RiverOak Strategic Partners

Manston Airport Development Consent Order

Preliminary Environmental Information Report
Volume 7: Appendix 10.1 part 1
June 2017

For consultation

Scheme Name	Manston Airport DCO
Promoter's Name	RiverOak Strategic Partners
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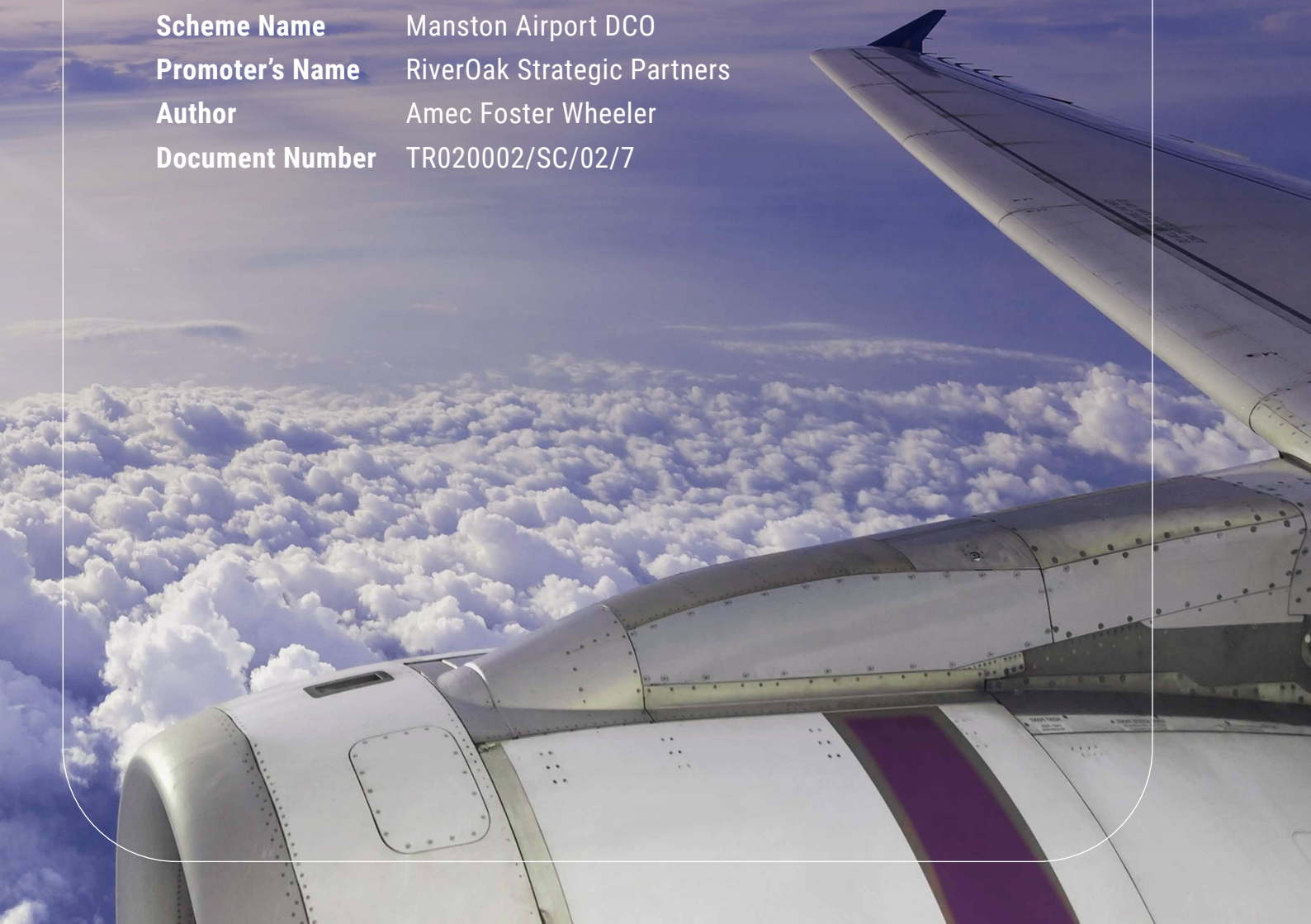

2017 Consultation

Suite of Consultation Documents

1.1 As part of the statutory consultation under section 47 of the Planning Act 2008 a suite of consultation documents relating to the proposal to reopen Manston Airport is available to the public. Together these documents give an overview of the development proposals including information on the potential benefits and impacts of the Project, environmental considerations and the business case. The documents also provide further information on the consultation process and enable the public to submit their feedback.

