological	33
Industrial Land Use	38
Sensitive Land Use	41
Data Currency	42
Data Suppliers	47
Useful Contacts	48

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 2				2
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2	Yes			
Pollution Incidents to Controlled Waters	pg 2				2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 3			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 3				1
Substantiated Pollution Incident Register					
Water Abstractions	pg 4			7	16 (*37)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 19	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 19	1	n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 19	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 19	Yes	n/a	n/a	n/a
Source Protection Zones	pg 19	1			
Extreme Flooding from Rivers or Sea without Defences	pg 19		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 19		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 20	1	1	46	49

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 31	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 31			1	6
Potentially Infilled Land (Water)	pg 31		5	6	3
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 33	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 33	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 34			1	3
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 35	Yes	n/a	n/a	n/a
Mining Instability	pg 35	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 35			1	
Natural Cavities	pg 35				1
Non Coal Mining Areas of Great Britain	pg 35	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 36	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 36		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 36	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 36	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 36	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 37	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 37	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 37	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 38		6	2	10
Fuel Station Entries	pg 39		1		
Points of Interest - Commercial Services	pg 39				3
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 39		2		5
Points of Interest - Public Infrastructure	pg 40			4	1
Points of Interest - Recreational and Environmental	pg 40		1		
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	pg 41		1	1	4
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 41	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SE (NW)	0	1	620250 157550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (NE)	41	1	620650 157550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SW (W)	94	1	620000 157403
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NW (N)	99	1	620400 157800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SE (E)	141	1	620750 157550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SE (NE)	142	1	620750 157600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A7NE (SE)	177	1	620700 157100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SE (E)	186	1	620800 157403
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SE (NE)	203	1	620800 157650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6SE (SW)	227	1	620150 157050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NW (N)	247	1	620400 157950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SE (NE)	268	1	620850 157700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6SE (SW)	297	1	620100 157000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6SE (SW)	329	1	620150 156900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (N)	354	1	620450 158050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NW (N)	366	1	620600 158000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6SE (SW)	368	1	620050 156950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NE (NE)	395	1	620900 157850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A6SE (SW)	399	1	620100 156850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A6SE (SW)	402	1	620050 156900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (NE)	433	1	620950 157850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6SE (SW)	436	1	620050 156850

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	A6SW (SW)	439	1	620000 156900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	456	1	620600 158100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	463	1	620500 158150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NE (NE)	466	1	620950 157900
1	Discharge Consents Operator: Howletts & Port Lympne Estates Property Type: Undefined Or Other Location: Howletts Zoo Park, Bekesbourne Lane, CANTERBURY, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P04575 Permit Version: 1 Effective Date: 9th December 1992 Issued Date: 9th December 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A1NE (SW)	957	2	619588 156569
2	Discharge Consents Operator: Mr H.Louca Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Shrubwood, Lee Priory Farm, Littlebourne, Canterbury Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P01977 Permit Version: 1 Effective Date: 12th January 1989 Issued Date: 12th January 1989 Revocation Date: 31st March 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A8SE (SE)	968	2	621440 156760
	Nearest Surface Water Feature	A10SE (W)	0	-	620146 157413
3	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Bekesbourne Lane, LITTLEBOURNE Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Other Note: Elephant Sewage In Ditch From Howletts Zoo Incident Date: 21st April 1992 Incident Reference: CD/074/92 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A6SE (SW)	526	2	620020 156750
4	Pollution Incidents to Controlled Waters Property Type: Arable Location: Oast House At , Entrance To Lower Garrington Farm Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Diesel Tank Dripping To Ground Incident Date: 9th September 1997 Incident Reference: 297384 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A3NW (S)	715	2	620600 156400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Little Stour GQA Grade: River Quality A Reach: Wingham R Conf - Bekesbourne Estimated Distance (km): 6.4 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A7NE (SE)	368	2	620937 157088
5	River Quality Chemistry Sampling Points Name: Little Stour Reach: Wingham River Confluence To Bekesbourne Estimated Distance: 6.40 Objective: Not Supplied Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A12SW (E)	505	2	621100 157400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 9/40/04/0120/Sr Permit Version: 100 Location: Point B1 At Lee Priory Farm Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined In Red On Licence Map Authorised Start: 01 March Authorised End: 30 September Permit Start Date: 3rd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7NE (E)	388	2	621000 157300
6	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 9/40/04/0120/Sr Permit Version: 101 Location: Point B At Lee Priory Farm Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined In Red On Licence Map Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 4th February 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7NE (E)	393	2	621007 157263
7	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0075/Gr Permit Version: 102 Location: Point 1 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 24th October 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5NE (W)	432	2	619670 157300
7	<p>Water Abstractions</p> <p>Operator: Newmafruit Farms Lintied Licence Number: 9/40/04/0075/Gr Permit Version: 101 Location: Point 1 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 9th June 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5NE (W)	432	2	619670 157300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0075/Gr Permit Version: 100 Location: Point 1 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 114 Yearly Rate (m3): 2500 Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 18th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5NE (W)	432	2	619670 157300
8	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 9/40/04/0120/Sr Permit Version: 100 Location: Point B2 At Lee Priory Farm Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined In Red On Licence Map Authorised Start: 01 March Authorised End: 30 September Permit Start Date: 3rd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SE)	463	2	620900 156900
8	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 9/40/04/0120/Sr Permit Version: 101 Location: Point C At Lee Priory Farm Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined In Red On Licence Map Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 4th February 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SE)	476	2	620925 156904
9	<p>Water Abstractions</p> <p>Operator: Mr Rde Spencer Esq Licence Number: 9/40/04/0237/Sr Permit Version: 100 Location: Point A Near Well Chapel Springs Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Area W, As Hatched Red On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 4th October 1979 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A2NE (S)	537	2	620170 156620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>Water Abstractions</p> <p>Operator: Stephen & Ivan Dumbrell T/A Wingham Well Produce Licence Number: 12/059 Permit Version: 101 Location: Point X, River Little Stour & R. Nailbourne At Littlebourne. Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3NW (S)	554	2	620460 156540
10	<p>Water Abstractions</p> <p>Operator: Mrs A. M. Spencer Licence Number: 12/059 Permit Version: 100 Location: Point X, River Little Stour & R. Nailbourne At Littlebourne. Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 22727 Yearly Rate (m3): 8295355 Details: As Boldly Outlined On Licence Map. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th December 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3NW (S)	554	2	620460 156540
10	<p>Water Abstractions</p> <p>Operator: Mr Rde Spencer Esq Licence Number: 9/40/04/0237/Sr Permit Version: 100 Location: Point B Near Well Chapel Springs Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 414 Yearly Rate (m3): 9051 Details: Land Area X, Y And Z, As Hatched Red On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 4th October 1979 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A3NW (S)	554	2	620460 156540
11	<p>Water Abstractions</p> <p>Operator: Mr Rde Spencer Esq Licence Number: 9/40/04/0200/Sr Permit Version: 100 Location: Point A On The Silver Dyke At Lower Garrington Farm Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Edged Red On Licence Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3NE (SE)	585	2	620820 156660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p>Water Abstractions</p> <p>Operator: Stephen & Ivan Dumbrell T/A Wingham Well Produce Licence Number: 12/059 Permit Version: 101 Location: Point Y, River Little Stour & R. Nailbourne At Littlebourne. Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2NE (S)	610	2	620190 156530
12	<p>Water Abstractions</p> <p>Operator: Mrs A. M. Spencer Licence Number: 12/059 Permit Version: 100 Location: Point Y, River Little Stour & R. Nailbourne At Littlebourne. Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th December 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2NE (S)	610	2	620190 156530
13	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 9/40/04/0076/Gr Permit Version: 100 Location: Point A At Littlebourne Court Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Bodly Outlined On Licence Map Ammendment Number Two Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A15SE (N)	706	2	620740 158310
14	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 09/186 Permit Version: 100 Location: Point 1b, Trib. Lampen Stream, Littlebourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 20th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NE (N)	751	2	620150 158420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 9/40/04/0544/S Permit Version: 101 Location: Point 1, River Little Stour At Littlebourne. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 May Authorised End: 31 October Permit Start Date: 27th February 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NW (NE)	815	2	621340 157943
15	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 9/40/04/0544/S Permit Version: 100 Location: Point 1, River Little Stour At Littlebourne. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 300 Yearly Rate (m3): 4550 Details: As Boldly Outlined On Licence Map. Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 1st December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NW (NE)	819	2	621350 157930
16	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 09/186 Permit Version: 100 Location: Point 1a, Trib. Lampen Stream, Littlebourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 409 Yearly Rate (m3): 15000 Details: As Boldly Outlined On Licence Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 20th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NE (N)	877	2	620110 158540
16	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 09/186 Permit Version: 101 Location: Point A, Trib. Lampen Stream, Littlebourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 April Authorised End: 30 October Permit Start Date: 4th February 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NE (N)	882	2	620113 158546

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<p>Water Abstractions</p> <p>Operator: E H Holdstock & Son Licence Number: 09/185/Ca Permit Version: 100 Location: Point A, Trib. Lampen Stream, Littlebourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 409 Yearly Rate (m3): 15000 Details: As Boldly Outlined On Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 20th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NE (N)	882	2	620113 158546
17	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 09/186 Permit Version: 101 Location: Point B, Trib. Lampen Stream, Littlebourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 April Authorised End: 30 October Permit Start Date: 4th February 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NE (N)	950	2	620148 158626
17	<p>Water Abstractions</p> <p>Operator: E H Holdstock & Son Licence Number: 09/185/Ca Permit Version: 100 Location: Point B, Trib. Lampen Stream, Littlebourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 20th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NE (N)	950	2	620148 158626
	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0075/Gr Permit Version: 102 Location: Point 2 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 24th October 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5SW (SW)	1050	2	619200 156830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Newmafruit Farms Limited Licence Number: 9/40/04/0075/Gr Permit Version: 101 Location: Point 2 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 9th June 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5SW (SW)	1050	2	619200 156830
	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0075/Gr Permit Version: 100 Location: Point 2 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 18th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5SW (SW)	1050	2	619200 156830
	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 09/186 Permit Version: 101 Location: Point C, Trib. Lampen Stream, Littlebourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 April Authorised End: 30 October Permit Start Date: 4th February 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NW (N)	1059	2	619905 158653
	<p>Water Abstractions</p> <p>Operator: E H Holdstock & Son Licence Number: 09/185/Ca Permit Version: 100 Location: Point C, Trib. Lampen Stream, Littlebourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 20th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NW (N)	1059	2	619905 158653

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 09/186 Permit Version: 100 Location: Point 2, Trib. Lampen Stream, Littlebourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 20th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NW (N)	1059	2	619900 158650
	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0075/Gr Permit Version: 102 Location: Point 6 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 24th October 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5SW (W)	1133	2	619050 156940
	<p>Water Abstractions</p> <p>Operator: Newmafruit Farms Limited Licence Number: 9/40/04/0075/Gr Permit Version: 101 Location: Point 6 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 9th June 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5SW (W)	1133	2	619050 156940
	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0075/Gr Permit Version: 100 Location: Point 6 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 18th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5SW (W)	1133	2	619050 156940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0075/Gr Permit Version: 102 Location: Point 5 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 24th October 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5SW (W)	1167	2	619010 156950
	<p>Water Abstractions</p> <p>Operator: Newmafruit Farms Limited Licence Number: 9/40/04/0075/Gr Permit Version: 101 Location: Point 5 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 9th June 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5SW (W)	1167	2	619010 156950
	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0075/Gr Permit Version: 100 Location: Point 5 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 18th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5SW (W)	1167	2	619010 156950
	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0075/Gr Permit Version: 102 Location: Point 4 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 24th October 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1190	2	618970 156990

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Newmafruit Farms Limited Licence Number: 9/40/04/0075/Gr Permit Version: 101 Location: Point 4 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 9th June 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1190	2	618970 156990
	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0075/Gr Permit Version: 100 Location: Point 4 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 18th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1190	2	618970 156990
	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0075/Gr Permit Version: 102 Location: Point 3 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 24th October 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1203	2	618950 157010
	<p>Water Abstractions</p> <p>Operator: Newmafruit Farms Limited Licence Number: 9/40/04/0075/Gr Permit Version: 101 Location: Point 3 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 9th June 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1203	2	618950 157010

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0075/Gr Permit Version: 100 Location: Point 3 At Woolton Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land Shown Coloured Blue On Licence Map Authorised Start: 01 December Authorised End: 31 July Permit Start Date: 18th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1203	2	618950 157010
	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 9/40/04/0544/S Permit Version: 101 Location: Point 2, River Little Stour At Littlebourne. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 May Authorised End: 31 October Permit Start Date: 27th February 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16SE (NE)	1229	2	621635 158259
	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 9/40/04/0544/S Permit Version: 100 Location: Point 2, River Little Stour At Littlebourne. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 1st December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A16SE (NE)	1240	2	621660 158240
	<p>Water Abstractions</p> <p>Operator: H W Twyman Licence Number: So/040/0013/013 Permit Version: 1 Location: Little Stour At Littlebourne Authority: Environment Agency, Southern 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: 6th February 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16SE (NE)	1269	2	621642 158320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 9/40/04/0120/Sr Permit Version: 100 Location: Point A At Reynolds Place Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 764 Yearly Rate (m3): 13474 Details: As Boldly Outlined In Red On Licence Map Authorised Start: 01 March Authorised End: 30 September Permit Start Date: 3rd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16SE (NE)	1363	2	621700 158400
	<p>Water Abstractions</p> <p>Operator: H W Twyman Partnership Licence Number: 9/40/04/0120/Sr Permit Version: 101 Location: Point A At Reynolds Place Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined In Red On Licence Map Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 4th February 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16NE (NE)	1374	2	621700 158418
	<p>Water Abstractions</p> <p>Operator: Newmafruit Farms Limited Licence Number: 9/40/04/0407/G Permit Version: 101 Location: Point A, Beckesbourne & Littlebourne. Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 24th October 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1497	2	618680 156890
	<p>Water Abstractions</p> <p>Operator: H Mount & Sons Ltd Licence Number: 9/40/04/0407/G Permit Version: 100 Location: Point A, Beckesbourne & Littlebourne. Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map. Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 12th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1497	2	618680 156890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mrs A Hayes Licence Number: 9/40/04/0306/A/G Permit Version: 100 Location: Point A At Bekesbourne Hill Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Two Areas Of Land Edged Red On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 29th April 1978 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A1SW (SW)	1563	2	619200 156100
	<p>Water Abstractions</p> <p>Operator: Mrs A Hayes Licence Number: 9/40/04/0306/A/G Permit Version: 100 Location: Point A At Bekesbourne Hill Farm Authority: Environment Agency, Southern Region Abstraction: Private Water Supply: 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: Two Areas Of Land Edged Red On Licence Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 29th April 1978 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A1SW (SW)	1563	2	619200 156100
	<p>Water Abstractions</p> <p>Operator: E H Holdstock & Son Licence Number: 9/40/04/0010/Sr Permit Version: 100 Location: Point A, Lampen Stream At Elbridge Farm, Littlebourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 818 Yearly Rate (m3): 54552 Details: Four Areas Of Land Shown Edged Mauve And Coloured Variously On The Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 31st October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(N)	1578	2	619680 159120
	<p>Water Abstractions</p> <p>Operator: Mr P A Mansfield Licence Number: 9/40/04/0402/G Permit Version: 102 Location: Point B, Borehole At New Place Farm, Ickham Authority: Environment Agency, Southern 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: As Boldly Outlined On Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 27th February 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(E)	1619	2	622220 157740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr P A Mansfield Licence Number: 9/40/04/0402/G Permit Version: 102 Location: Point B, Borehole At New Place Farm, Ickham Authority: Environment Agency, Southern Region Abstraction: Agricultural Vegetable Wash Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 27th February 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(E)	1619	2	622220 157740
	<p>Water Abstractions</p> <p>Operator: Mr P Kelsey Licence Number: 9/40/04/0402/G Permit Version: 101 Location: Point B, Borehole At New Place Farm, Ickham Authority: Environment Agency, Southern 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: As Boldly Outlined On Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 12th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(E)	1619	2	622220 157740
	<p>Water Abstractions</p> <p>Operator: Mr P Kelsey Licence Number: 9/40/04/0402/G Permit Version: 101 Location: Point B, Borehole At New Place Farm, Ickham Authority: Environment Agency, Southern Region Abstraction: Agricultural Vegetable Wash Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 12th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(E)	1619	2	622220 157740
	<p>Water Abstractions</p> <p>Operator: Mr M J M Wyant Licence Number: 9/40/04/0402/G Permit Version: 100 Location: Point B, Borehole At New Place Farm, Ickham Authority: Environment Agency, Southern 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: As Boldly Outlined On Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 17th May 1982 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1619	2	622220 157740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr M J M Wyant Licence Number: 9/40/04/0402/G Permit Version: 100 Location: Point B, Borehole At New Place Farm, Ickham Authority: Environment Agency, Southern Region Abstraction: Agricultural Vegetable Wash Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Licence Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 17th May 1982 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(E)	1619	2	622220 157740
	<p>Water Abstractions</p> <p>Operator: E H Holdstock & Son Licence Number: 9/40/04/0010/Sr Permit Version: 100 Location: Point B, Lampen Stream At Elbridge Farm, Littlebourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Four Areas Of Land Shown Edged Mauve And Coloured Variously On The Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 31st October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(N)	1717	2	620050 159390
	<p>Water Abstractions</p> <p>Operator: Adrian Scripps Ltd Licence Number: So/040/0009/019 Permit Version: 1 Location: Underground Strata At Wenderton Farm Authority: Environment Agency, Southern Region Abstraction: Trickle Irrigation 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: 16th December 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(E)	1922	2	622536 157295
	<p>Water Abstractions</p> <p>Operator: E H Holdstock & Son Licence Number: 9/40/04/0010/Sr Permit Version: 100 Location: Point C, Lampen Stream At Elbridge Farm, Littlebourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Four Areas Of Land Shown Edged Mauve And Coloured Variously On The Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 31st October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(N)	1961	2	620510 159660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	A11SW (E)	0	3	620607 157476
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	A11SW (N)	0	3	620391 157403
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	A10SE (NW)	0	3	620246 157574
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	A11SW (N)	0	3	620391 157403
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A11SW (E)	0	3	620607 157476
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11SW (N)	0	3	620391 157403
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A11SW (N)	0	3	620391 157403
18	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.	A7NW (SE)	0	2	620425 157370
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A7NE (E)	219	2	620833 157279
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A7NE (E)	225	2	620839 157285

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 551.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A7NW (S)	0	4	620390 157393
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1142.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A10NE (N)	185	4	620245 157836
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A7SE (SE)	258	4	620695 156994
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A7SW (S)	266	4	620592 156885
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A11SE (E)	267	4	620874 157555
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6NW (SW)	281	4	619883 157186
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A7SW (SE)	285	4	620636 156898
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A11SE (E)	289	4	620897 157560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A11SE (E)	290	4	620898 157561
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A7SW (S)	293	4	620610 156865
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A11SE (E)	308	4	620916 157585
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A11SE (E)	308	4	620917 157586
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 591.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A7NE (E)	329	4	620940 157193
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 316.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 2	A7NE (SE)	352	4	620951 157163
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A7SW (S)	354	4	620531 156755
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 346.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6NW (SW)	364	4	619818 157132
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 151.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A7SE (SE)	367	4	620883 157014

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6SW (SW)	367	4	619932 157052
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 187.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Silver Dike Catchment Name: Stour Kent Primacy: 1	A7SE (SE)	383	4	620912 157023
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 135.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A11SE (E)	384	4	620992 157551
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A7SW (S)	387	4	620617 156755
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A7SE (SE)	395	4	620813 156916
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 86.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A11SE (E)	405	4	621013 157603
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6SW (SW)	411	4	619949 156995
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 127.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A7SE (SE)	411	4	620829 156907
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A3NW (S)	412	4	620588 156714

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A3NW (S)	415	4	620592 156713
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A7SE (SE)	416	4	620736 156815
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A7SE (SE)	420	4	620743 156814
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 2	A7SE (SE)	421	4	620743 156814
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6SW (SW)	424	4	619908 156981
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6SW (SW)	425	4	619958 156965
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 2	A7SE (SE)	425	4	620745 156810
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 424.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nail Bourne Catchment Name: Stour Kent Primacy: 1	A3NW (S)	430	4	620575 156689
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A3NW (S)	430	4	620575 156689

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A5NE (W)	434	4	619669 157292
55	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 32.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A5NE (W)	435	4	619667 157295
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6SW (SW)	438	4	619950 156954
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6SW (SW)	438	4	619950 156954
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A5NE (W)	452	4	619646 157319
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A5NE (W)	454	4	619643 157322
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 122.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A12SW (E)	460	4	621062 157659
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 265.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A10SW (W)	468	4	619680 157601
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6SW (SW)	476	4	619966 156883

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6SW (SW)	479	4	619969 156874
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A3NW (S)	480	4	620428 156613
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A5NE (W)	486	4	619609 157353
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6SW (SW)	486	4	619974 156858
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 338.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6SW (SW)	507	4	619991 156808
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 181.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Silver Dike Catchment Name: Stour Kent Primacy: 1	A7SE (SE)	509	4	620927 156862
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 565.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 2	A12SW (E)	515	4	621122 157532
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 176.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A12SW (E)	515	4	621122 157532
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 406.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Silver Dike Catchment Name: Stour Kent Primacy: 1	A7SE (SE)	525	4	620821 156745

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A2NE (S)	528	4	620347 156572
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A2NE (S)	531	4	620340 156570
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A5NE (W)	554	4	619540 157382
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A5NE (W)	554	4	619540 157382
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 239.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A6SW (SW)	554	4	619804 156909
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A2NE (S)	564	4	620265 156553
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A2NE (S)	564	4	620266 156552
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 475.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A12SW (E)	582	4	621180 157697
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 551.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A10NW (NW)	585	4	619782 157911

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A9SE (W)	590	4	619505 157402
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A2NE (S)	592	4	620203 156544
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 2	A2NE (S)	592	4	620203 156544
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A2NE (S)	594	4	620201 156543
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A2NE (S)	595	4	620206 156540
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A2NE (S)	596	4	620204 156540
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 289.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A2NW (SW)	621	4	619918 156698
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A2NE (S)	638	4	620145 156519
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 187.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 2	A2NE (S)	641	4	620138 156518

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A2NE (S)	641	4	620143 156517
91	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 76.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nail Bourne Catchment Name: Stour Kent Primacy: 1	A3NW (S)	641	4	620403 156452
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 276.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A5NE (W)	680	4	619414 157396
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A5NE (W)	680	4	619414 157396
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A8SW (SE)	686	4	621234 156970
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A8SW (SE)	686	4	621234 156969
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A8SW (SE)	687	4	621235 156970
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 747.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nail Bourne Catchment Name: Stour Kent Primacy: 1	A3NW (S)	705	4	620365 156391
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A2NE (S)	748	4	620097 156420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 118.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A14SE (N)	775	4	620022 158394
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 2	A12NE (E)	827	4	621421 157737
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A14NE (N)	835	4	620091 158490
102	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 144.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A14NE (N)	848	4	620102 158507
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A4NW (SE)	857	4	621220 156658
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 2	A12NE (NE)	899	4	621412 157987
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 135.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 2	A12NE (NE)	899	4	621412 157987
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A4NW (SE)	914	4	621279 156637
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 163.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A9SW (W)	928	4	619168 157437

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A9SW (W)	930	4	619165 157433
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 1	A16SE (NE)	938	4	621406 158076
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Little Stour Catchment Name: Stour Kent Primacy: 2	A16SE (NE)	938	4	621406 158076
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 247.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 2	A12NE (E)	954	4	621526 157846
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A14NE (N)	967	4	620147 158644
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 347.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A14NE (N)	981	4	620155 158659
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A8SE (SE)	990	4	621510 156844
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 379.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Kent Primacy: 1	A8SE (SE)	993	4	621470 156761

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Canterbury City Council - Has supplied landfill data		0	5	620391 157403
	Local Authority Landfill Coverage Name: Kent County Council - Had landfill data but passed it to the relevant environment agency		0	6	620391 157403
116	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A6SE (SW)	294	-	620165 156934
117	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A2NE (S)	535	-	620179 156617
118	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A3SW (S)	753	-	620597 156360
119	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A3SW (S)	758	-	620634 156364
120	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A9SW (W)	789	-	619323 157551
121	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A12NW (NE)	843	-	621300 158066
122	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A3SW (S)	949	-	620453 156145
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1877	A7NE (E)	153	-	620739 157353
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1877	A7NE (E)	163	-	620756 157346
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1877	A7NE (E)	210	-	620818 157312
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1877	A7NE (E)	244	-	620857 157291
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A11SE (E)	247	-	620848 157520
128	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A11SE (E)	268	-	620875 157554
129	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A11SE (E)	298	-	620894 157498
130	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A11SE (E)	322	-	620927 157532
131	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A3NW (S)	458	-	620434 156635
132	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A11NE (NE)	471	-	620919 157938

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898</p>	A11NE (NE)	479	-	620979 157887
134	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898</p>	A11NE (NE)	536	-	621004 157946
135	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898</p>	A12NW (NE)	577	-	621057 157946
136	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898</p>	A12NW (NE)	609	-	621059 157993

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thanet Sand Formation	A11SW (N)	0	1	620391 157403
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (N)	0	1	620391 157403
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A6SE (S)	125	1	620337 157000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A6SW (SW)	370	1	620000 157000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A2NE (S)	420	1	620262 156706
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7SE (SE)	466	1	620998 157000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A2NW (SW)	680	1	620000 156559

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A2NE (S)	766	1	620020 156441
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A3SW (S)	800	1	620479 156295
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A3SE (S)	877	1	620730 156270
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A3SW (S)	990	1	620500 156106
137	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Lackenden Wood Gravel Pit</p> <p>Location: Littlebourne, Canterbury, Kent</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Reference: 117404</p> <p>Type: Opencast</p> <p>Status: Ceased</p> <p>Operator: Unknown Operator</p> <p>Operator Location: Not Supplied</p> <p>Periodic Type: Quaternary</p> <p>Geology: Head</p> <p>Commodity: Sand and Gravel</p> <p>Positional Accuracy: Located by supplier to within 10m</p>	A6SE (SW)	293	1	620158 156944
138	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Upper Garrington Farm Gravel Pit</p> <p>Location: Littlebourne, Canterbury, Kent</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Reference: 117936</p> <p>Type: Opencast</p> <p>Status: Ceased</p> <p>Operator: Unknown Operator</p> <p>Operator Location: Not Supplied</p> <p>Periodic Type: Quaternary</p> <p>Geology: River Terrace Deposits, 2</p> <p>Commodity: Sand and Gravel</p> <p>Positional Accuracy: Located by supplier to within 10m</p>	A2NE (S)	527	1	620168 156632

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
139	BGS Recorded Mineral Sites Site Name: Court Wood Sand Pit Location: Littlebourne, Canterbury, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 117044 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Thanetian Geology: Thanet Formation Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A9SW (W)	819	1	619296 157567
140	BGS Recorded Mineral Sites Site Name: Littlebourne Mill Gravel Pit Location: Littlebourne, Canterbury, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 117450 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Alluvium Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A16SE (NE)	924	1	621370 158106
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A11SW (N)	0	7	620391 157403
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A11SW (N)	0	-	620391 157403
	Man-Made Mining Cavities Easting: 620000 Northing: 157000 Distance: 370 Quadrant Reference: A6 Quadrant Reference: SW Bearing Ref: SW Cavity Type: Possible Crown Hole Collapses Commodity: Chalk Solid Geology Detail: Thanet Sand Formation, Chalk Group Superficial Geology: River Terrace Deposits Detail:	A6SW (SW)	370	8	620000 157000
	Natural Cavities Easting: 620400 Northing: 156300 Distance: 794 Quadrant Reference: A3 Quadrant Reference: SW Bearing Ref: S Cavity Type: Solution Pipe x 3 Solid Geology Detail: Chalk Group Superficial Geology: No Details Detail:	A3SW (S)	794	8	620400 156300
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A11SW (N)	0	1	620391 157403
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A11SW (E)	0	1	620607 157476
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A10SW (W)	94	1	620000 157403

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (NW)	0	1	620246 157574
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SW (N)	0	1	620391 157403
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	61	1	620670 157577
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SW (W)	94	1	620000 157403
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NE (E)	195	1	620802 157370
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A7NE (SE)	203	1	620735 157095
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (N)	0	1	620391 157403
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10SW (W)	94	1	620000 157403
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A7NE (SE)	203	1	620735 157095
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (N)	0	1	620391 157403
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SW (E)	0	1	620404 157401
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A11SW (E)	0	1	620607 157476
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10SW (W)	94	1	620000 157403
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NE (E)	104	1	620754 157327
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A7NE (E)	195	1	620802 157370
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (N)	0	1	620391 157403
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SW (W)	94	1	620000 157403
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SE (NW)	0	1	620246 157574
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (N)	0	1	620391 157403
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	61	1	620670 157577
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10SW (W)	94	1	620000 157403

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Potential for Running Sand Ground Stability Hazards</p> <p>Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service</p>	A7NE (E)	195	1	620802 157370
	<p>Potential for Running Sand Ground Stability Hazards</p> <p>Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service</p>	A7NE (SE)	203	1	620735 157095
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service</p>	A11SW (N)	0	1	620391 157403
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service</p>	A11SW (NE)	61	1	620670 157577
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service</p>	A10SW (W)	94	1	620000 157403
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service</p>	A7NE (E)	195	1	620802 157370
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service</p>	A7NE (SE)	203	1	620735 157095
	<p>Radon Potential - Radon Affected Areas</p> <p>Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service</p>	A11SW (E)	0	1	620530 157449
	<p>Radon Potential - Radon Affected Areas</p> <p>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</p>	A11SW (N)	0	1	620391 157403
	<p>Radon Potential - Radon Protection Measures</p> <p>Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service</p>	A11SW (E)	0	1	620530 157449
	<p>Radon Potential - Radon Protection Measures</p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service</p>	A11SW (N)	0	1	620391 157403

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	<p>Contemporary Trade Directory Entries</p> <p>Name: Maid Esie Location: 5, The Hill, Littlebourne, Canterbury, Kent, CT3 1TA Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SW (NE)	68	-	620661 157540
142	<p>Contemporary Trade Directory Entries</p> <p>Name: Peter Warr Location: 6, Newing Close, Littlebourne, Canterbury, Kent, CT3 1UX Classification: Glass Engravers & Decorators Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SW (N)	68	-	620498 157717
143	<p>Contemporary Trade Directory Entries</p> <p>Name: Ackrill Automotives Location: 19, High Street, Littlebourne, Canterbury, Kent, CT3 1SX Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (E)	200	-	620778 157476
143	<p>Contemporary Trade Directory Entries</p> <p>Name: Canterbury Classics Location: 19, High Street, Littlebourne, Canterbury, Kent, CT3 1SX Classification: Classic Car Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (E)	200	-	620778 157476
143	<p>Contemporary Trade Directory Entries</p> <p>Name: Ackrill Automotives Forecourt Services Location: 19, High Street, Littlebourne, Canterbury, Kent, CT3 1SX Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (E)	200	-	620778 157476
144	<p>Contemporary Trade Directory Entries</p> <p>Name: Boiler Know How (Kent) Ltd Location: 3, Jubilee Road, Littlebourne, Canterbury, Kent, CT3 1TR Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (NE)	238	-	620821 157691
145	<p>Contemporary Trade Directory Entries</p> <p>Name: G A Carcare Location: Court Meadows, Littlebourne, Canterbury, Kent, CT3 1XX Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A11NE (NE)	397	-	620772 157948
146	<p>Contemporary Trade Directory Entries</p> <p>Name: Bio Clean Carpet Services Location: 3, The Green, Littlebourne, Canterbury, Kent, CT3 1UU Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NE (E)	408	-	621015 157342
147	<p>Contemporary Trade Directory Entries</p> <p>Name: Canterbury Bears Location: Unit 1, Builders Square, Court Hill, Littlebourne, Canterbury, Kent, CT3 1XU Classification: Toys, Games & Sporting Goods - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A11NE (NE)	534	-	620978 157970
147	<p>Contemporary Trade Directory Entries</p> <p>Name: S & K Milligan Location: Unit 1C, Builders Square, Court Hill, Littlebourne, Canterbury, Kent, CT3 1XU Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11NE (NE)	534	-	620978 157970
147	<p>Contemporary Trade Directory Entries</p> <p>Name: Protex Location: Unit 2, Builders Square, Court Hill, Littlebourne, Canterbury, CT3 1XU Classification: Car Washing & Polishing Equipment & Supplies Status: Active Positional Accuracy: Automatically positioned to the address</p>	A11NE (NE)	535	-	620994 157955
147	<p>Contemporary Trade Directory Entries</p> <p>Name: Elite Blinds & Shutters Location: Unit 3-4, Builders Square, Court Hill, Littlebourne, Canterbury, CT3 1XU Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address</p>	A11NE (NE)	541	-	621005 157952

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	Contemporary Trade Directory Entries Name: Hayward Design & Print Location: Unit 3-4, Builders Square, Court Hill, Littlebourne, Canterbury, CT3 1XU Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A11NE (NE)	541	-	621005 157952
147	Contemporary Trade Directory Entries Name: Nailbourne Forge Ltd Location: Unit 6, Builders Square, Court Hill, Littlebourne, Canterbury, CT3 1XU Classification: Blacksmiths & Forgemasters Status: Active Positional Accuracy: Automatically positioned to the address	A11NE (NE)	555	-	621015 157961
147	Contemporary Trade Directory Entries Name: Justso Location: Unit 7b, Builders Square, Court Hill, Littlebourne, Canterbury, Kent, CT3 1XU Classification: T-Shirts Status: Inactive Positional Accuracy: Manually positioned to the address or location	A11NE (NE)	562	-	620998 157989
147	Contemporary Trade Directory Entries Name: Littlebourne Woodcraft Location: Unit 7b, Builders Square, Court Hill, Littlebourne, Canterbury, Kent, CT3 1XU Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (NE)	569	-	621003 157994
147	Contemporary Trade Directory Entries Name: Logiforce Ltd Location: Unit 7c, Builders Square, Court Hill, Littlebourne, Canterbury, Kent, CT3 1XU Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (NE)	576	-	621010 157997
148	Contemporary Trade Directory Entries Name: Littlebourne Autos Location: 38, Nargate Street, Littlebourne, Canterbury, Kent, CT3 1UJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (NE)	667	-	621243 157791
149	Fuel Station Entries Name: Ackrill Automotive Location: High Street, Littlebourne, Canterbury, Kent, CT3 1SX Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A11SE (E)	200	-	620778 157476
150	Points of Interest - Commercial Services Name: Nailbourne Forge Ltd Location: Court Hill, Littlebourne, Canterbury, CT3 1TX Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A11NE (NE)	568	9	621010 157985
150	Points of Interest - Commercial Services Name: Nailbourne Forge Ltd Location: Unit 6 Builders Square, Court Hill, Littlebourne, Canterbury, CT3 1XU Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A11NE (NE)	568	9	621010 157985
150	Points of Interest - Commercial Services Name: Logiforce Location: Unit 7c Builders Square, Court Hill, Littlebourne, Canterbury, CT3 1XU Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A11NE (NE)	576	9	621010 157997
151	Points of Interest - Manufacturing and Production Name: Tank Location: CT4 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A6NE (SW)	15	9	620204 157302
152	Points of Interest - Manufacturing and Production Name: Avivastone Granites Location: Manor Farm Barn, Bekesbourne Lane, Littlebourne, CT3 1UY Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A7NW (SE)	102	9	620690 157196

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	Points of Interest - Manufacturing and Production Name: Sheep Wash Location: CT3 Category: Farming Class Code: Sheep Dips and Washes Positional Accuracy: Positioned to address or location	A3NW (S)	565	9	620477 156530
154	Points of Interest - Manufacturing and Production Name: Sheep Wash Location: CT3 Category: Farming Class Code: Sheep Dips and Washes Positional Accuracy: Positioned to address or location	A3NW (S)	635	9	620606 156484
155	Points of Interest - Manufacturing and Production Name: Tank Location: CT3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SE (N)	697	9	620746 158297
156	Points of Interest - Manufacturing and Production Name: R D E Spencer Location: Garrington, Littlebourne, Canterbury, CT3 1XQ Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A3SW (S)	821	9	620678 156312
157	Points of Interest - Manufacturing and Production Name: Tank Location: CT3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (E)	999	9	621563 156953
158	Points of Interest - Public Infrastructure Name: Jutish Burial Ground Location: CT3 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A6SE (SW)	390	9	620087 156877
158	Points of Interest - Public Infrastructure Name: Jutish Burial Ground Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A6SE (SW)	394	9	620086 156873
159	Points of Interest - Public Infrastructure Name: Sluice Location: CT3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6NW (W)	419	9	619685 157290
159	Points of Interest - Public Infrastructure Name: Sluice Location: CT3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A5NE (W)	446	9	619657 157291
160	Points of Interest - Public Infrastructure Name: Sluice Location: CT3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	547	9	621154 157628
161	Points of Interest - Recreational and Environmental Name: Play Area Location: CT3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A11SE (NE)	156	9	620764 157602

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	Ancient Woodland Name: Pine Wood Reference: 1501099 Area(m ²): 349707.99 Type: Ancient and Semi-Natural Woodland	A10NE (NW)	147	10	620204 157748
163	Ancient Woodland Name: Lackenden Wood Reference: 1501016 Area(m ²): 6130.76 Type: Ancient and Semi-Natural Woodland	A6SW (SW)	415	10	619965 156971
164	Ancient Woodland Name: Pine Wood Reference: 1501485 Area(m ²): 120210.63 Type: Ancient and Semi-Natural Woodland	A9SE (W)	611	10	619511 157564
165	Ancient Woodland Name: Pine Wood Reference: 1501339 Area(m ²): 9902.18 Type: Ancient and Semi-Natural Woodland	A9SE (W)	763	10	619413 157726
166	Ancient Woodland Name: Not Supplied Reference: 1501093 Area(m ²): 42240.06 Type: Ancient and Semi-Natural Woodland	A8SW (SE)	764	10	621230 156812
167	Ancient Woodland Name: Not Supplied Reference: 1501026 Area(m ²): 3256.68 Type: Ancient and Semi-Natural Woodland	A8NE (E)	811	10	621427 157212
168	Nitrate Vulnerable Zones Name: Patrixbourne Description: Groundwater Source: Environment Agency, Head Office	A11SW (E)	0	3	620607 157476

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Canterbury City Council - Environmental Health Department Dover District Council - Environmental Health Department Environment Agency - Head Office	April 2014 January 2015 June 2020	Annual Rolling Update Annual Rolling Update Annually
Discharge Consents Environment Agency - Southern Region	October 2020	Quarterly
Enforcement and Prohibition Notices Environment Agency - Southern Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Southern Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region	October 2020 October 2020	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Canterbury City Council - Environmental Health Department Dover District Council - Environmental Health Department	July 2014 June 2014	Variable Variable
Local Authority Pollution Prevention and Controls Canterbury City Council - Environmental Health Department Dover District Council - Environmental Health Department	July 2014 June 2014	Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Canterbury City Council - Environmental Health Department Dover District Council - Environmental Health Department	July 2014 June 2014	Variable Variable
Nearest Surface Water Feature Ordnance Survey	October 2020	
Pollution Incidents to Controlled Waters Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Southern Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Southern Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Southern Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	October 2020 October 2020 October 2020	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region	October 2020	Quarterly
Water Industry Act Referrals Environment Agency - Southern 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

Agency & Hydrological	Version	Update Cycle
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	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2020	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2020	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	September 2020	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	September 2020	Quarterly
Flood Defences Environment Agency - Head Office	September 2020	Quarterly
OS Water Network Lines Ordnance Survey	September 2020	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	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	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	October 2020 October 2020 October 2020	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	October 2020 October 2020 October 2020	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Canterbury City Council - Environmental Health Department Dover District Council - Environmental Health Department Kent County Council - Waste Management Group	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Canterbury City Council - Environmental Health Department Dover District Council - Environmental Health Department Kent County Council - Waste Management Group	June 2003 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	March 2003 March 2003	Not Applicable Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Dover District Council - Planning Department Canterbury City Council - Development Control Kent County Council	April 2016 February 2016 January 2016	Variable Variable Variable
Planning Hazardous Substance Consents Dover District Council - Planning Department Canterbury City Council - Development Control Kent County Council	April 2016 February 2016 January 2016	Variable Variable Variable

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	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	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	October 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	September 2020	Quarterly
Gas Pipelines National Grid	September 2020	
Points of Interest - Commercial Services PointX	December 2020	Quarterly
Points of Interest - Education and Health PointX	December 2020	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2020	Quarterly
Points of Interest - Public Infrastructure PointX	December 2020	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2020	Quarterly
Underground Electrical Cables National Grid	August 2020	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2020	Bi-Annually
Areas of Adopted Green Belt Canterbury City Council - Development Control Dover District Council - Planning Department	June 2020 June 2020	As notified As notified
Areas of Unadopted Green Belt Canterbury City Council - Development Control Dover District Council - Planning Department	June 2020 June 2020	As notified As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2020	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	May 2020	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	September 2020	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	 <p>British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p>Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Canterbury City Council - Environmental Health Department Council Offices, Military Road, Canterbury, Kent, CT1 1YW	Telephone: 01227 862 000 Fax: 01227 785 705 Website: www.canterbury.gov.uk
6	Kent County Council - Waste Management Group Block H, The Forstal, Beddow Way, Aylesford, Kent, ME20 7BT	Telephone: 01622 605976 Website: www.kent.gov.uk
7	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	Stantec UK Ltd Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
9	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	ALV	Alluvium	Clay, Silt, Sand And Peat	Not Supplied - Holocene
	HEAD	Head	Clay and Silt	Not Supplied - Quaternary
	RTD2	River Terrace Deposits, 2	Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	RTD3	River Terrace Deposits, 3	Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Gravel, Sand, Silt and Clay	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	HWH	Harwich Formation	Sand and Gravel	Not Supplied - Ypresian
	TAB	Thanet Formation	Sand, Silt and Clay	Not Supplied - Thanetian
	LMBE	Lambeth Group	Sand	Not Supplied - Thanetian
	MACK	Margate Chalk Member	Chalk	Not Supplied - Santonian
	SECK	Seaford Chalk Formation	Chalk	Not Supplied - Coniacian
		Faults		



Geology 1:50,000 Maps

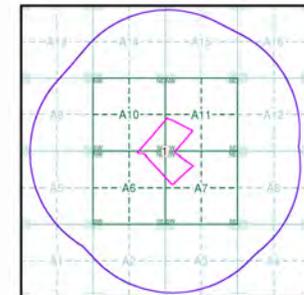
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	289
Map Name:	Canterbury
Map Date:	1982
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Not Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

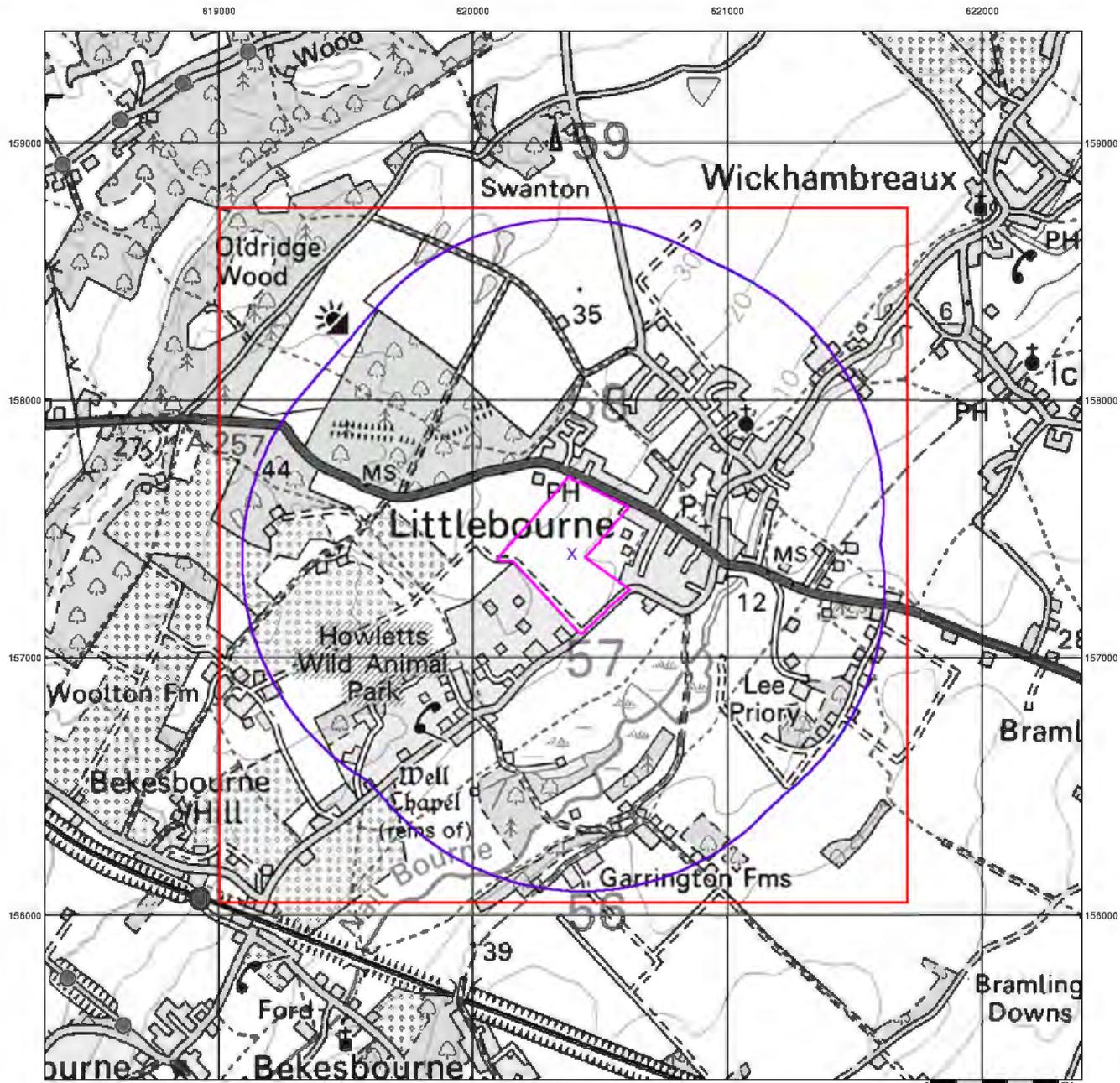
Order Number:	271084147_1_1
Customer Reference:	52212
National Grid Reference:	620390, 157400
Site:	A
Site Area (Ha):	15.85
Search Buffer (m):	1000

Site Details:

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE

Landmark
INFORMATION GROUP

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



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Artificial Ground and Landslip

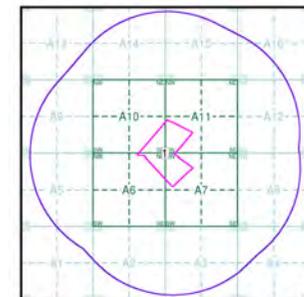
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

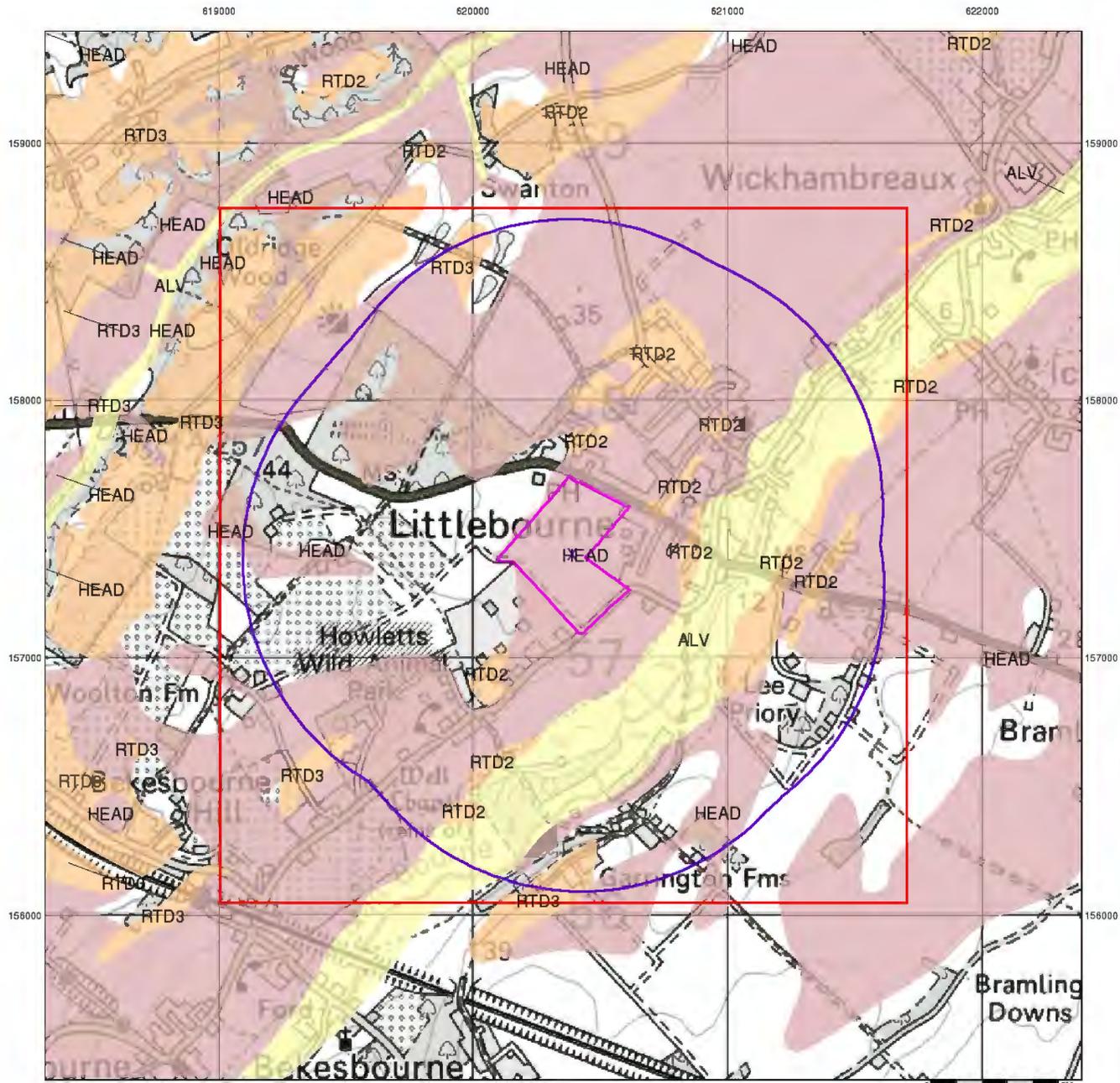
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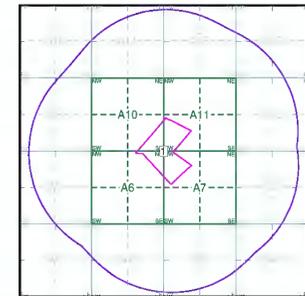
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

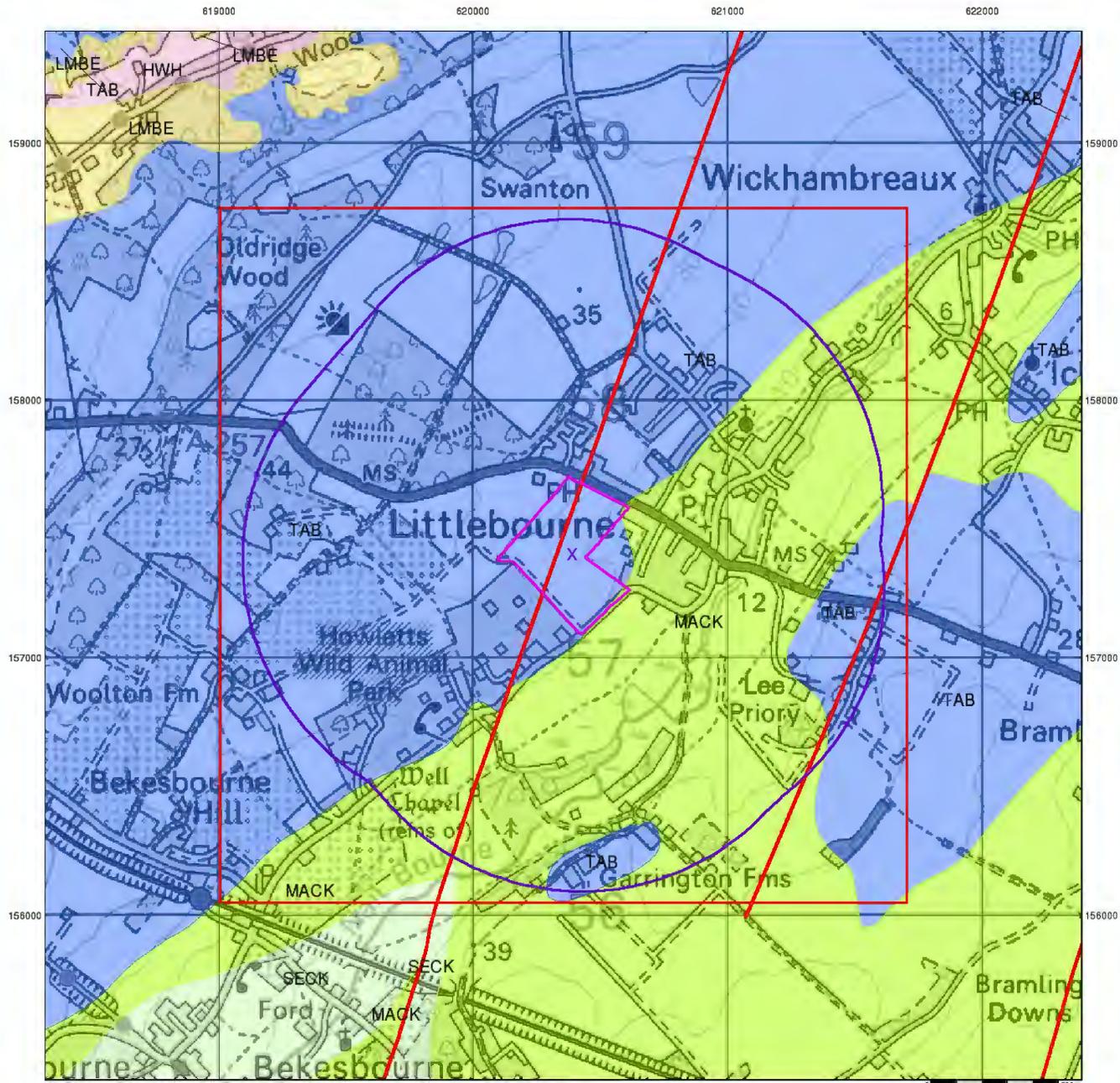
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Bedrock and Faults

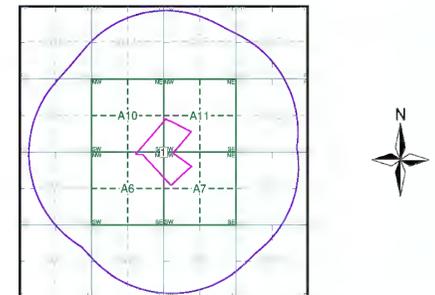
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

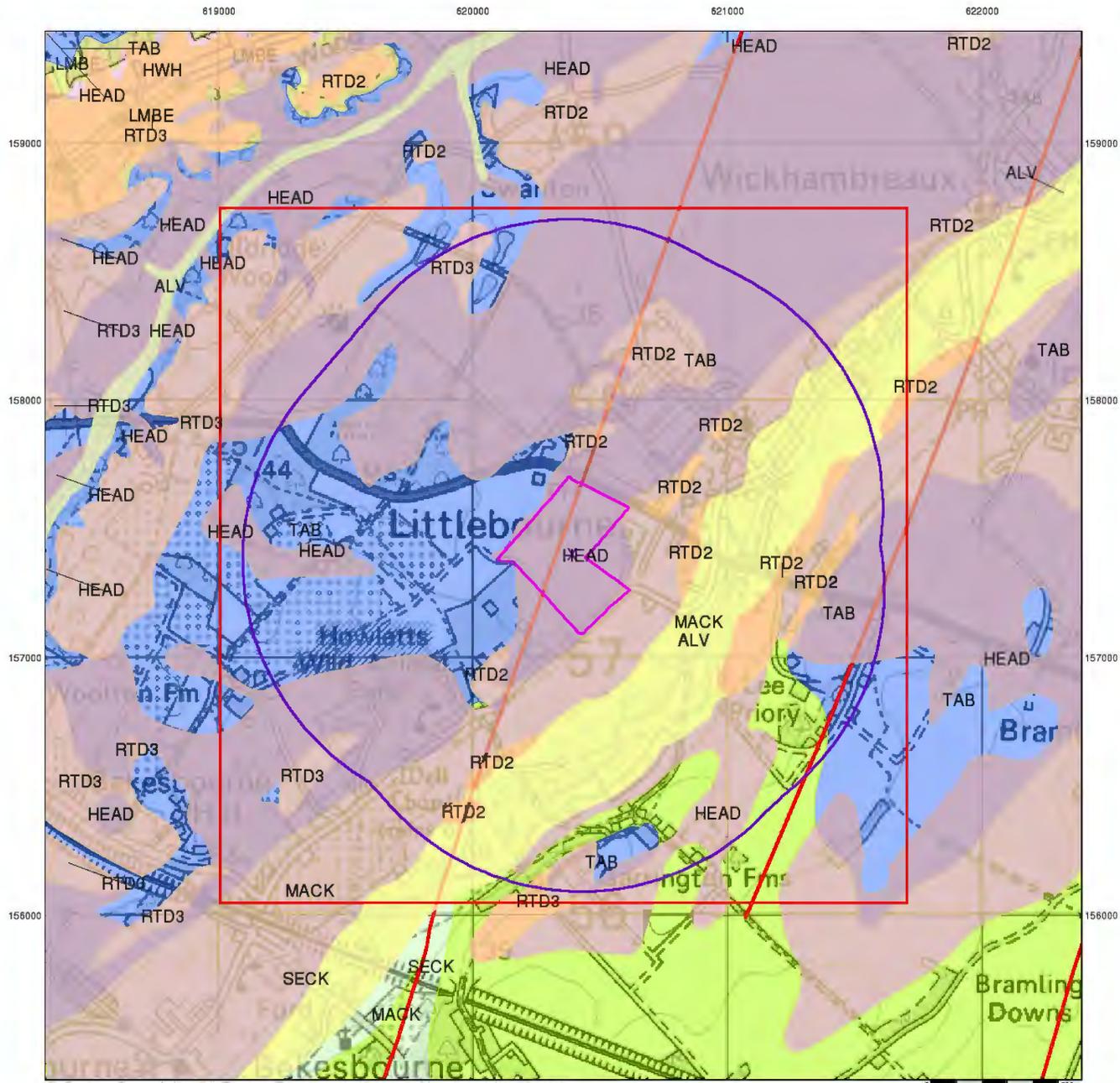
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Combined Surface Geology

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

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

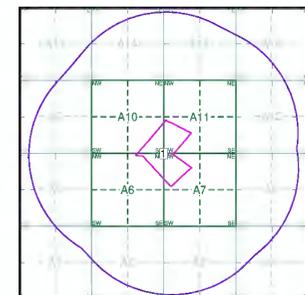
Additional Information

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

Contact

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

Combined Geology Map - Slice A



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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				
	Co. Boro. Bdy. County Borough Boundary (England)				
	Co. Burgh Bdy. County Burgh Boundary (Scotland)				
	R.D. Bdy. Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		Bracken
	Heath		Rough Grassland
	Marsh		Reeds
	Saltings		
	Building		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

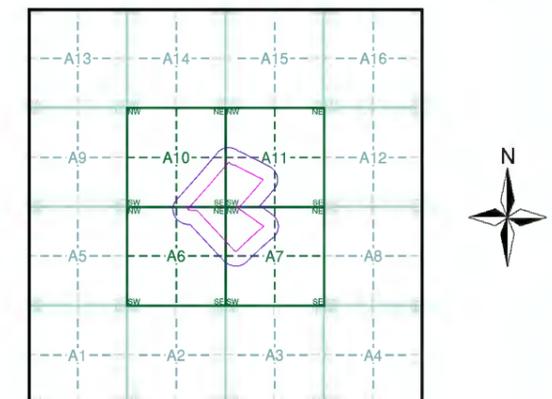
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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) BM 123.45 m		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:10,560	1877	2
Kent	1:10,560	1898	3
Kent	1:10,560	1908	4
Kent	1:10,560	1938	5
Historical Aerial Photography	1:10,560	1947 - 1949	6
Kent	1:10,560	1951	7
Ordnance Survey Plan	1:10,000	1960 - 1962	8
Ordnance Survey Plan	1:10,000	1972 - 1977	9
Ordnance Survey Plan	1:10,000	1979	10
Ordnance Survey Plan	1:10,000	1989	11
Ordnance Survey Plan	1:10,000	1991	12
10K Raster Mapping	1:10,000	1999	13
10K Raster Mapping	1:10,000	2006	14
VectorMap Local	1:10,000	2020	15

Historical Map - Slice A



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

Site Details

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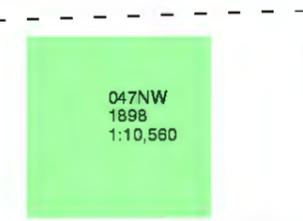
Kent

Published 1898

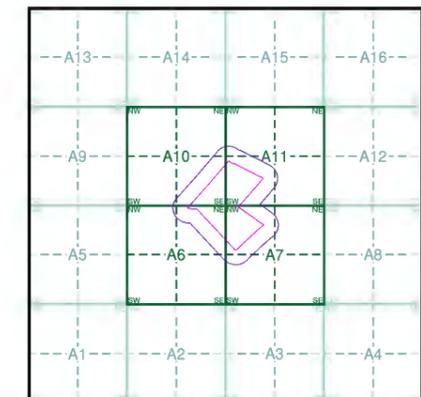
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

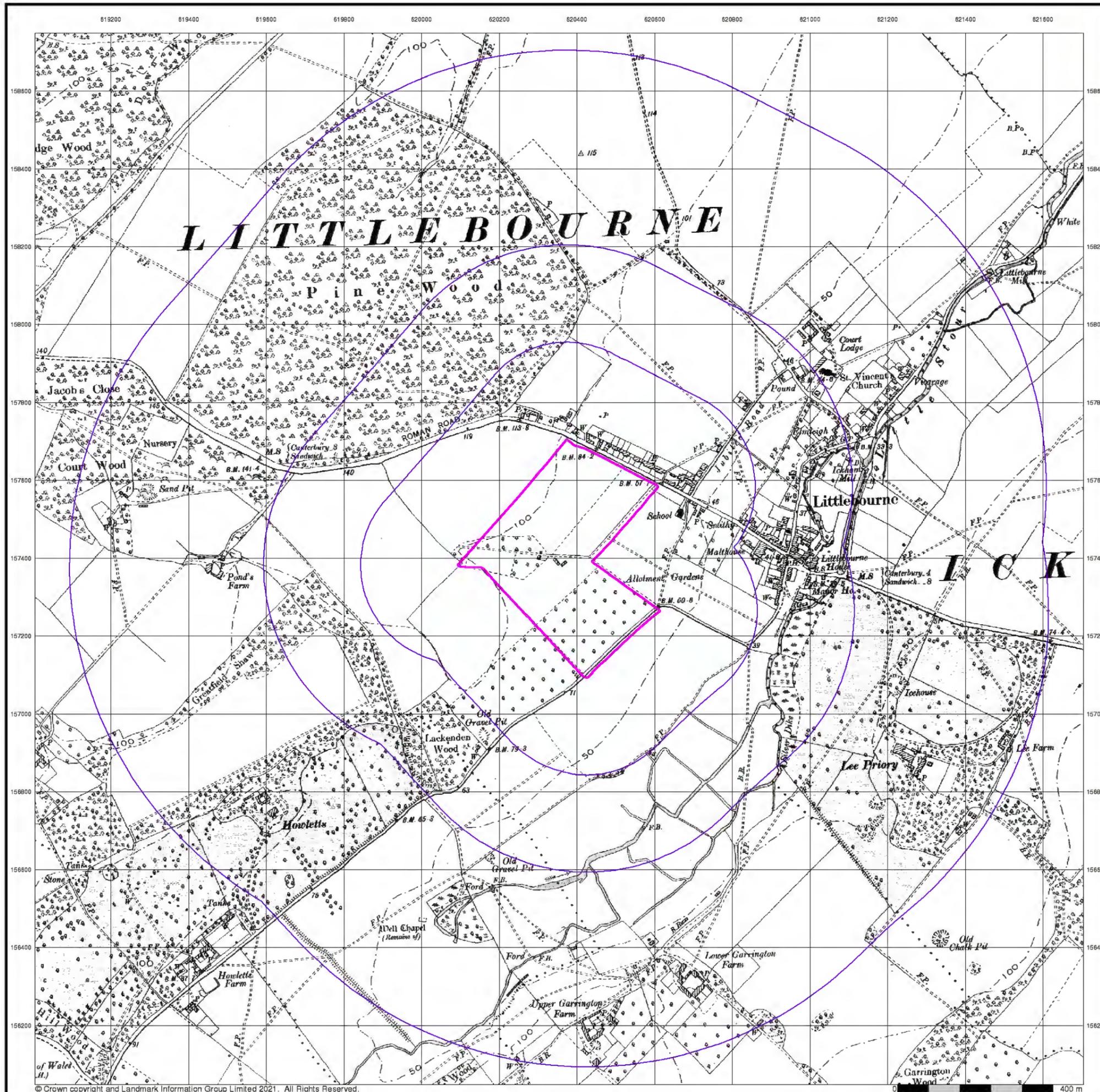
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Kent

Published 1908

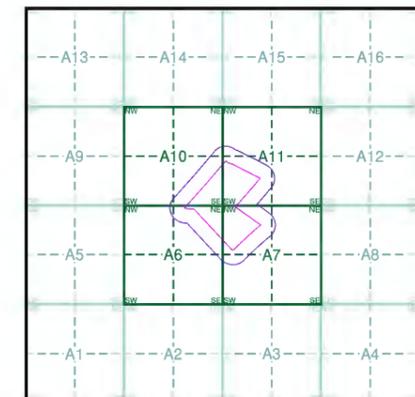
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Historical Map - Slice A



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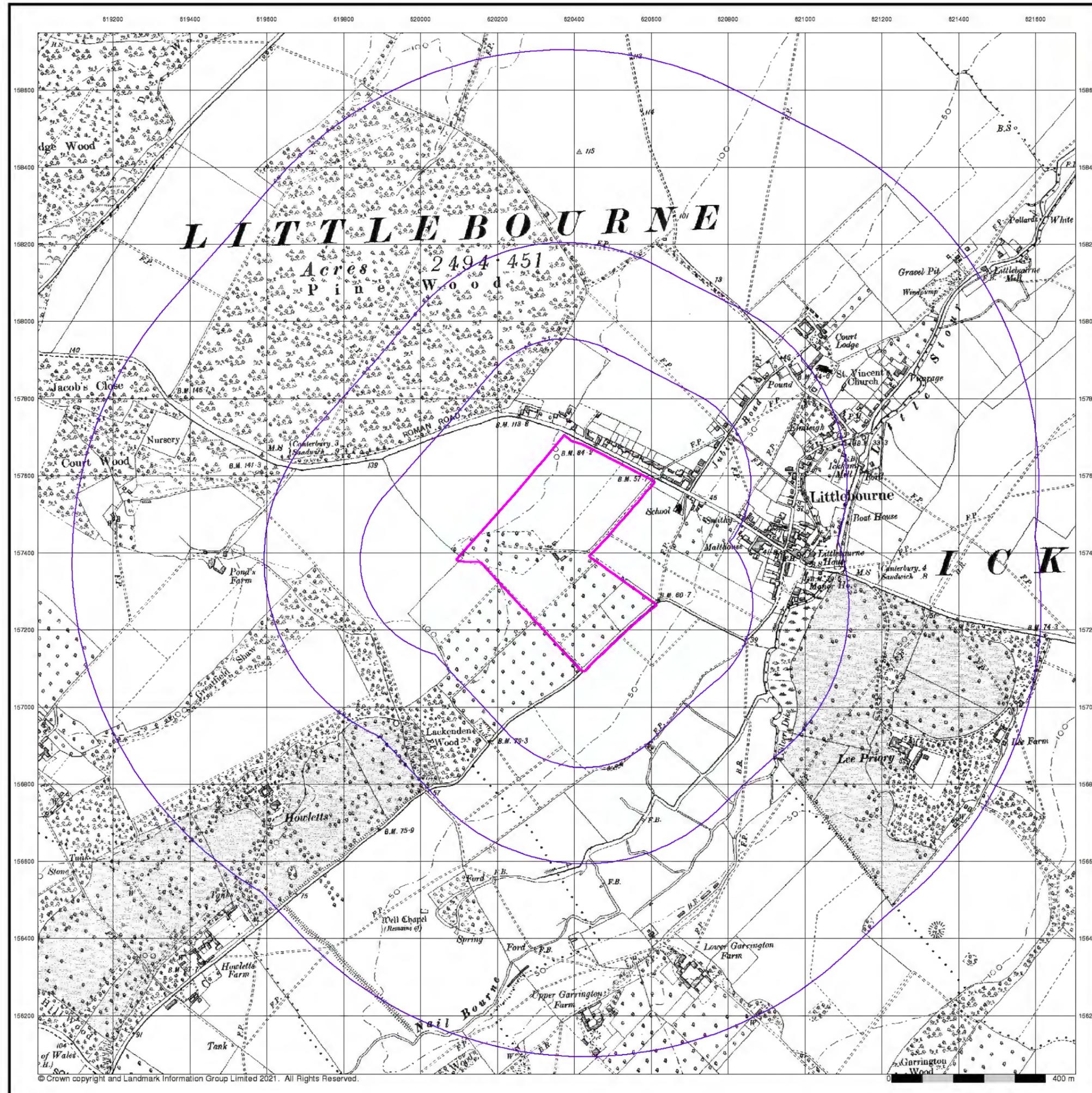
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Kent

Published 1938

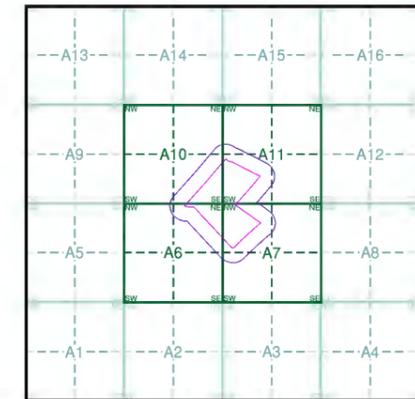
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

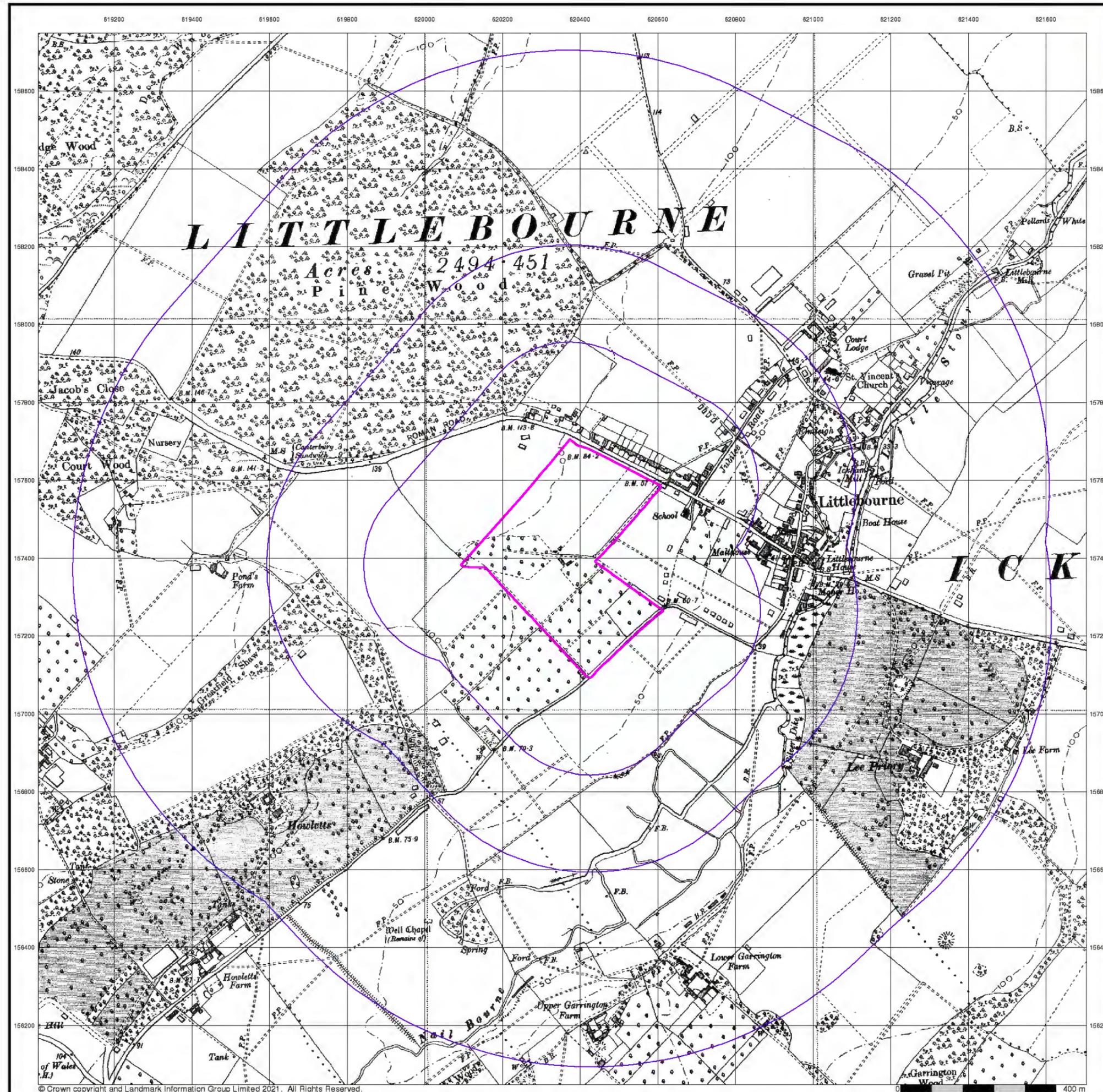
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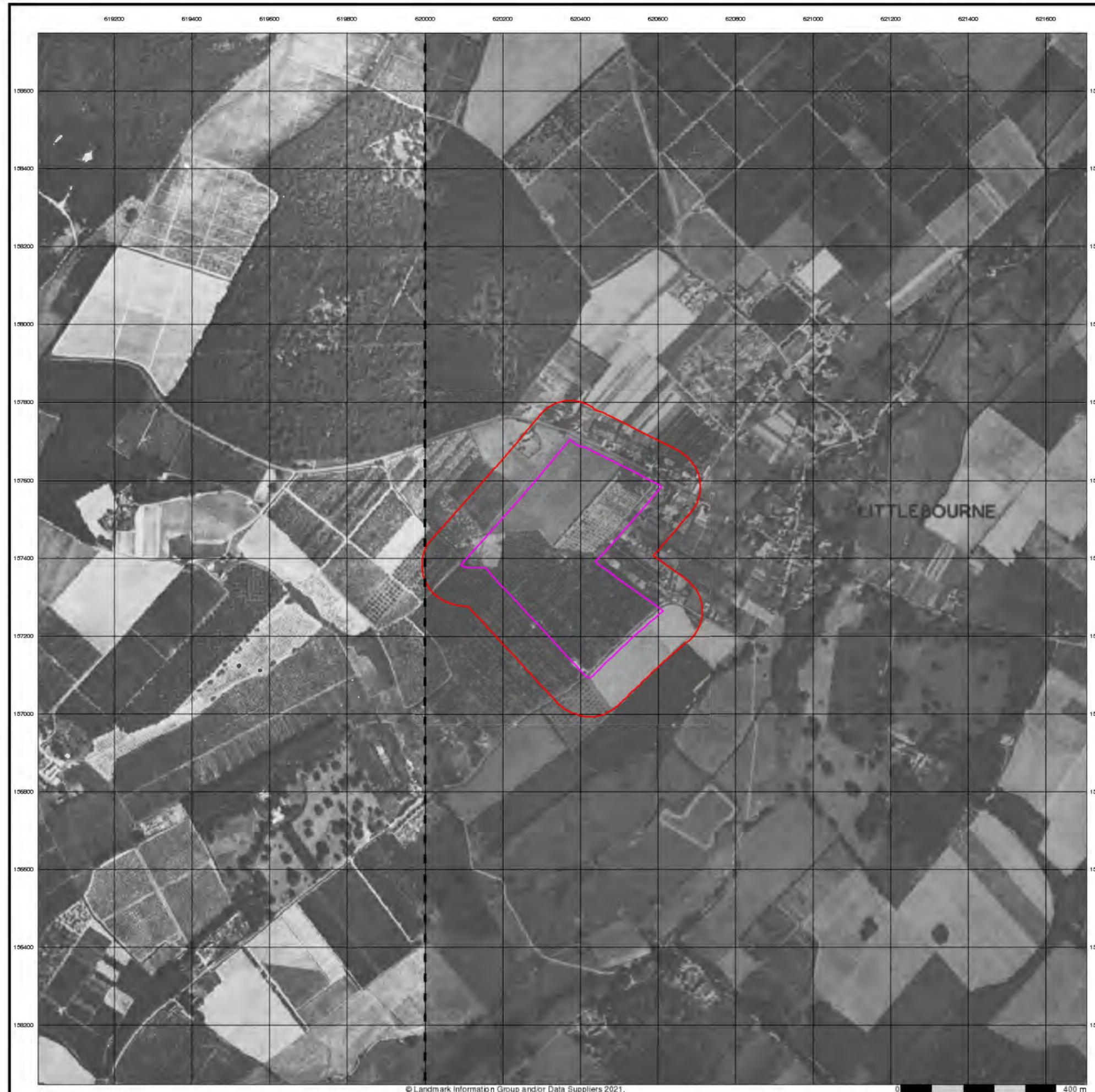
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Historical Aerial Photography

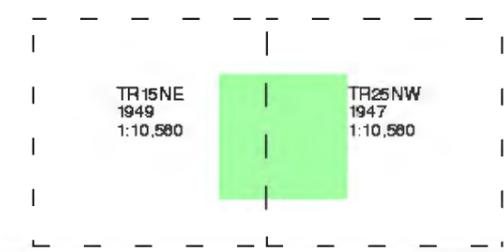
Published 1947 - 1949

Source map scale - 1:10,560

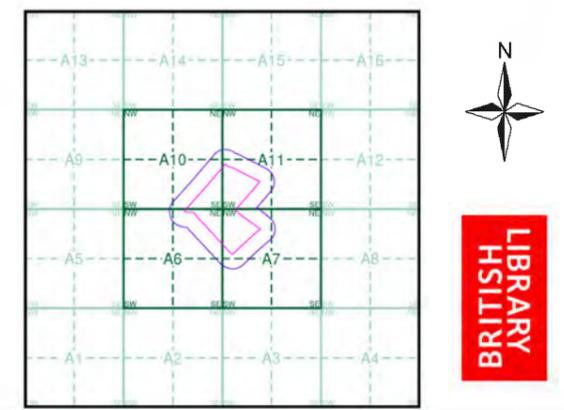
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



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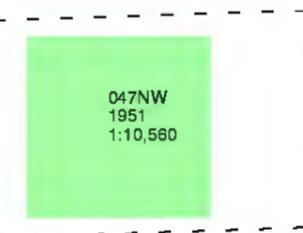
Kent

Published 1951

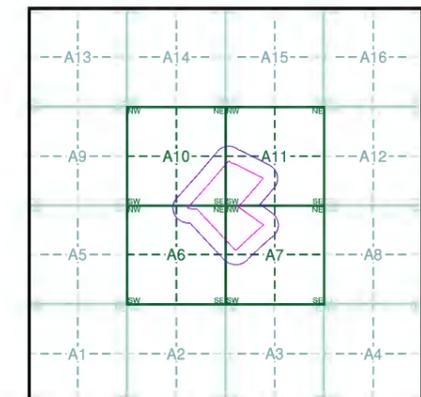
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



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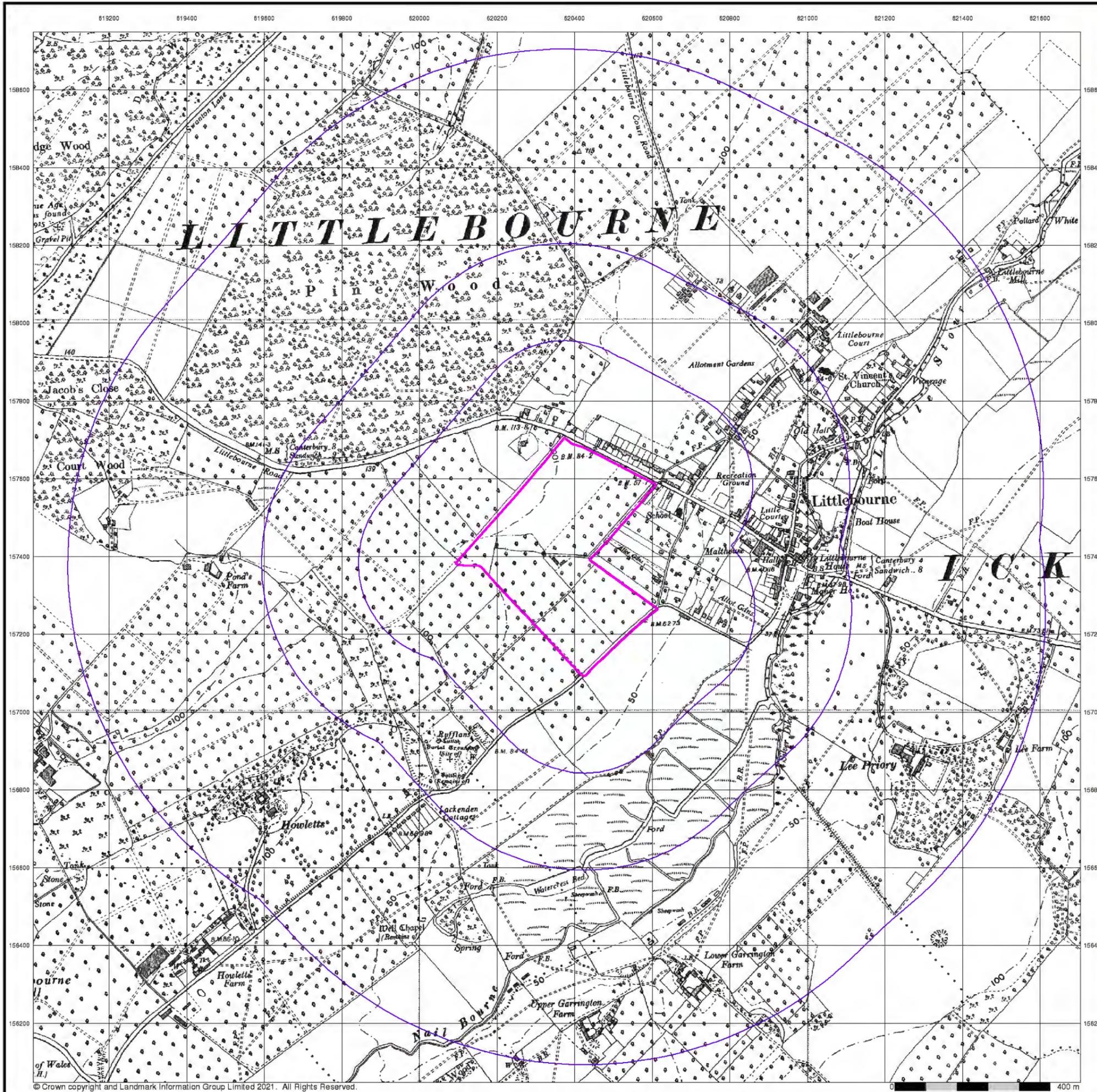
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Slice: A
Site Area (Ha): 15.85
Search Buffer (m): 1000

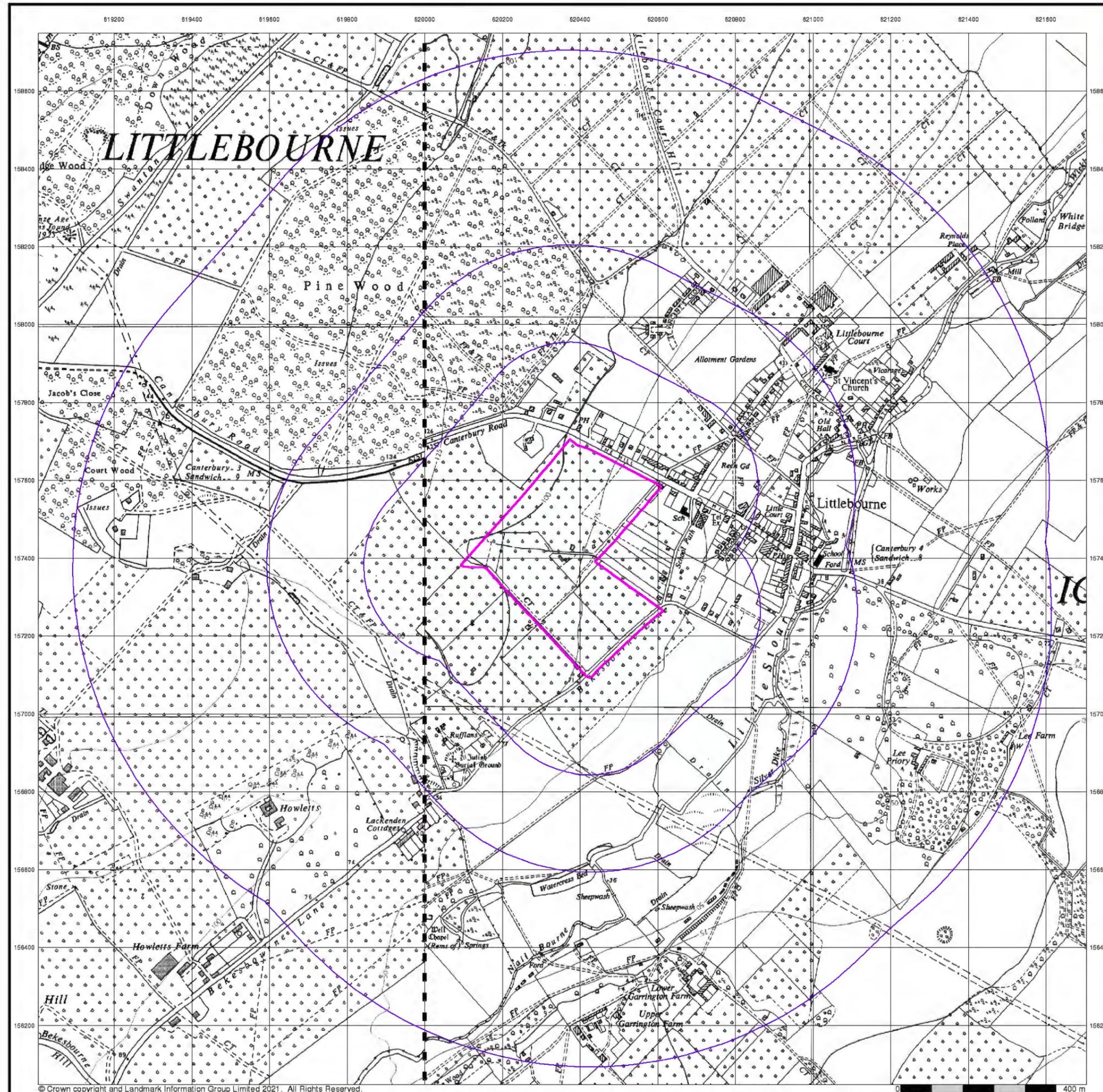
Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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

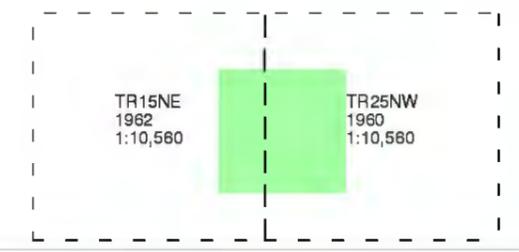




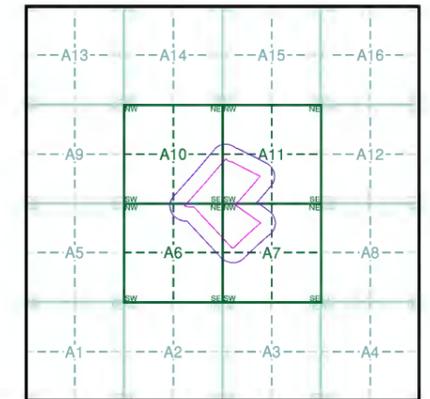
Ordnance Survey Plan
Published 1960 - 1962
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

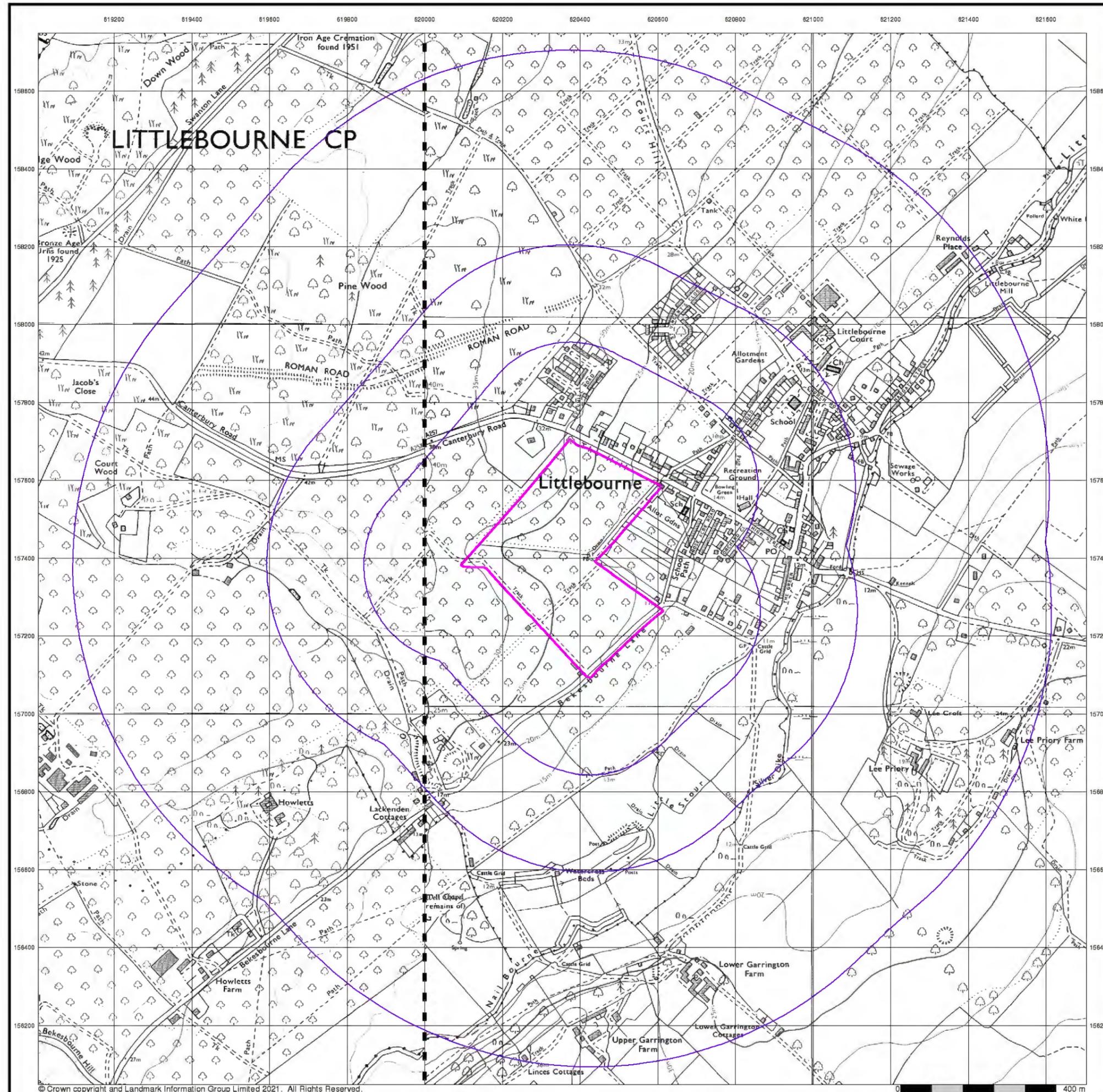
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 National Grid Reference: 620390, 157400
 Slice: A
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 Search Buffer (m): 1000

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



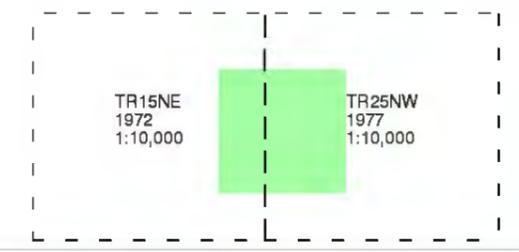
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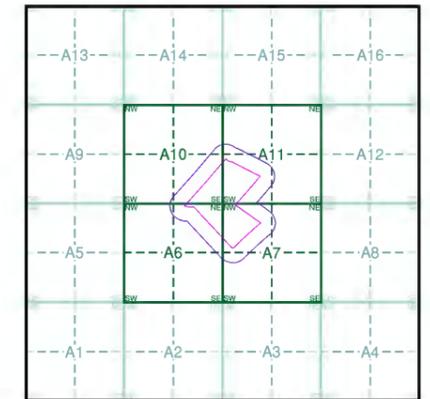
Ordnance Survey Plan
Published 1972 - 1977
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

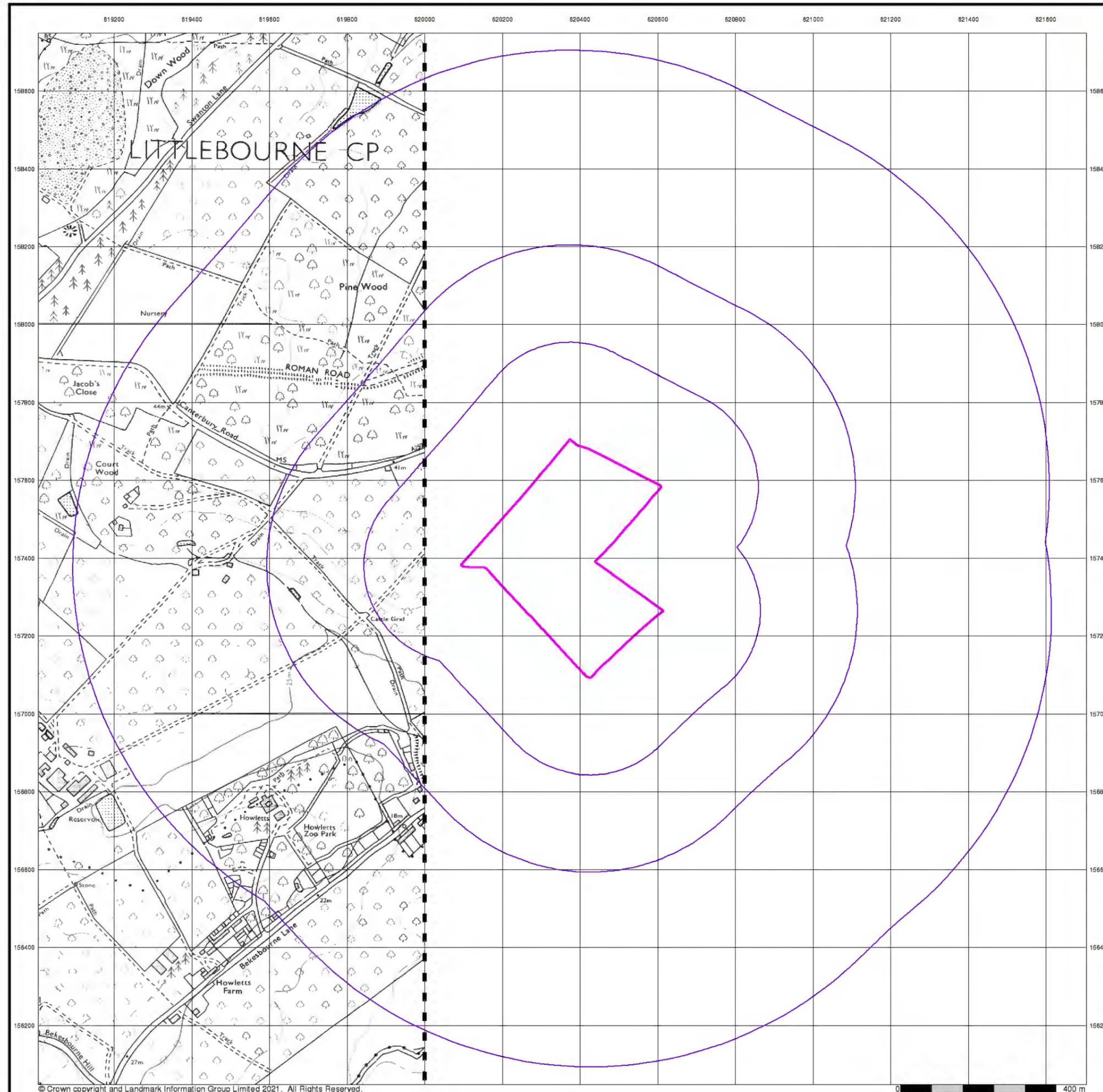
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 Search Buffer (m): 1000

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



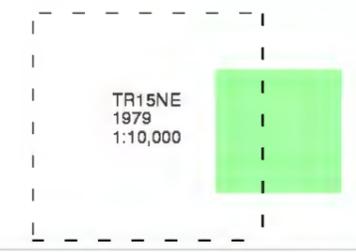
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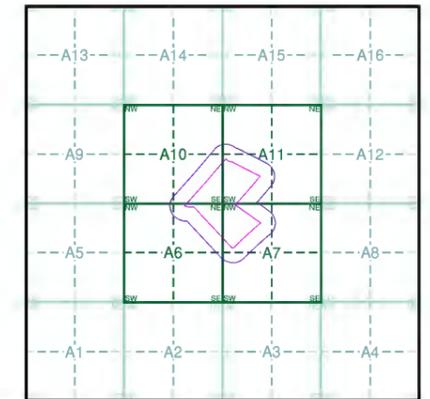
Ordnance Survey Plan
Published 1979
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
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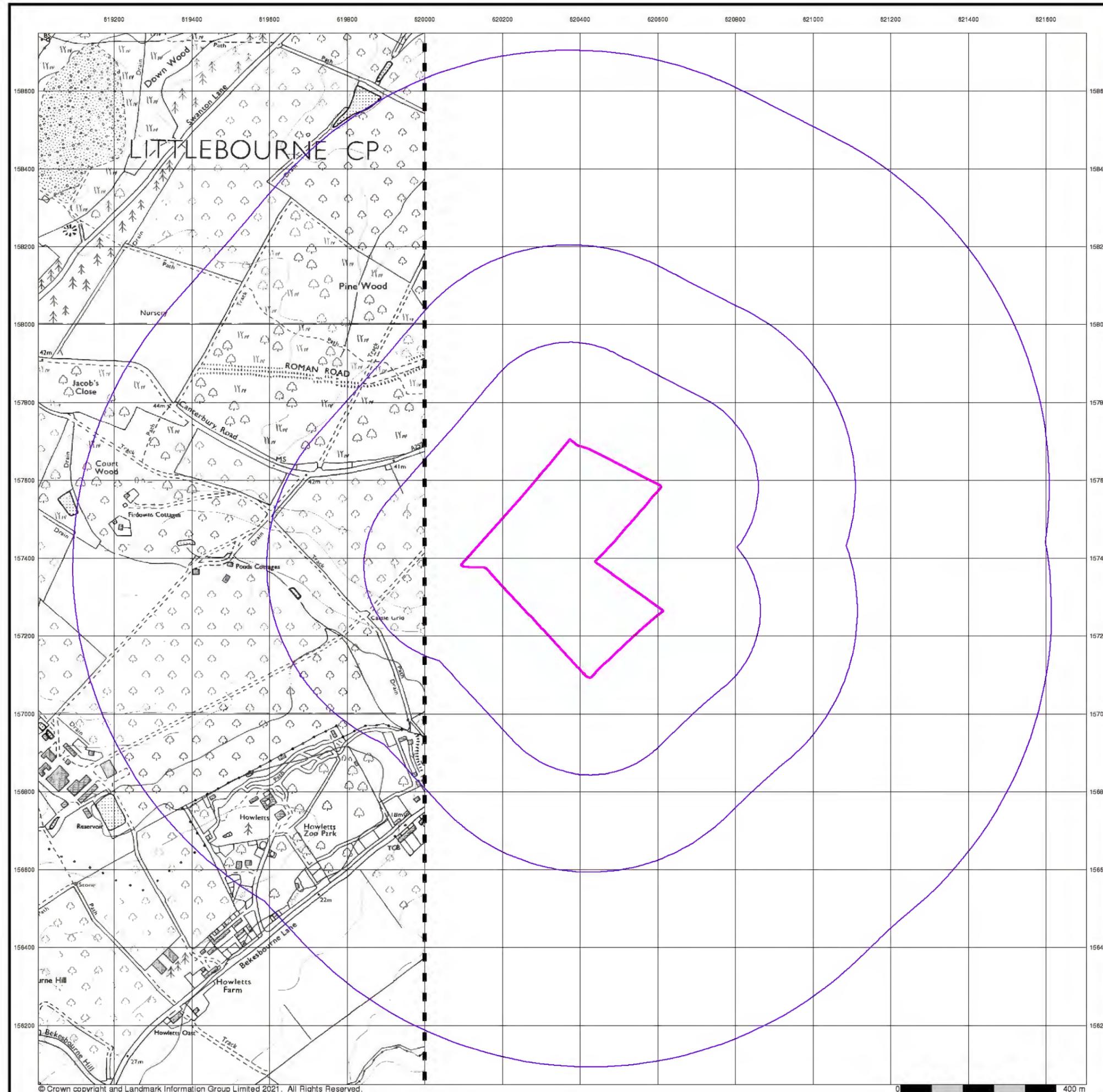
Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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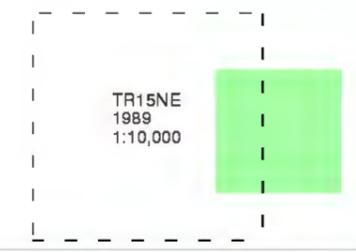




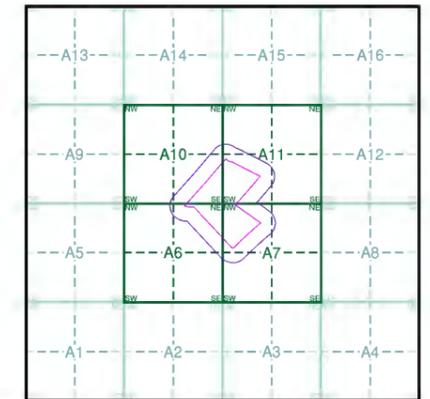
Ordnance Survey Plan
Published 1989
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
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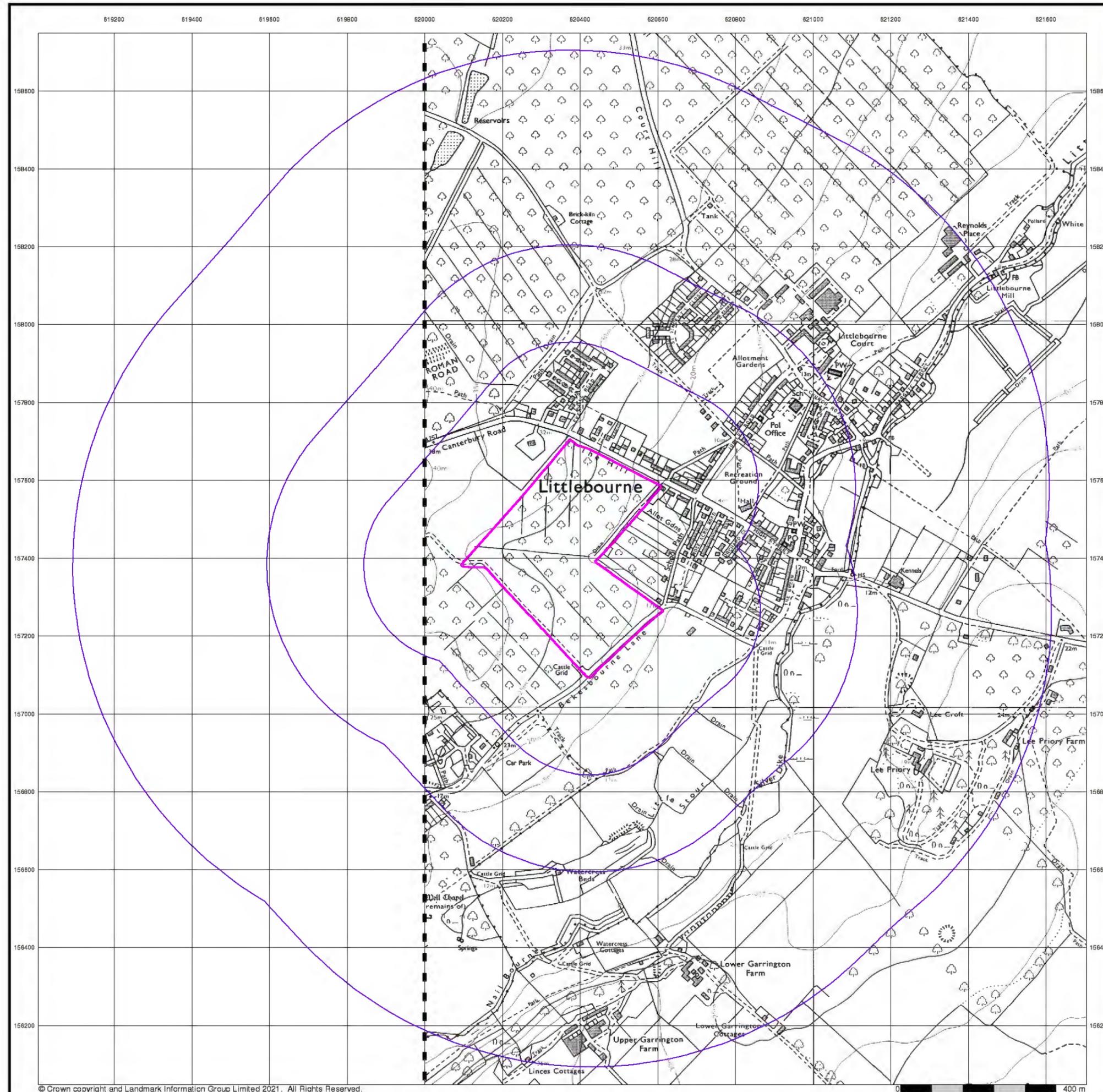
Site Details

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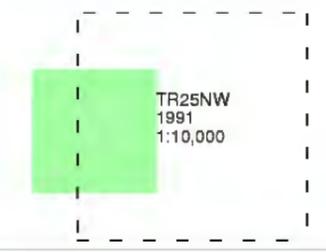




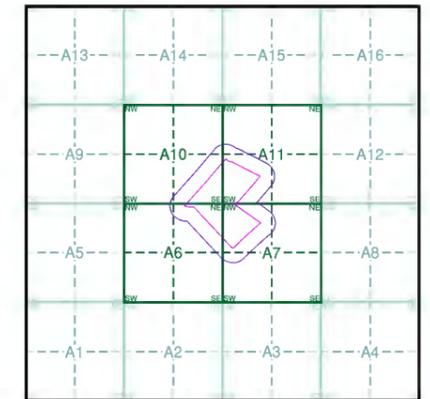
Ordnance Survey Plan
Published 1991
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

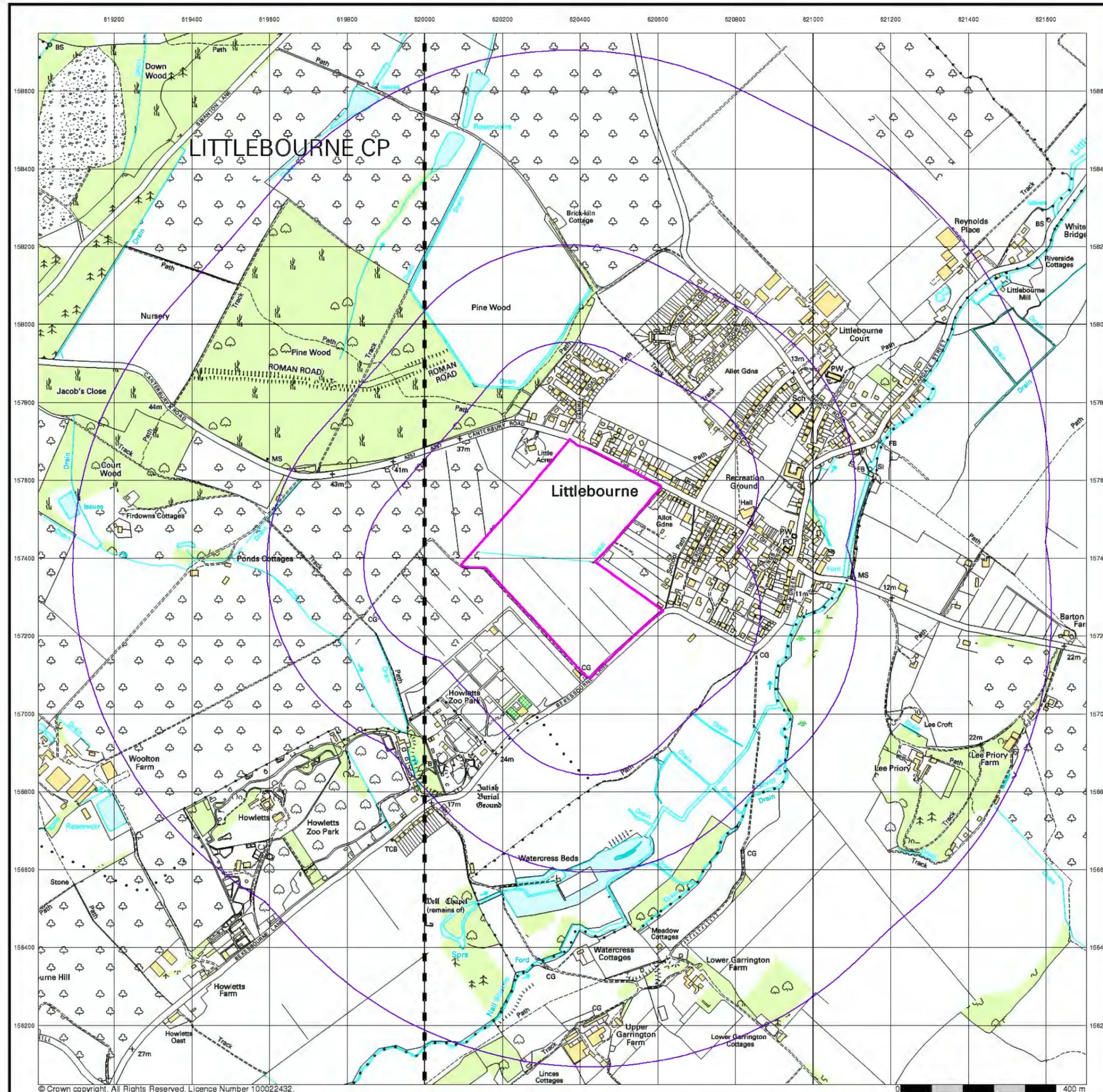


Order Details

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Site Details

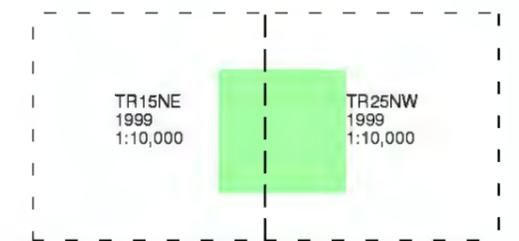
8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



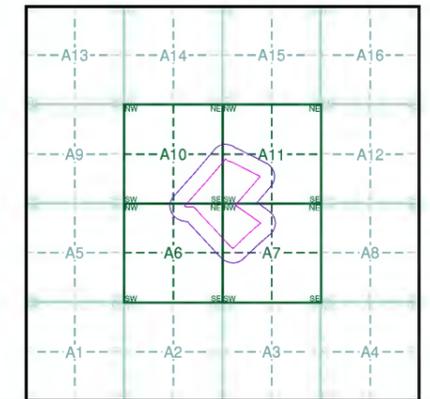
10k Raster Mapping
Published 1999
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

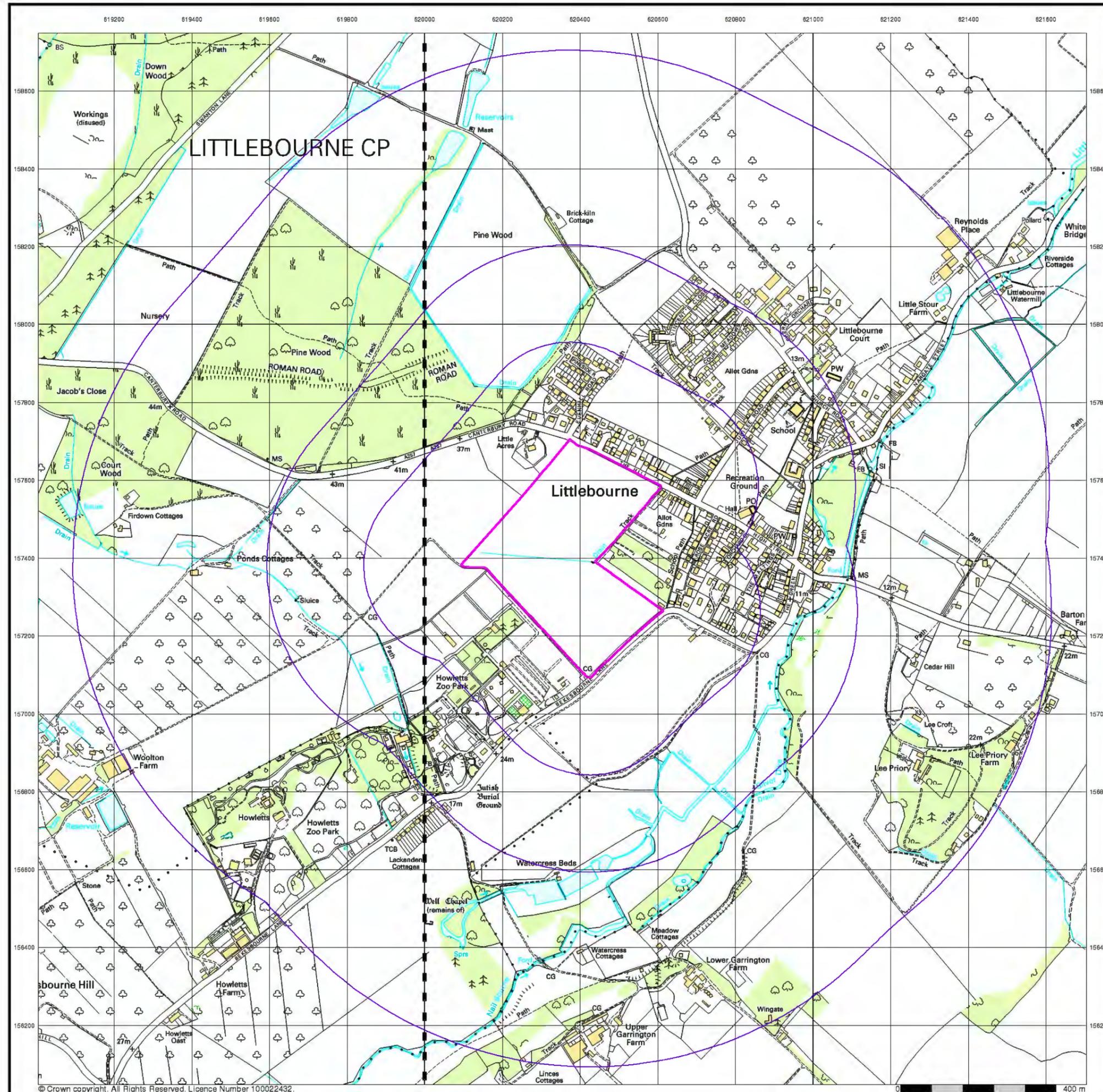
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 Search Buffer (m): 1000

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



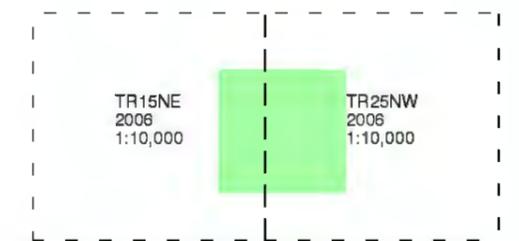
Tel: 0844 844 9952
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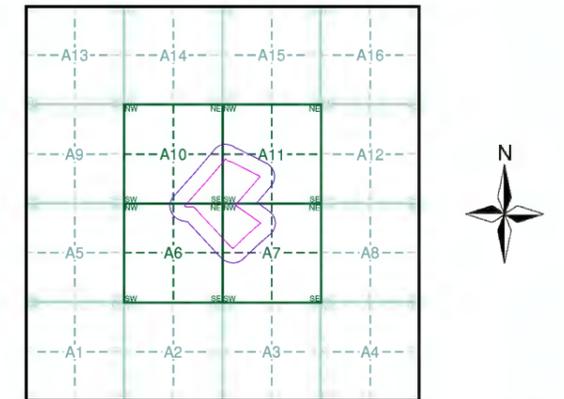
10k Raster Mapping
Published 2006
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

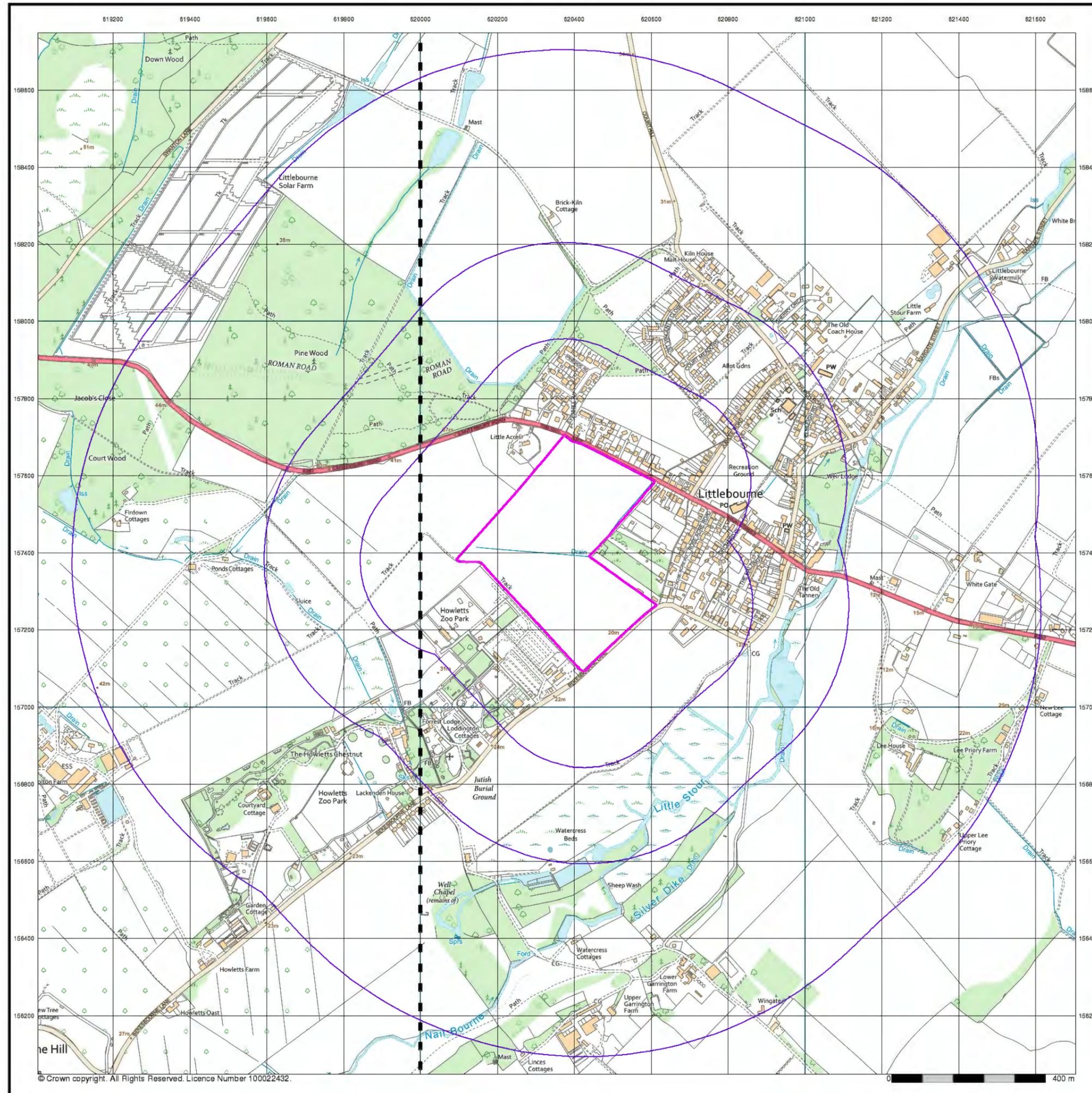
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 Customer Ref: 52212
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 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



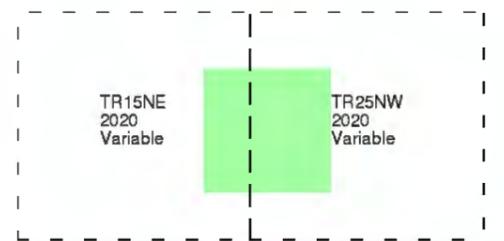
Tel: 0844 844 9952
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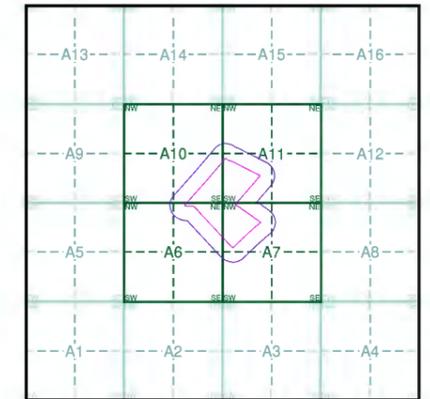
VectorMap Local
Published 2020
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

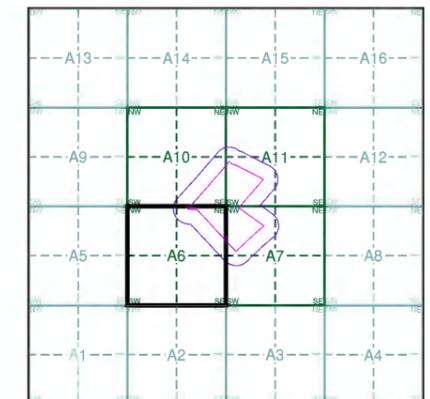
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A6



Order Details

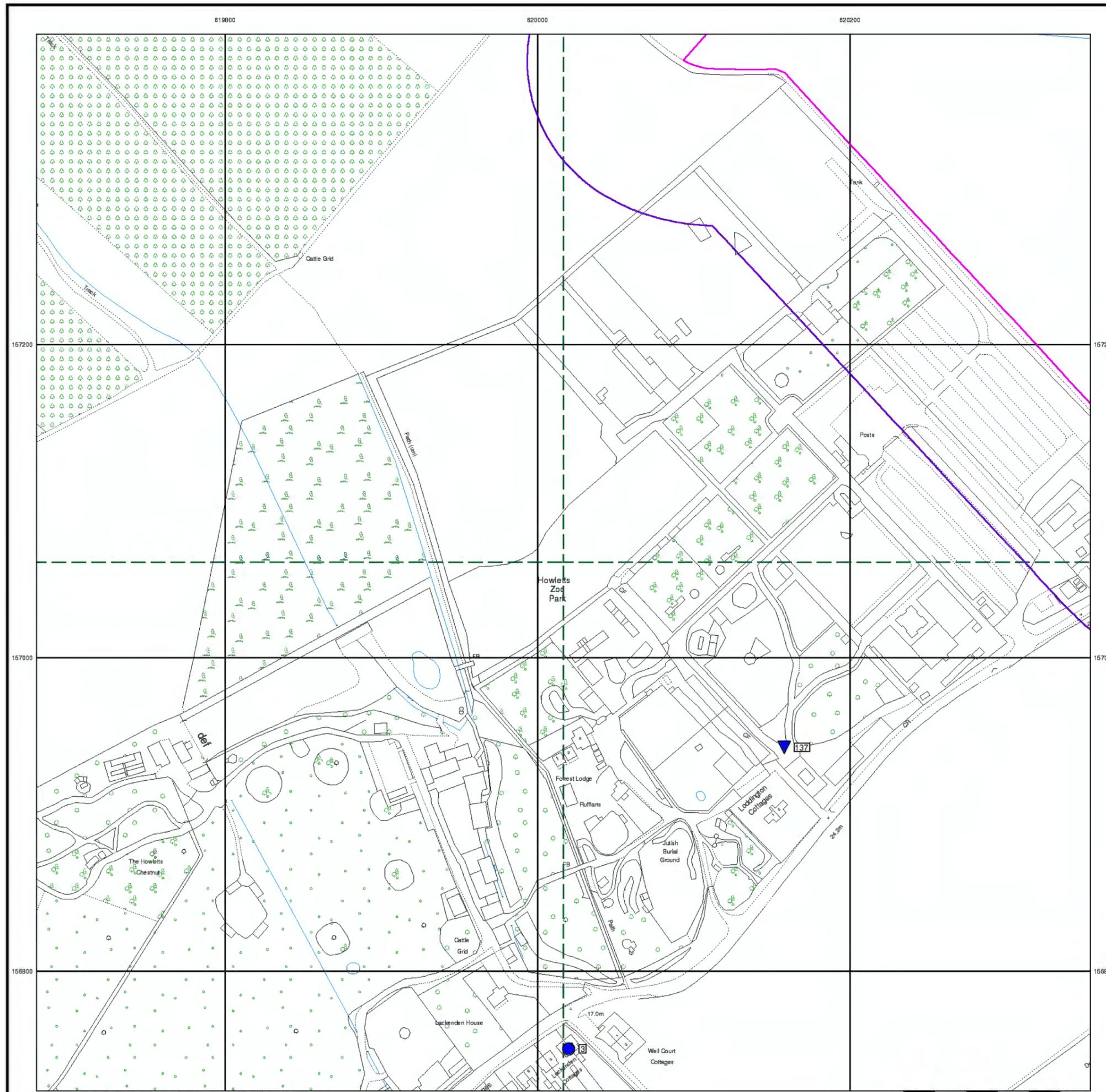
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 Plot Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



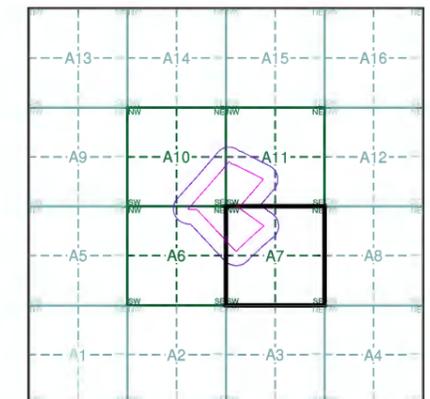
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 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk





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

Site Sensitivity Map - Segment A7



Order Details

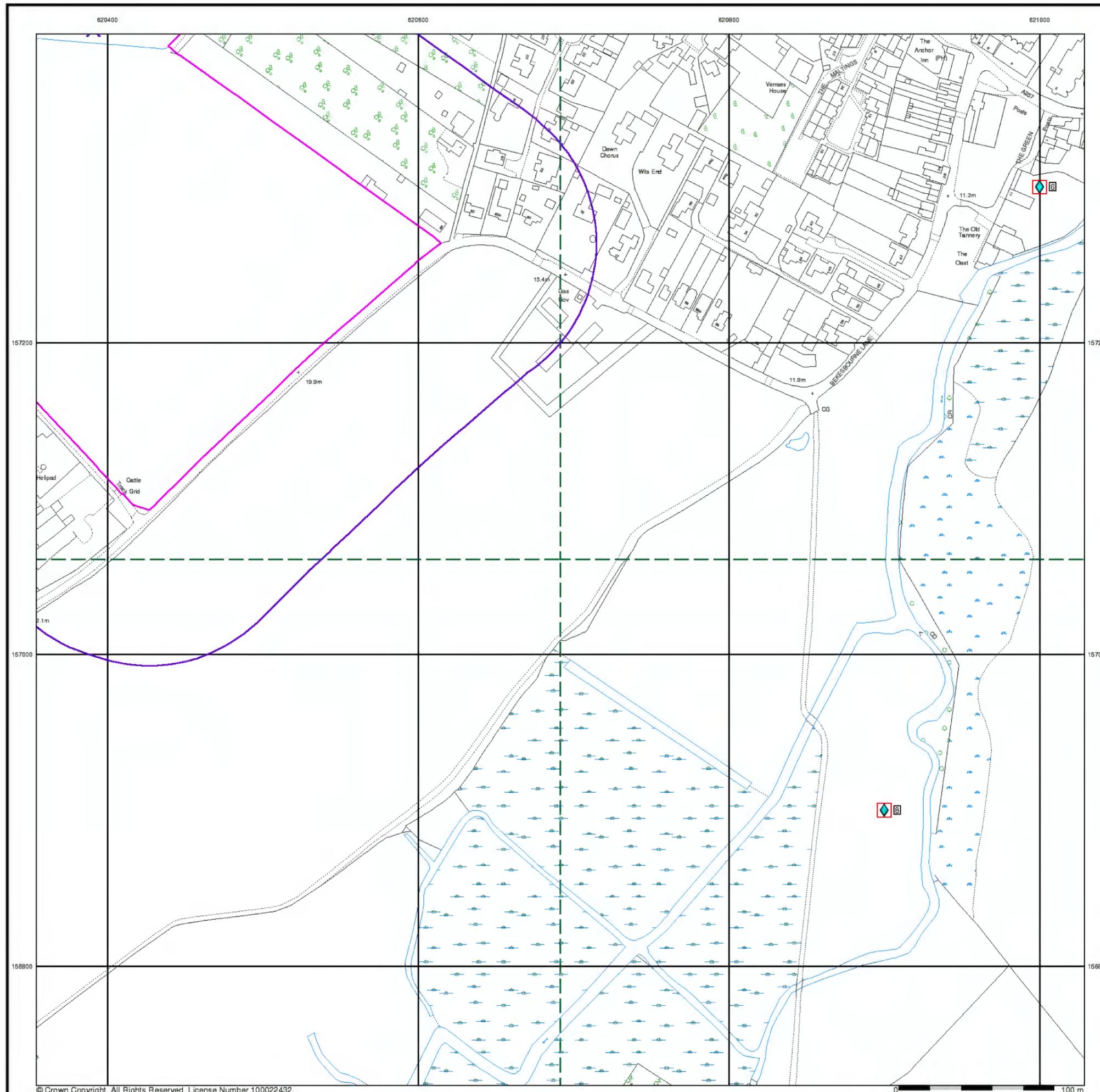
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Customer Ref: 52212
National Grid Reference: 620390, 157400
Slice: A
Site Area (Ha): 15.85
Plot Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

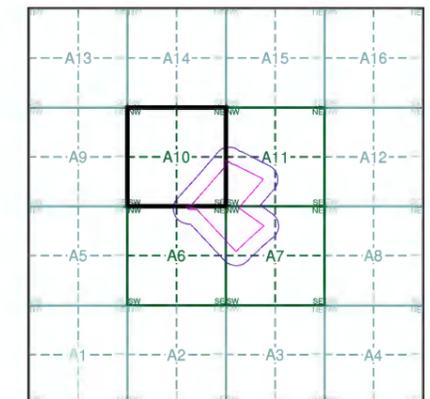
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A10



Order Details

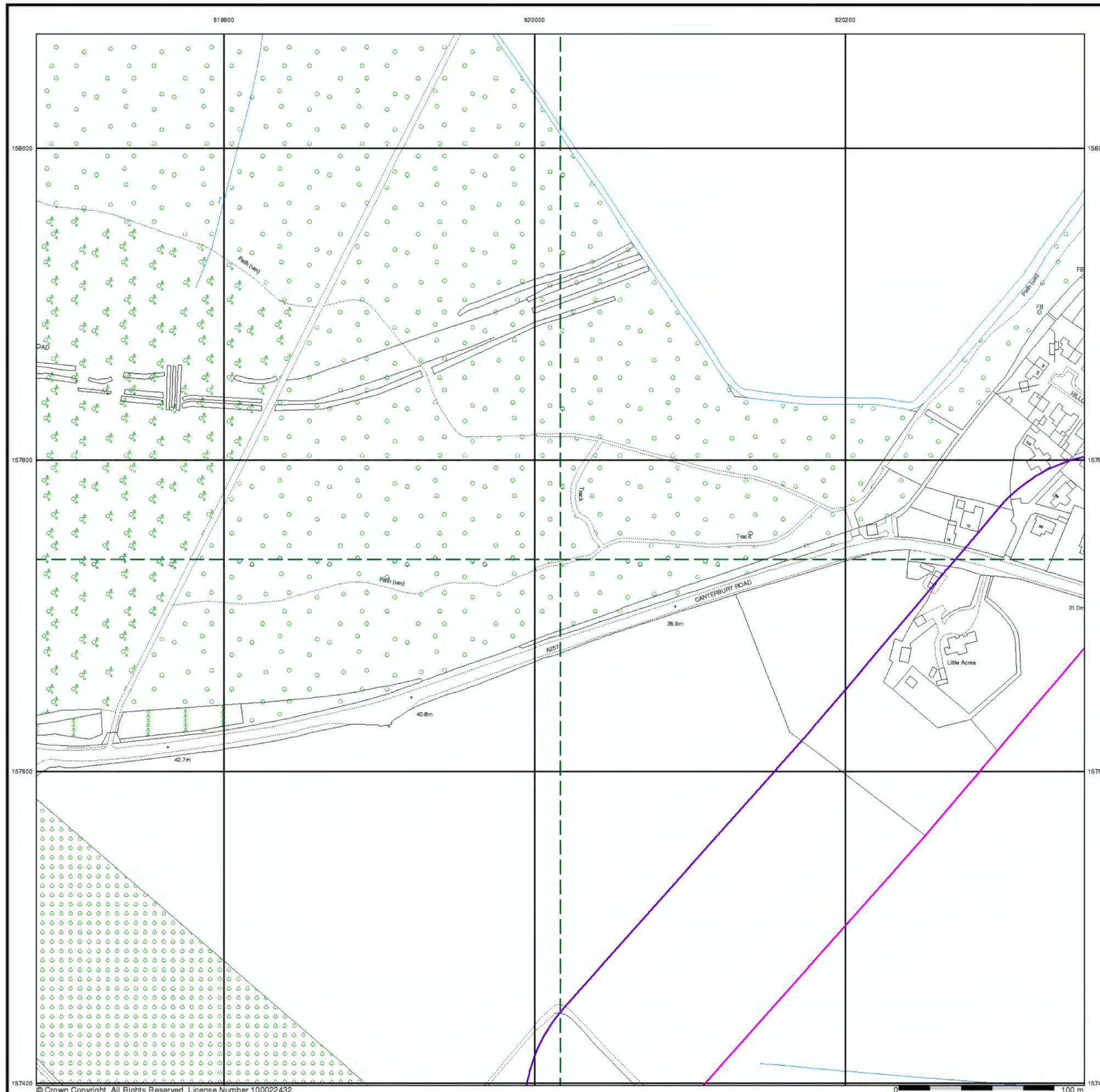
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 Site Area (Ha): 15.85
 Plot Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



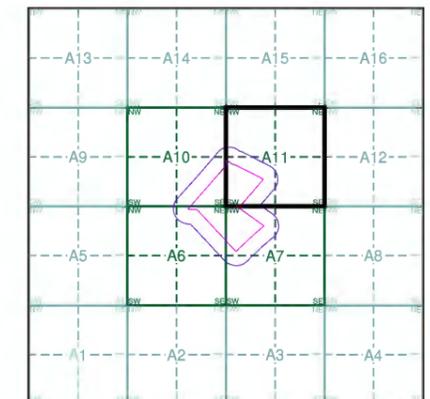
Tel: 0844 844 9952
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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
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 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
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- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
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 - EA Historic Landfill (Polygon)
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 - Licensed Waste Management Facility (Location)
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 - Local Authority Recorded Landfill Site
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 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment A11



Order Details

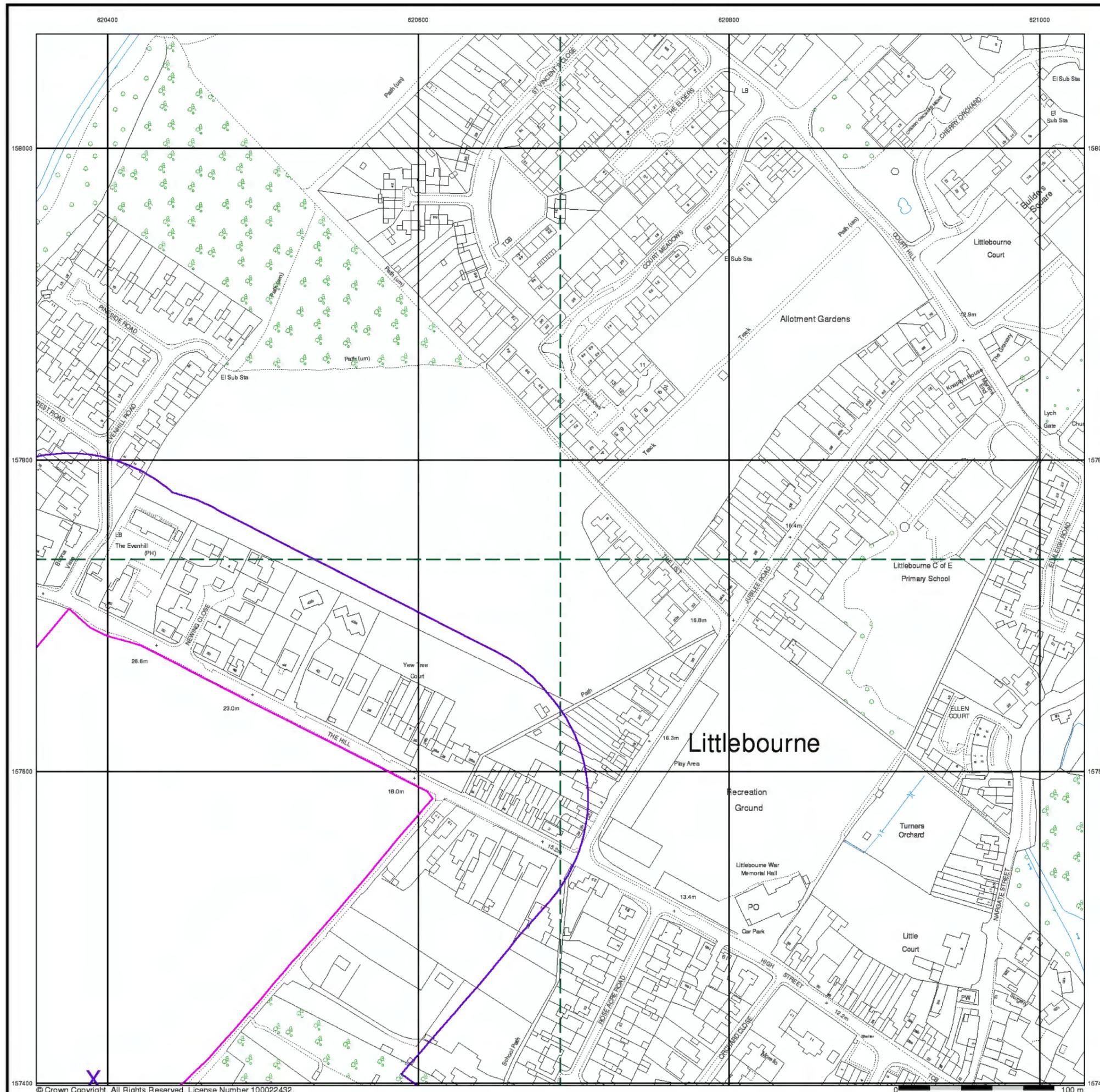
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 Customer Ref: 52212
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 Slice: A
 Site Area (Ha): 15.85
 Plot Buffer (m): 100

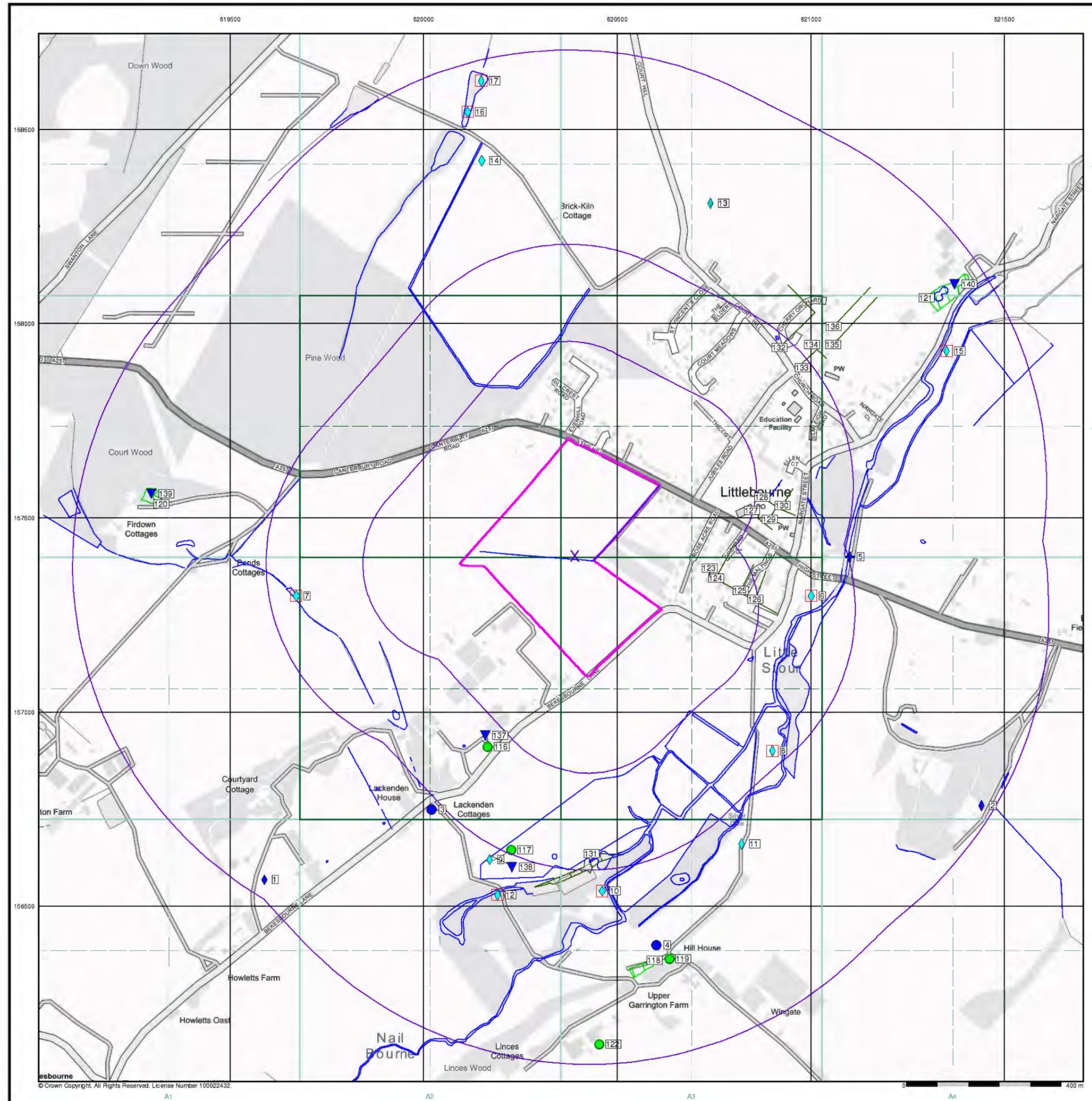
Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



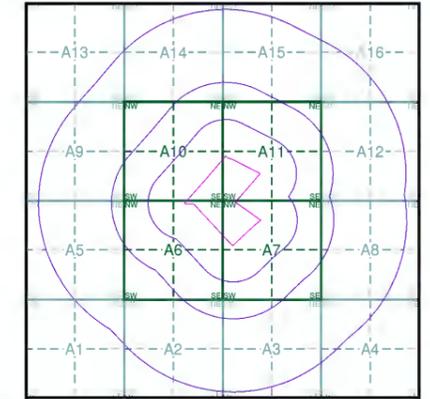
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk





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

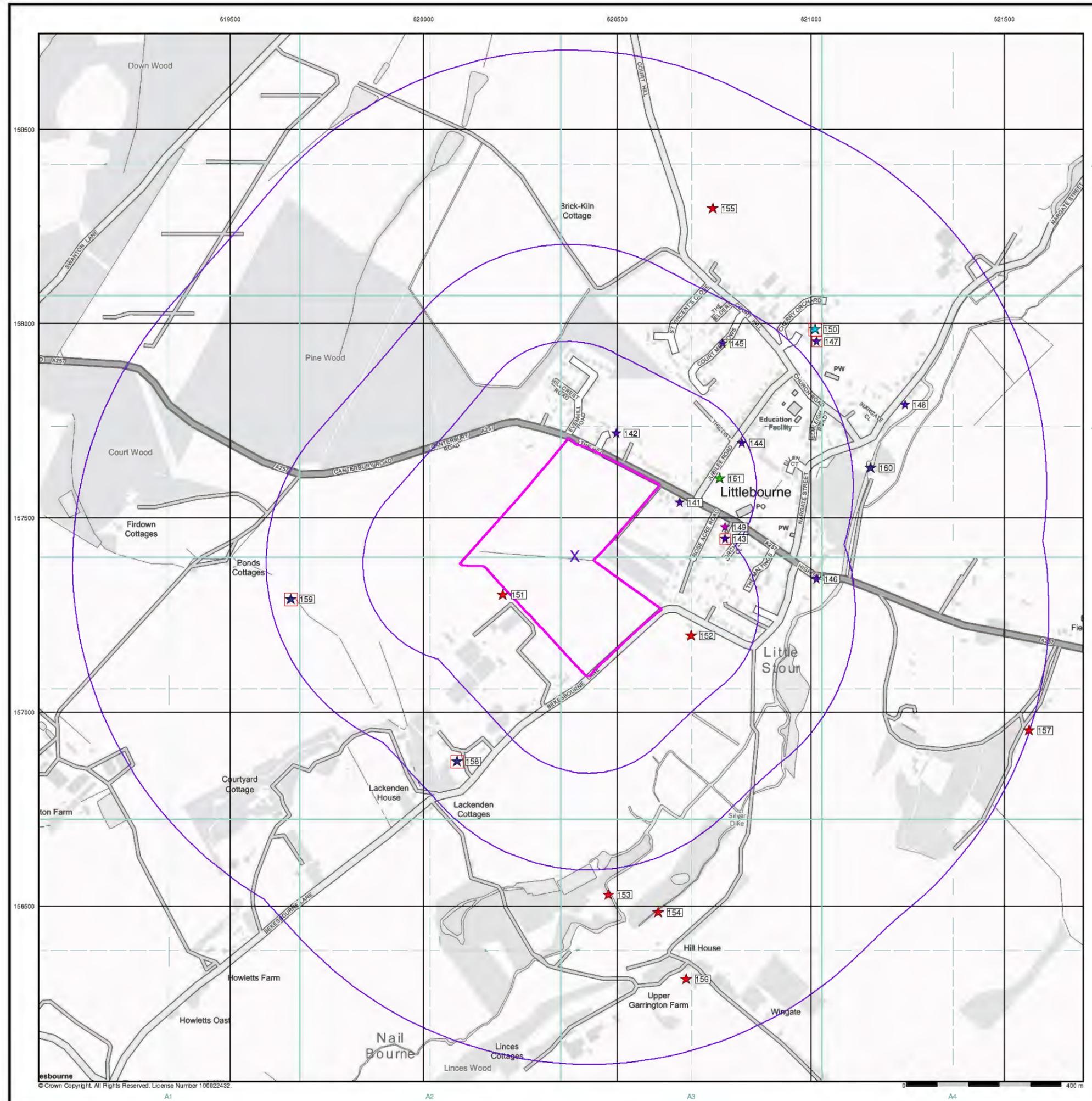
Site Sensitivity Map - Slice A



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

Site Details
 8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE

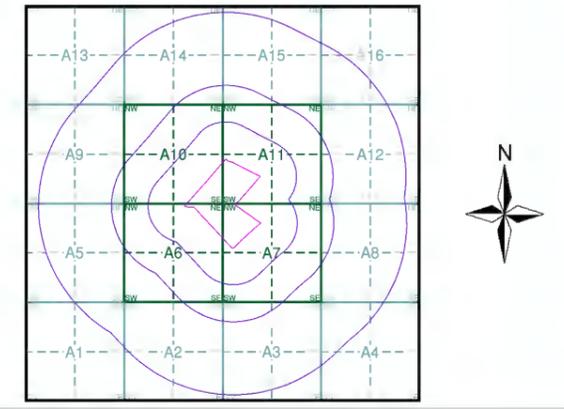


RSK

Industrial Land Use Map

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

Industrial Land Use Map - Slice A



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

Site Details
 8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE

Landmark
 INFORMATION GROUP

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



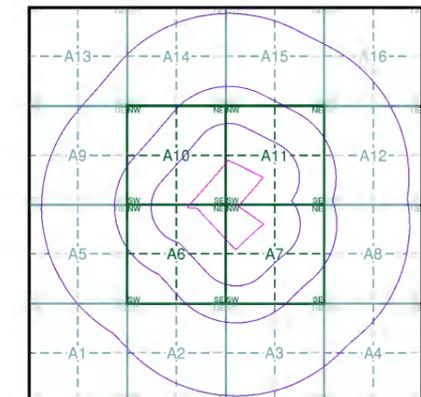
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

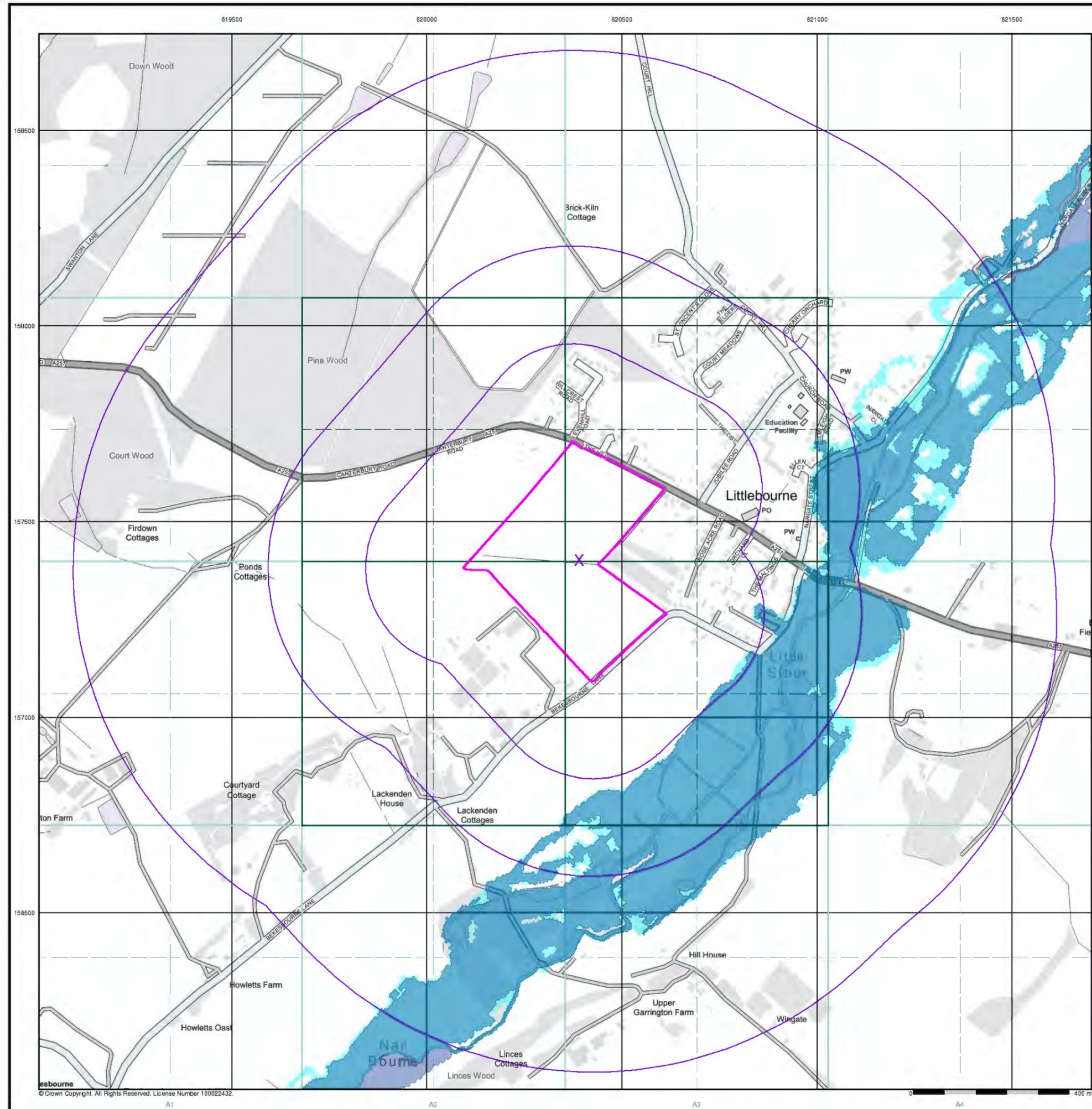
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 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

Site Details

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General

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

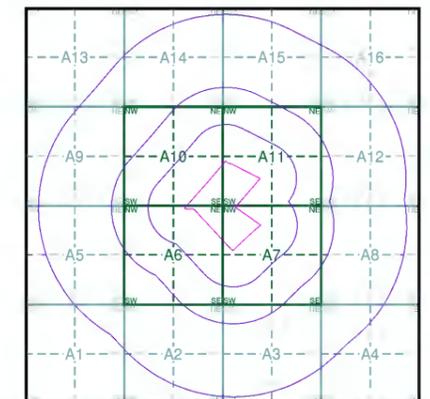
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

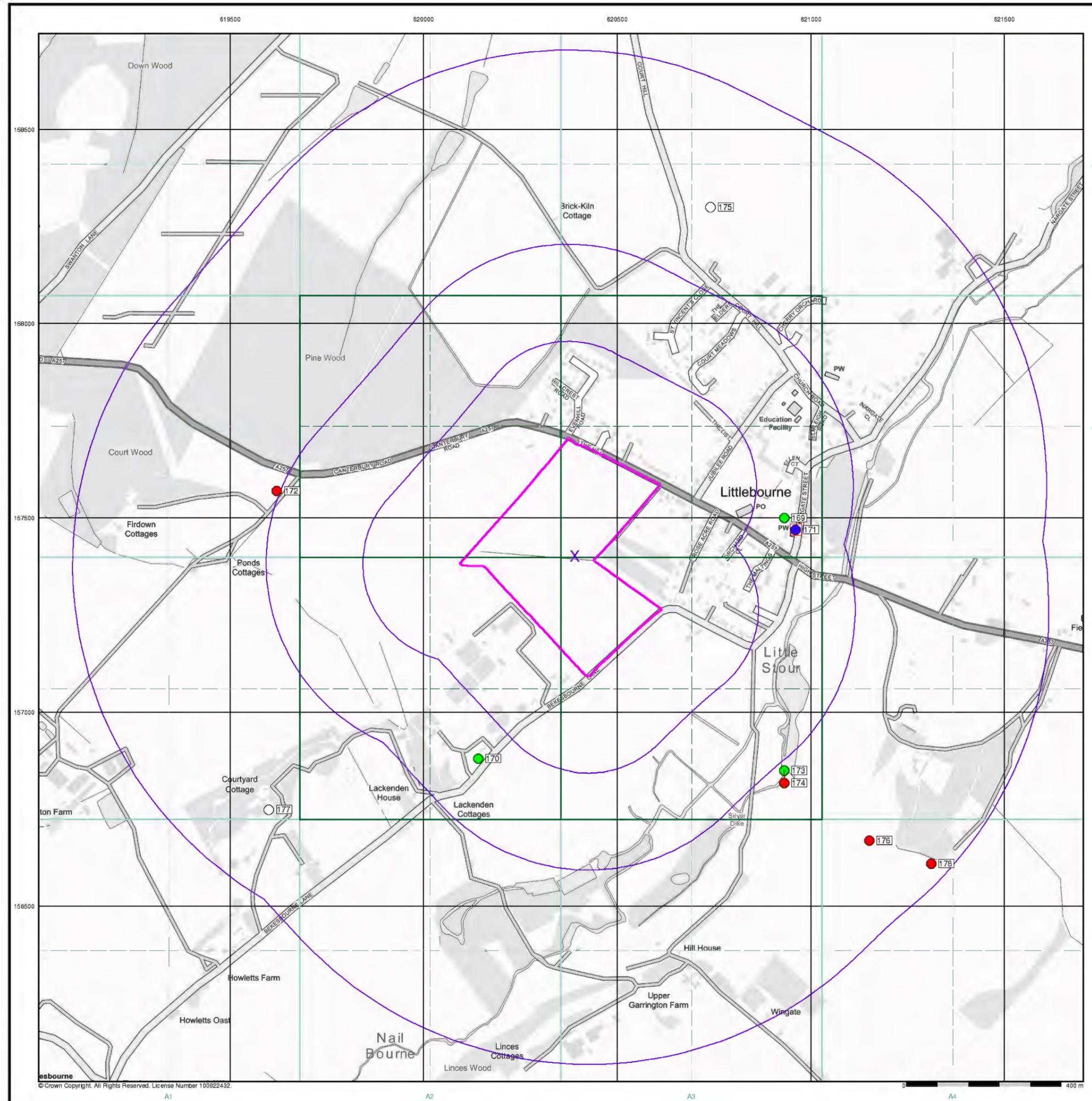
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Customer Ref: 52212
National Grid Reference: 620390, 157400
Slice: A
Site Area (Ha): 15.85
Search Buffer (m): 1000

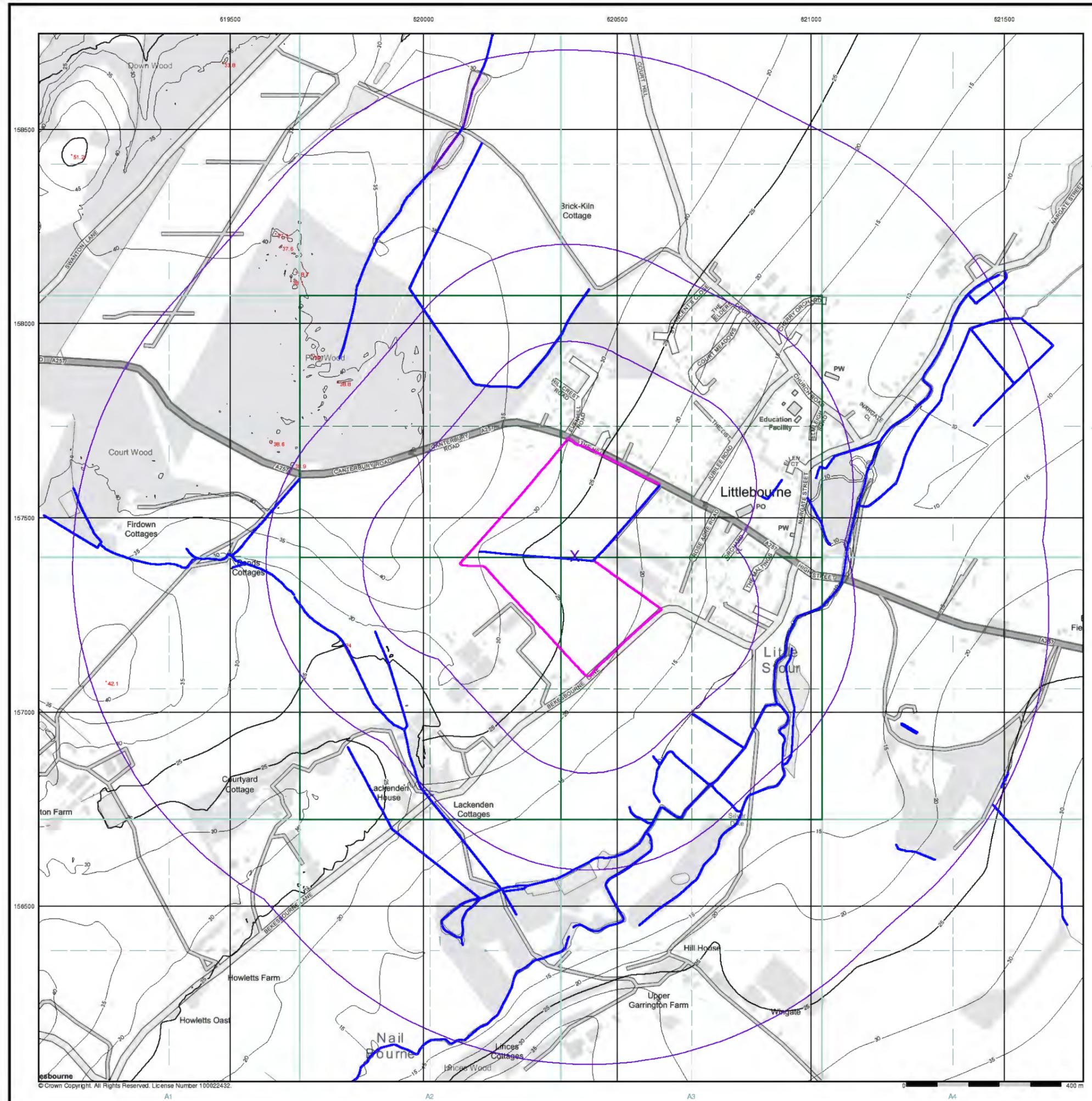
Site Details

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Web: www.envirocheck.co.uk





General

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

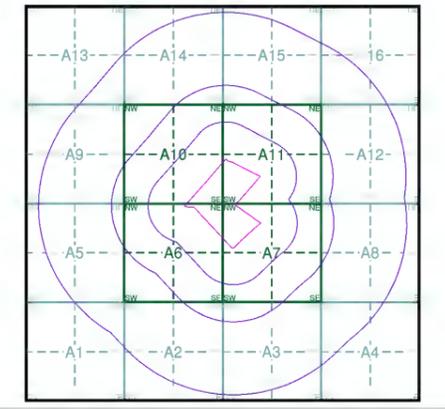
OS Water Network Data

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

Contours (height in meters)

- Standard Contour 10m
- Master Contour 100m
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

Site Details

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General

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

Risk of Flooding from Surface Water

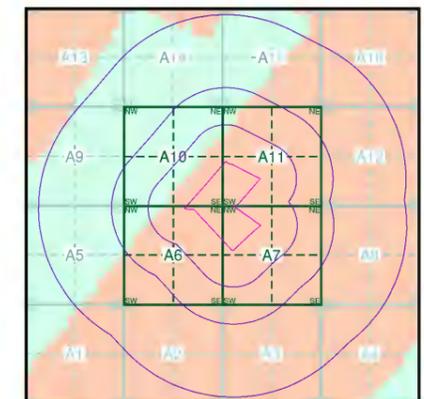
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EANRW Suitability Map - Slice A



Order Details

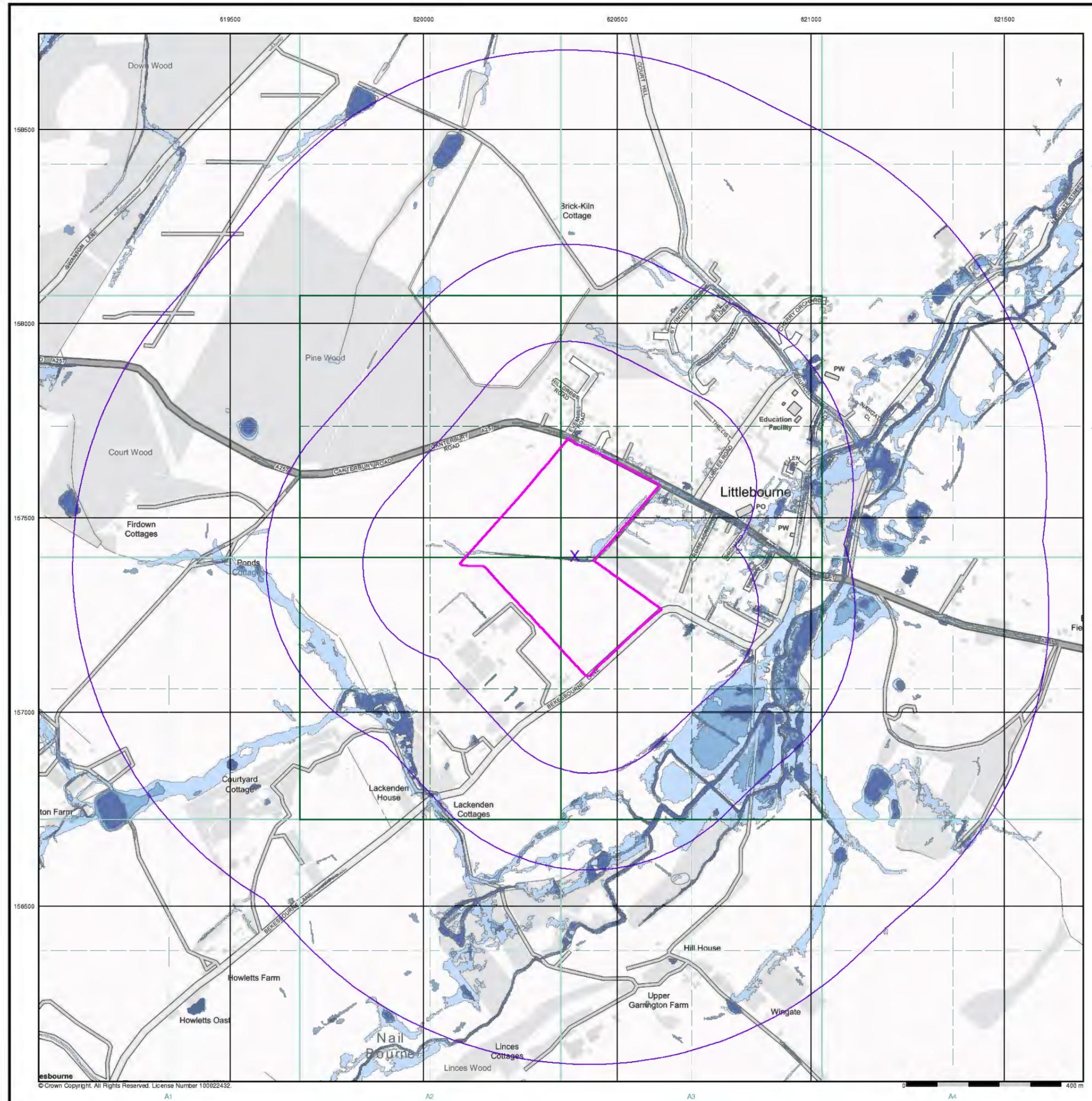
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 National Grid Reference: 620390, 157400
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 Site Area (Ha): 15.85
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Site Details

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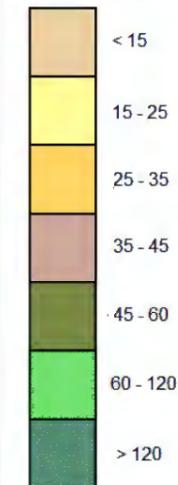


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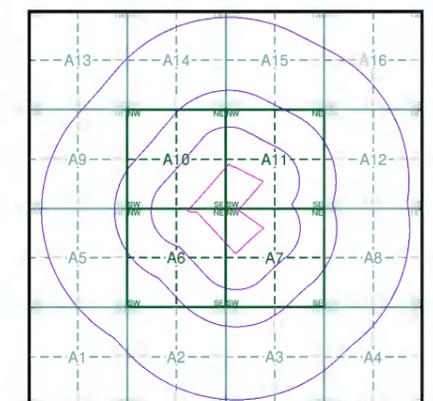
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

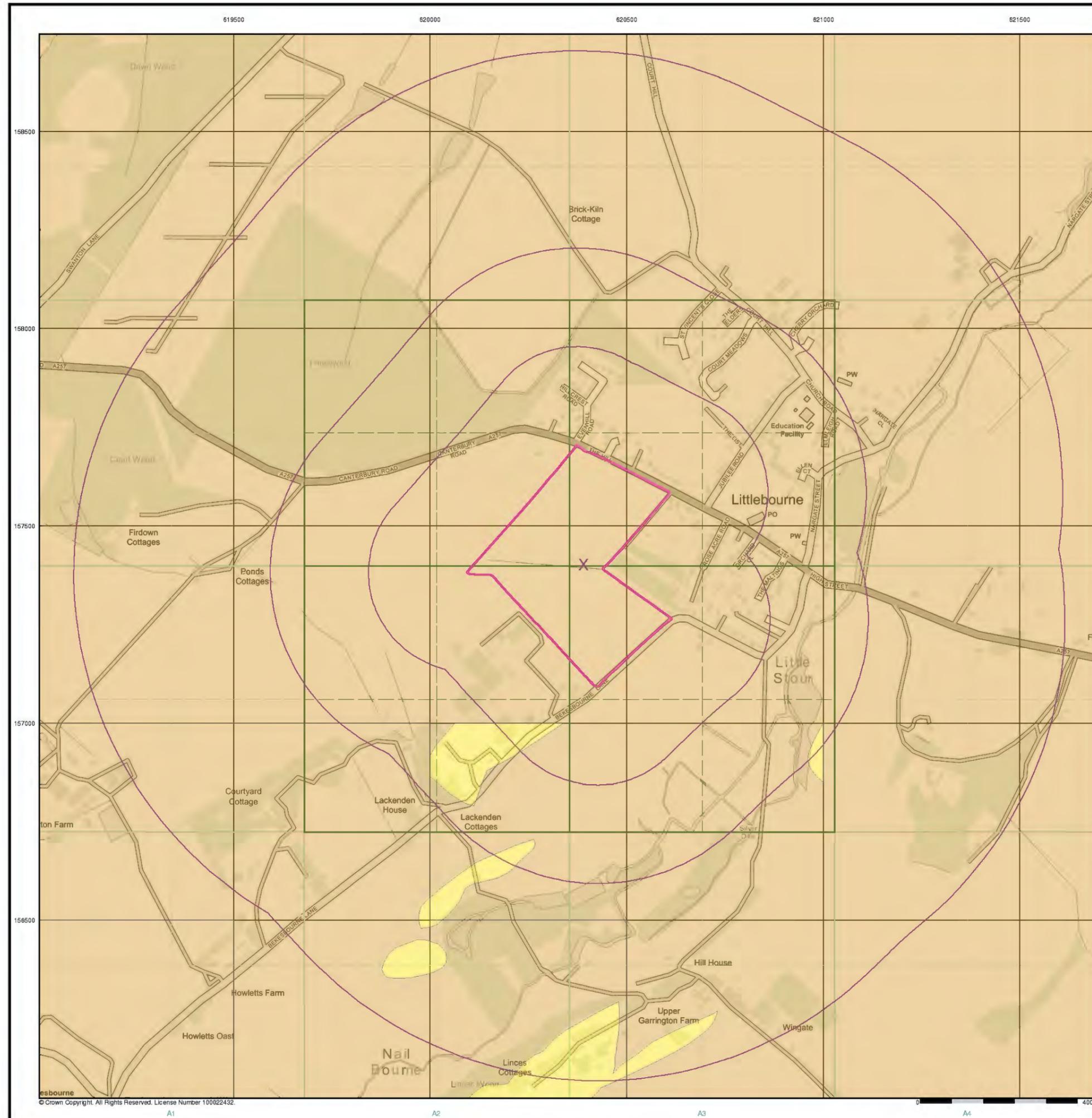
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 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

Site Details

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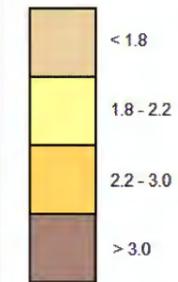


General

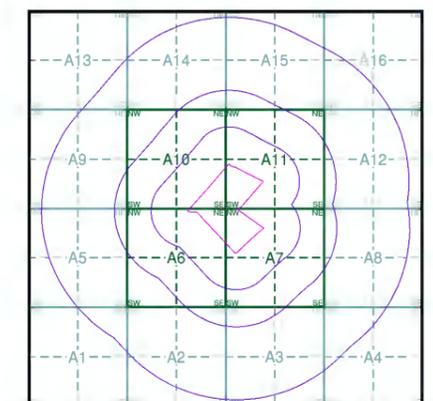
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

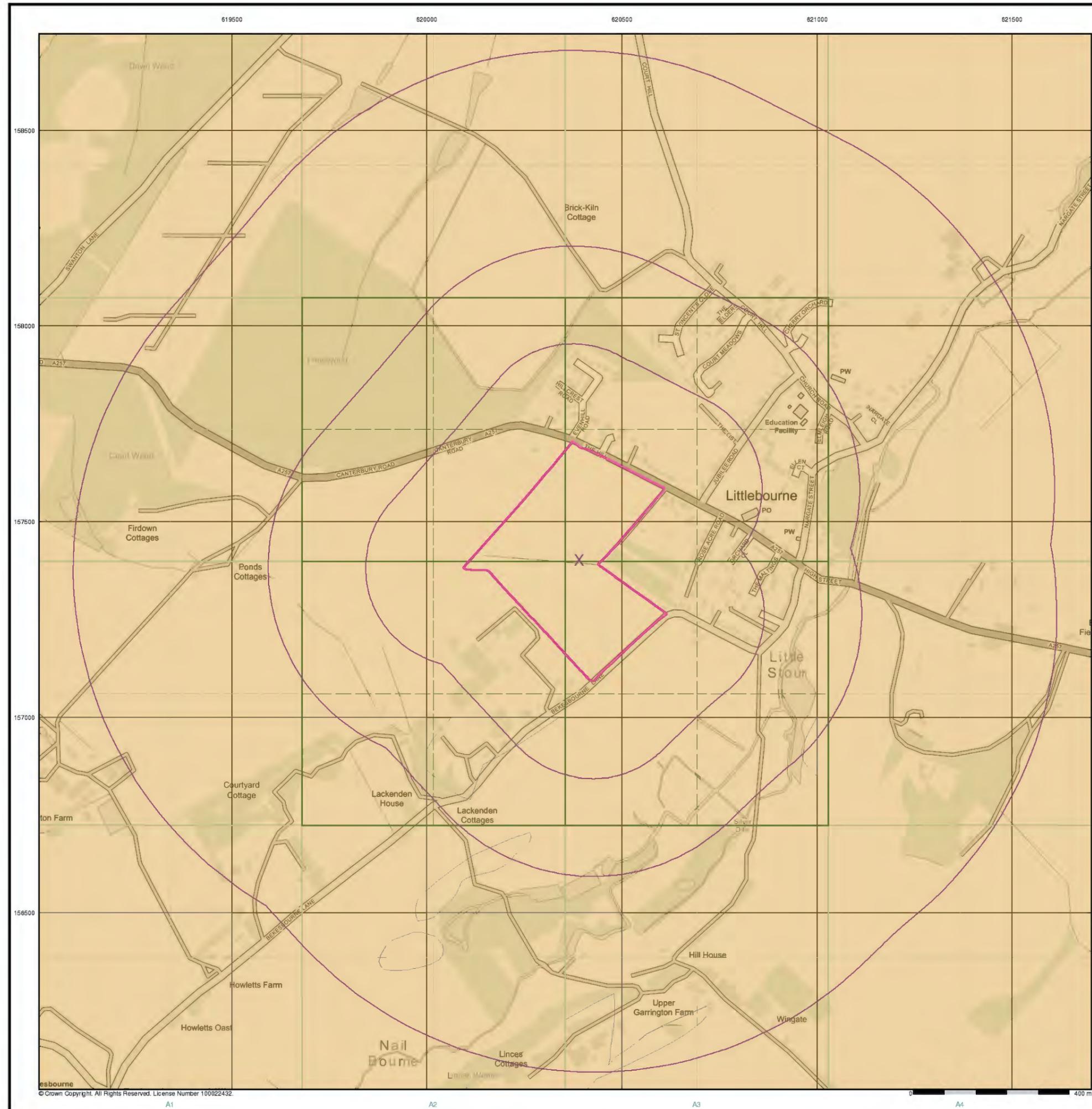
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 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

Site Details

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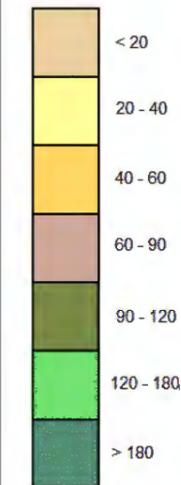


General

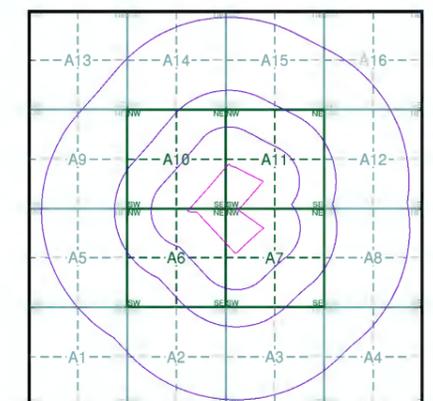
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

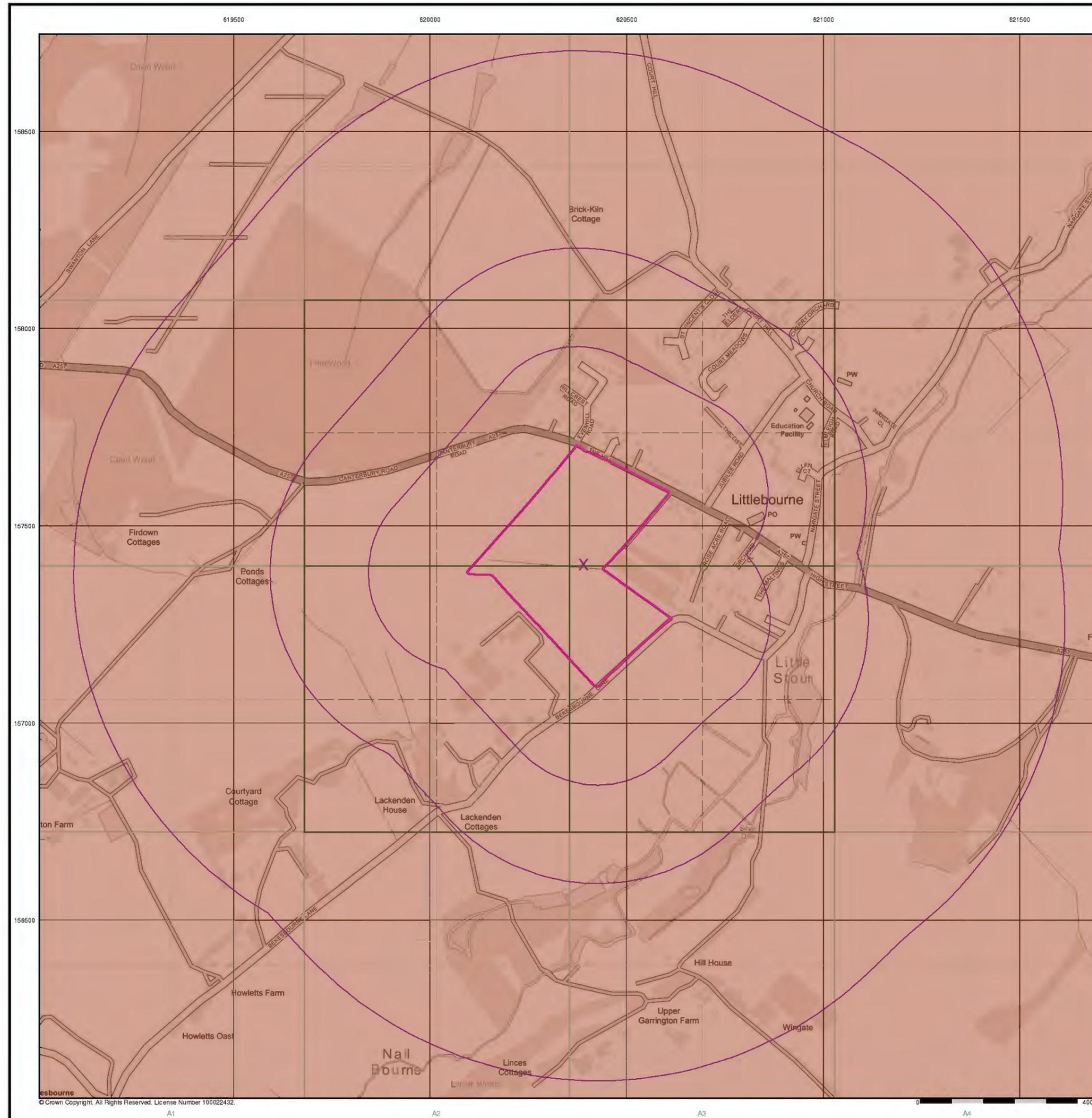
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 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
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Site Details

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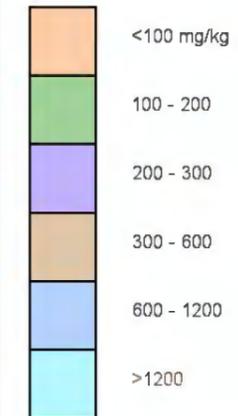


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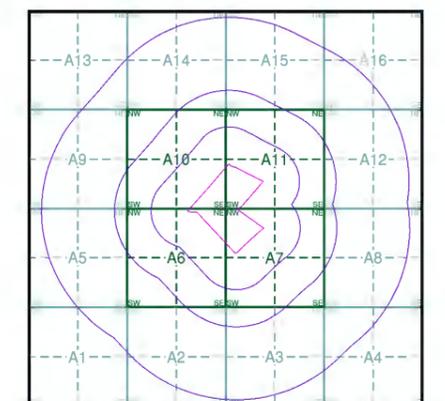
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

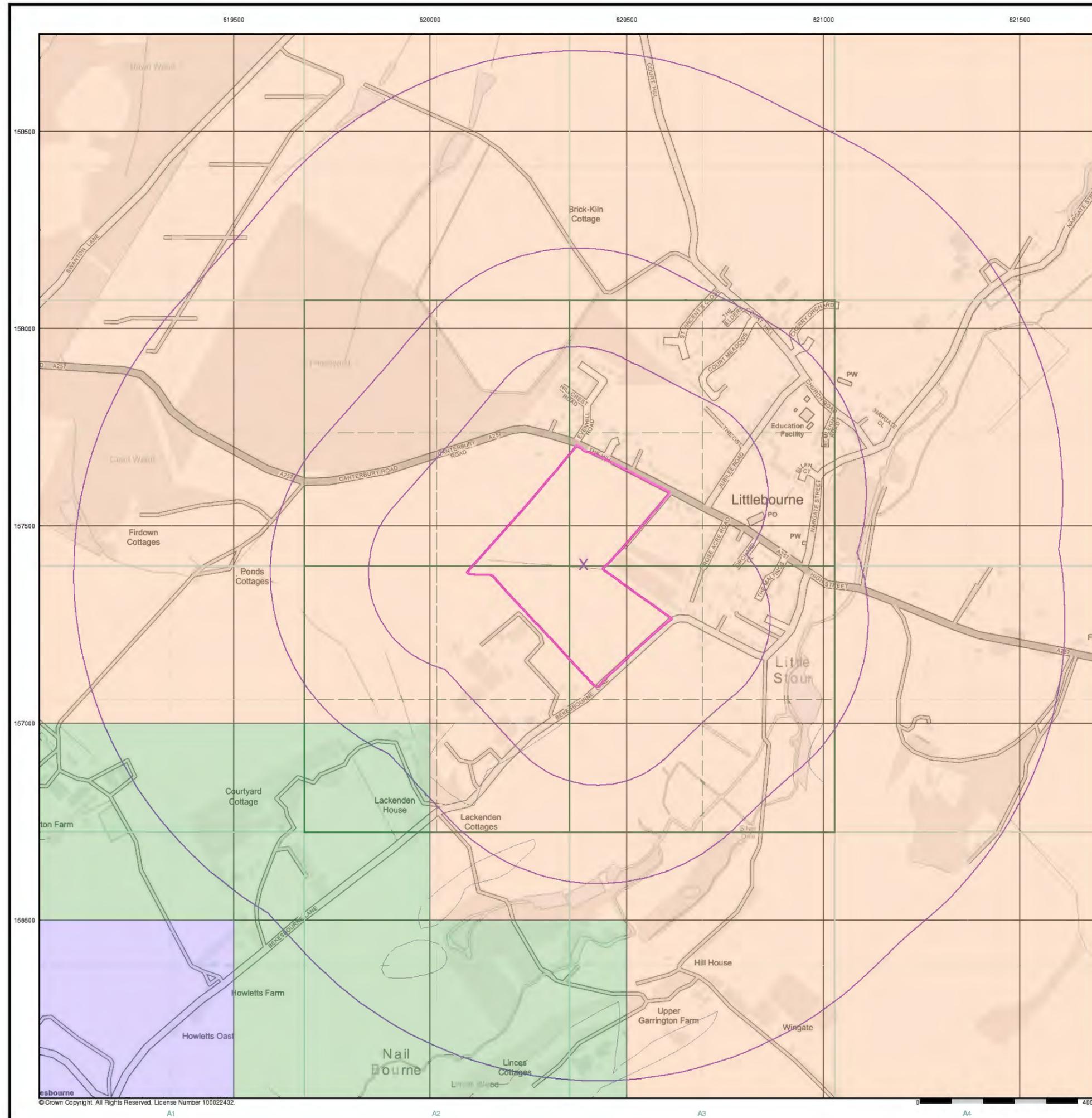
Order Details: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

Site Details

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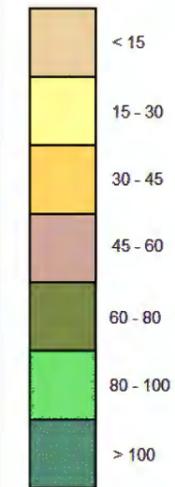


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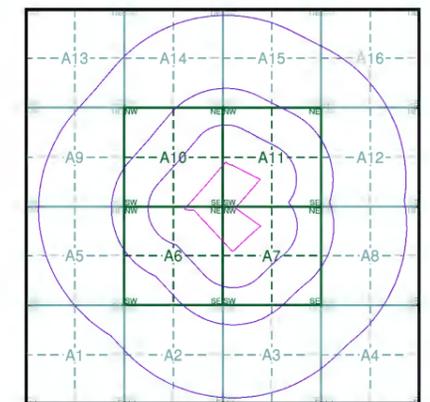
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

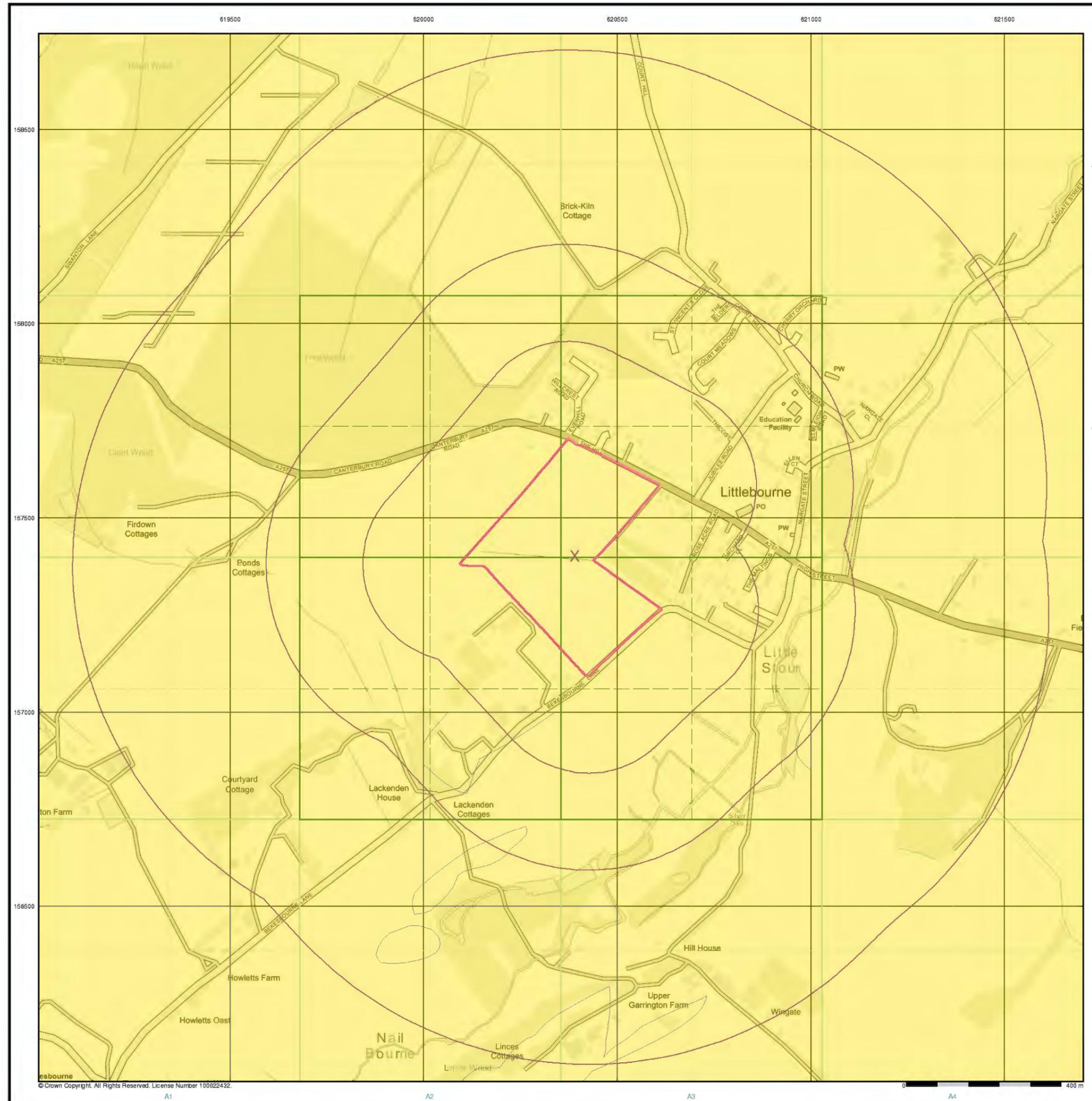
Order Details: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 1000

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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)
Boundary Post or Stone **Police Call Box**
B.R. Bridle Road **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**
N.T.L. Normal Tidal Limit **Wd Pp Wind Pump**

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

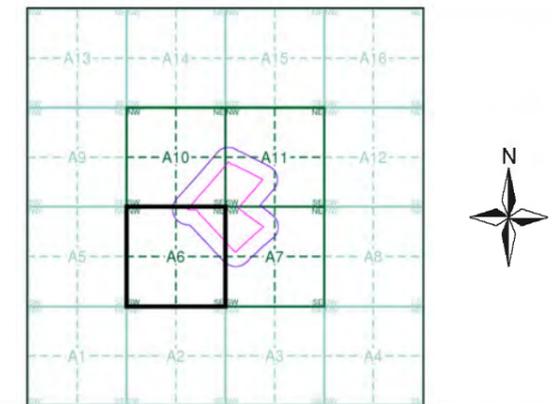
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds**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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1897	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1956	6
Ordnance Survey Plan	1:2,500	1966 - 1985	7
Supply of Unpublished Survey Information	1:2,500	1975	8
Additional SIMs	1:2,500	1978 - 1981	9
Additional SIMs	1:2,500	1981	10
Large-Scale National Grid Data	1:2,500	1992 - 1993	11
Additional SIMs	1:2,500	1992	12
Large-Scale National Grid Data	1:2,500	1995	13
Historical Aerial Photography	1:2,500	1999	14

Historical Map - Segment A6



Order Details

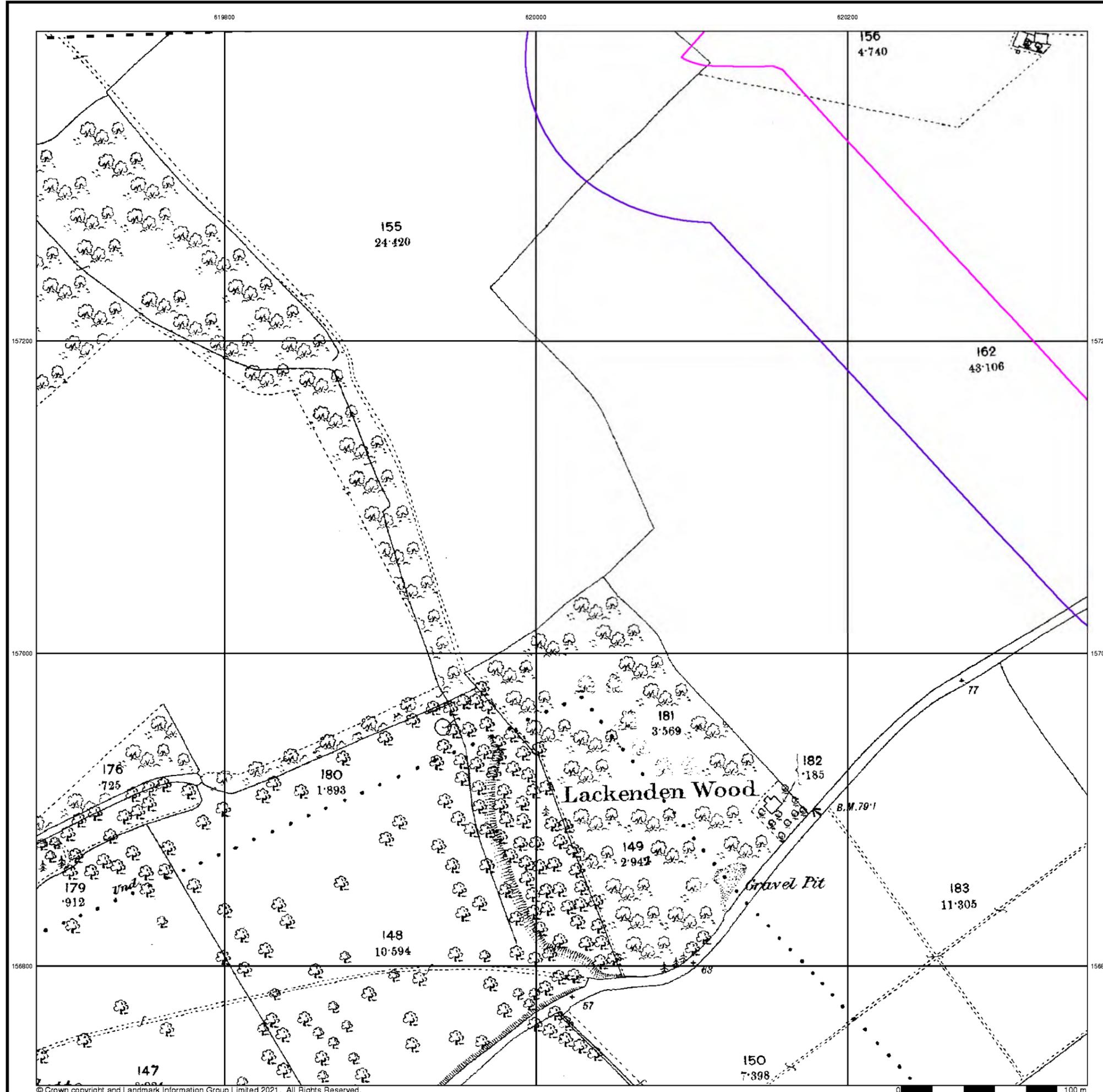
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 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

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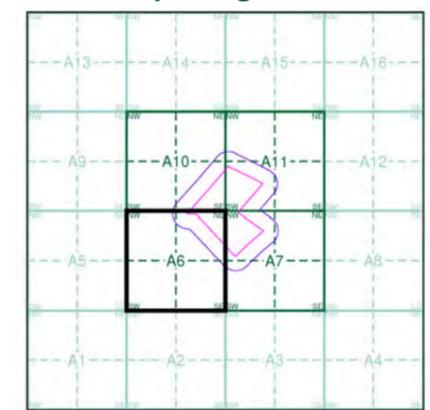
Kent
Published 1873
Source map scale - 1:2,500

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)

047_01	1873	1:2,500
047_05	1873	1:2,500

Historical Map - Segment A6



Order Details

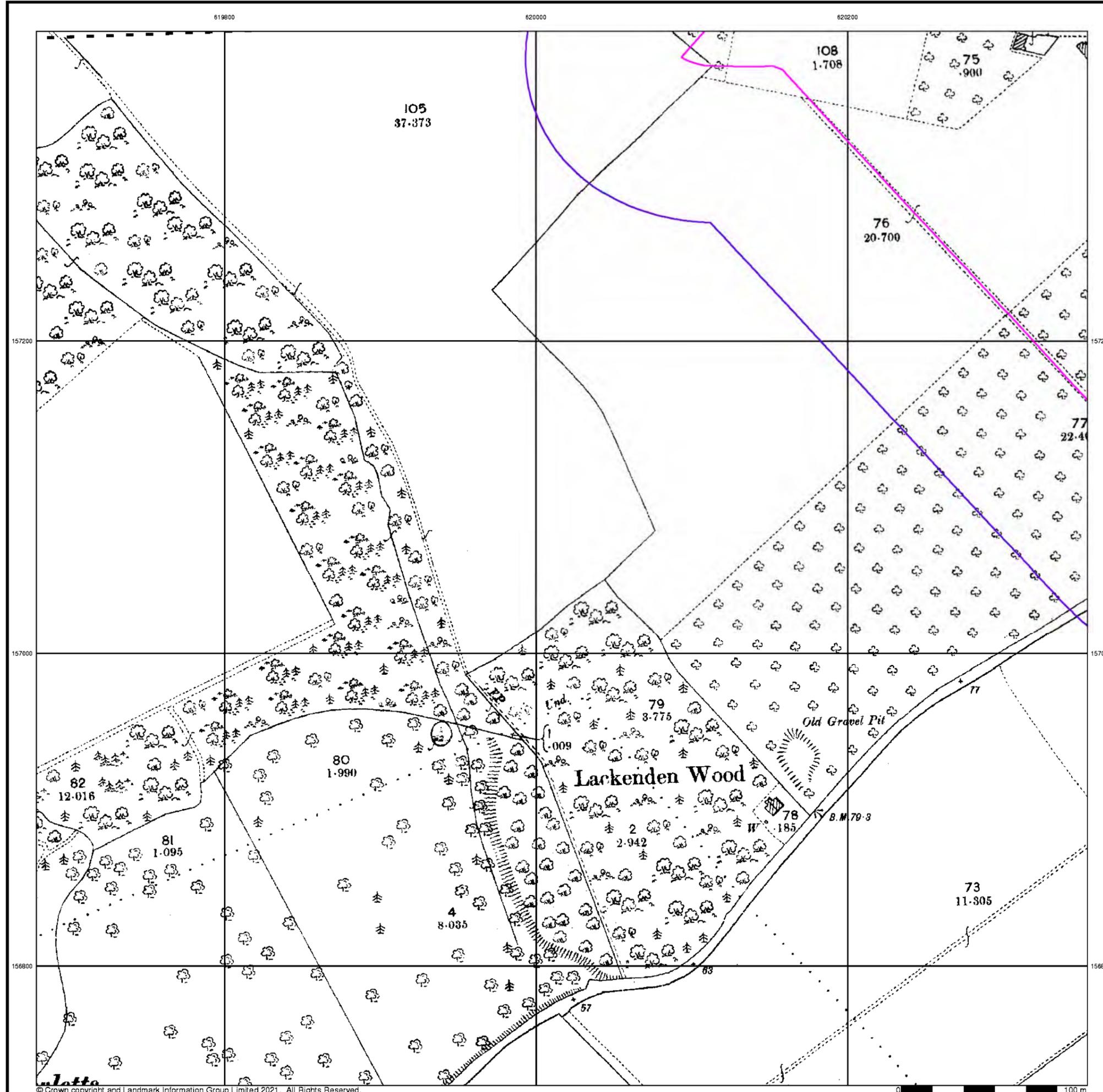
Order Number: 271084147_1_1
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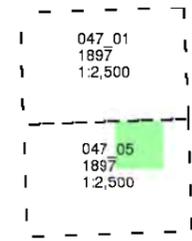
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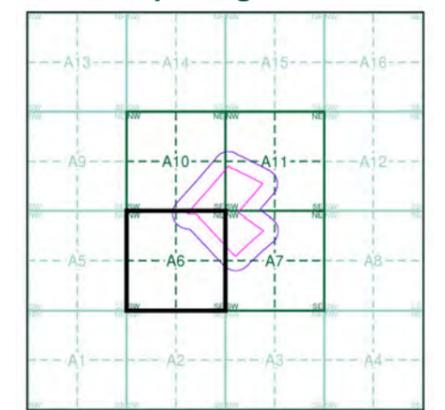
Kent
Published 1897
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



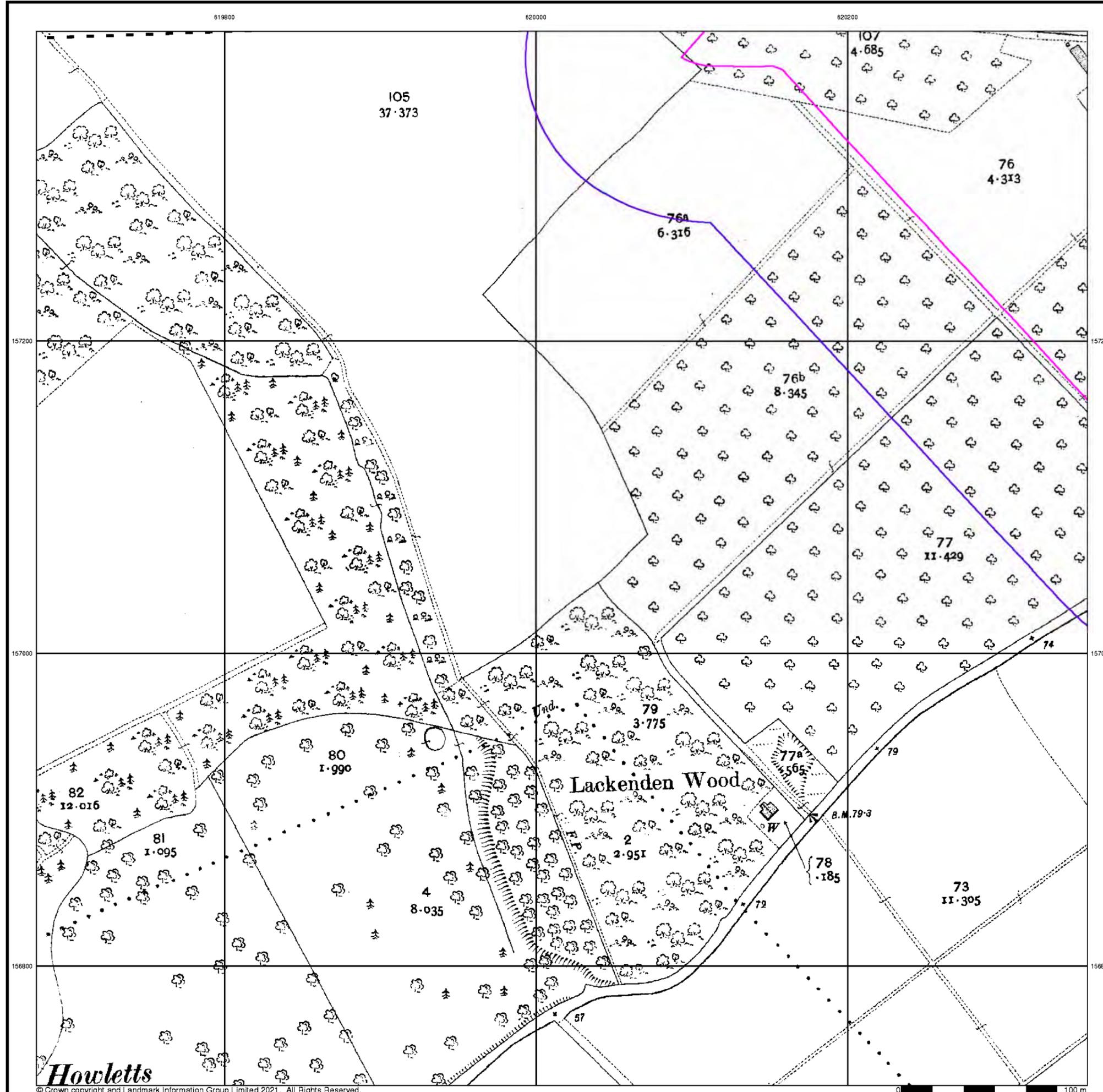
Historical Map - Segment A6



Order Details
 Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details
 8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE

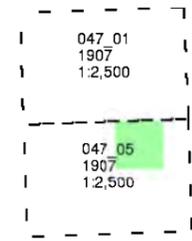
Landmark
 INFORMATION GROUP
 Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



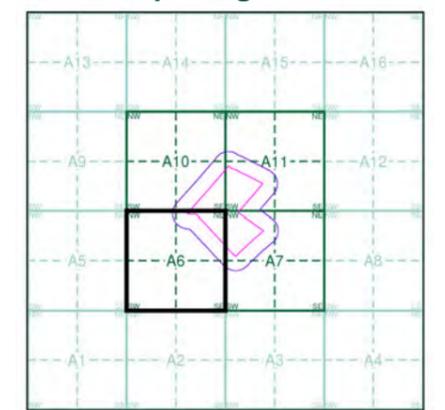
Kent
Published 1907
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

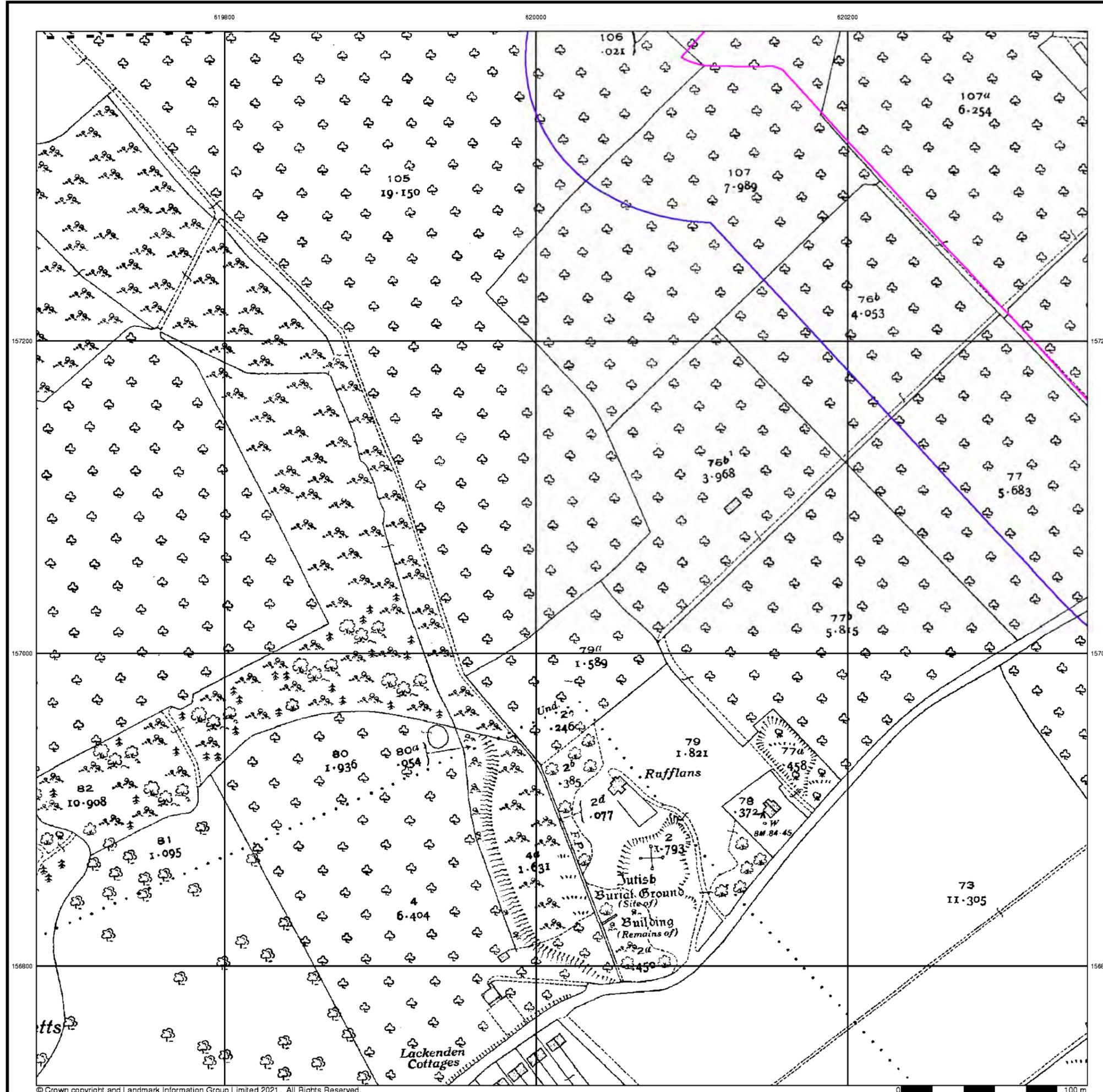


Historical Map - Segment A6



Order Details
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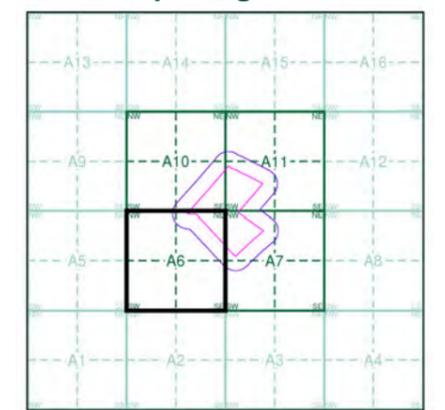
Kent
Published 1938
Source map scale - 1:2,500

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)

047 01	1938	1:2,500
047 05	1938	1:2,500

Historical Map - Segment A6



Order Details

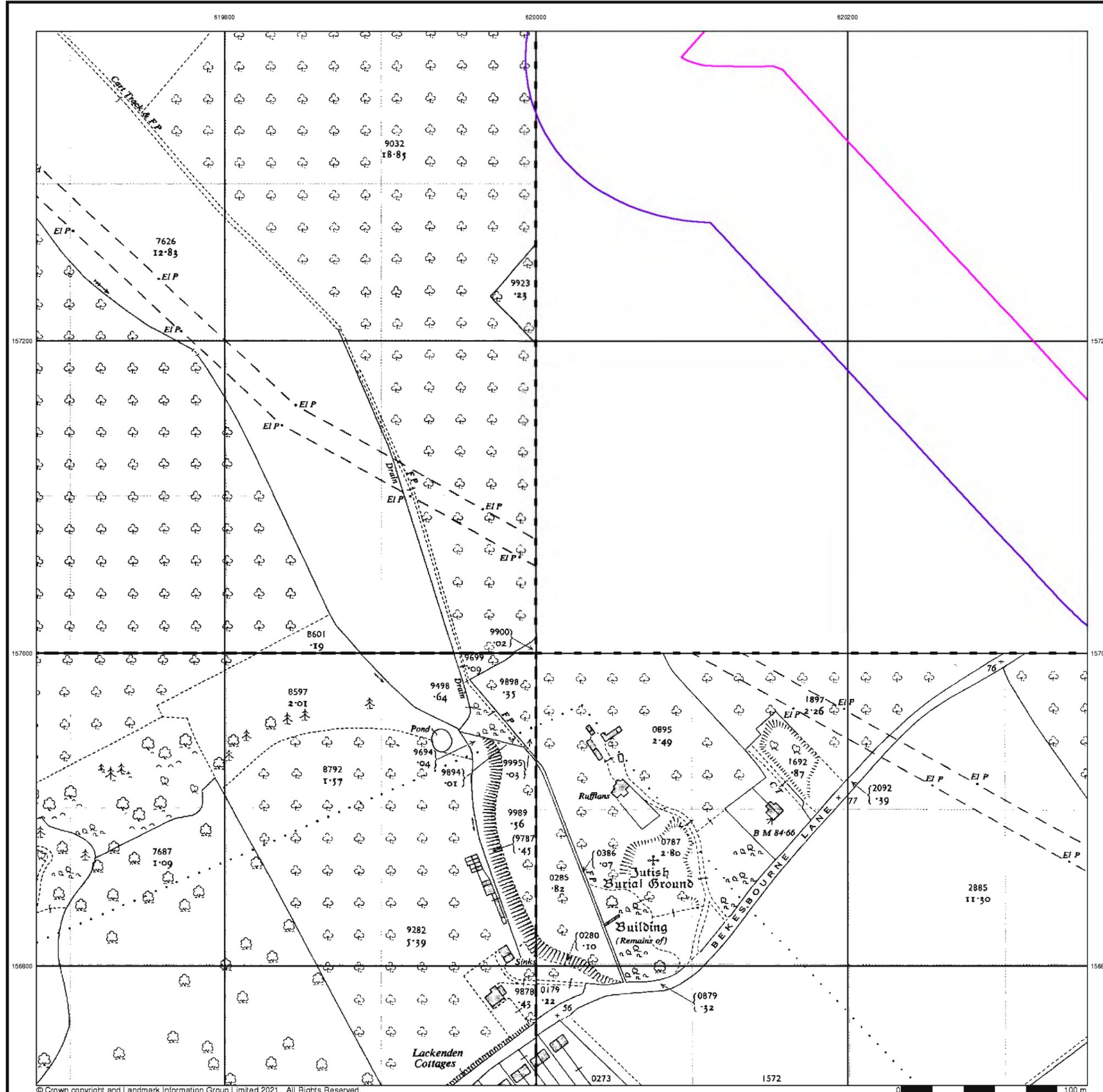
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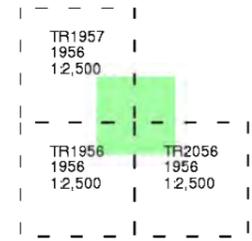
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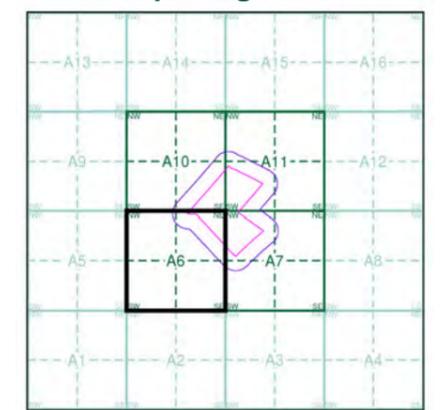
Ordnance Survey Plan
Published 1956
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6

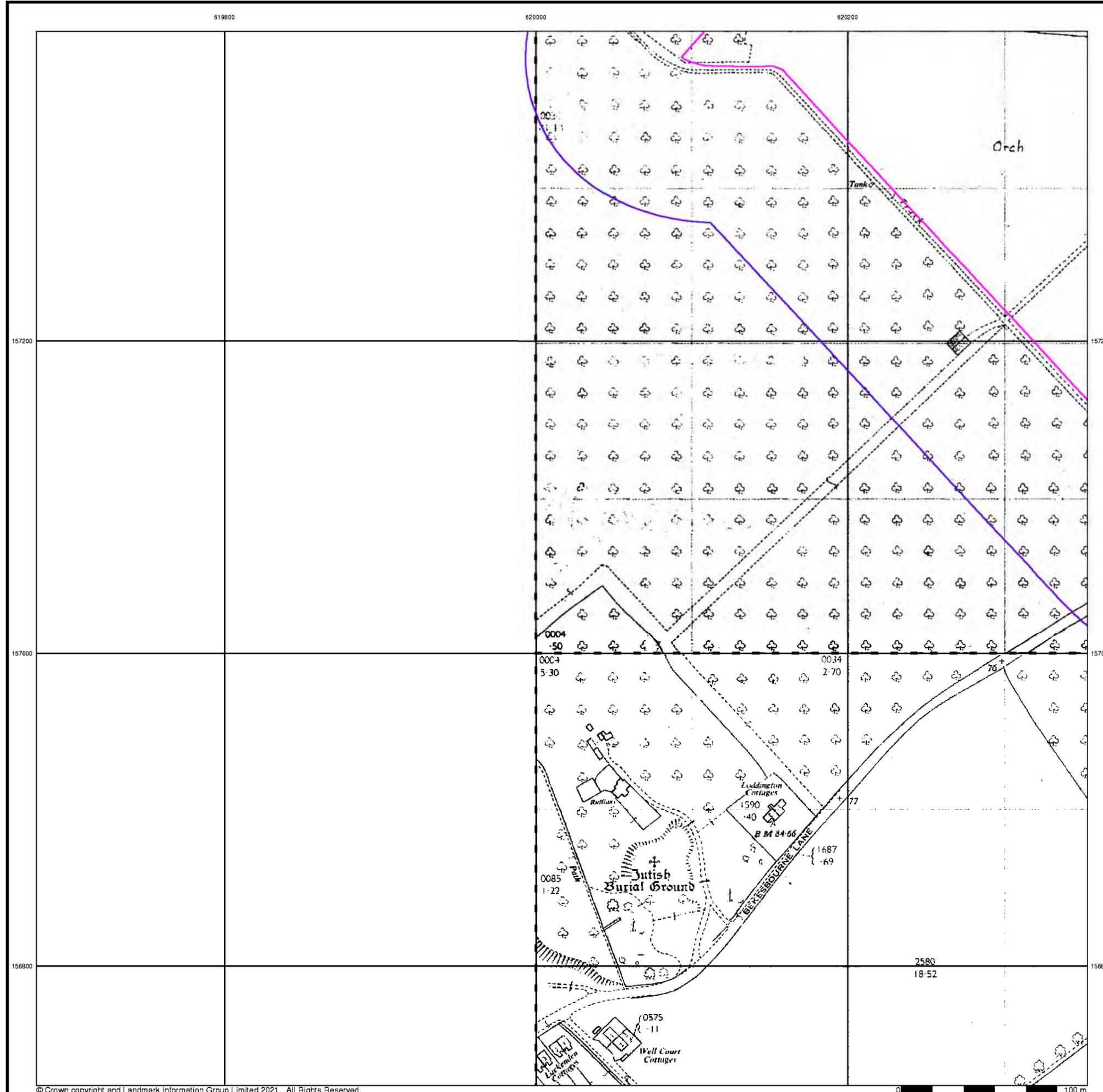


Order Details

Order Number: 271084147_1_1
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Site Details

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Supply of Unpublished Survey Information

Published 1975

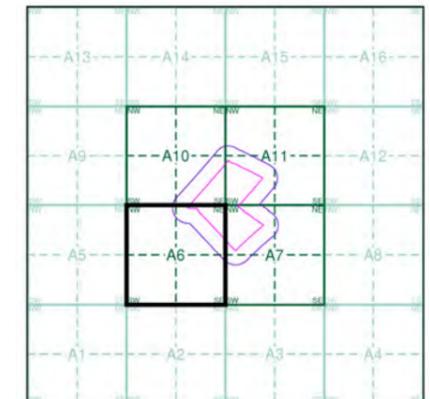
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR2057	1975	1:2,500
TR2056	1975	1:2,500

Historical Map - Segment A6

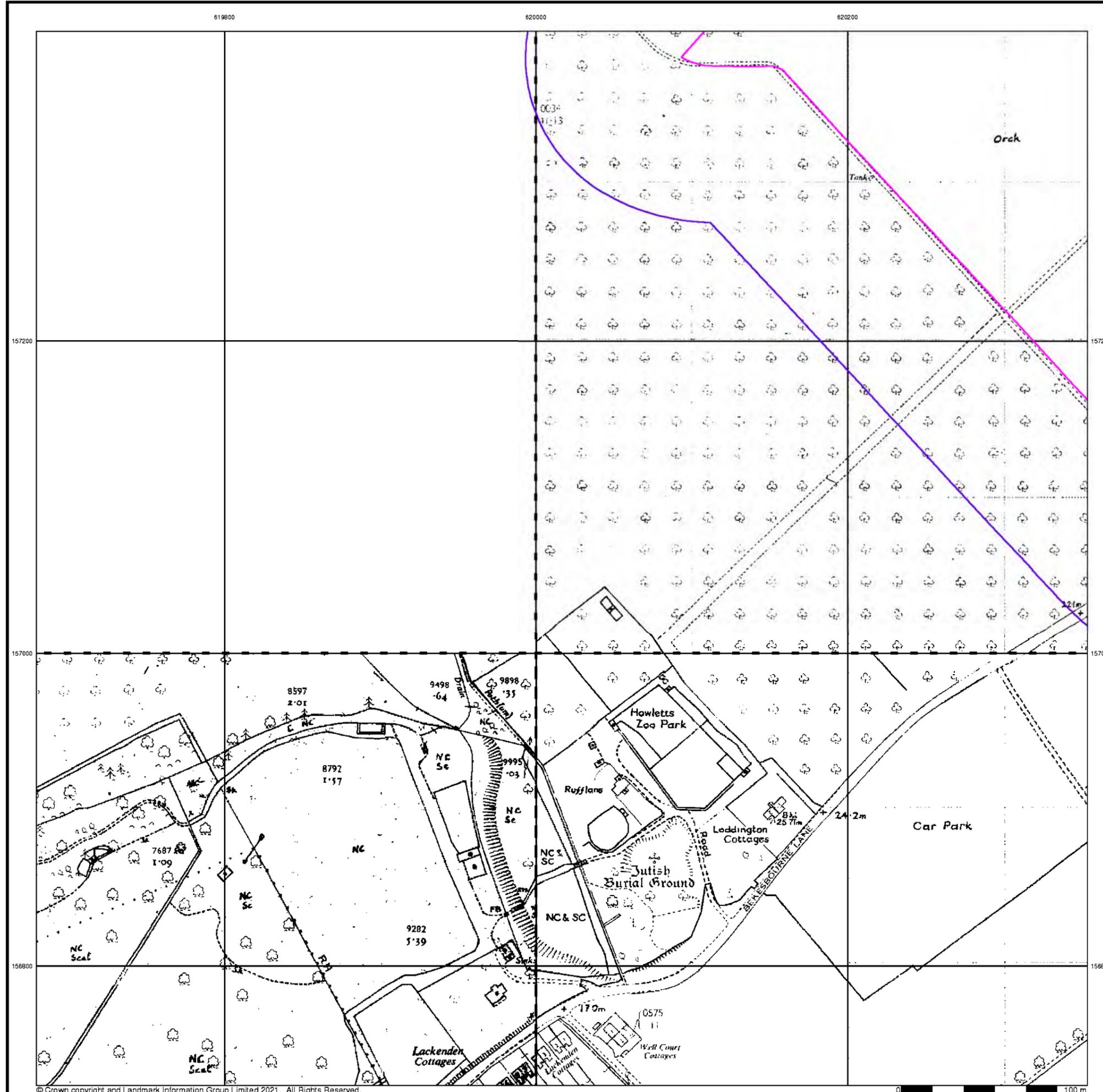


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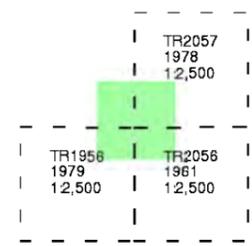
Additional SIMs

Published 1978 - 1981

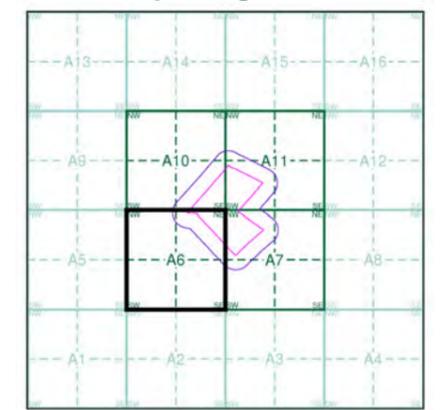
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6



Order Details

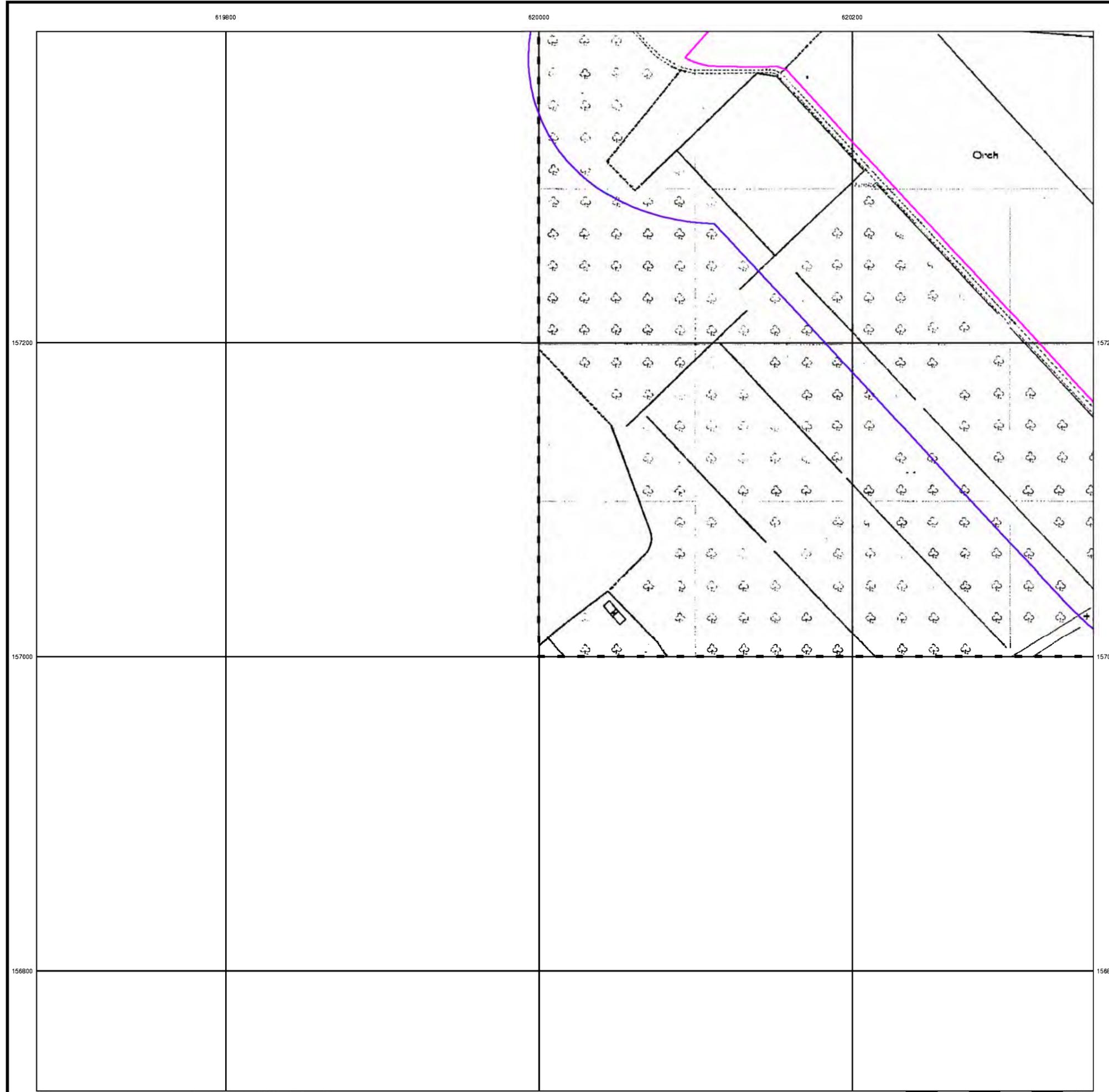
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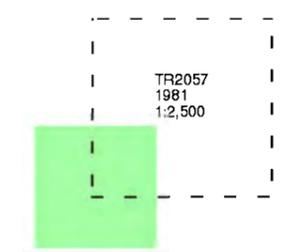
Additional SIMs

Published 1981

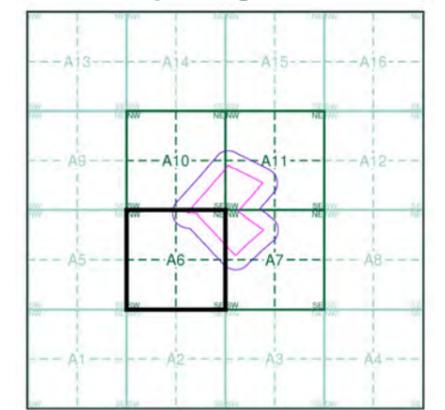
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6



Order Details

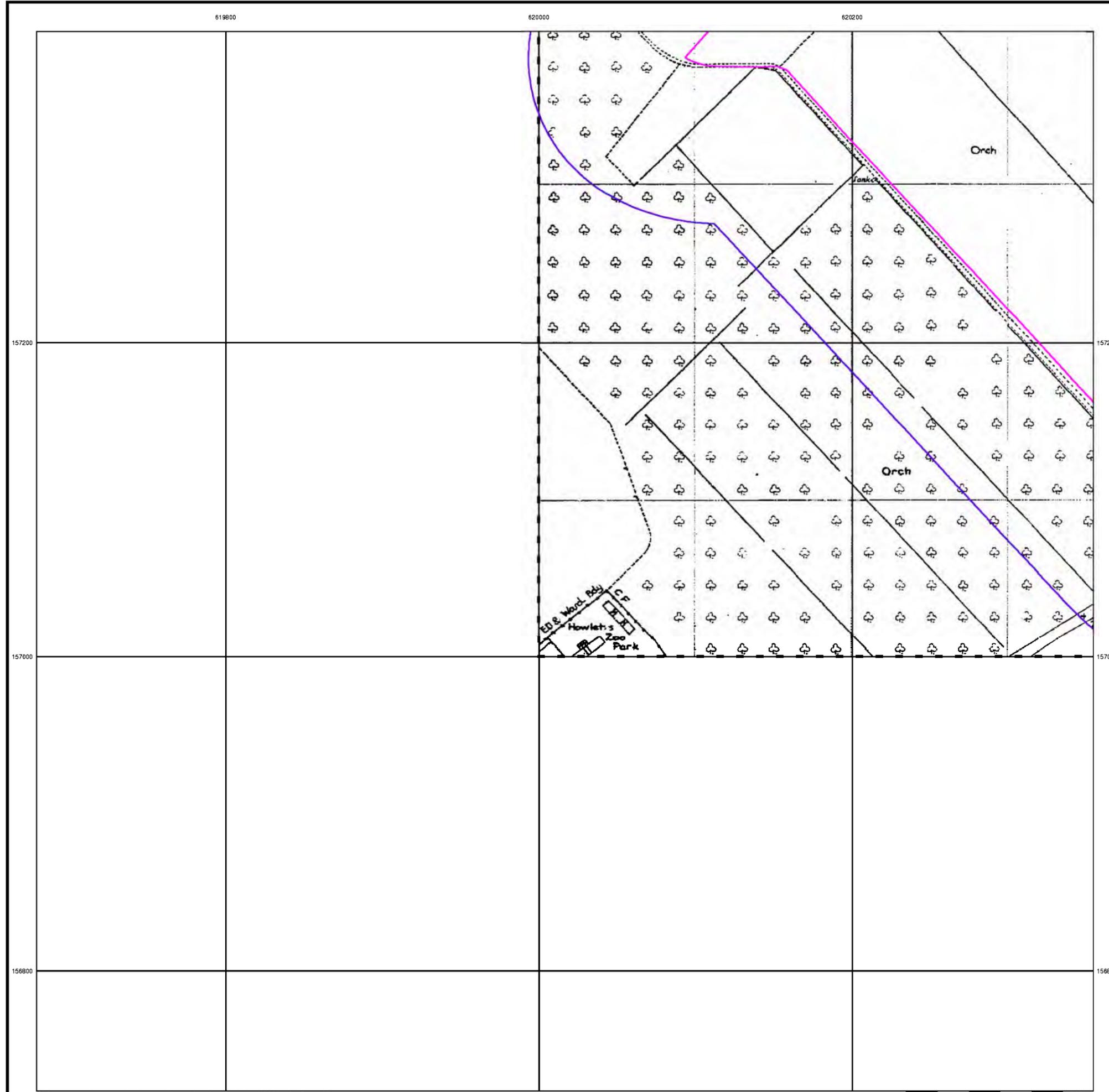
Order Number: 271084147_1_1
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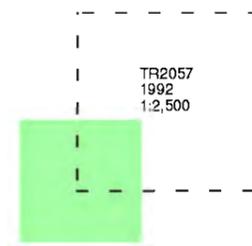
Additional SIMs

Published 1992

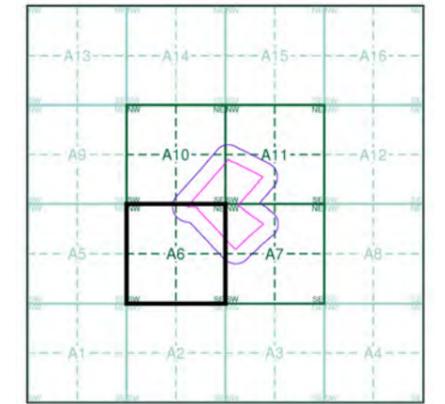
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6



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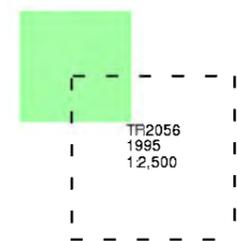
Large-Scale National Grid Data

Published 1995

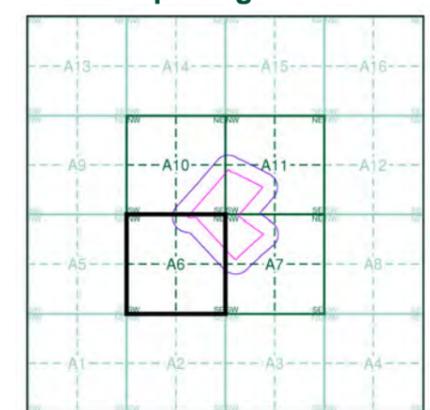
Source map scale - 1:2,500

'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)



Historical Map - Segment A6



Order Details

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619800

620000

620200



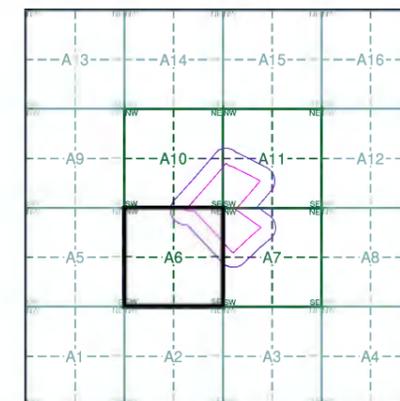
Historical Aerial Photography

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 A6



Order Details

Order Number: 271084147_1_1
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 National Grid Reference: 620390, 157400
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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)
Boundary Post or Stone **Police Call Box**
B.R. Bridle Road **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**
N.T.L. Normal Tidal Limit **Wd Pp Wind Pump**

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

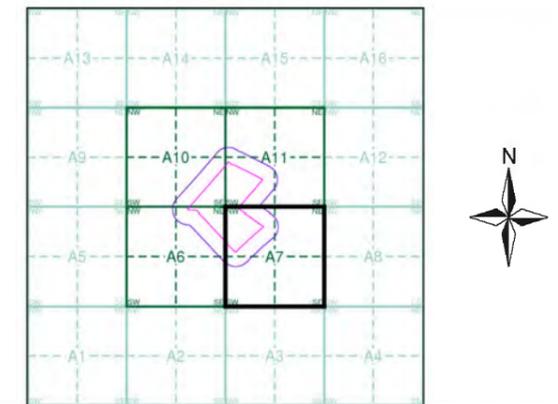
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds**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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1872 - 1873	2
Kent	1:2,500	1897	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1956	6
Ordnance Survey Plan	1:2,500	1966 - 1967	7
Supply of Unpublished Survey Information	1:2,500	1975	8
Additional SIMs	1:2,500	1978 - 1982	9
Additional SIMs	1:2,500	1981	10
Additional SIMs	1:2,500	1992	11
Large-Scale National Grid Data	1:2,500	1993	12
Large-Scale National Grid Data	1:2,500	1995	13
Historical Aerial Photography	1:2,500	1999	14

Historical Map - Segment A7



Order Details

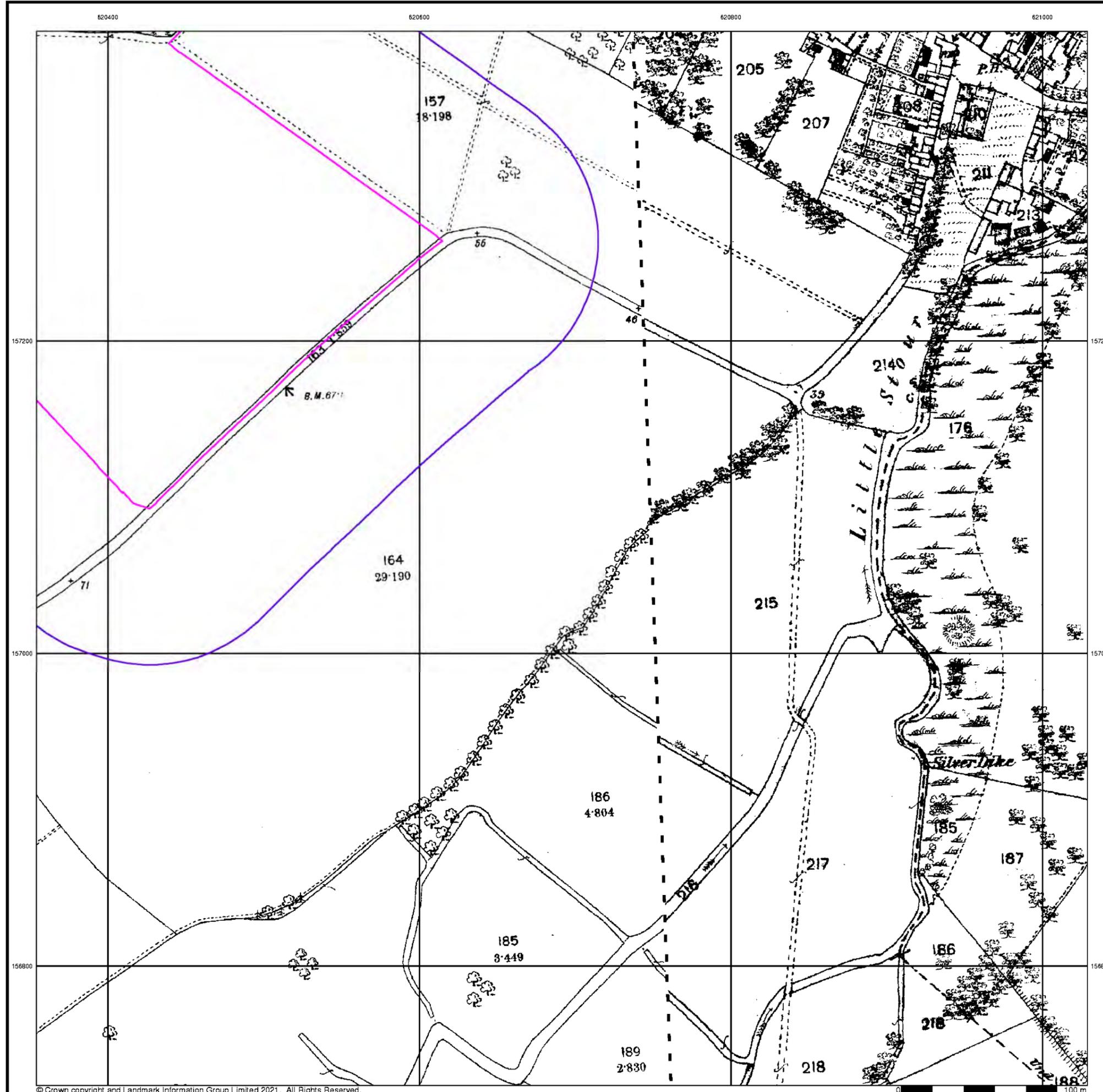
Order Number: 271084147_1_1
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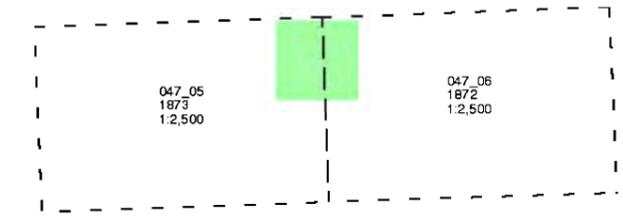
Kent

Published 1872 - 1873

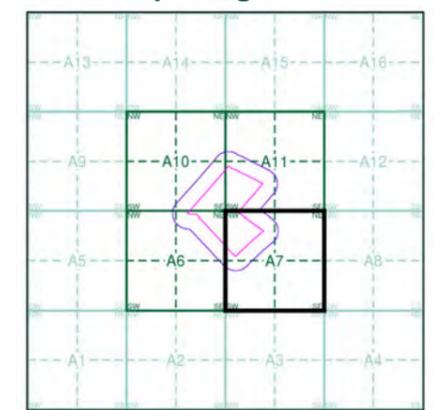
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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 A7



Order Details

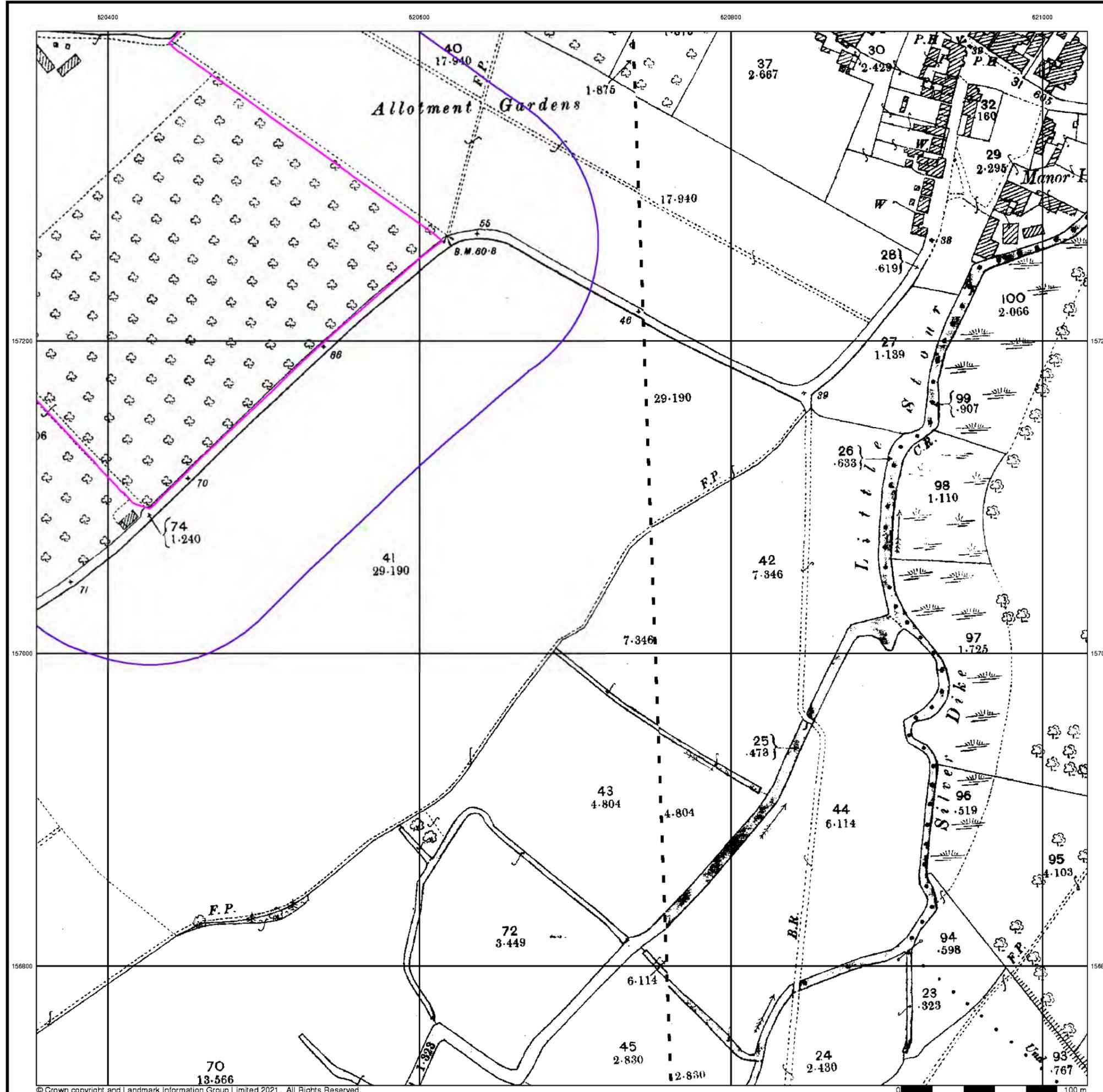
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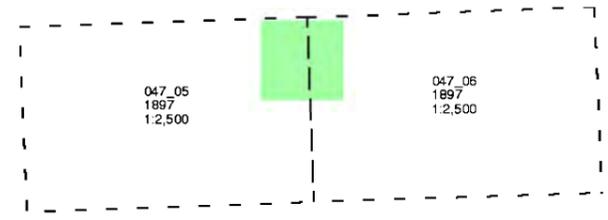
Kent

Published 1897

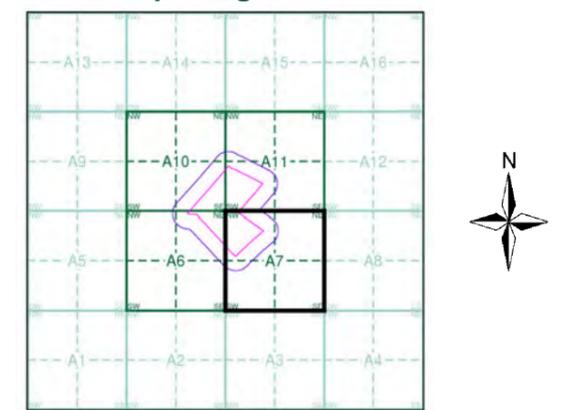
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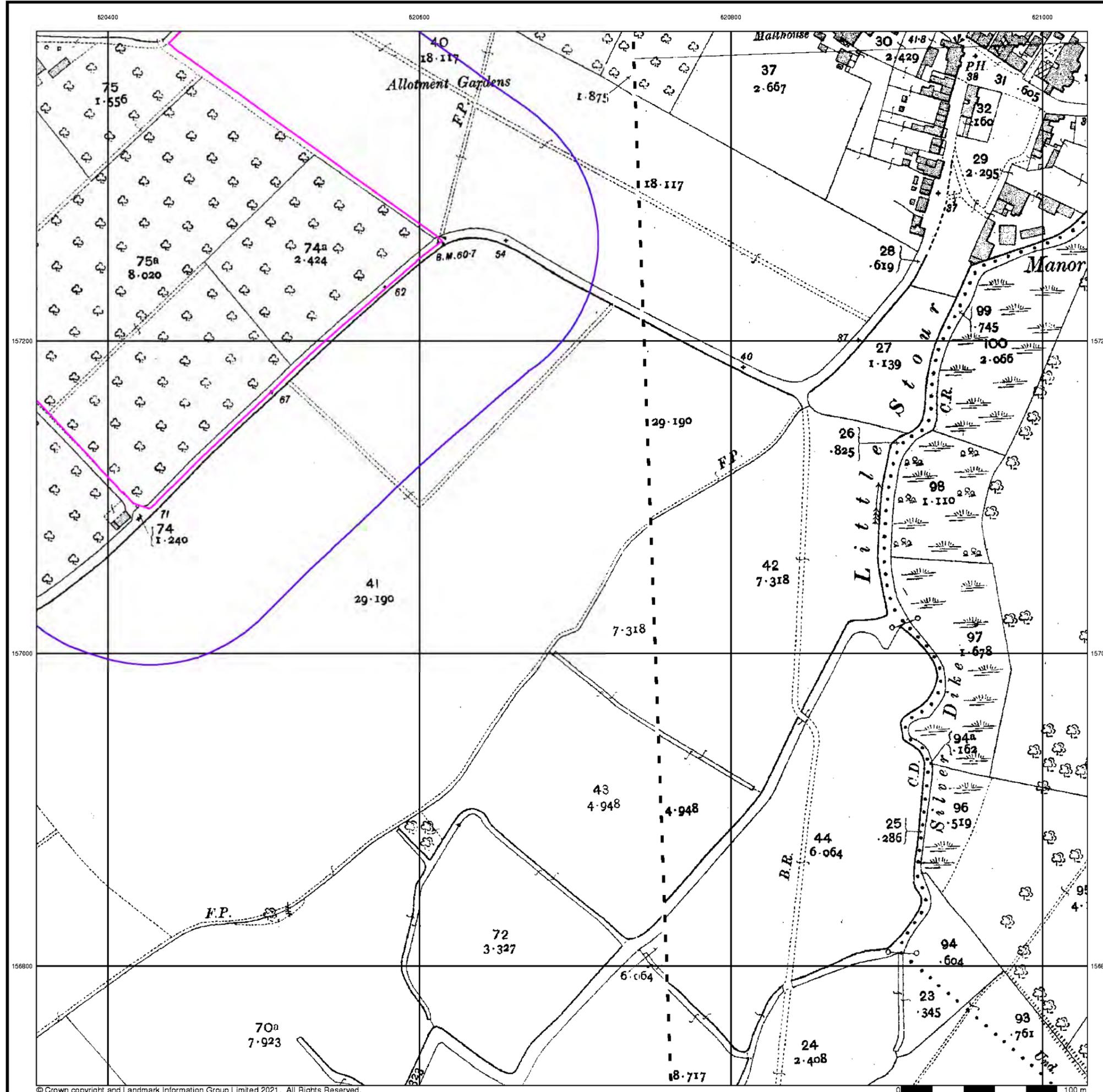
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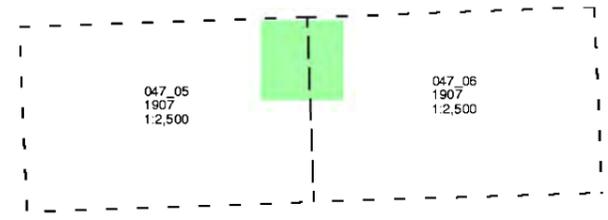
Kent

Published 1907

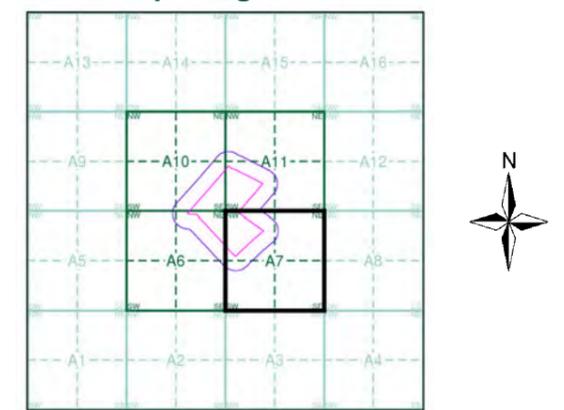
Source map scale - 1:2,500

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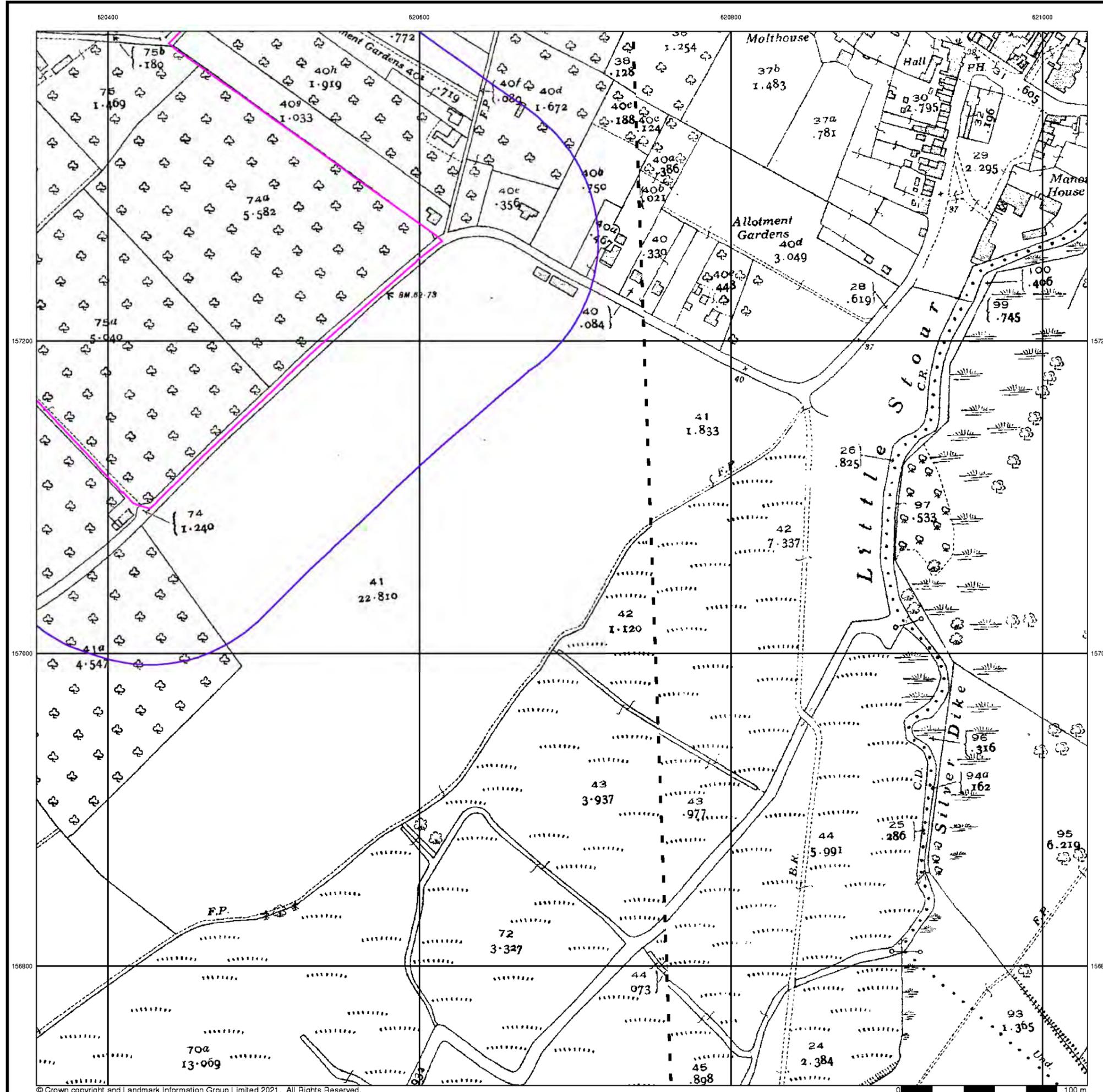
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Site Details

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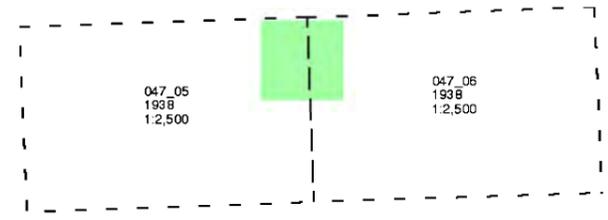
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



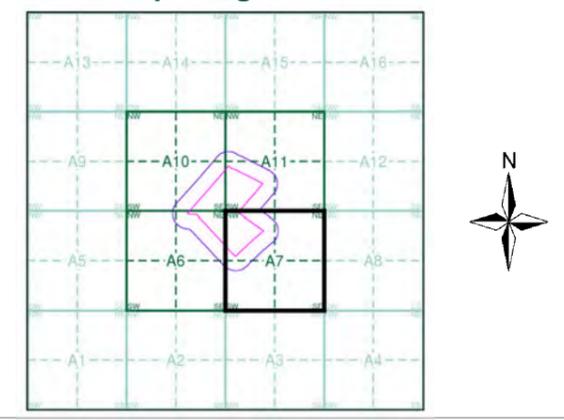
Kent
Published 1938
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



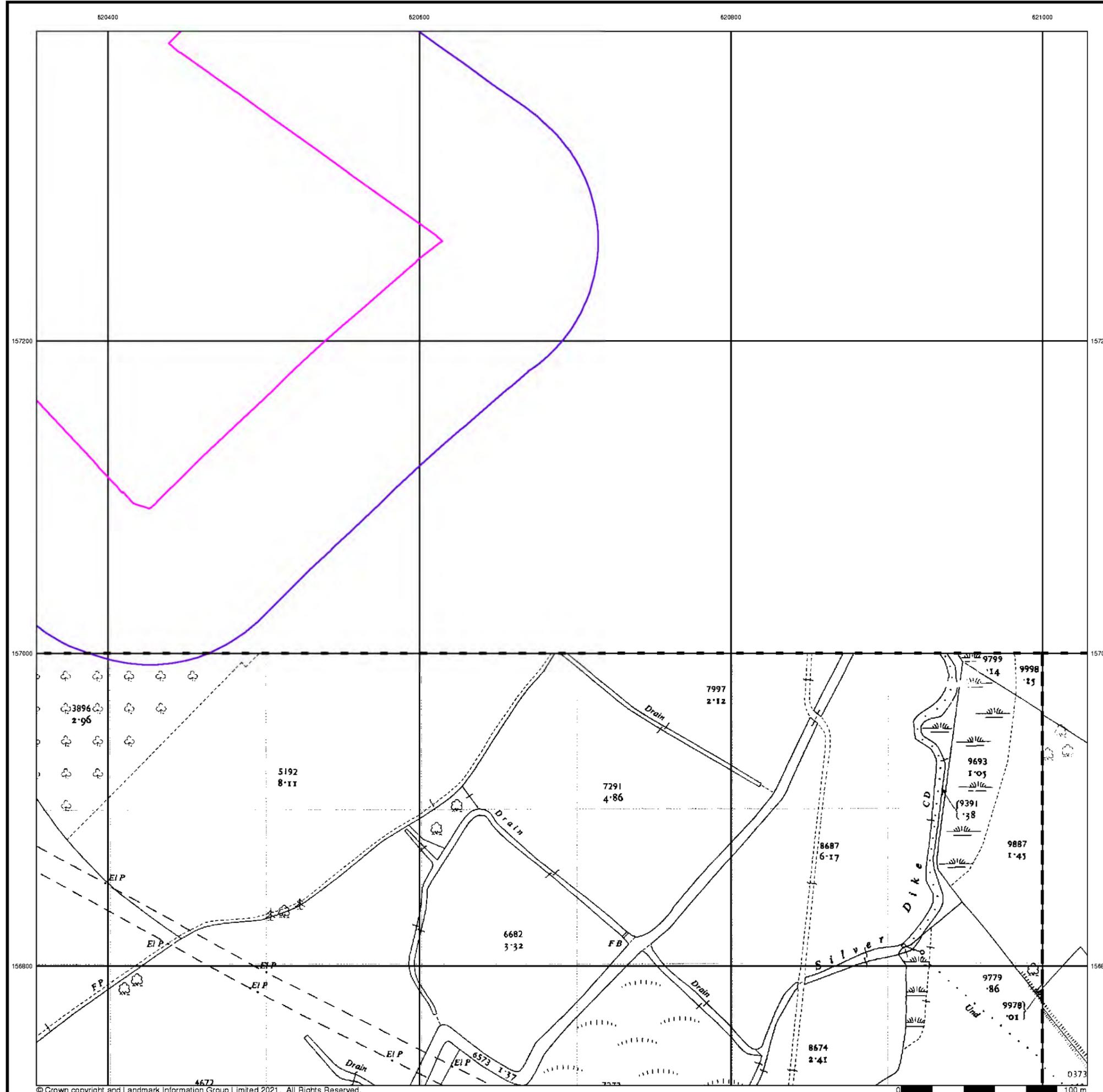
Historical Map - Segment A7



Order Details
 Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details
 8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE

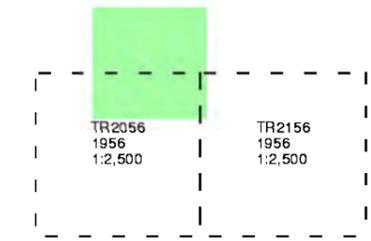
Landmark
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 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



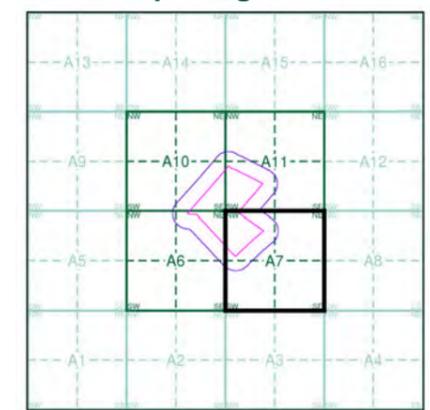
Ordnance Survey Plan
Published 1956
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A7

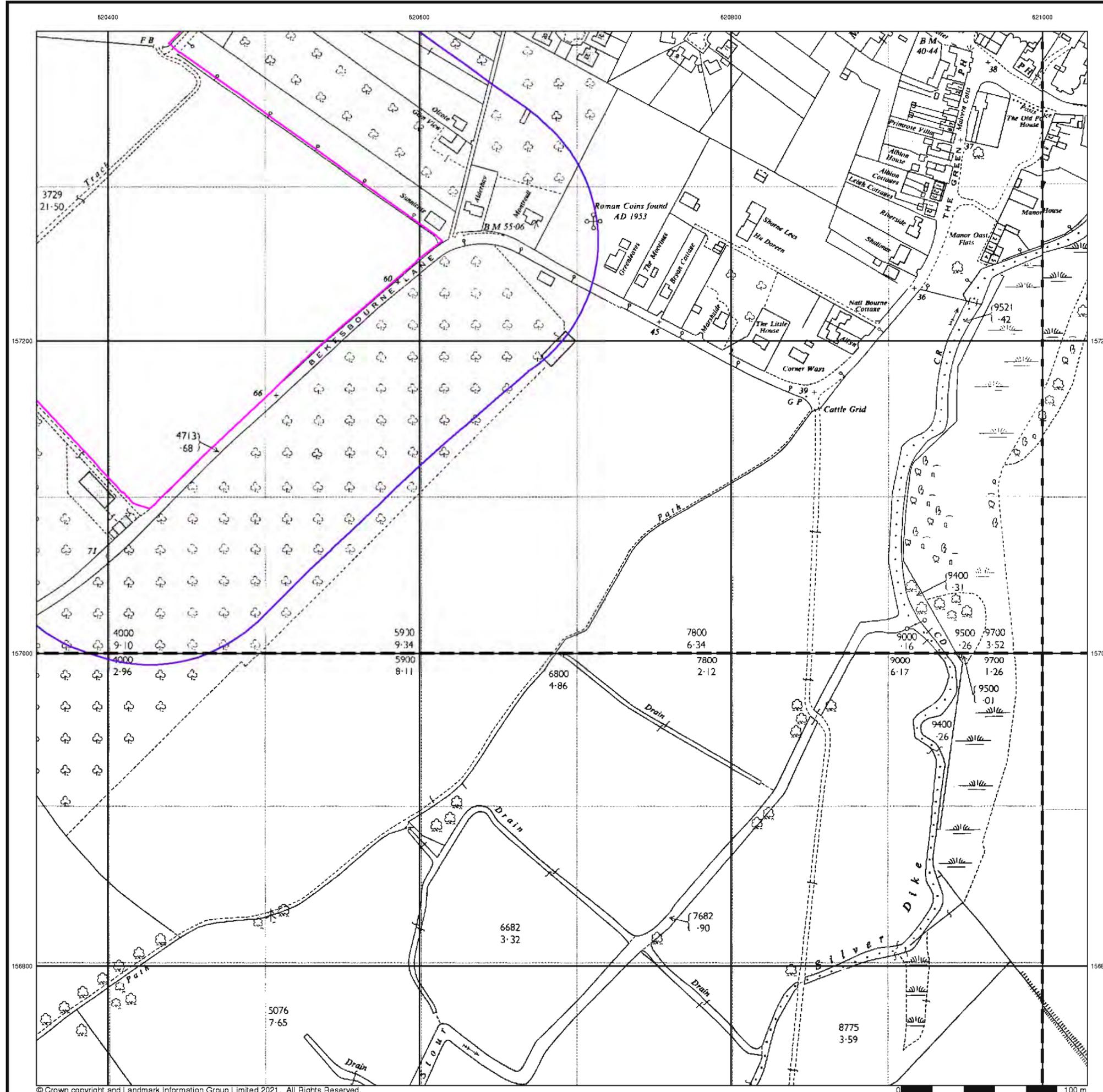


Order Details
 Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
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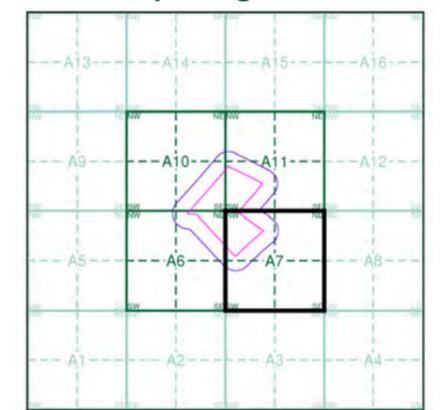
Ordnance Survey Plan
Published 1966 - 1967
Source map scale - 1:2,500

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)

TR2057 1966 12,500	TR2157 1966 12,500
TR2056 1967 12,500	TR2156 1967 12,500

Historical Map - Segment A7



Order Details

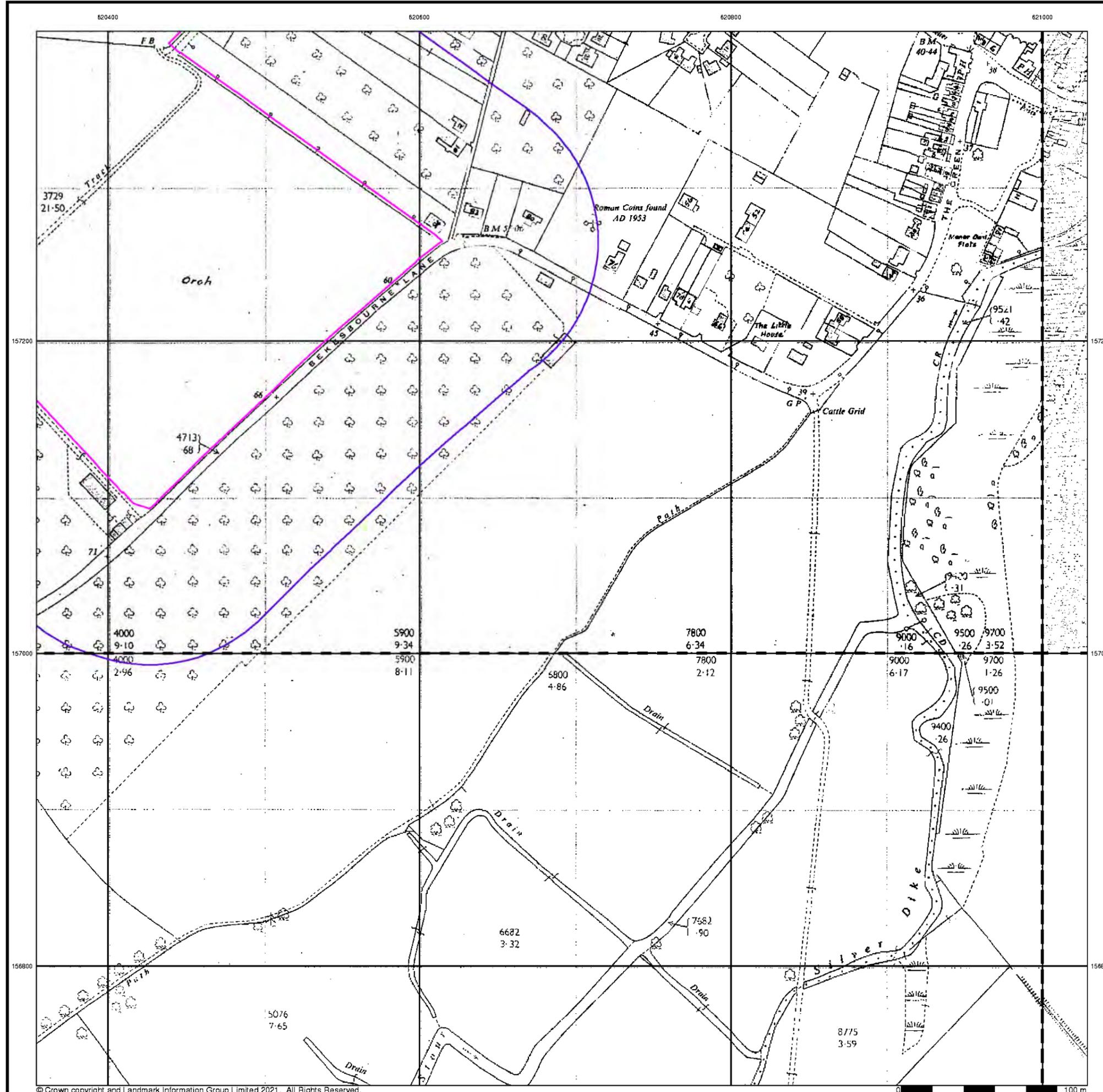
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 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

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Supply of Unpublished Survey Information

Published 1975

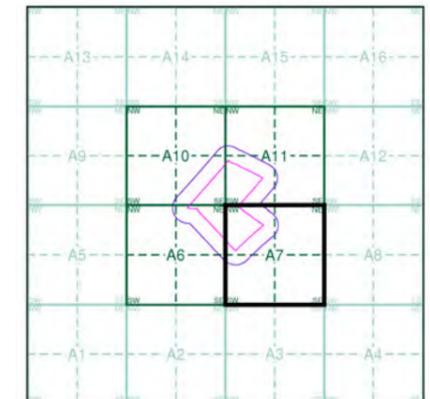
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR2057 1975 1:2,500	TR2157 1975 1:2,500
TR2056 1975 1:2,500	TR2156 1975 1:2,500

Historical Map - Segment A7



Order Details

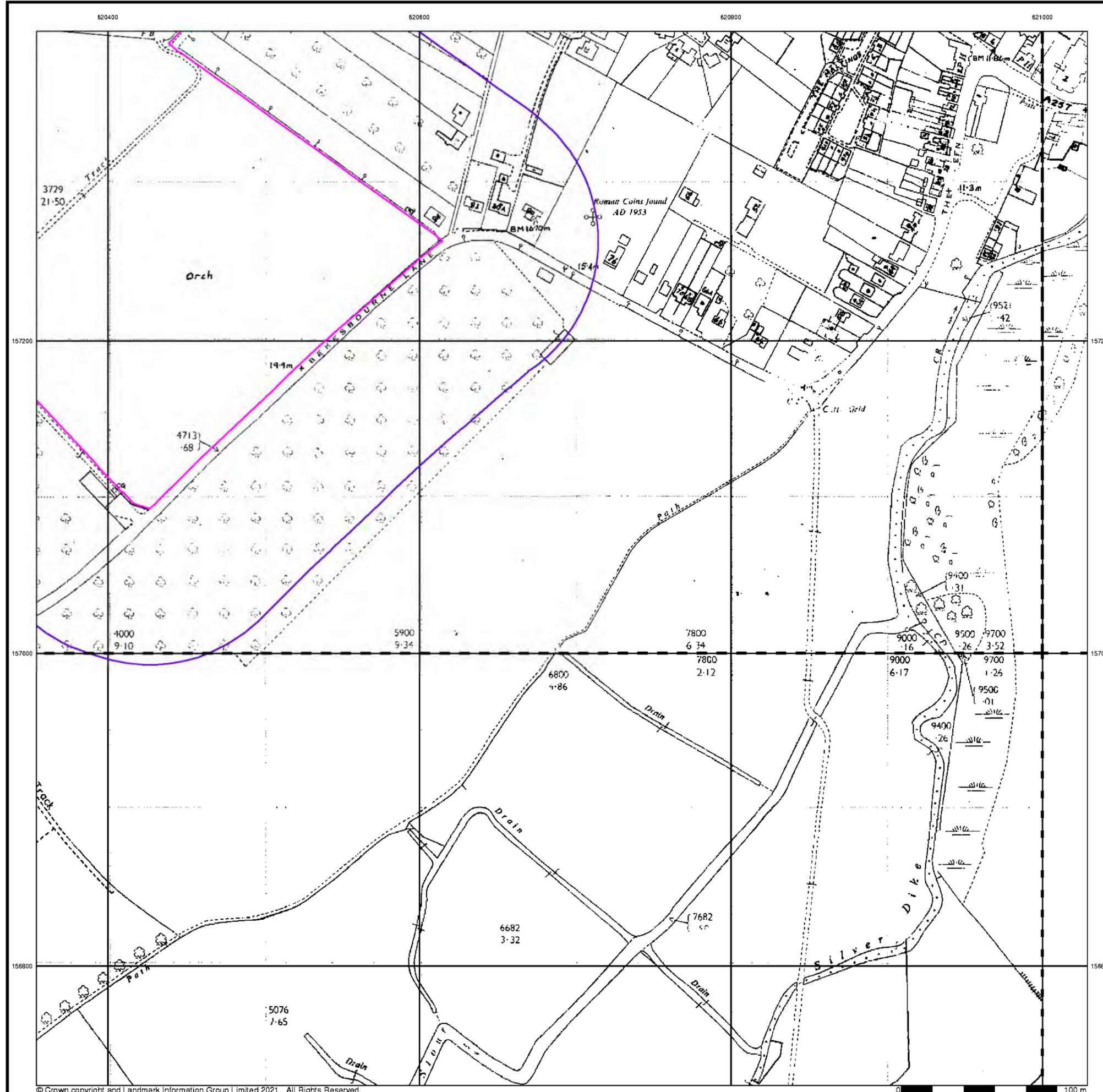
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 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1978 - 1982

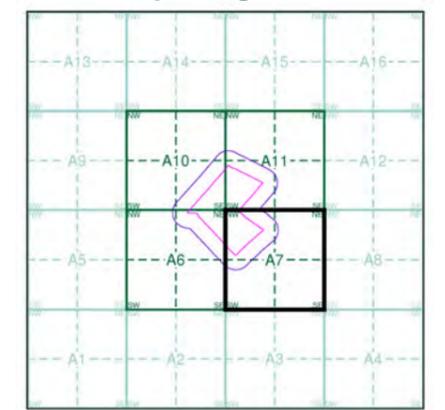
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR2057 1978 1:2,500	TR2157 1982 1:2,500
TR2056 1981 1:2,500	

Historical Map - Segment A7



Order Details

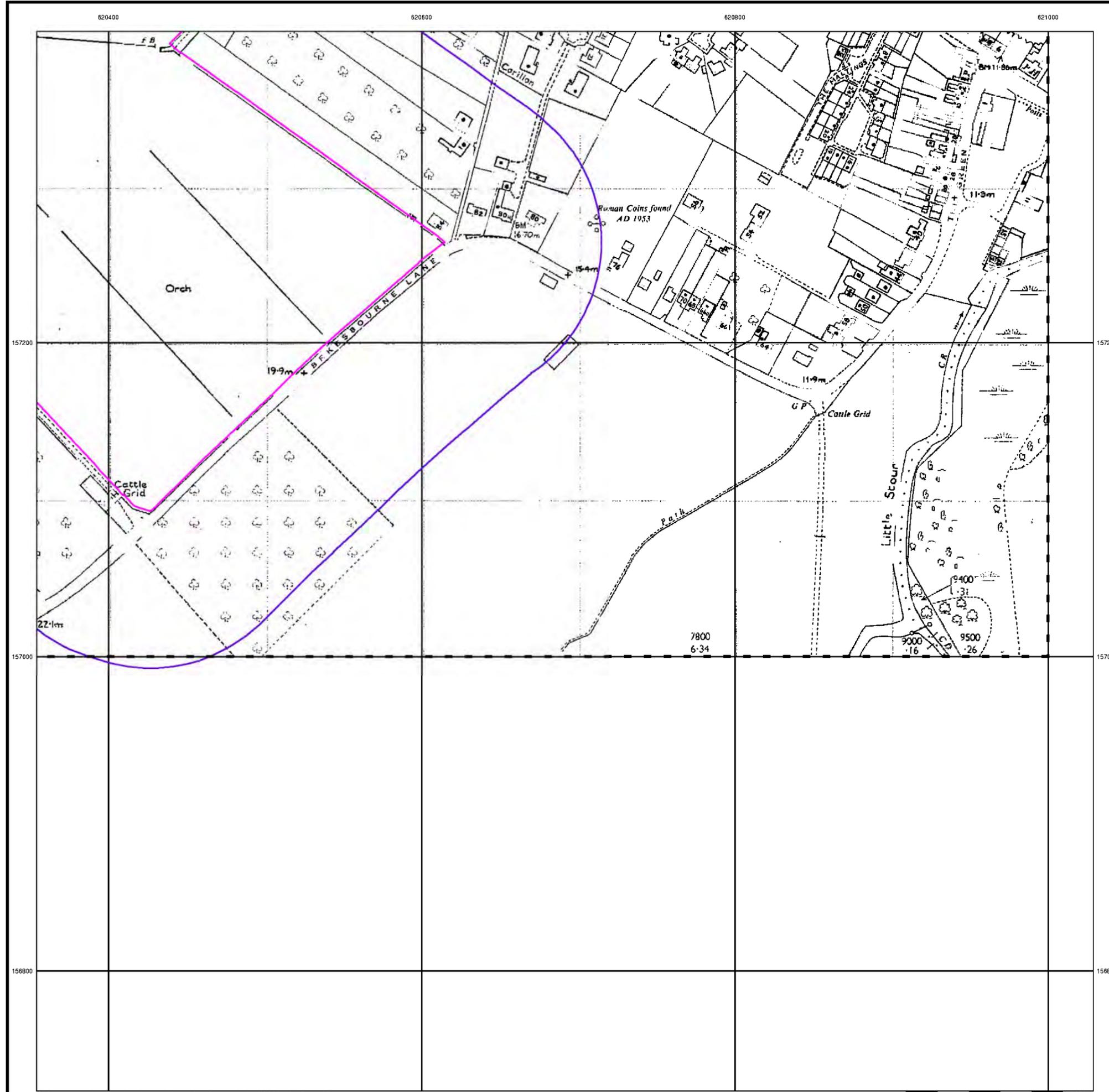
Order Number: 271084147_1_1
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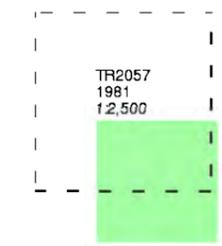
Additional SIMs

Published 1981

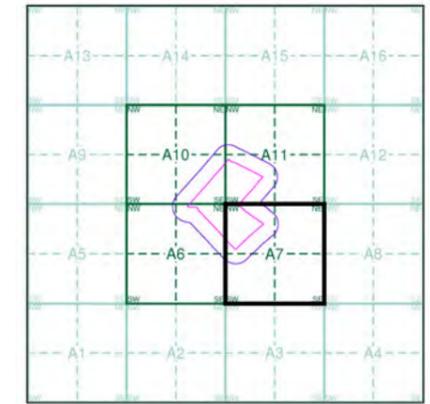
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A7



Order Details

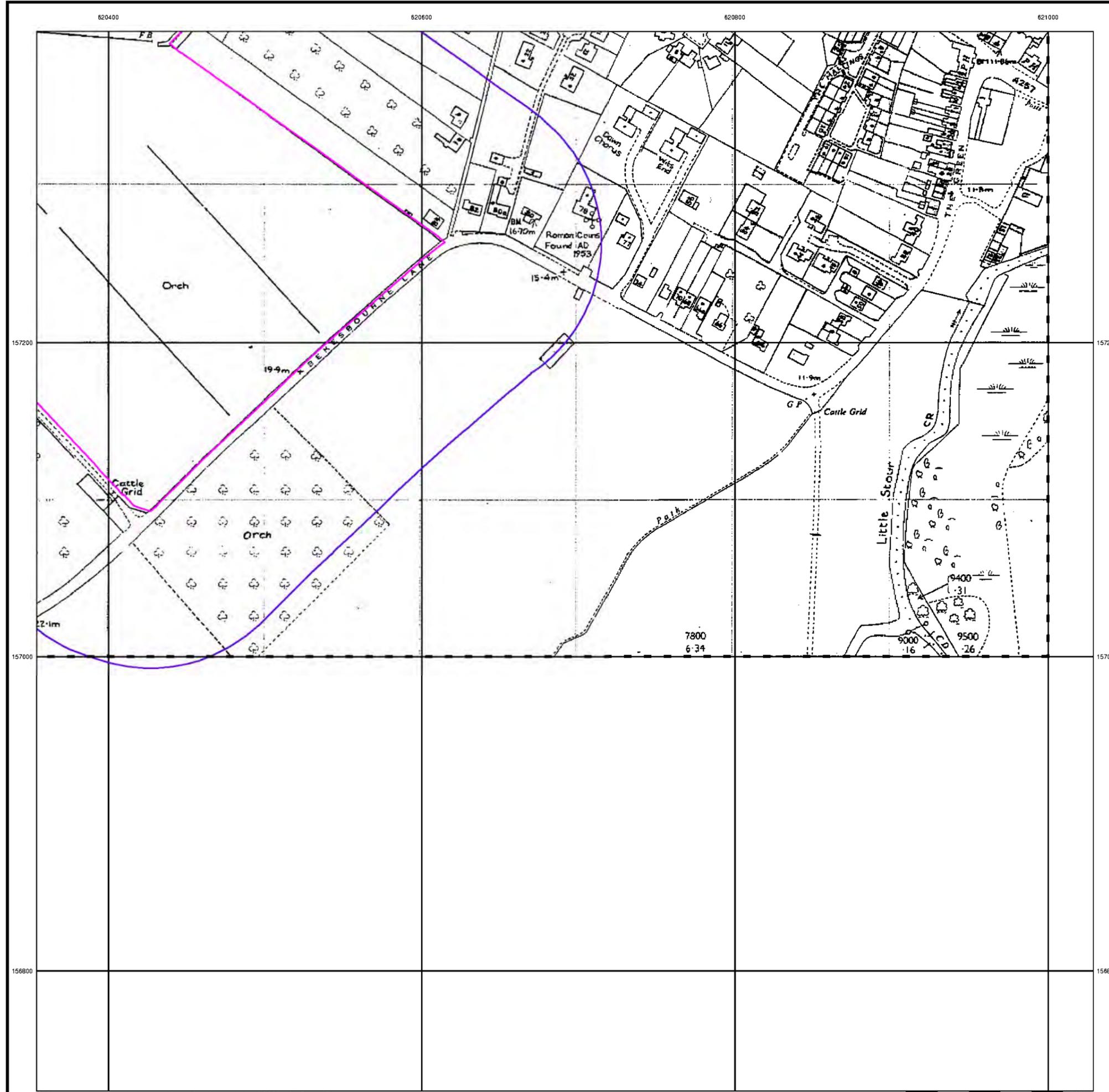
Order Number: 271084147_1_1
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 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
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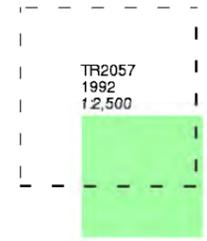
Additional SIMs

Published 1992

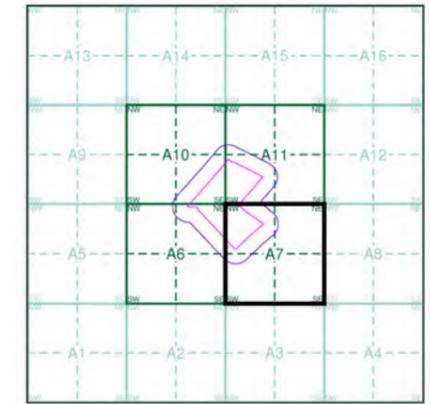
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A7



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

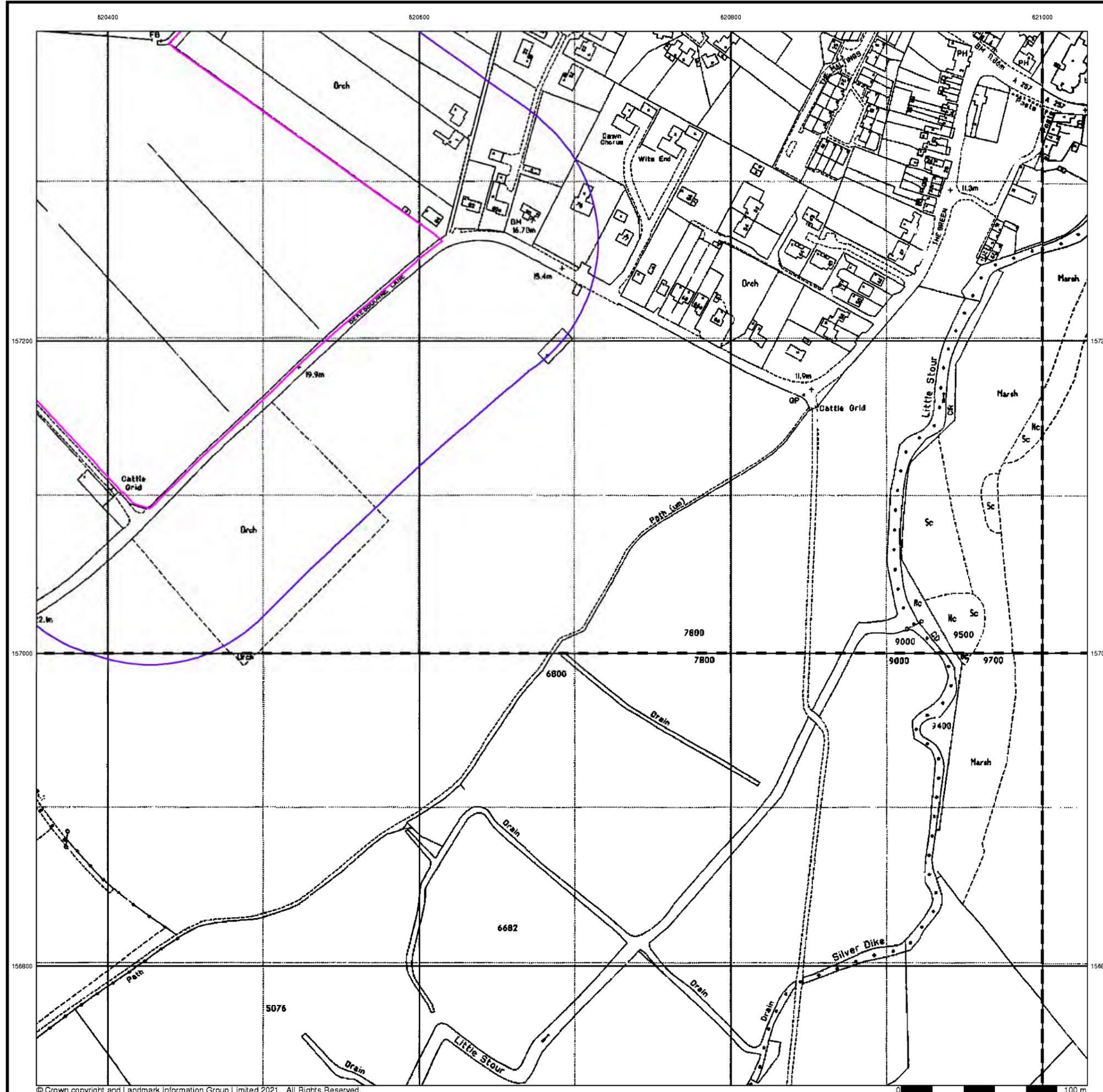
Site Details

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Large-Scale National Grid Data

Published 1993

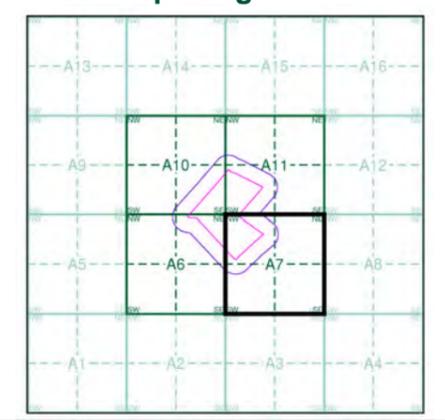
Source map scale - 1:2,500

'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)

TR2057 1993 1:2,500	TR2157 1993 1:2,500
TR2056 1993 1:2,500	TR2156 1993 1:2,500

Historical Map - Segment A7



Order Details

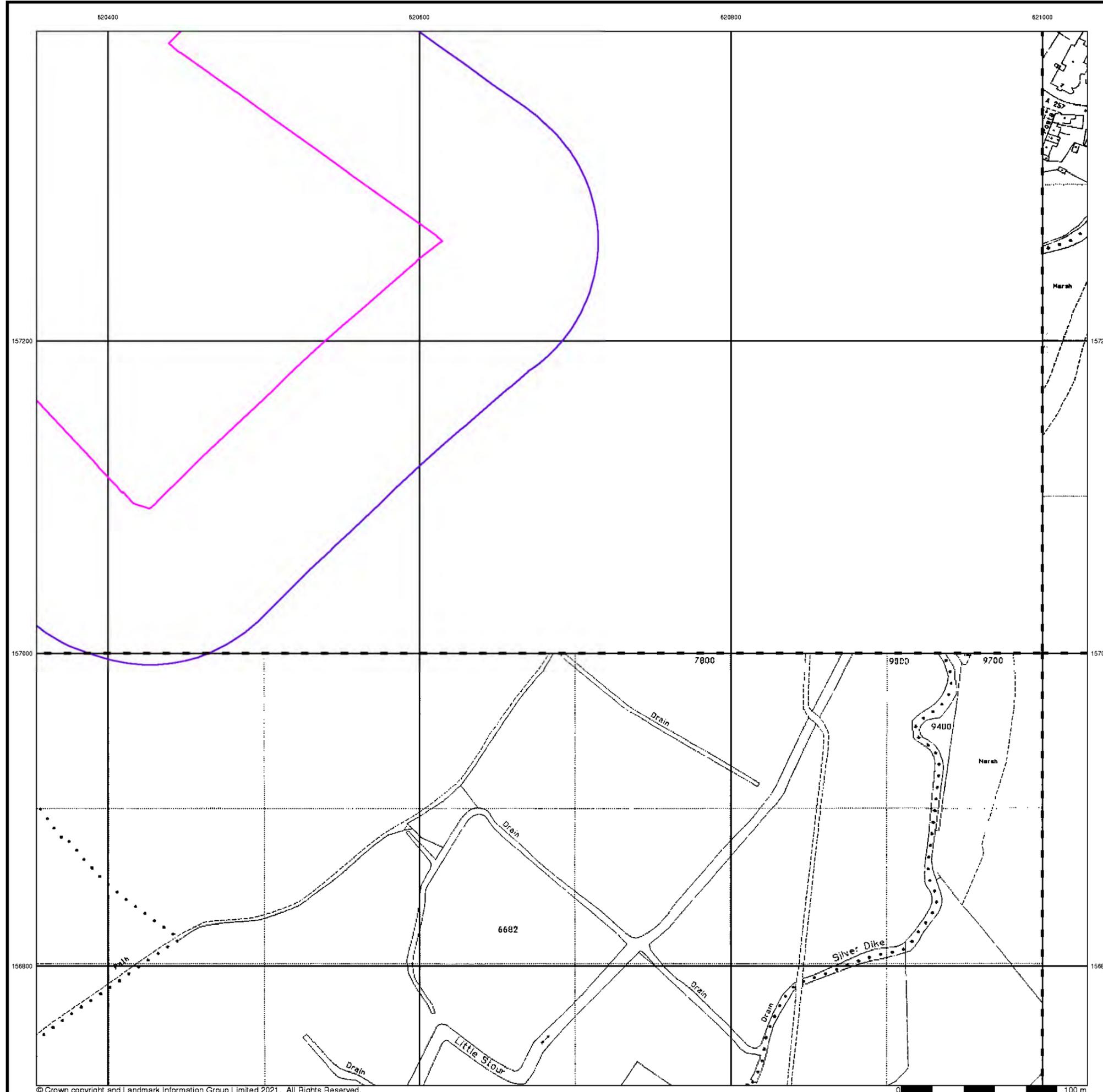
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
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 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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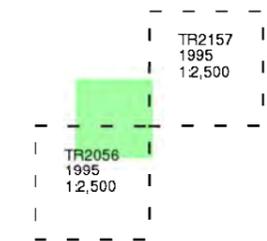
Large-Scale National Grid Data

Published 1995

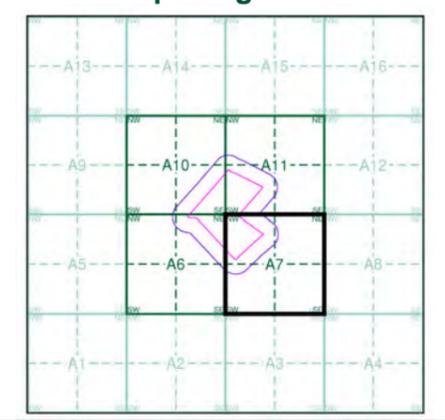
Source map scale - 1:2,500

'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)



Historical Map - Segment A7



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
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620400

620600

620800

621000



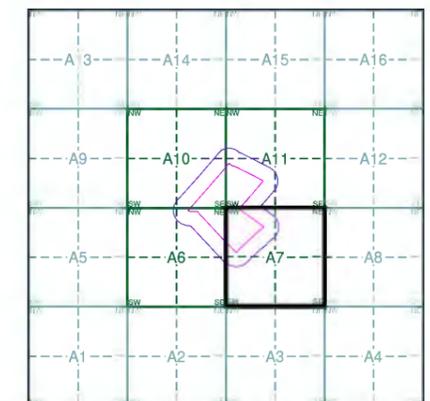
Historical Aerial Photography

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 A7



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

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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)
Boundary Post or Stone **Police Call Box**
B.R. Bridle Road **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**
N.T.L. Normal Tidal Limit **Wd Pp Wind Pump**

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

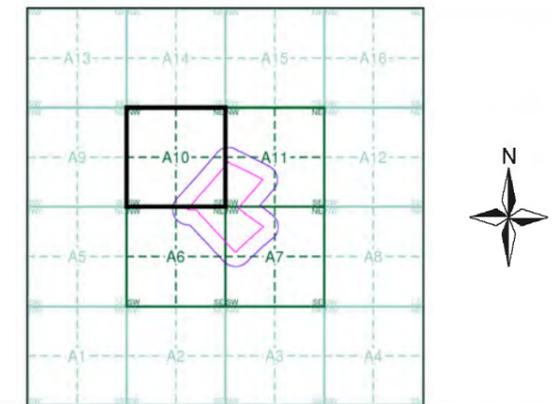
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds**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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1897	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1956	6
Additional SIMs	1:2,500	1956 - 1978	7
Ordnance Survey Plan	1:2,500	1966 - 1978	8
Supply of Unpublished Survey Information	1:2,500	1975	9
Additional SIMs	1:2,500	1978 - 1981	10
Additional SIMs	1:2,500	1986 - 1992	11
Large-Scale National Grid Data	1:2,500	1992 - 1993	12
Large-Scale National Grid Data	1:2,500	1995	13
Historical Aerial Photography	1:2,500	1999	14

Historical Map - Segment A10



Order Details

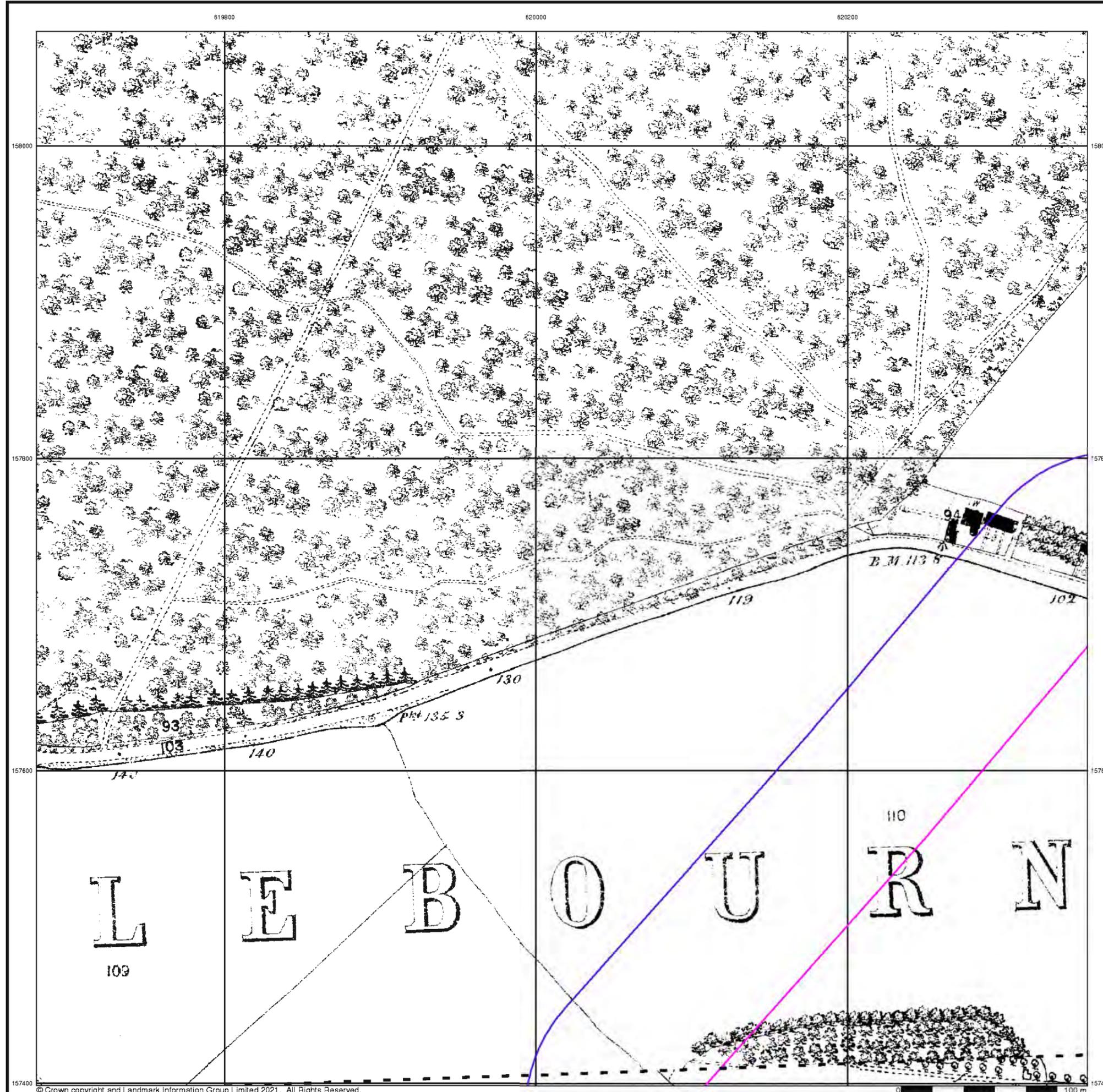
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

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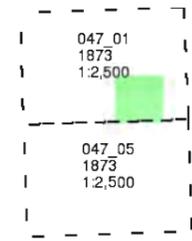
Kent

Published 1873

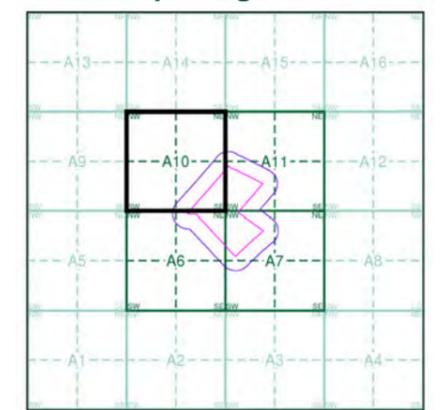
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A10



Order Details

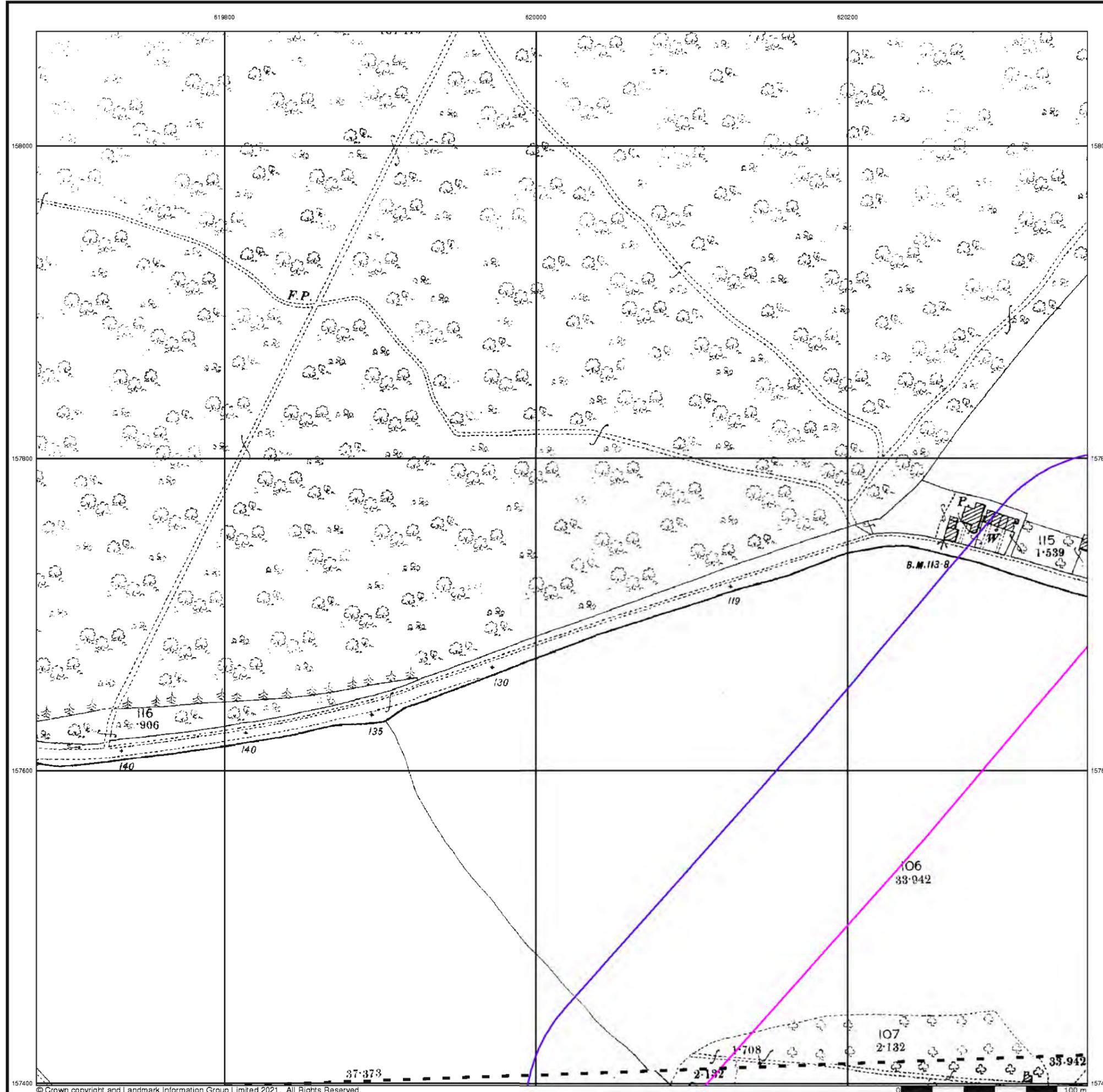
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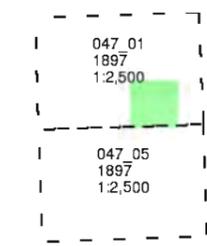
Kent

Published 1897

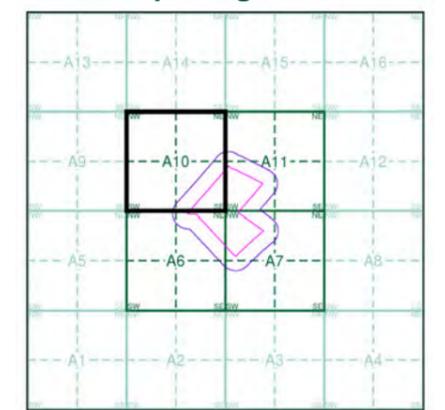
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A10



Order Details

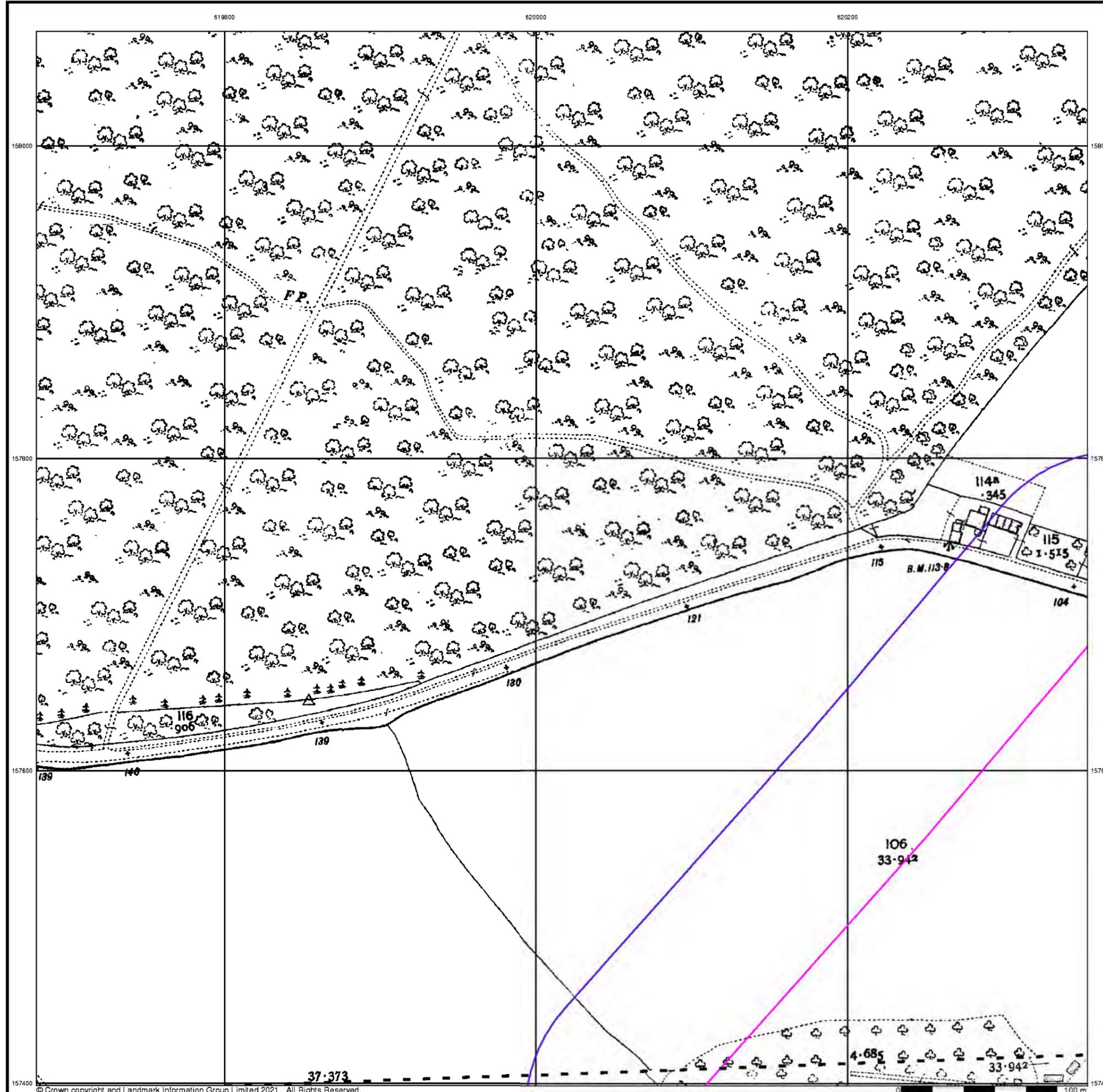
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
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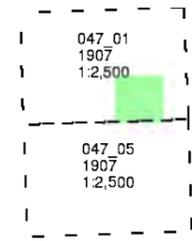
Kent

Published 1907

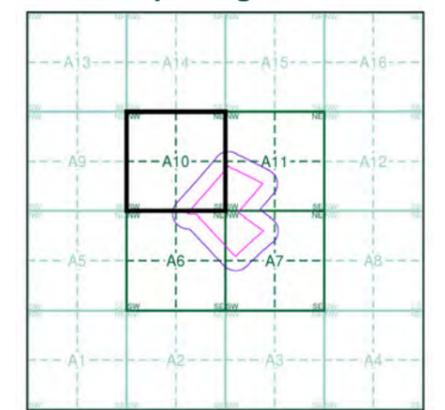
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A10



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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



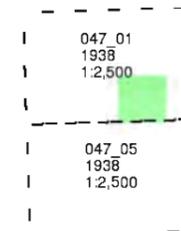
Kent

Published 1938

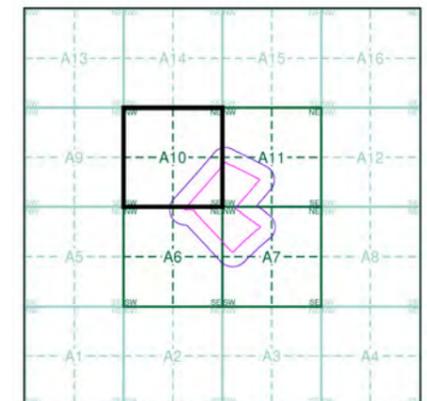
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A10



Order Details

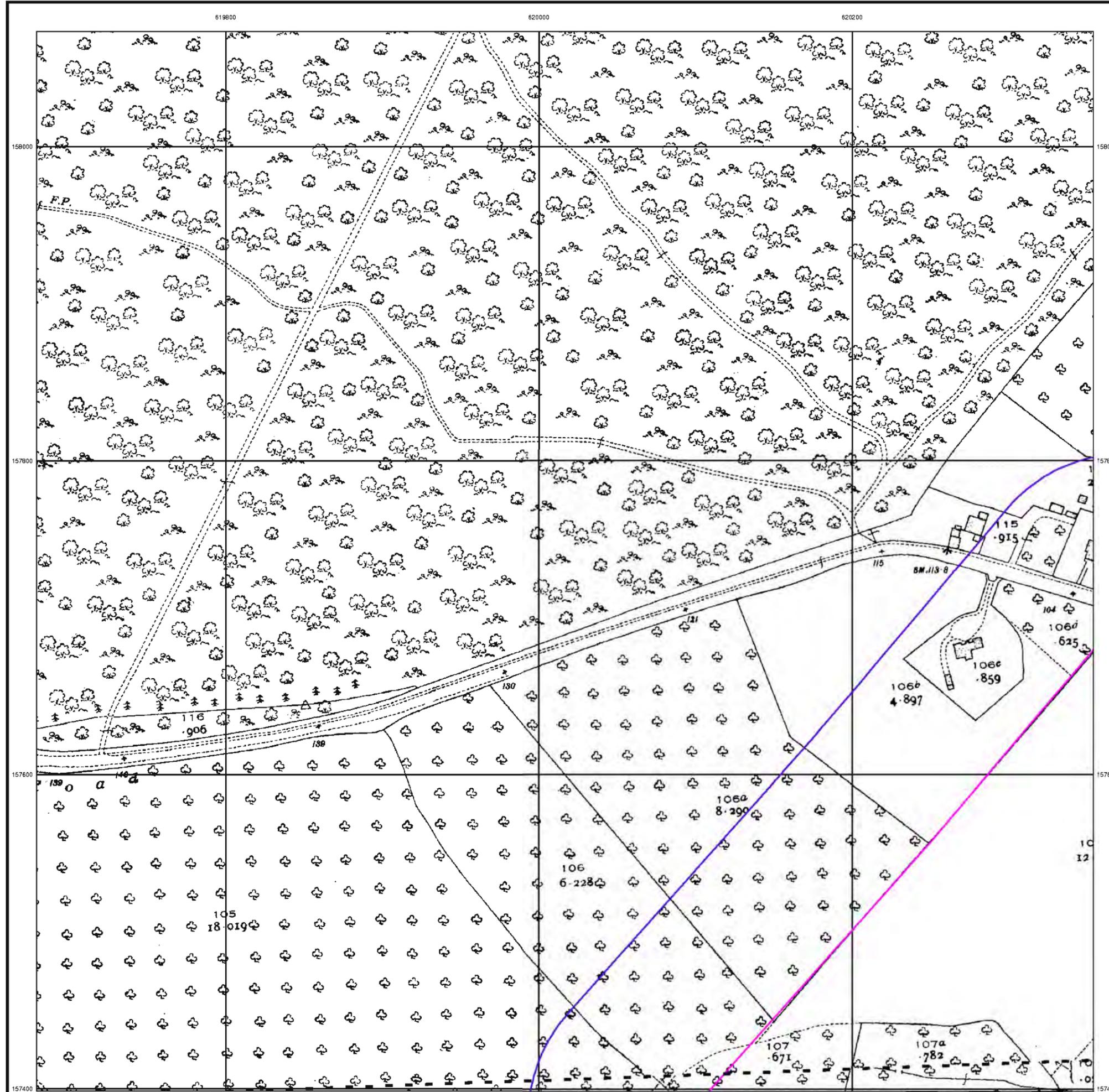
Order Number: 271084147_1_1
Customer Ref: 52212
National Grid Reference: 620390, 157400
Slice: A
Site Area (Ha): 15.85
Search Buffer (m): 100

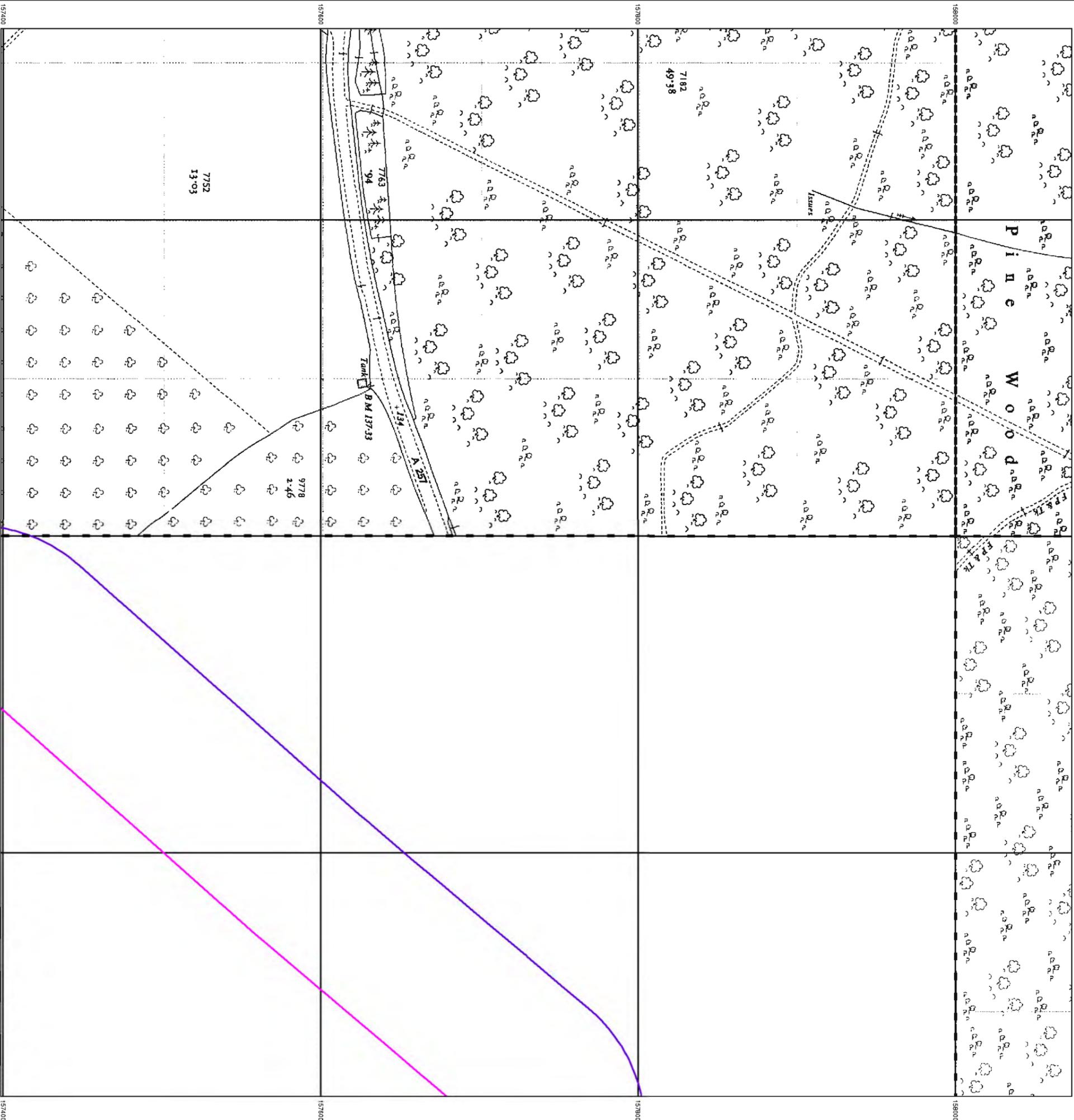
Site Details

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RSK

Ordnance Survey Plan

Published 1956

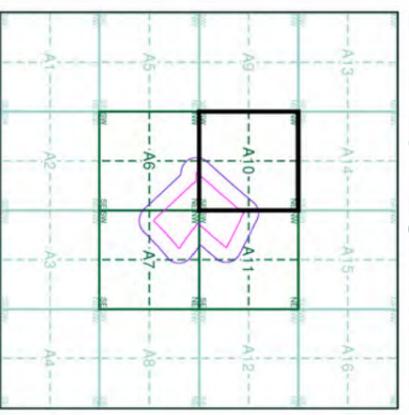
Source map scale - 1:2,500

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)

TR1958	TR2058
1956	1956
1:2,500	1:2,500
TR1957	
1956	
1:2,500	

Historical Map - Segment A10



Order Details

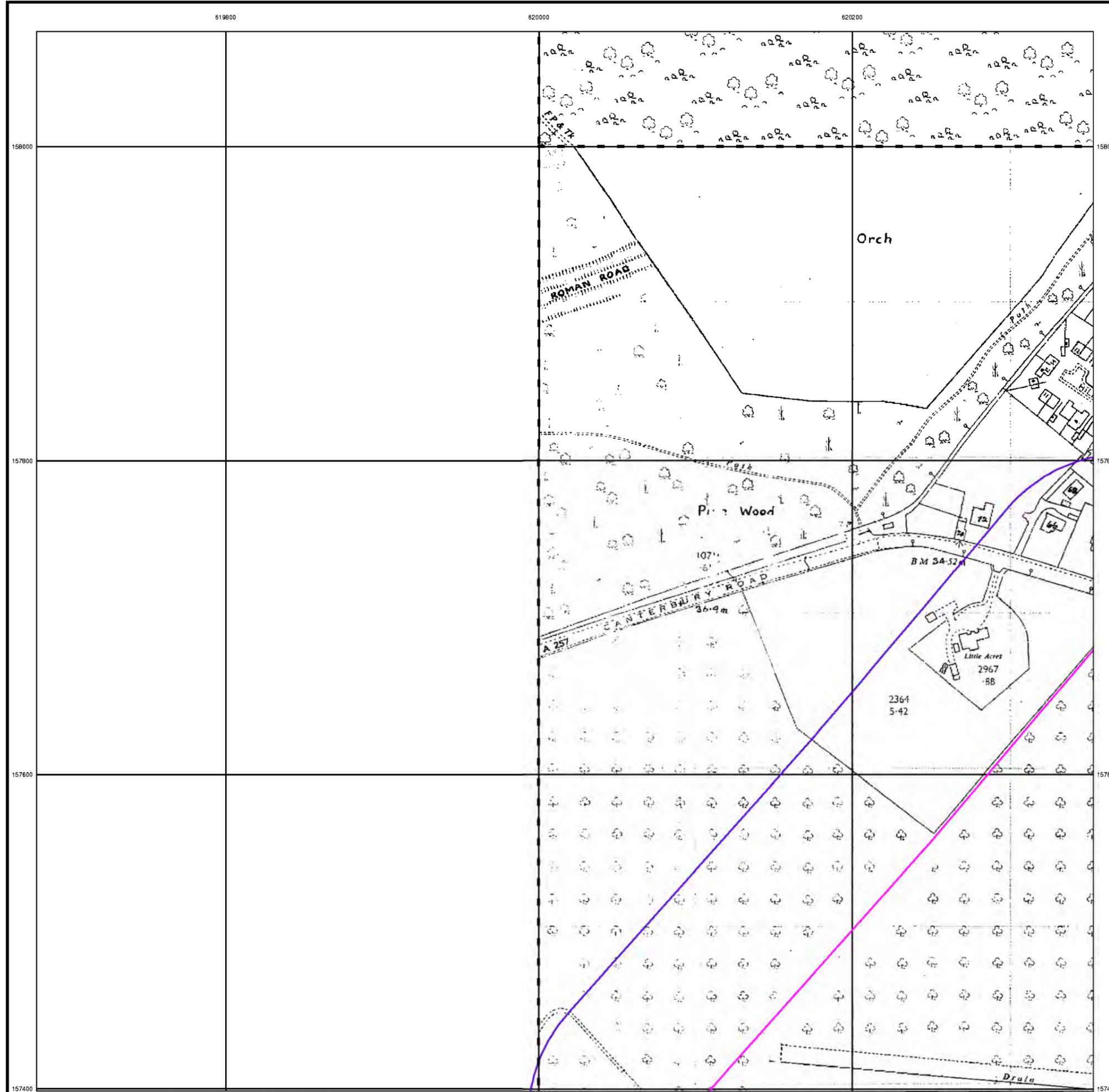
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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Additional SIMs

Published 1956 - 1978

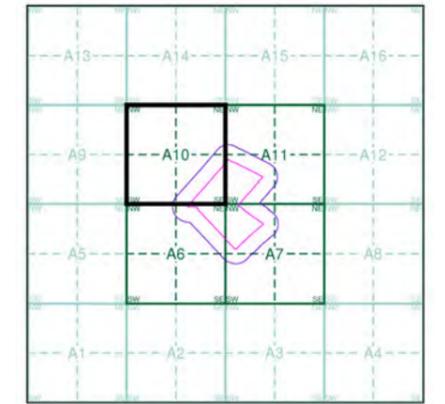
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR2058	1956	1:2,500
TR2057	1978	1:2,500

Historical Map - Segment A10



Order Details

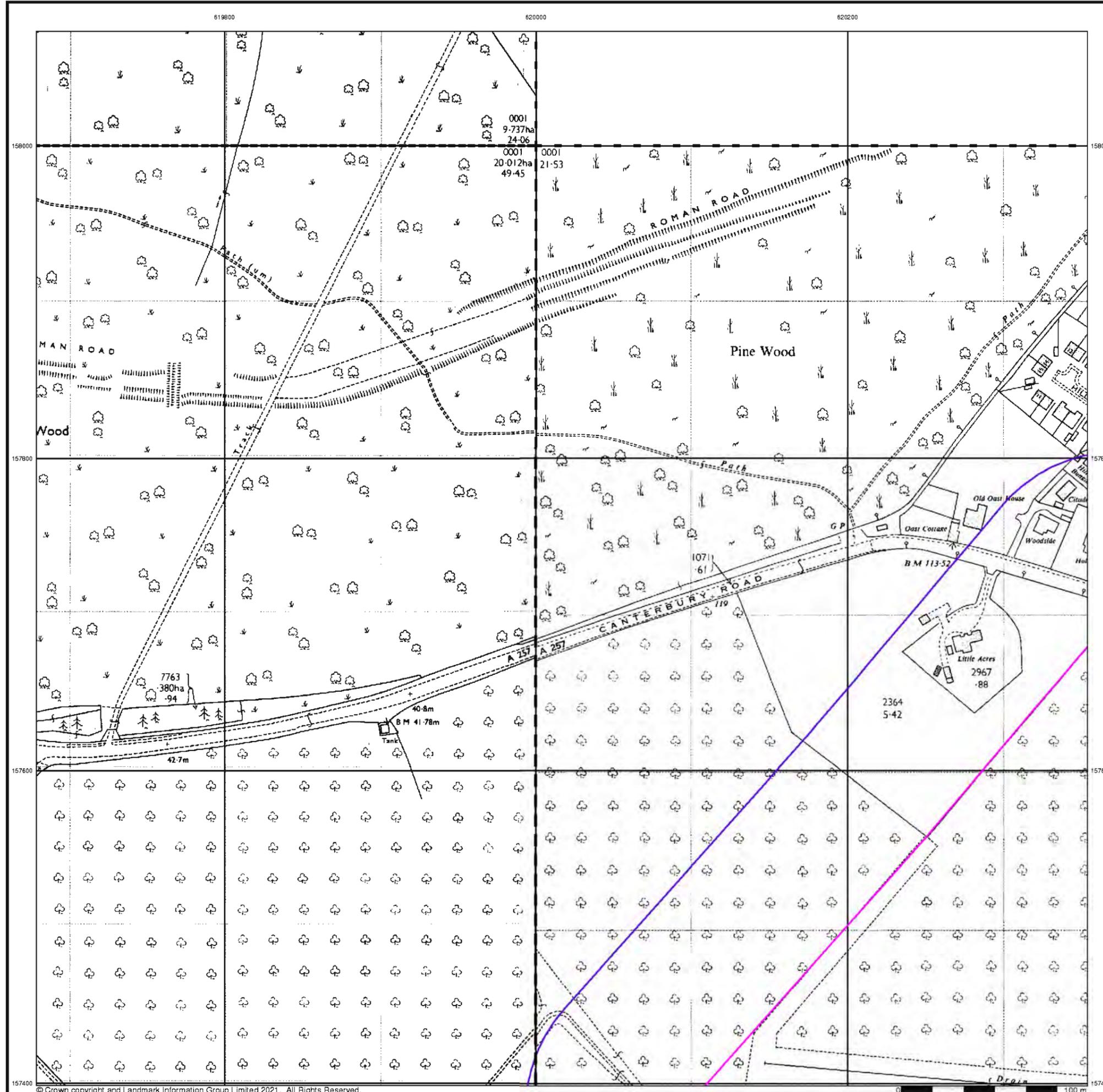
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1966 - 1978

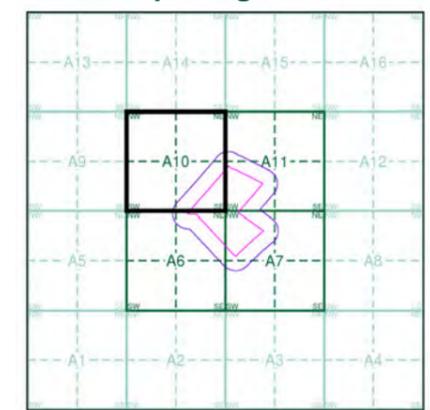
Source map scale - 1:2,500

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)

TR1958 1978 12,500	
TR1957 1977 12,500	TR2057 1966 12,500

Historical Map - Segment A10



Order Details

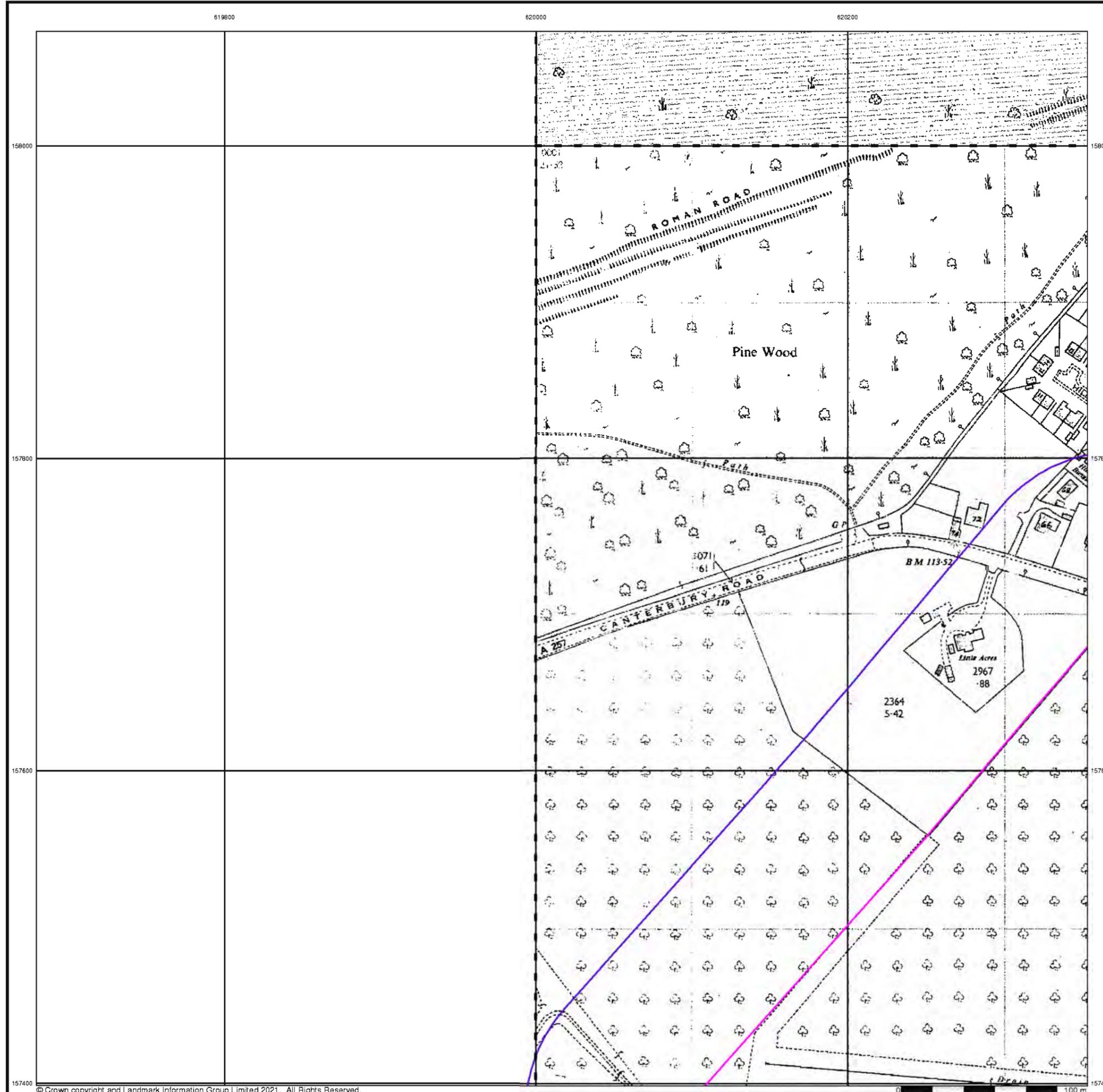
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

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Supply of Unpublished Survey Information

Published 1975

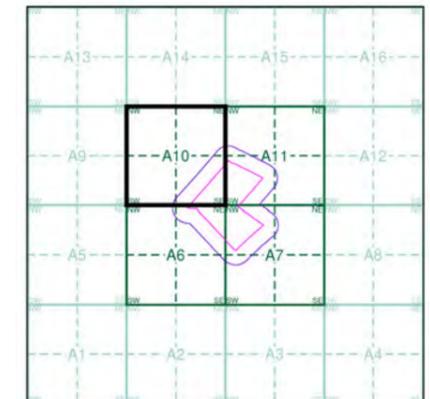
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR2058	1975	1:2,500
TR2057	1975	1:2,500

Historical Map - Segment A10



Order Details

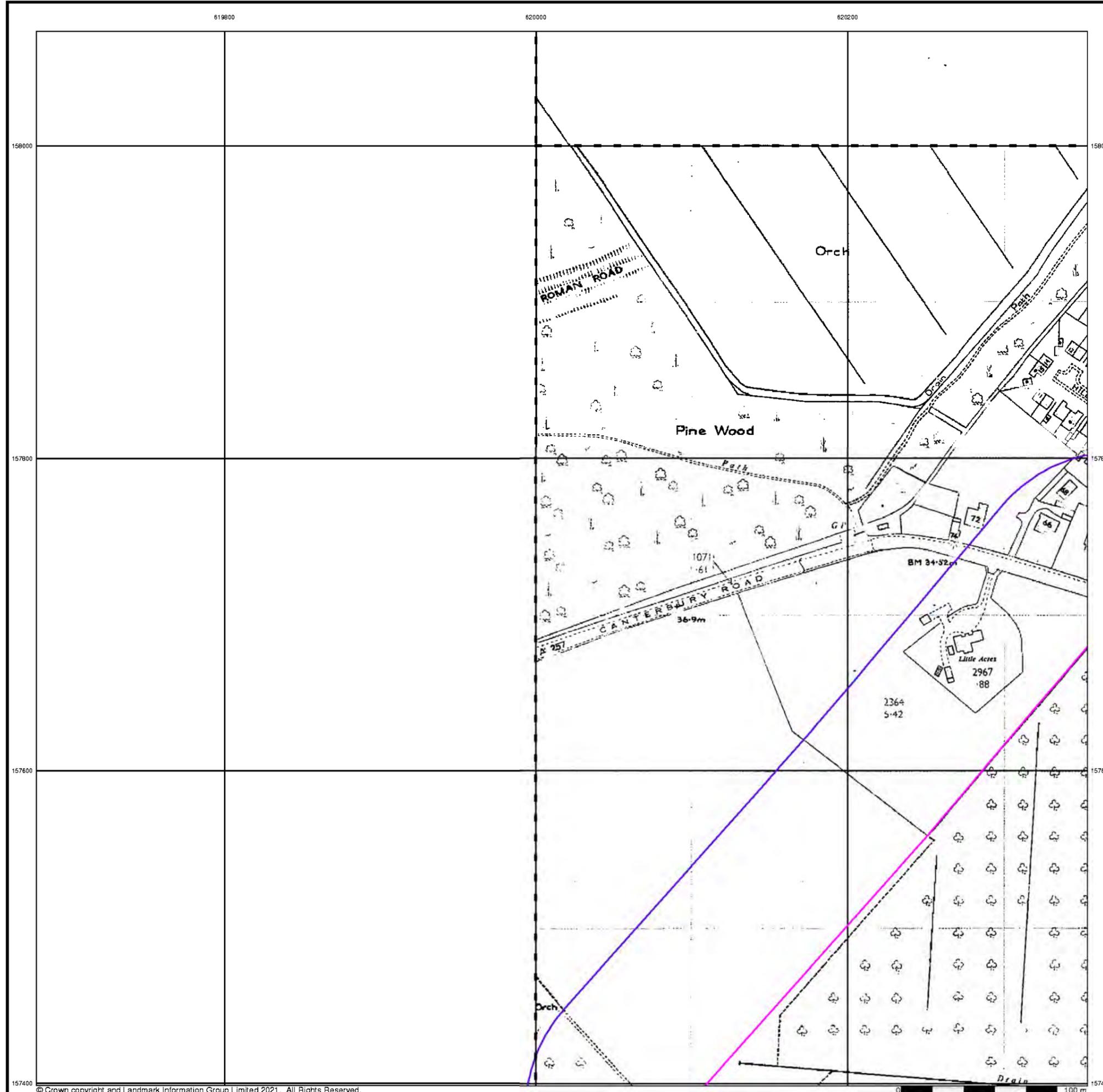
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

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Additional SIMs

Published 1978 - 1981

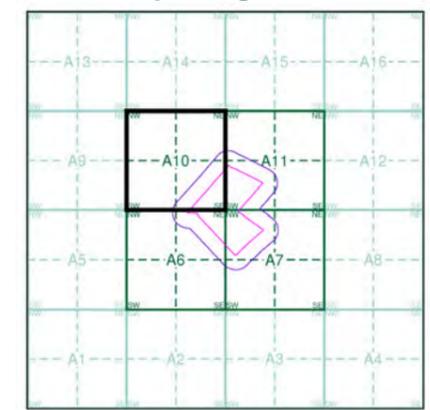
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR2058	1978	1:2,500
TR2057	1961	1:2,500

Historical Map - Segment A10



Order Details

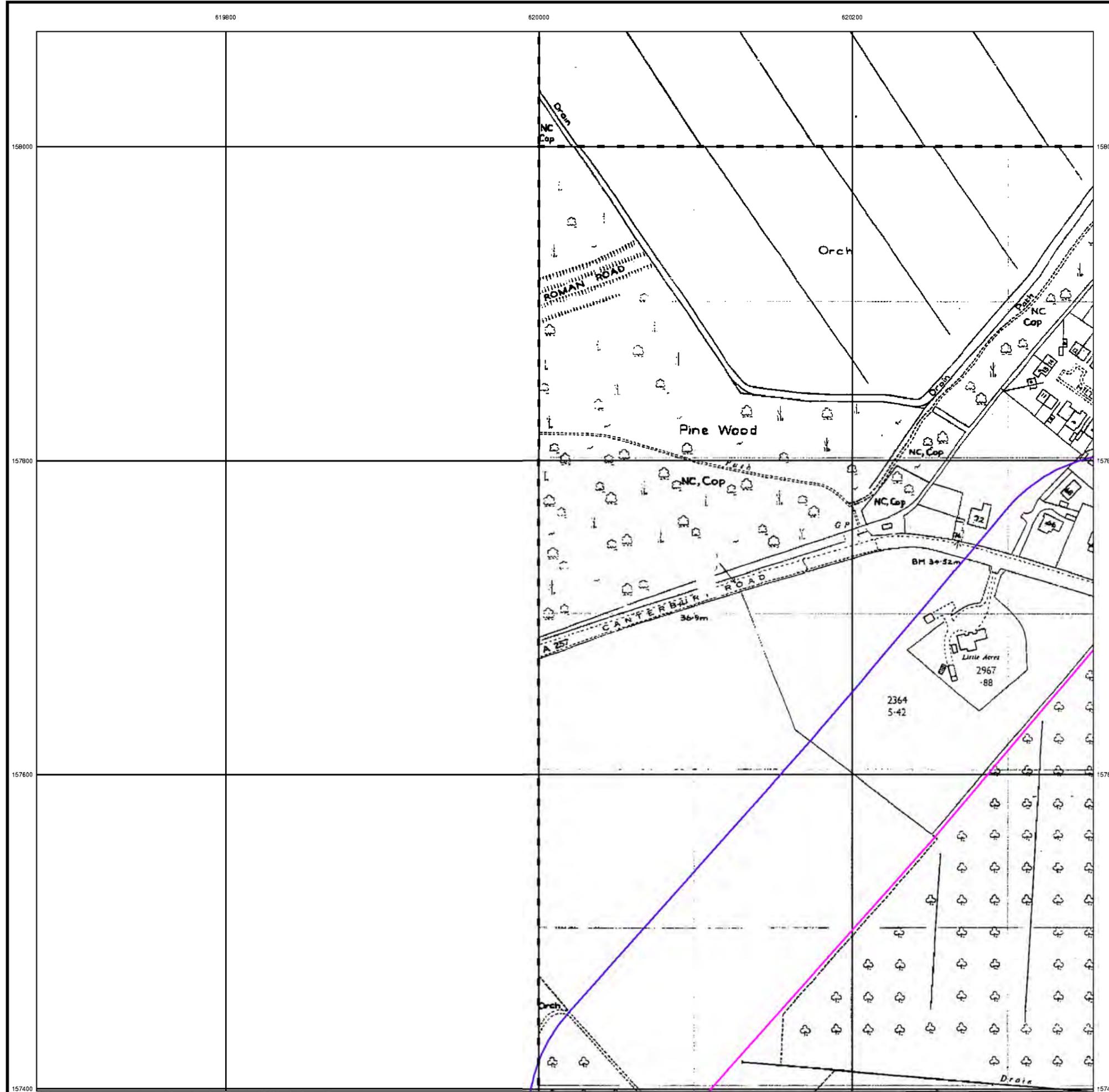
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1986 - 1992

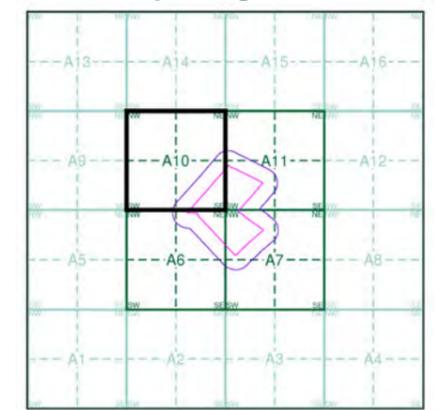
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR2058	1986	1:2,500
TR2057	1992	1:2,500

Historical Map - Segment A10



Order Details

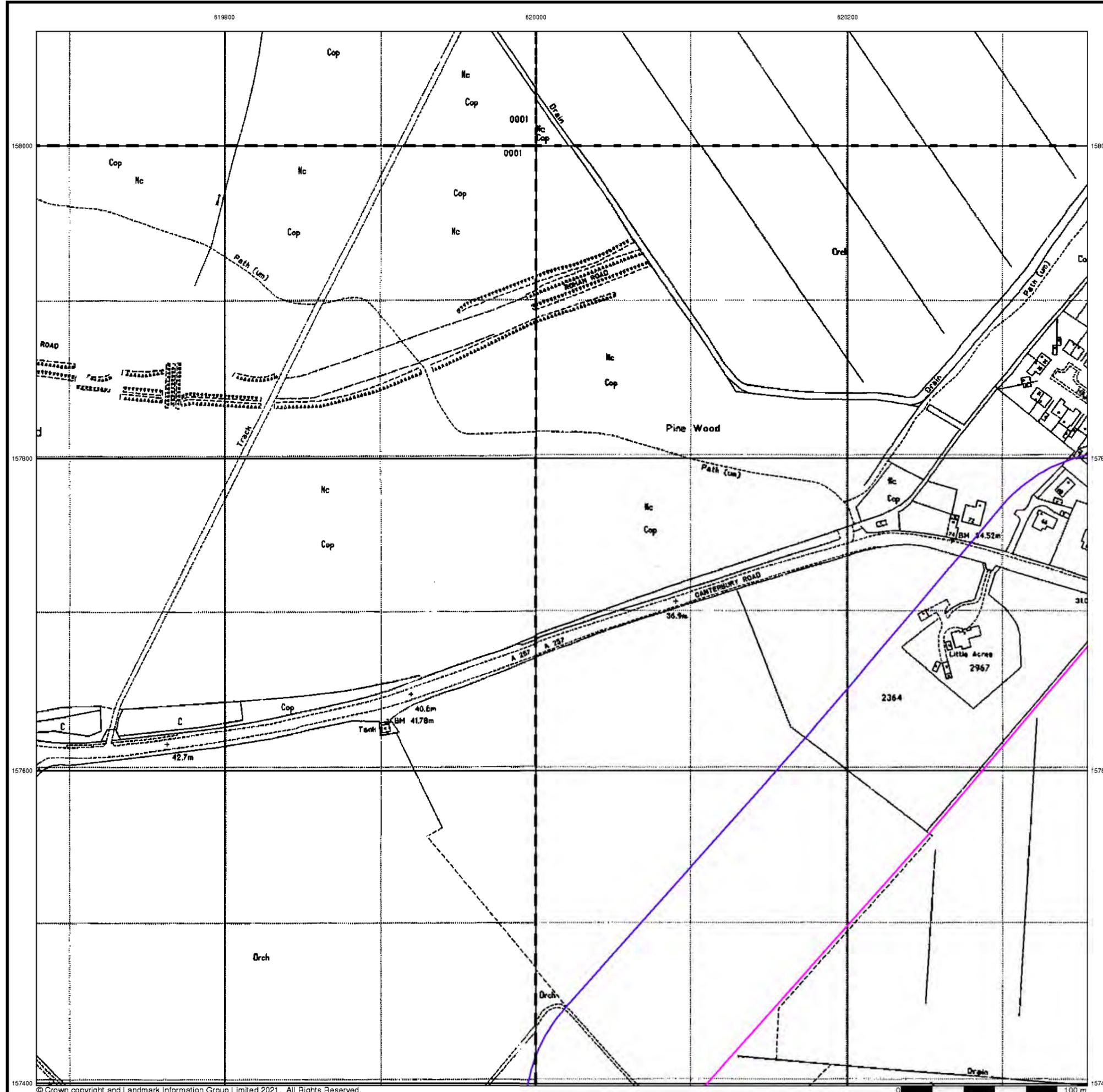
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1992 - 1993

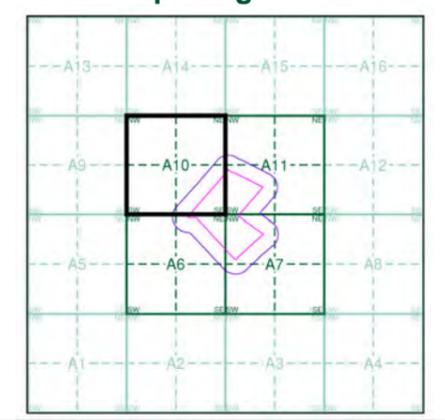
Source map scale - 1:2,500

'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)

TR1958 1992 1:2,500	TR2058 1993 1:2,500
TR1957 1992 1:2,500	TR2057 1993 1:2,500

Historical Map - Segment A10



Order Details

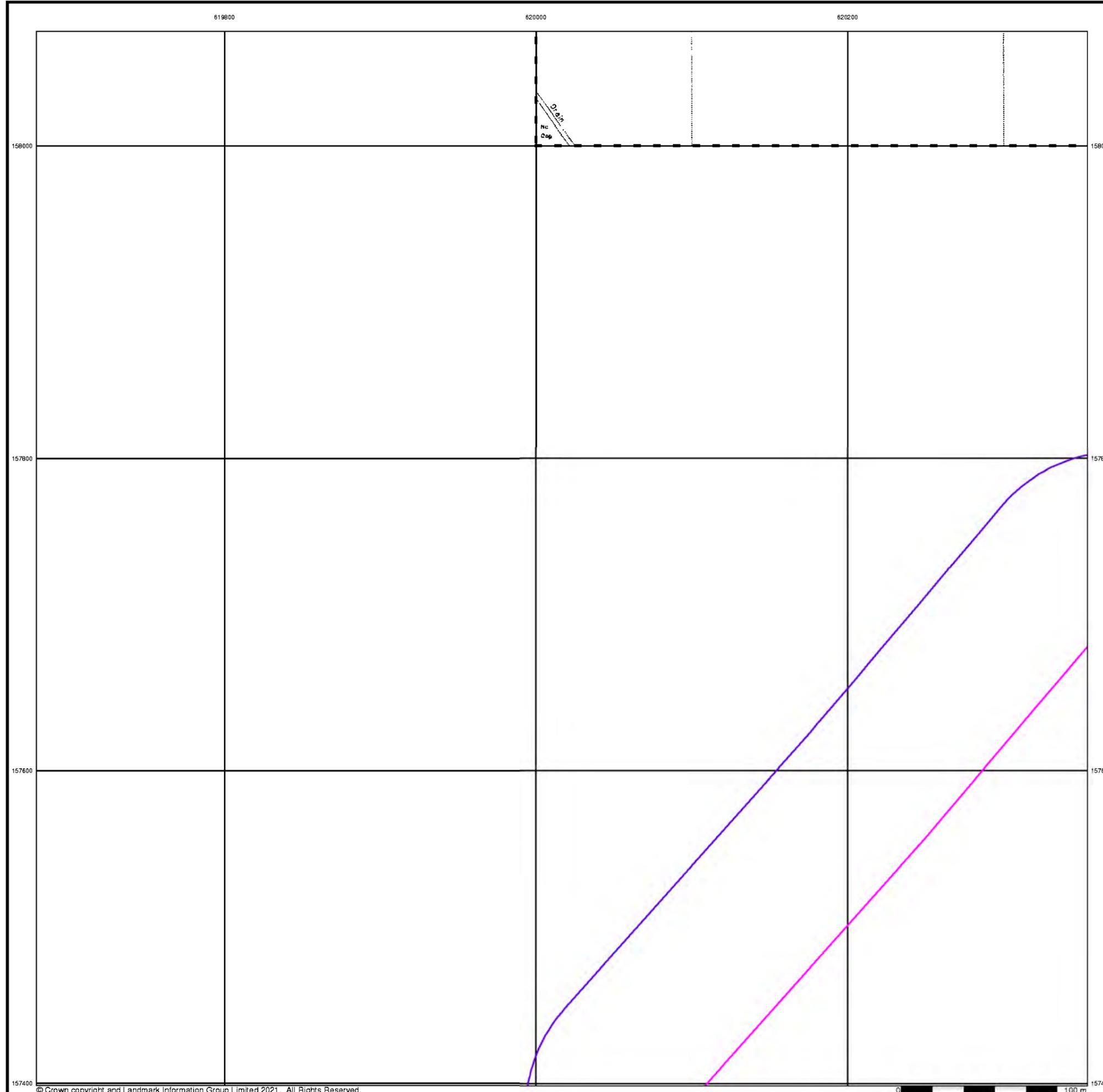
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

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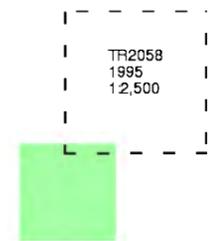
Large-Scale National Grid Data

Published 1995

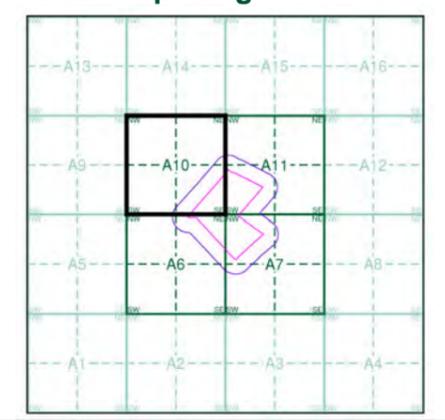
Source map scale - 1:2,500

'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)



Historical Map - Segment A10



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

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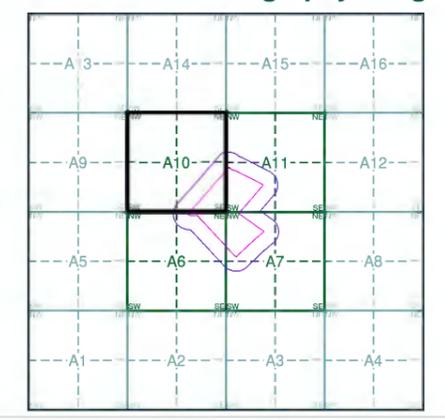


Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A10



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

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

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)
Boundary Post or Stone **Police Call Box**
B.R. Bridle Road **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**
N.T.L. Normal Tidal Limit **Wd Pp Wind Pump**

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

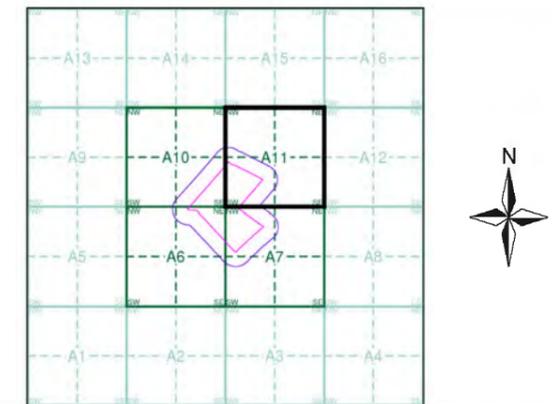
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds**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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1872 - 1873	2
Kent	1:2,500	1897	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1956	6
Additional SIMs	1:2,500	1956 - 1983	7
Ordnance Survey Plan	1:2,500	1966	8
Supply of Unpublished Survey Information	1:2,500	1975	9
Additional SIMs	1:2,500	1978 - 1981	10
Additional SIMs	1:2,500	1986 - 1992	11
Large-Scale National Grid Data	1:2,500	1993	12
Large-Scale National Grid Data	1:2,500	1995	13
Historical Aerial Photography	1:2,500	1999	14

Historical Map - Segment A11



Order Details

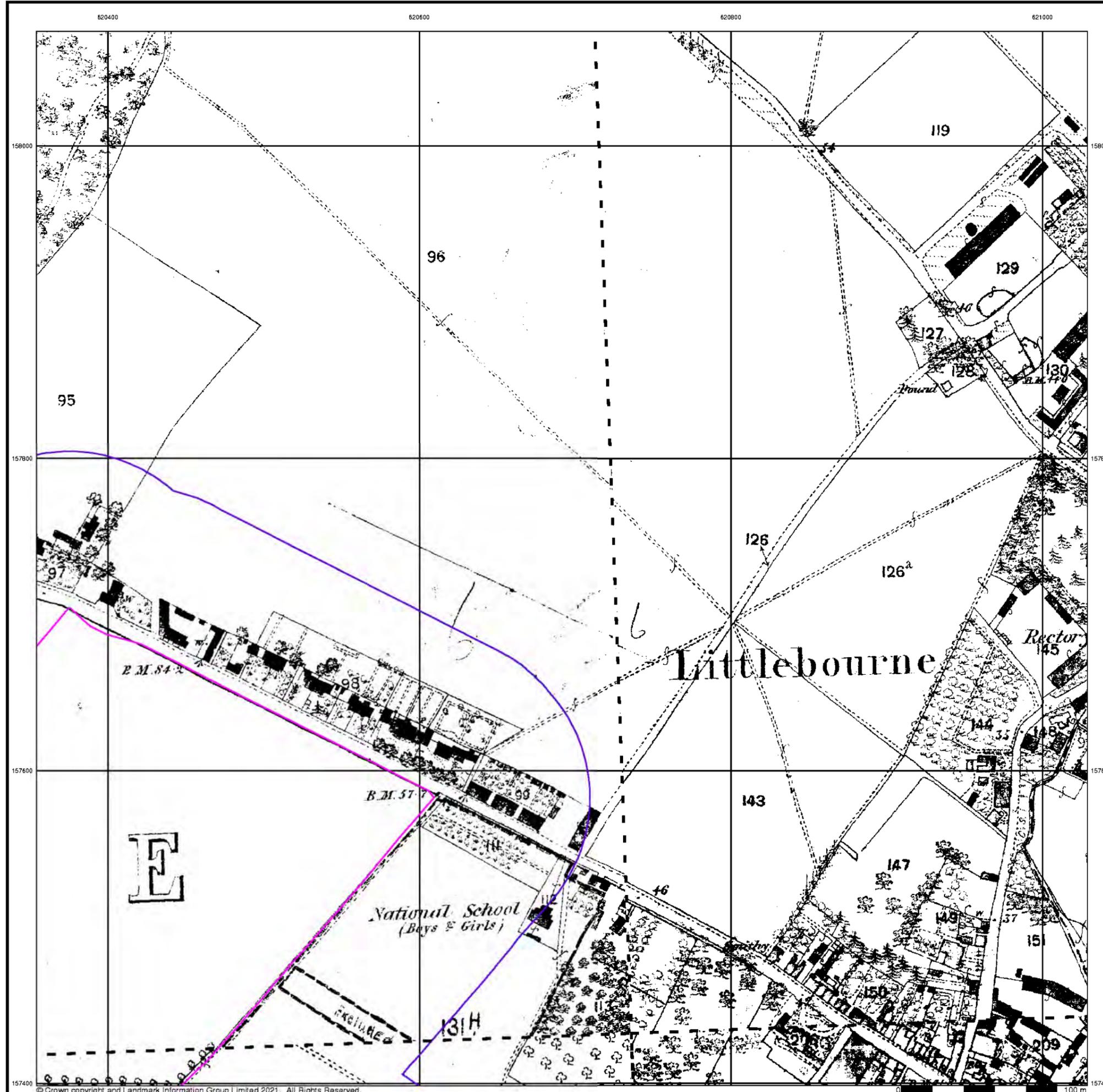
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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Kent

Published 1872 - 1873

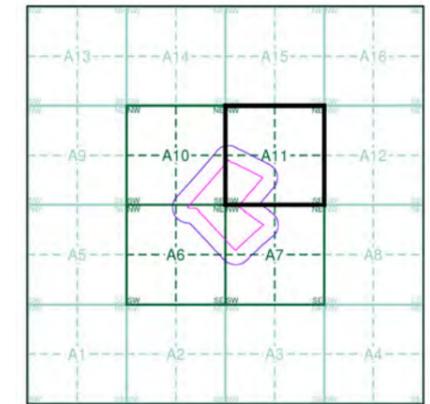
Source map scale - 1:2,500

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)

047_01 1873 1:2,500	047_02 1872 1:2,500
047_05 1873 1:2,500	047_06 1872 1:2,500

Historical Map - Segment A11



Order Details

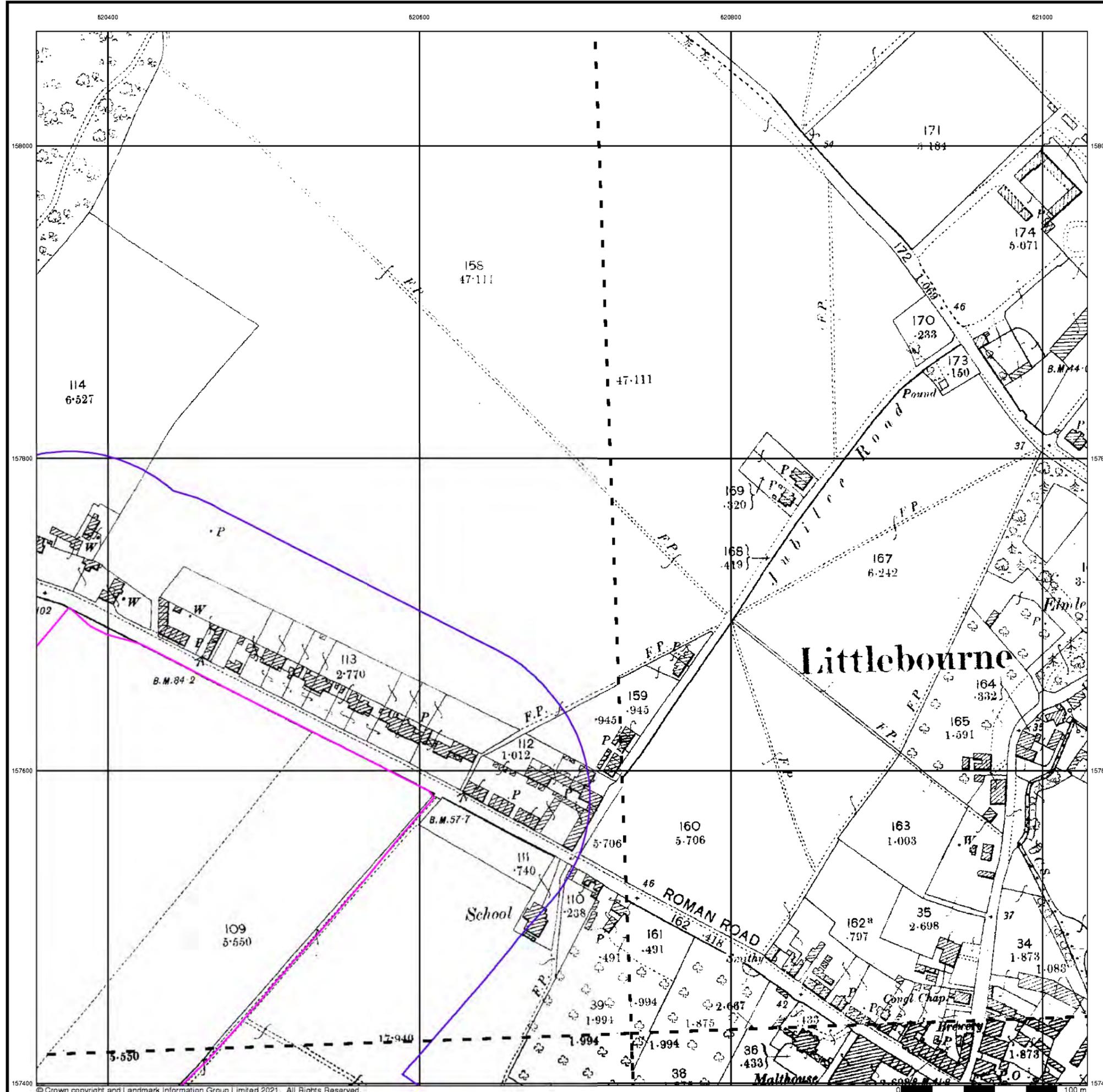
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

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Kent

Published 1897

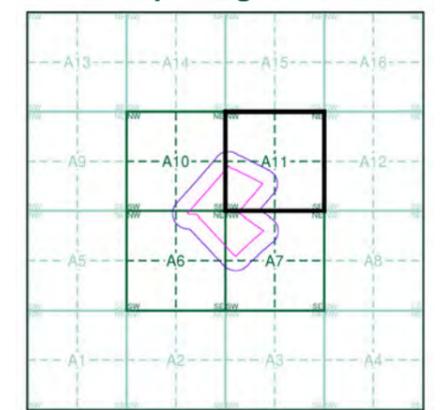
Source map scale - 1:2,500

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)

047_01 1897 1:2,500	047_02 1897 1:2,500
047_05 1897 1:2,500	047_06 1897 1:2,500

Historical Map - Segment A11



Order Details

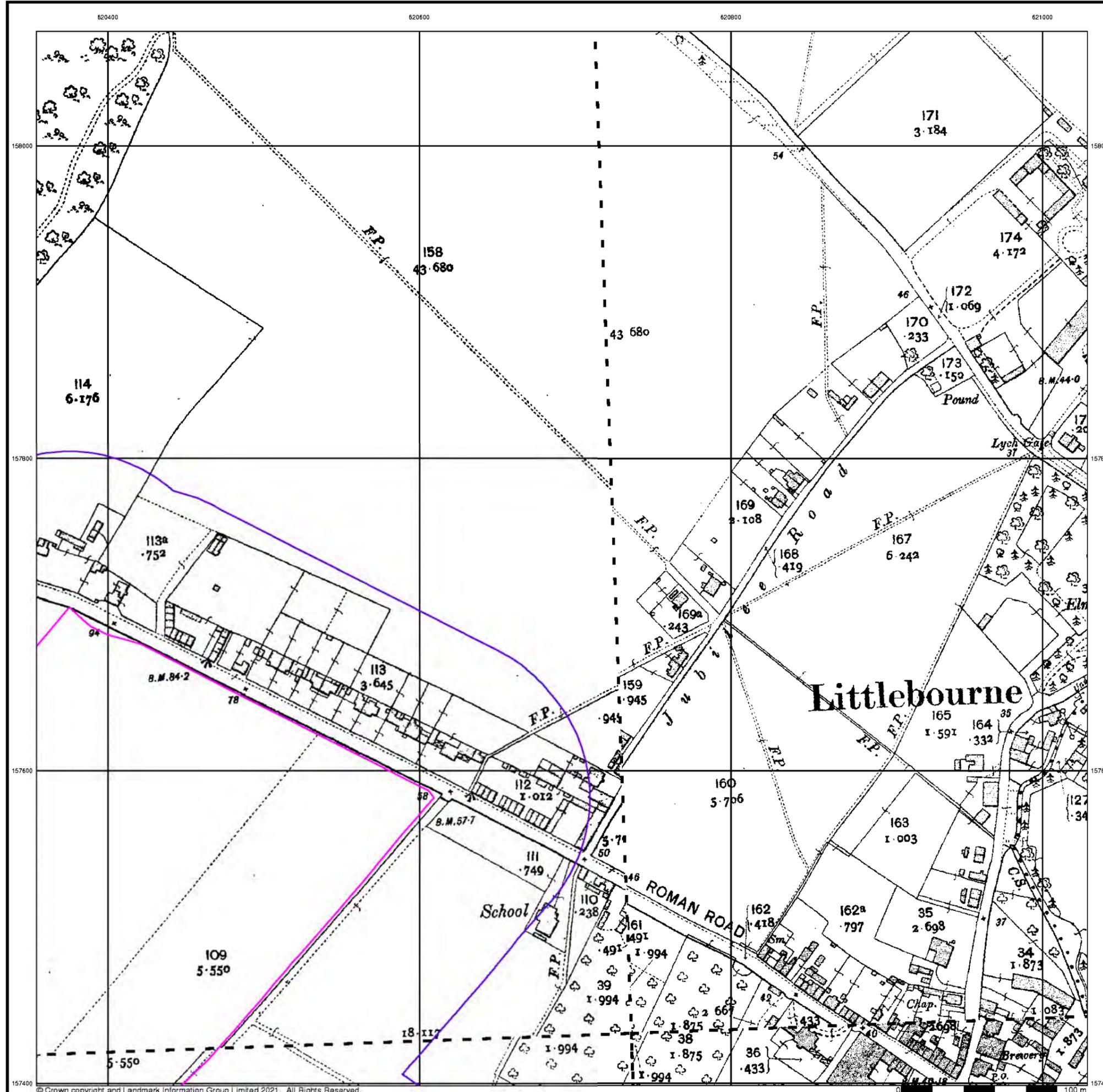
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
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Kent

Published 1907

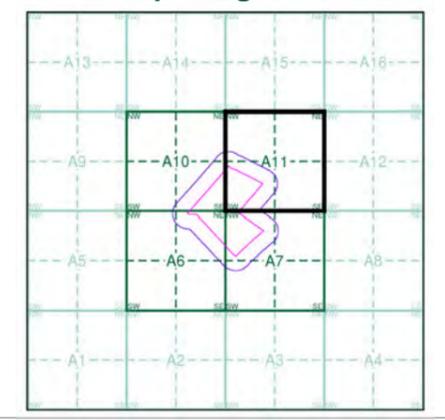
Source map scale - 1:2,500

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)

047_01 1907 1:2,500	047_02 1907 1:2,500
047_05 1907 1:2,500	047_06 1907 1:2,500

Historical Map - Segment A11



Order Details

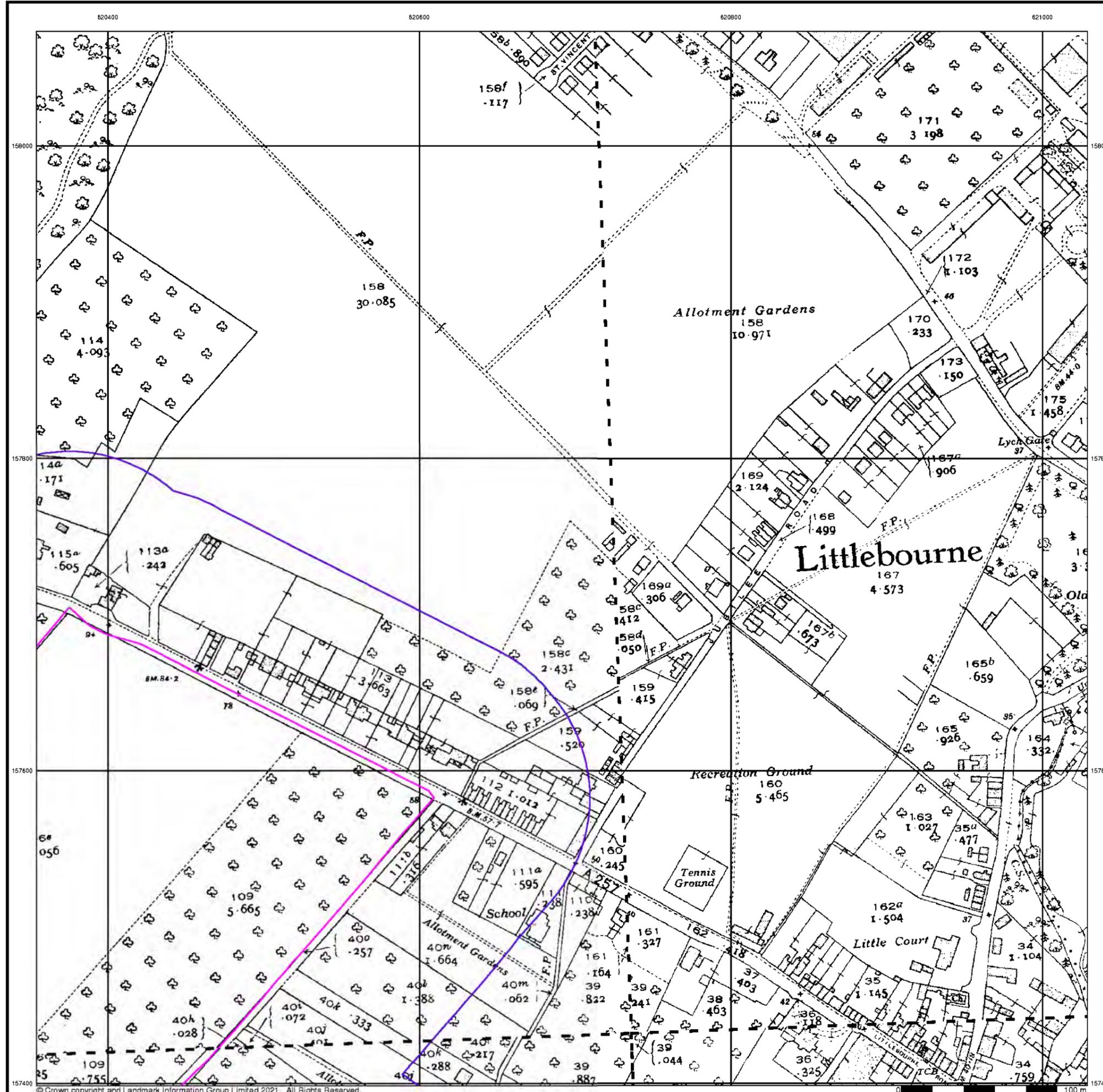
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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Kent

Published 1938

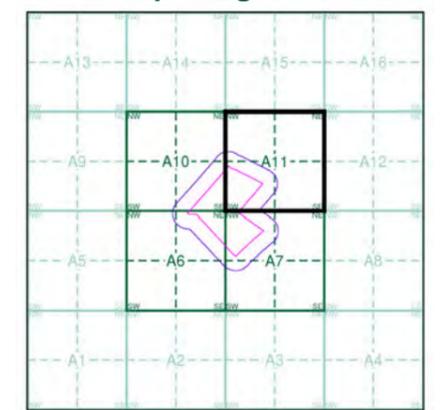
Source map scale - 1:2,500

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)

047_01 1938 1:2,500	047_02 1938 1:2,500
047_05 1938 1:2,500	047_06 1938 1:2,500

Historical Map - Segment A11



Order Details

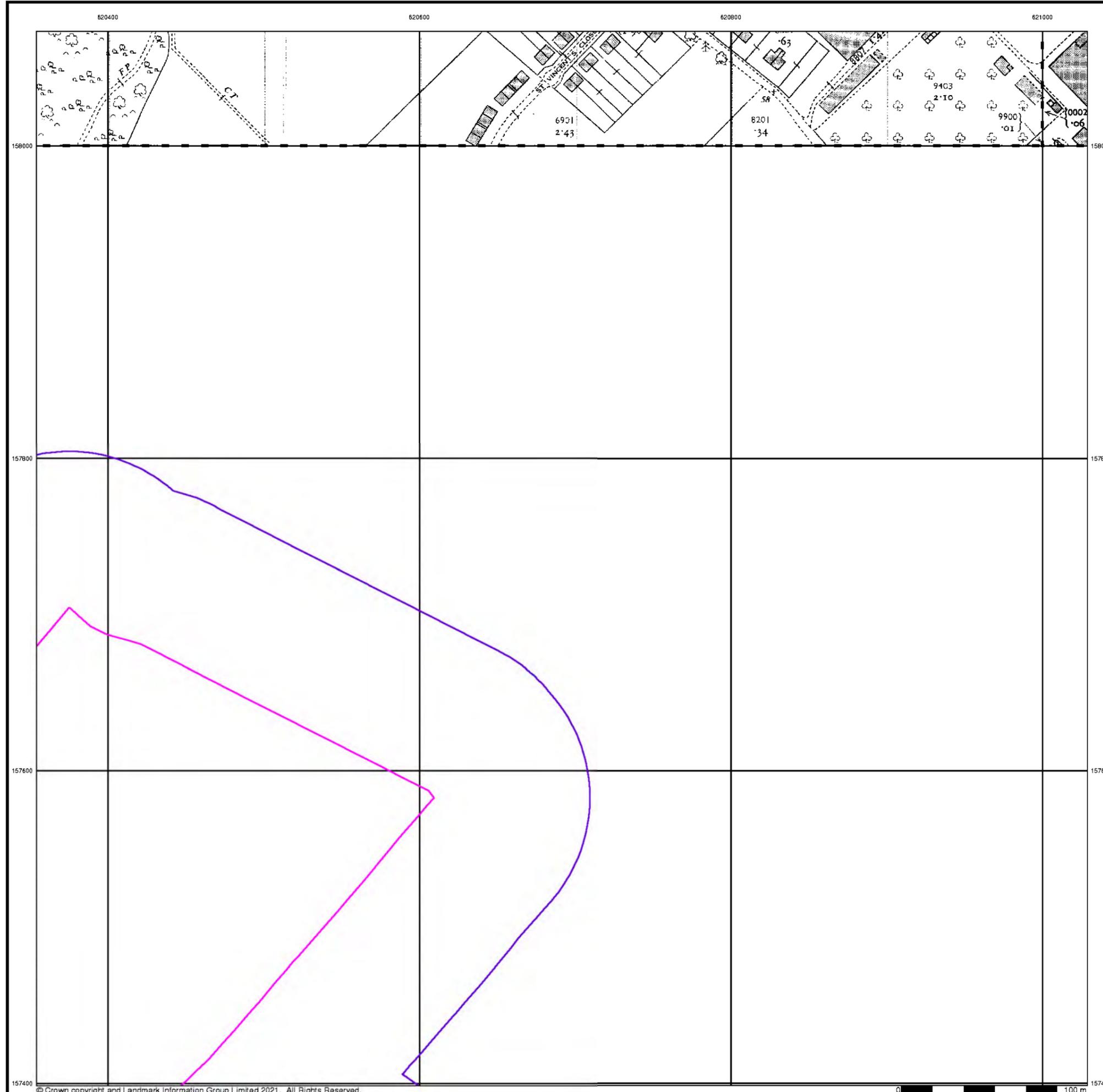
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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



Ordnance Survey Plan

Published 1956

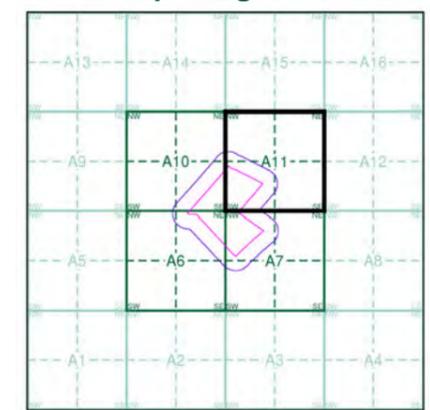
Source map scale - 1:2,500

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)

TR2058 1956 1:2,500	TR2158 1956 1:2,500
---------------------------	---------------------------

Historical Map - Segment A11



Order Details

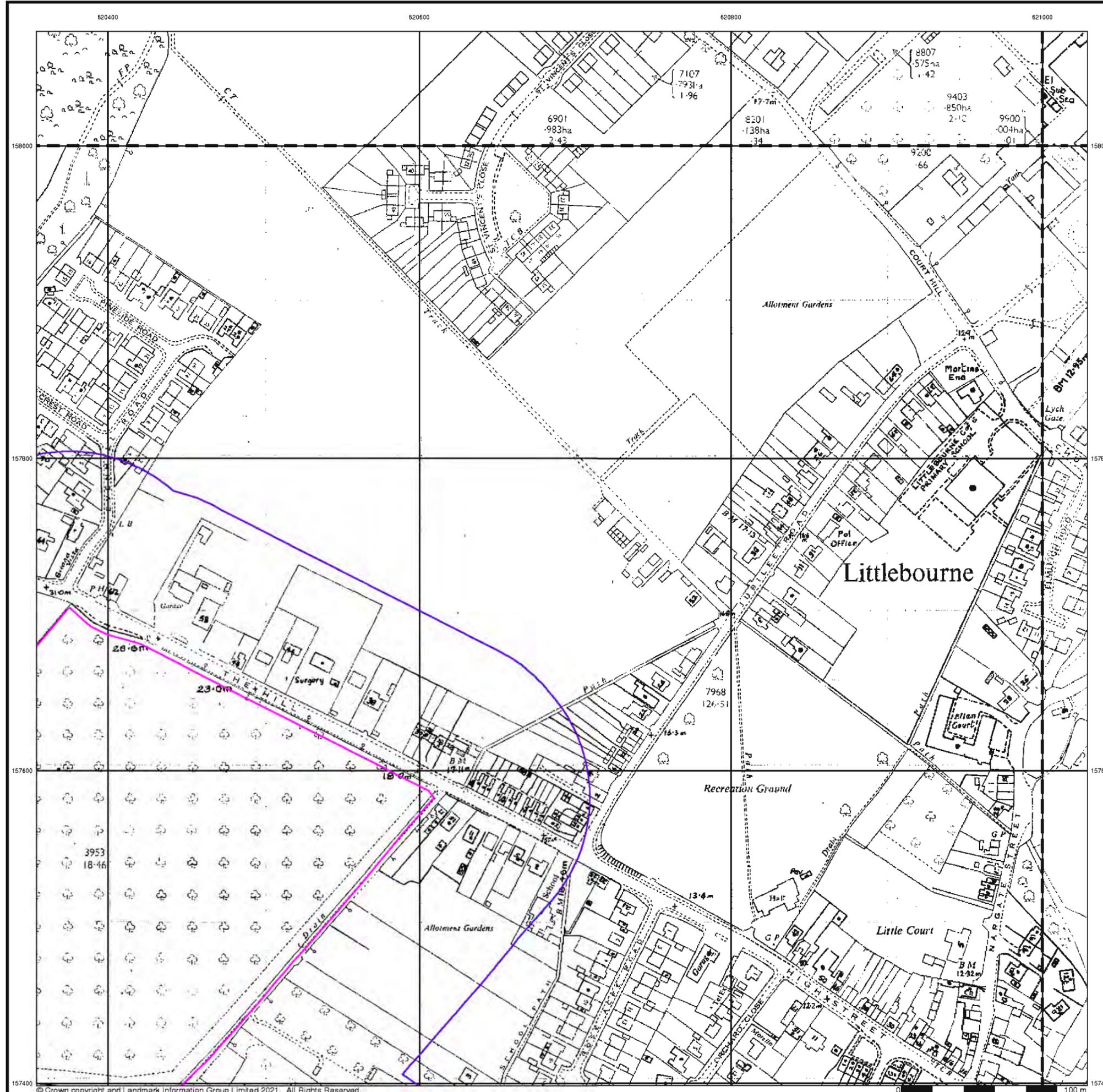
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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



Additional SIMs

Published 1956 - 1983

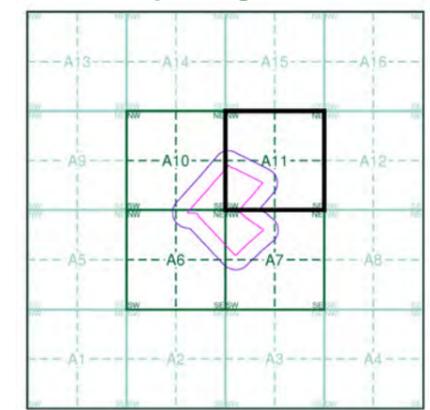
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR2058 1956 12,500	TR2158 1983 12,500
TR2057 1978 12,500	TR2157 1982 12,500

Historical Map - Segment A11



Order Details

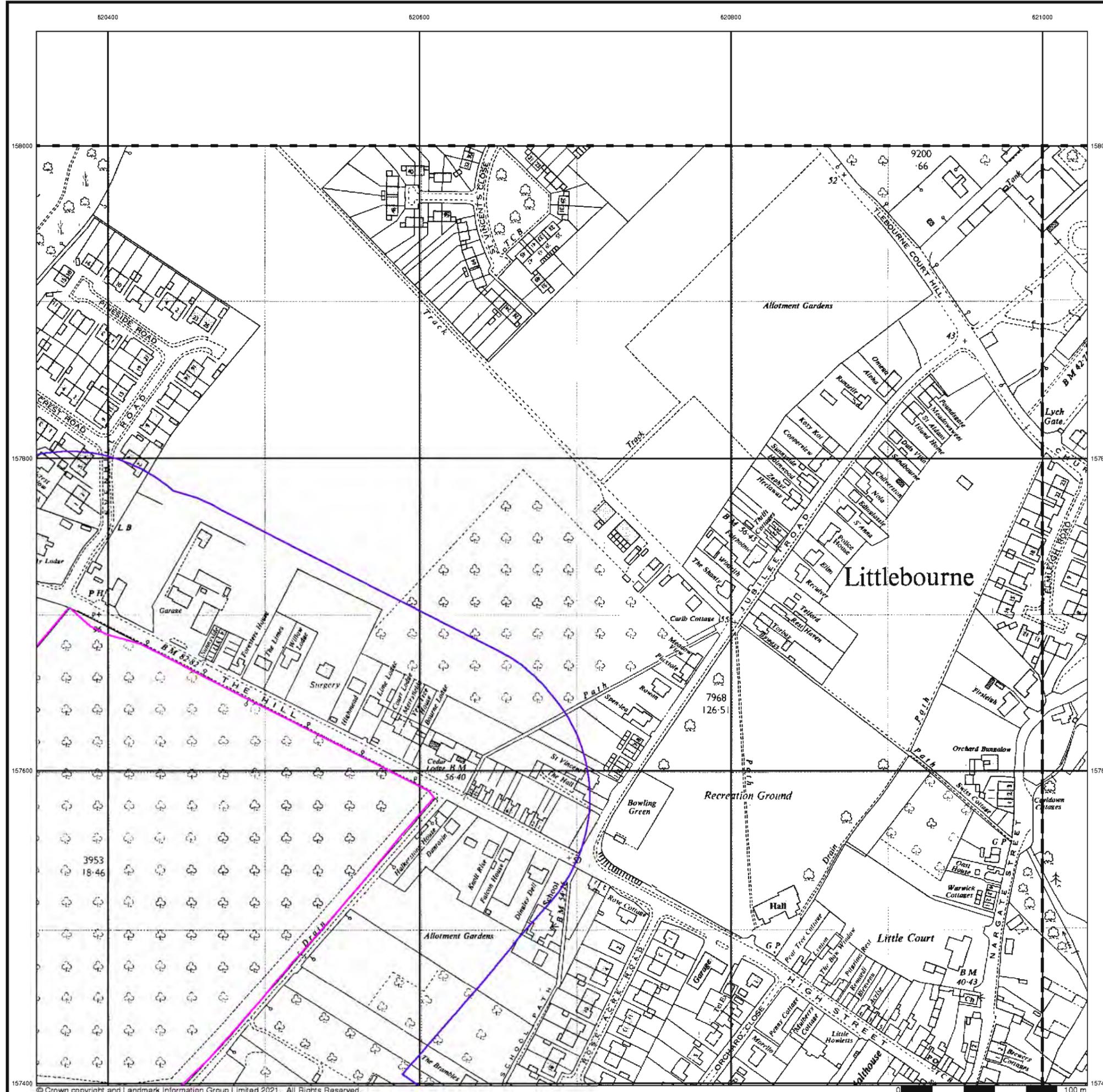
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



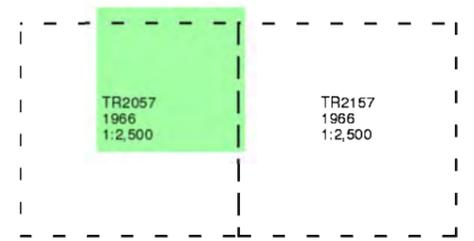
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



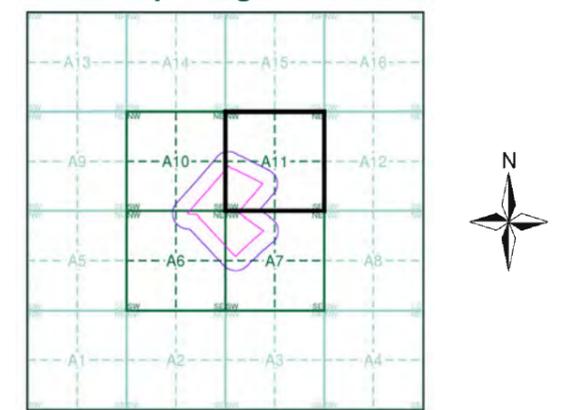
Ordnance Survey Plan
Published 1966
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



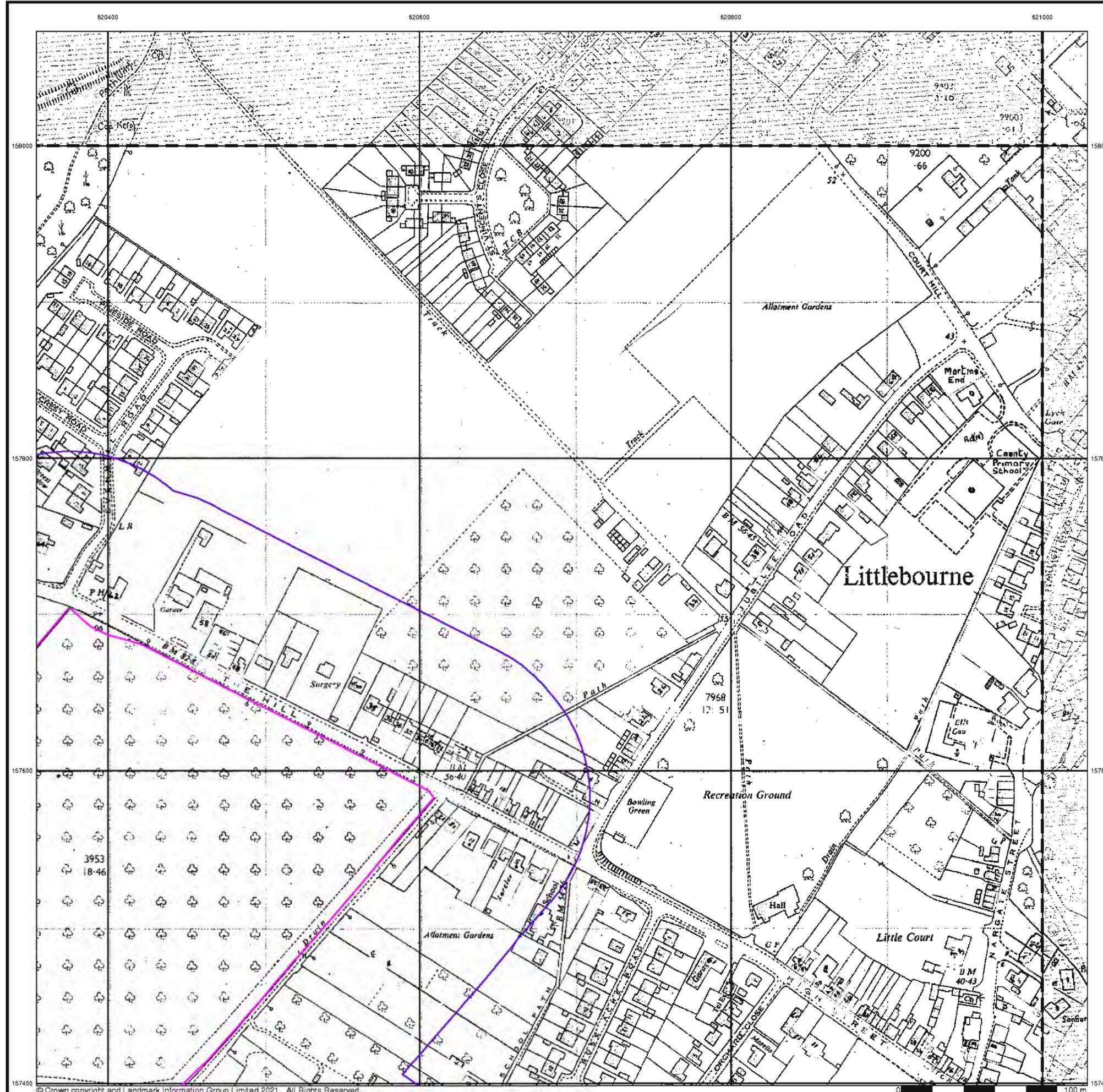
Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE

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



Supply of Unpublished Survey Information

Published 1975

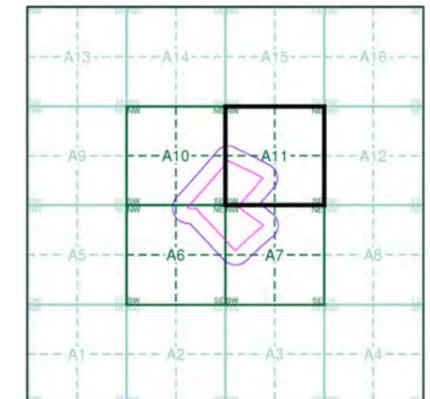
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR2058 1975 1:2,500	TR2158 1975 1:2,500
TR2057 1975 1:2,500	TR2157 1975 1:2,500

Historical Map - Segment A11



Order Details

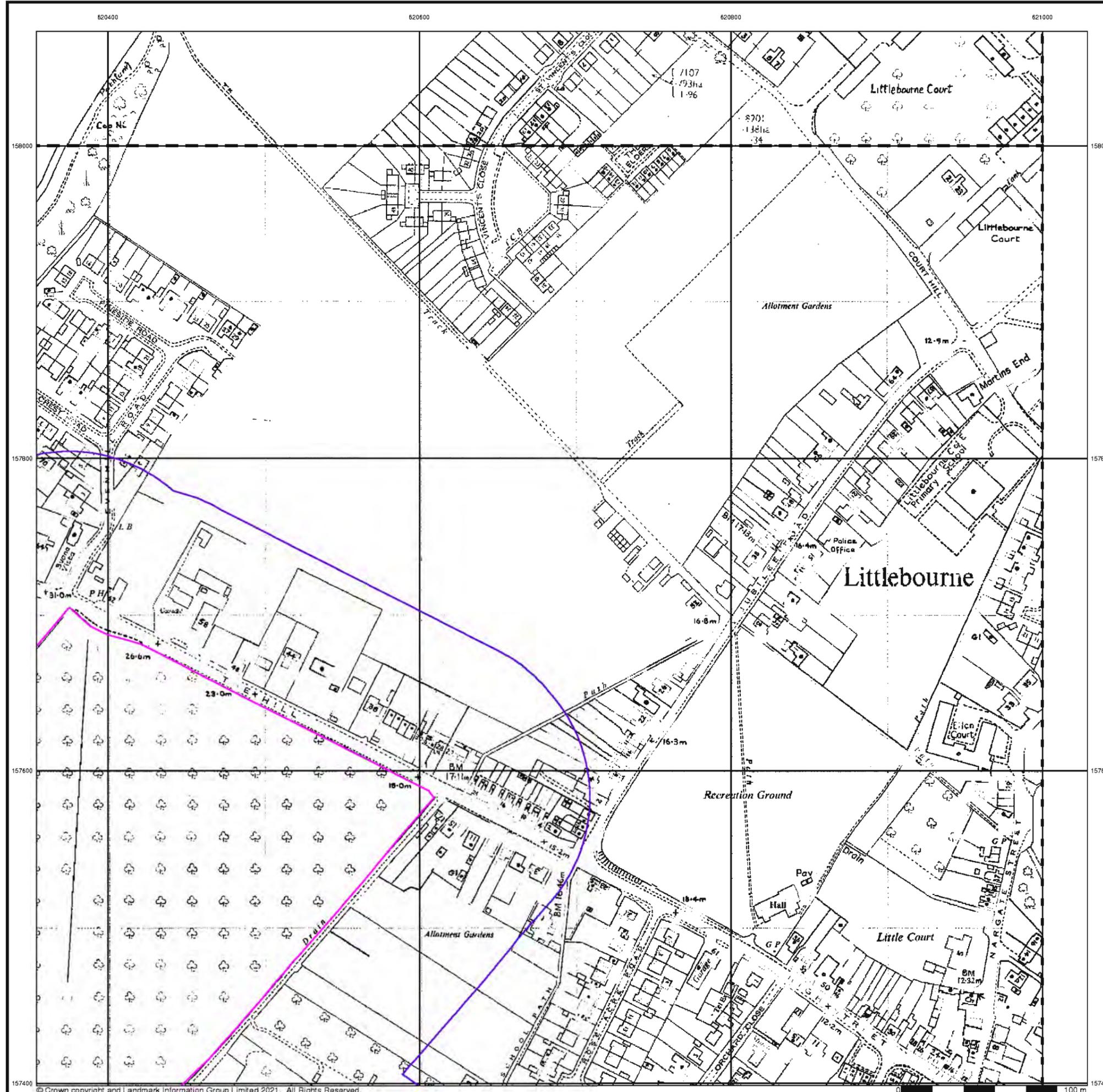
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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 Fax: 0844 844 9951
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Additional SIMs

Published 1978 - 1981

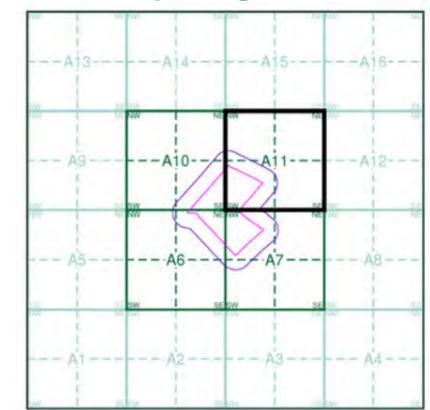
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR2058	1978	1:2,500
TR2057	1981	1:2,500

Historical Map - Segment A11



Order Details

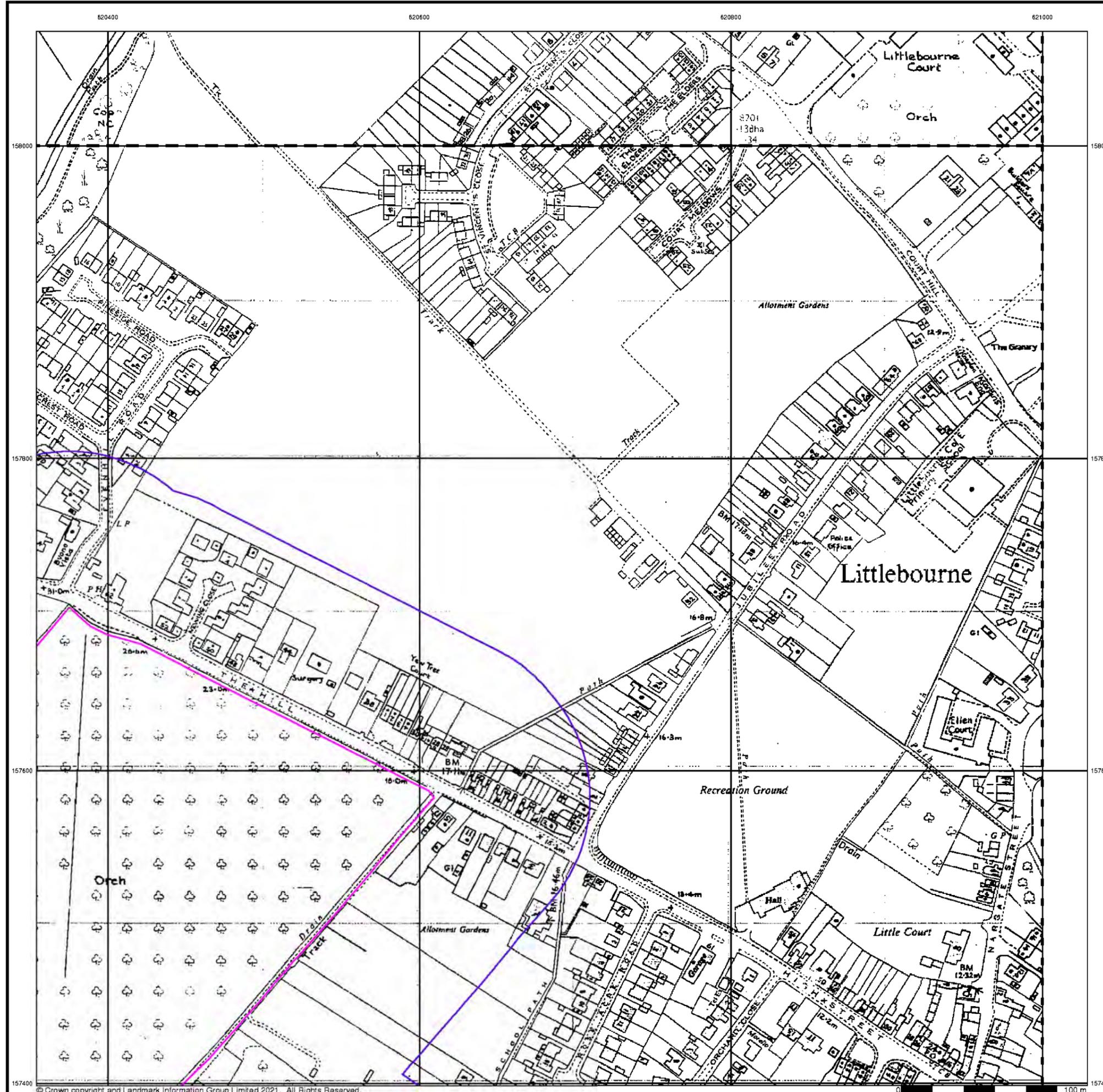
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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



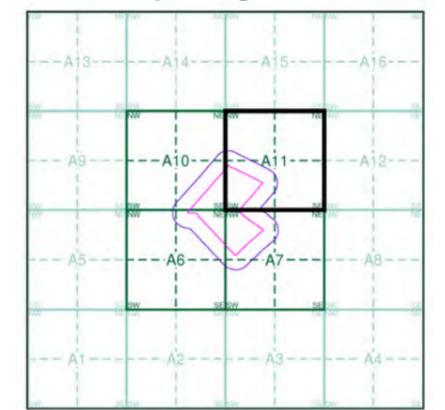
Additional SIMs
Published 1986 - 1992
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TR2058	1986	1:2,500
TR2057	1992	1:2,500

Historical Map - Segment A11



Order Details

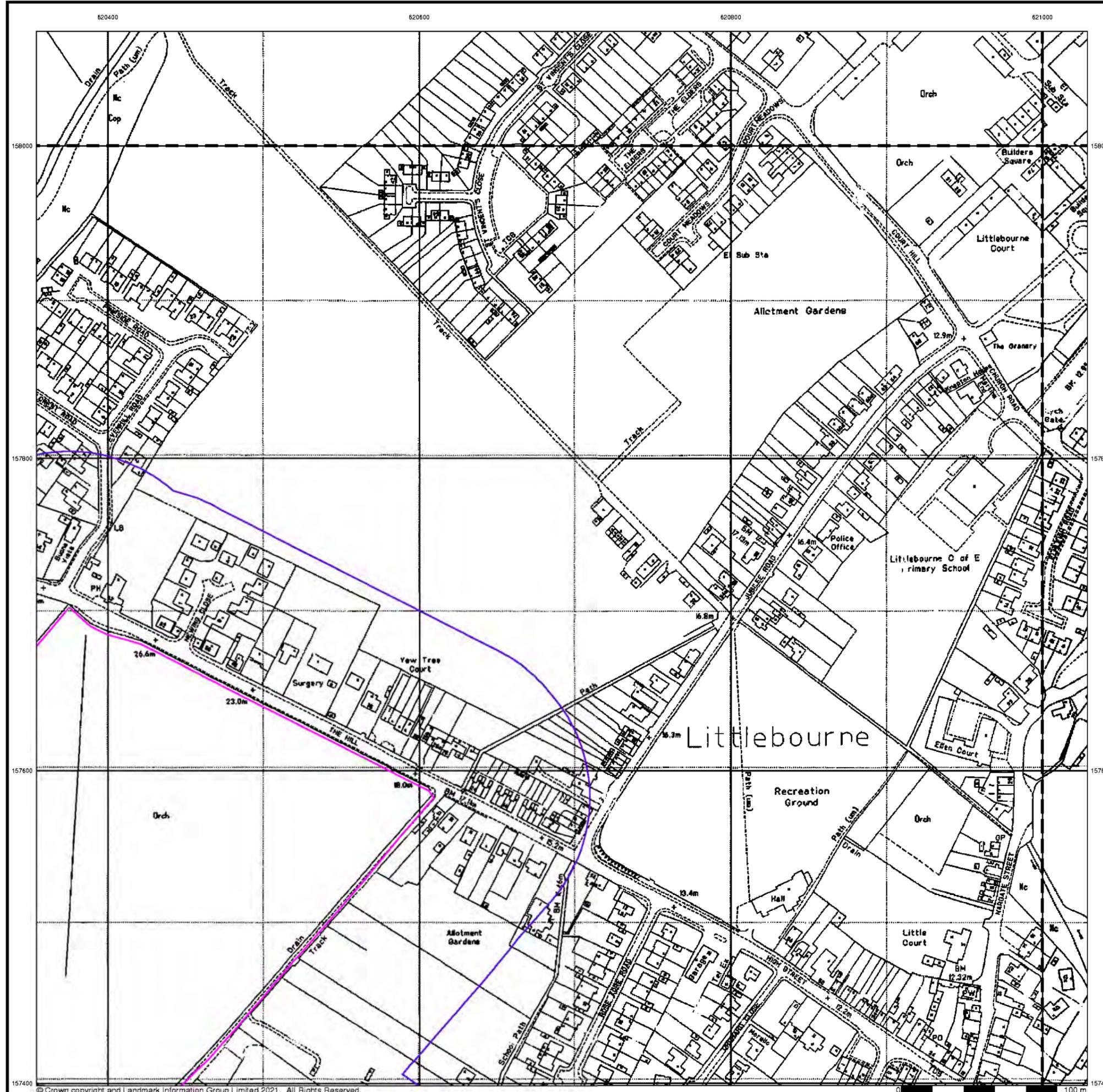
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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 Fax: 0844 844 9951
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Large-Scale National Grid Data

Published 1993

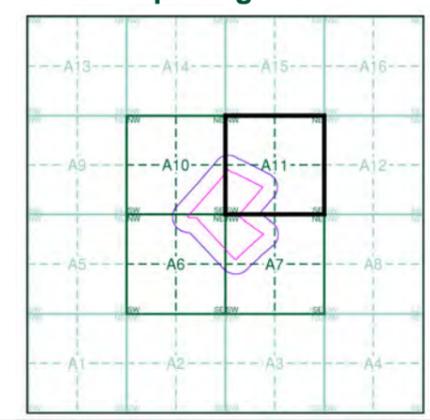
Source map scale - 1:2,500

'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)

TR2058 1993 12,500	TR2158 1993 12,500
TR2057 1993 12,500	TR2157 1993 12,500

Historical Map - Segment A11



Order Details

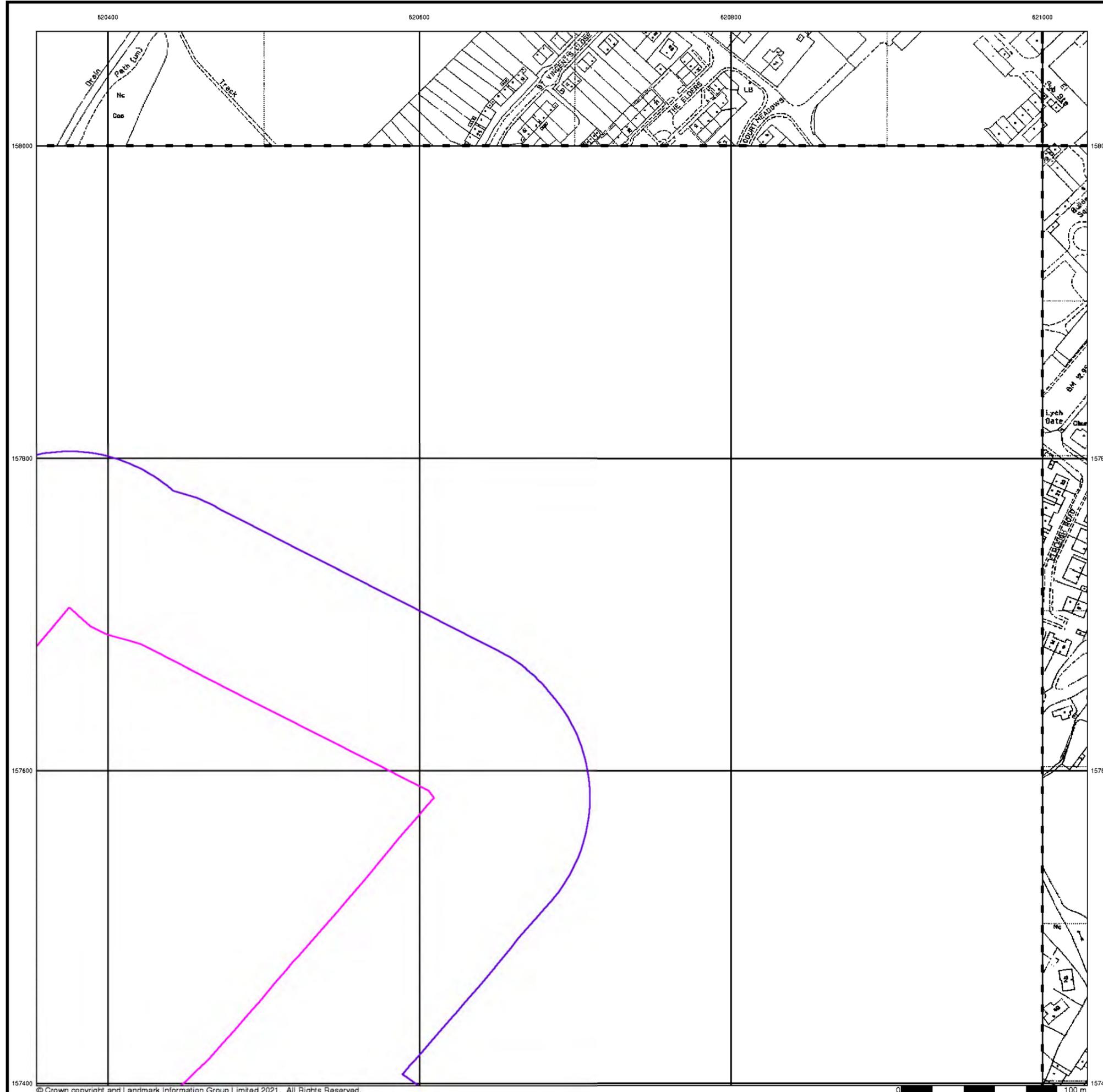
Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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



Large-Scale National Grid Data

Published 1995

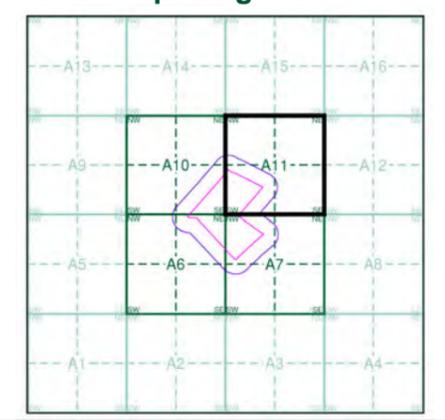
Source map scale - 1:2,500

'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)

TR2058 1995 12,500	TR2158 1995 12,500
	TR2157 1995 12,500

Historical Map - Segment A11



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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

620400

620600

620800

621000

158000

158000

157800

157800

157600

157600

157400

157400

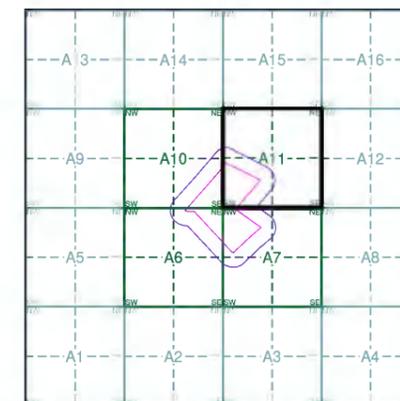


Historical Aerial Photography

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 A11



Order Details

Order Number: 271084147_1_1
 Customer Ref: 52212
 National Grid Reference: 620390, 157400
 Slice: A
 Site Area (Ha): 15.85
 Search Buffer (m): 100

Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE



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



Index Map

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

Slice

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

Segment

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

Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Miss S Gower, RSK Environment Ltd, 18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT

Order Details

Order Number: 271084147_1_1
Customer Ref: 52212
National Grid Reference: 620380, 157410
Site Area (Ha): 15.85
Search Buffer (m): 1000

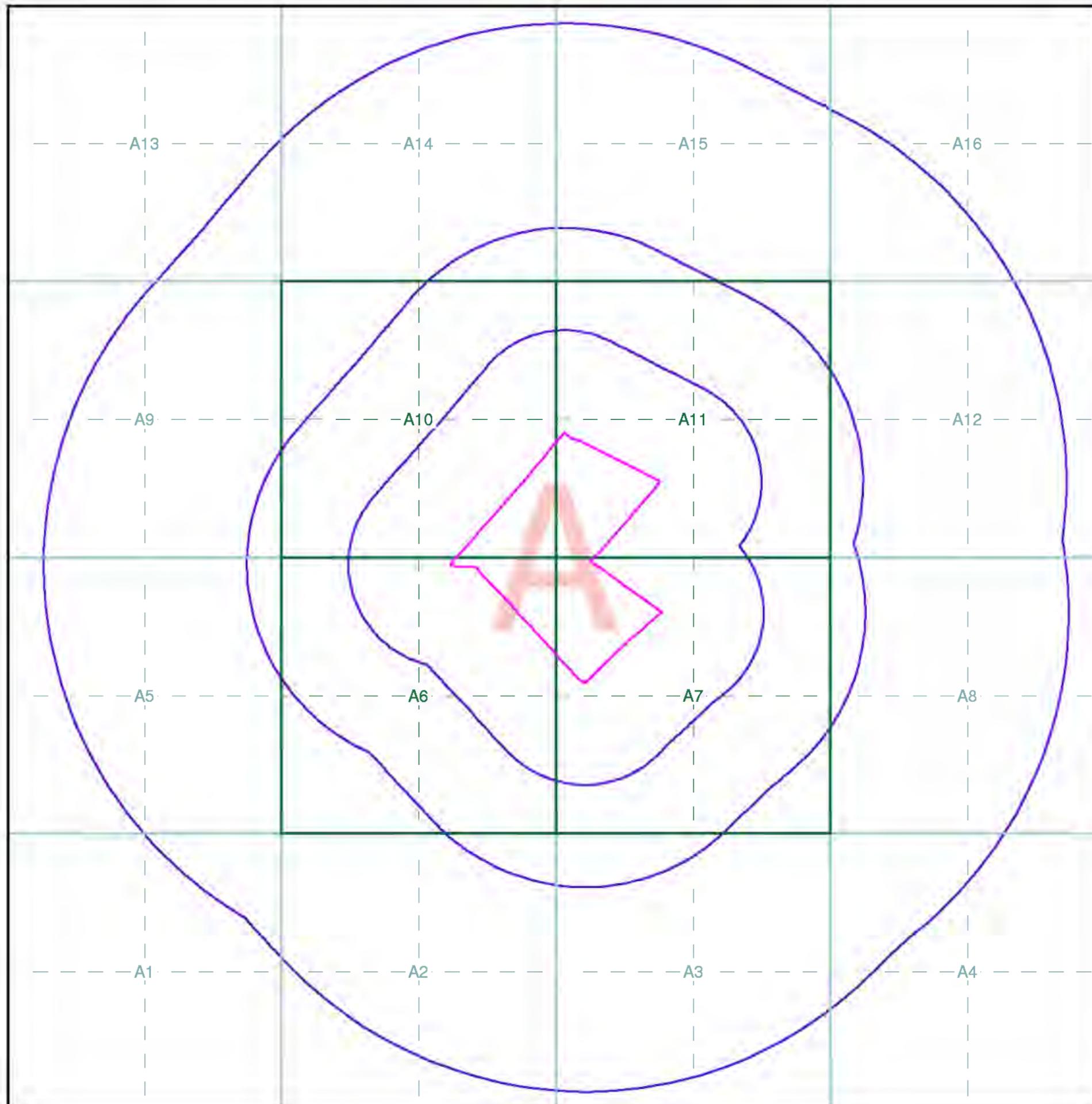
Site Details

8, Evenhill Road, Littlebourne, CANTERBURY, CT3 1TE

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



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Web: www.envirocheck.co.uk





APPENDIX D

BGS BOREHOLE LOGS

IGS SOUTHERN REGION - Borehole Reference Information

REGISTRATION NO: **TR 15 NE 6** **13** **14**

Bin. quarter st. Acn. no. Suffix

100 km square

Signed: T.G.L

Date: 2/3/76

A Name of borehole: **LITTLEBOURNE ~~KENT~~**

15 16 20

B Basic information:

Nat. Grid Reference (within 100 km square)
 Easting: **1962** Northing: **5777**
16 25

OD. level (in metres): **611** Accuracy: **2**
26 33

Known to nearest:
 metre - 6
 10 metres - 5
 100 metres - 4

Round to nearest:
 0.01 m - 4
 0.1 m - 3
 1.0 m - 2
 10.0 m - 1

Confidential (C) or Non-Confidential (N): **N** 34

Underground (U) or Surface (S): **S** 35

Vertical, down (1) or Inclined, down (2) Horizontal (3) Inclined, up (4) Vertical, up (5): **1** 36

Drilling method: **P** 37

Porosity: **C** 38

Year: **1949** 48

Origin (For whom): 46

V. reliable (4) Ave. reliability (3) Unreliable (2) V. unreliable (1): 47

Geologist: **GBN** 51

Borings Dept. nota. no. SN-: 56

One inch sheet: **289** 57

Hydro. Dept. well no.: **246** 58

EGU recn. no.: 68

Type of ref.: 67

Other reference: 69

C Other data:

Detailed log: 16

Graphic log: 17

NG by falling: 18

County by photo map: 19

Sample descr.: 24

List of samples: 21

Grainings: 22

Gravel slabs: 23

Specs. to 2 ft: 24

Ref. from 2 ft: 25

Specs. to 2 ft: 26

Ref. from 2 ft: 27

Mineralogy: 28

Hydro. slabs: 29

Cont. Ppt.: 30

Geochem.: 31

Geology: 32

Hand out Publications: 34

Other, as specified: 35

Other: 36

Other remarks and amendments: **Retitled - Bissen List - Carter 1967**

Specimens in Borings

Dept. Bt 4906 - 6544

V. reliable (4)
 Ave. reliability (3)
 Unreliable (2)
 V. unreliable (1)

IGS SOUTHERN REGION - Summary Borehole Succession

TR 15 NE/13

Signed: T.E.L.

REGISTRATION NO.

Bin. quarter sht. Area no. Suffix

TR 15 NE 13 [] [] [] []

Date: 2/3/76

Header record:

Author of strat. Year Other strat. classes Imp. strat. classes

D GBN 1967 N M

15 19 23 24 25

Y or N I or O

Succession records:-

LITHO-STRAT UNIT	STRAT. CODE		DEPTH TO BASE			LITHOLOGY				STRAT. UNIT / (Class. code)
	LITHO-STRAT	CHRONO-STRAT	FEET	INS	% INS	1st COMPONENT	2nd COMPONENT	3rd COMPONENT		
									METRES	
1 T	GP		30.9			SAND	CLAY		UC	
2 CK	KV		259.4			CHLK	CLAY	MARL		
3 G	KA		307.5			CLAY				
4 LGS	KPKA		311.4			SAND	CLAY		UC	
5 GO	JN		322.9			CLAY	LMST		UC	
6 G										
6 CM	CW		799.8			COAL	SDST	CLAY		
7 END										

D STRATA LOG

Geological Classification	Description of strata	Thickness	Depth
(BGS only)		m	m
	<p>LARGE GRAVEL SOFT UNSTABLE CHALK</p>	8 17	8 25
(continue on separate page if necessary)			
Other comments (e.g. gas encountered, saline water intercepted, etc.)			
DOMESTIC SUPPLY			

FOR OFFICIAL USE ONLY

FILE
LIC NO.

CONSENT NO.
PURPOSE

NGS REF NO.
NRA REF NO.

DATE REC:

COPY TO:

ENTERED BY:



British Geological Survey

HYDROGEOLOGY RESEARCH GROUP

Eastern L.S.
Thames E.A.

TR25/203

Form WR-38 (BGS)

BOREHOLE RECORD 255

TR25/^{NW}~~SE~~ SZ

A SITE DETAILS	
Borehole drilled for	Mrs & Mrs S. GREEN
Location	LITTLE COURT, LITTLEBOURNE, CANTERBURY, KENT.
NGR (8 fig.)	TR 2075 5770 Please attach site plan
Ground Level (if known)	
Drilling Company	SMITH & WEBB (DRILLING) LTD
Date of Drilling	Commenced 28-10-99 Completed 1-11-99
B CONSTRUCTION DETAILS	
Borehole Datum (if not ground level)	_____ above _____ m below GL
(point from which all measurements of depth are taken e.g. flange, edge of chamber, etc.)	
Borehole drilled diameter	_____ mm from <u>GL</u> to <u>25</u> m/depth
	_____ mm from _____ to _____ m/depth
	_____ mm from _____ to _____ m/depth
Casing material <u>PVC</u> diameter and type (e.g. if plain steel, plastic slotted)	_____ mm from _____ to _____ m/depth
<u>PLAIN</u> diameter	<u>100</u> mm from <u>GL</u> to <u>16</u> m/depth
<u>SLOTTED</u> diameter	<u>100</u> mm from <u>16</u> to <u>25</u> m/depth
_____ diameter	_____ mm from _____ to _____ m/depth
Grouting details	
Water struck at	<u>4</u> m (depth below datum — mbd)
	_____ m (depth below datum — mbd)
Rest water level on completion	<u>3</u> mbd
C TEST PUMPING SUMMARY (Please supply full details on Forms WR-39)	
Test Pumping Datum (if different from borehole datum)	_____ m above below borehole datum (mbd)
Pump Suction depth	_____ mbd
Water Level (Start of Test)	_____ mbd
Water Level (End of Test)	_____ mbd
Pumping rate	_____ m ³ /d:l/s
for	_____ days/hours
Recovery to (from end of pumping)	_____ mbd in _____ mins: hrs: days
Date(s) of measurements	_____
Please supply chemical Analysis if available.	

SIMPLE PUMP TEST
INDICATED 900gpm

TRIAL PIT LOG	Fig No. 4
---------------	-----------

Trial Pit No.: TP 2	Ground Level :	Coordinates :
Job Number : S190	Dates : 30/06/89	
Location : COURT HILL, LITTLEBOURNE	Logged By : UB	

Samples Taken	Legend	Depth m.	In-situ Tests	DESCRIPTION	Remarks
		0.00		Stiff, dry, light brown, slightly gravelly, very silty, CLAY. Gravel consists of rounded to angular flint fragments (<40mm) with occasional chalk fragments (<10mm). TOPSOIL	0.0 - 0.5m some to many roots (<3mm) encountered.
		(0.30)			
0 1		0.30		Firm, becoming soft to firm, orange brown, very silty, CLAY. HEAD BRICKEARTH	
		(1.60)			
0 2		(1.60)			
0 3		1.90		----- End of Trial Pit	Some to many root tracks (<1mm) and some silt lined, occasionally infilled, root tracks (<10mm) encountered to base of pit. Trial pit sides remained stable after excavation. No Groundwater encountered. U38 sample compressed to 50%.

Key Sample Types U Undisturbed D Disturbed B Bulk Disturbed W Water	Insitu Tests V Hand Shear Vane Test CBR In-Situ CBR Test Progress / Water Levels --- Test Pit Depth L --- Water Level a.m. P --- Water Level p.m.	Water Strike Standpipe Reading
---	---	-----------------------------------

Scale 2m/sheet	Sheet No. 1 Of 1. Depth 0 to 2 m
-------------------	-------------------------------------

Equipment and Methods
 MACHINE EXCAVATED. WEATHER: HOT AND SUNNY

APPENDIX E

TECHNICAL BACKGROUND

H1 Desk Study

Aquifer designation and Source protection zones

Principal aquifer: layers of rock or drift deposit that have high intergranular and/or fracture permeability (usually providing a high level of water storage). They may support water supply and/or river base flow on a strategic scale.

Secondary A aquifer: permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

Secondary B aquifer: predominantly lower permeability layers that may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering.

Secondary undifferentiated aquifer: it has not been possible to attribute either a category A or B to a rock type. In most cases this means that it was previously designated as both a minor and non-aquifer in different locations owing to the variable characteristics.

Unproductive' strata: low permeability with negligible significance for water supply or river base flow.

The EA generally adopts a three-fold classification of source protection zones (SPZ) surround abstractions for public water supply. The Site is situated in an area defined as follows:

- Zone 1 or the 'inner protection zone' is located immediately adjacent to the groundwater source and is based on a 50-day travel time from any point below the water table to the source. It is designed to protect against the effects of human activity and biological/chemical contaminants that may have an immediate effect on the source
- Zone 2 or the 'outer protection zone' is defined by a 400-day travel time from a point below the water table to the source. The travel time is designed to provide delay and attenuation of slowly degrading pollutants
- Zone 3 or the 'total catchment' is the area around the source within which all groundwater recharge is presumed to be discharged at the source.

Preliminary risk assessment methodology

CLR11 outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. Under CLR11, three stages of risk assessment exist: preliminary, generic quantitative and detailed quantitative. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) contaminant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

The likelihood of an event can be classified on a four-point system using the following terms and definitions based on CIRIA C552:

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term
- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

- severe: short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000)
- medium: chronic damage to human health ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem
- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment
- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the table below.

		Consequences			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low

Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

- very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required
- high: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term
- moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term
- low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild
- very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.

APPENDIX F

SITE RECONNAISSANCE PHOTOGRAPHS

<i>PHOTOGRAPHIC LOG</i>	
Photo no. 1	Date: 07/01/21
Looking northeast	
Description: General overview of site	
	

Photo No. 2	Date: 07/01/21
Looking southeast	
Description: General overview of site	
	

Photo No. 3	Date: 07/01/21	
Looking east		
Description: Drainage ditch intersecting the centre of site (upper reaches)		

Photo No. 4	Date: 07/01/21	
N/A		
Description: View of running water within the drainage ditch (lower reaches), no contamination observed.		

Photo No. 5	Date: 07/01/21	
Looking west		
Description: View of running water within the drainage ditch (lower reaches), no contamination observed.		

Photo No. 6	Date: 07/01/21	
Looking north		
Description: Drainage ditch entering headwall within The Hill road (A257)		

Photo No. 7	Date: 07/01/21	
Looking south west		
Description: ICBs and demolition stockpile adjacent the southern site boundary.		

Photo No. 8	Date: 07/01/21	
Looking south east		
Description: Storage of refrigerators and air-conditioning units adjacent the southern site boundary.		