1.2 This consultation also forms part of RiverOak's initial engagement on the design of airspace and procedures associated with the airport. As such it is an opportunity for members of the community to highlight any factors which they believe RiverOak should take into account during that design phase. Having taken all such factors into account, the subsequent proposals for flightpaths and airspace will be subject to a separate round of consultation once the DCO application has been made.

1.3 The suite of consultation documents includes:

1. a Consultation Leaflet giving an overview of the proposals and details of where more information about the Project can be found;
2. a Feedback Form in order to collect responses to the consultation;
3. an Overview Report giving a summary of the proposals including the potential benefits and impacts of the Project, how we propose to mitigate against potential impacts, and a non-technical summary of the Preliminary Environmental Information Report (PEIR);
4. **a Preliminary Environmental Information Report (PEIR); containing preliminary information on the likely environmental effects of our proposals as we have ascertained them so far, including noise, transport and air quality, and how we propose to minimise these effects, as well as how we propose to maximise the benefits of the Project;**
5. a draft Masterplan for Manston Airport;
6. Manston Airport - a Regional and National Asset, Volumes I-IV; an analysis of air freight capacity limitations and constraints in the South East and Manston's ability to address these and provide for future growth;
7. an Outline Business Case;
8. a Statement of Community Consultation;
9. a Location Plan; and
10. an Interim Consultation Report, setting out the details of the first stage of consultation and how feedback received has been used to help develop the proposals.

1.4 This Preliminary Environmental Information Report has been prepared pursuant to the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009, as amended.

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Manston Airport, Kent

Draft Phase 1 Geoenvironmental Desk Study

May 2017

Amec Foster Wheeler Environment
& Infrastructure UK Limited

Draft - see disclaimer

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1. Summary

Background	AMEC Foster Wheeler Environment & Infrastructure UK Ltd (AMEC Foster Wheeler) was commissioned by RiverOak Investment Corp LLC (the Client) to prepare a Phase 1 Geoenvironmental Desk Study on land contamination and geotechnical considerations as part of the Environmental Impact Assessment for the Development Consent Order (DCO) application for the reopening and reinstatement of Manston Airport, Kent. With the development of a new master plan for the airport the Client is seeking to demonstrate, in accordance with Section 23 of the Planning Act, that the airport has the capacity to handle a minimum of 10,000 freight air traffic movements (ATM) per year and therefore provide key additional airport capacity to the southeast of England. The purpose of this report is to assist the Client, in understanding potential geotechnical hazards and environmental liabilities associated land quality for the proposed development to support the safe and economic development of the site.
Objectives	**The objectives of this report are as follows:** ► Review of any existing information, including information obtained from sources such as Landmark Information Group's Envirocheck report; ► Provision and review of preliminary UXO Assessment Report. ► Site walkover, which could not be undertaken prior to writing this report. ► Desk Study Reporting including collation of the results of the above tasks into a concise report and the development of a Conceptual Site Model and a preliminary Qualitative Risk Assessment (QRA), according to the source - pathway - receptor model. ► Identification of information gaps relating to land contamination and any requirements for further assessment. ► Geotechnical assessment to identify potential hazards and constraints.
Site Description	The site covers approximately 3 km^2 and includes a 2,748 m long runway, taxiway and aprons, passenger terminal, carparks, freight handling facility, hangers and other site infrastructure. The site is an irregular shape, bisected in the northern third by Manston Road running in an east to west direction. The majority of the operational site area is located to the south of Manston Road, including the runway and taxiway occupying the southernmost part of the site. North of the runway and south of Manston Road is the passenger terminal building and car parking in the east and a freight handling facility and aircraft hangers in the west. Some of the warehouse buildings in the western part of the site (the freight handling facility) are still in use by a range of haulage companies. There is also a small charter helicopter business operating from the area adjacent to the warehouses. To the north of Manston Road there are two masts at the north-western site boundary. The elevation is 49 m above ordnance datum (AOD) both in the southern and northern parts of the site and steps down towards Manston Road to 41 m AOD. A Site walkover was carried out by Amec Foster Wheeler from 7th to 9th February 2017.
Proposed development	It is understood based on the most recent development plans (dated 11/05/2017) that most of the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces. One tank farm would be located southeast of the runway.

Site History	The site remained undeveloped from the earliest mapping (1873) until 1915 when aircraft started to use the open farmland of Manston as a site for emergency landings. As well as operational flights, a training school was established at the aerodrome. A runway was built to the south between 1943 and 1944 which include a fuel based fog dispersal system. During World War II, Manston was heavily bombed. The site was used as an emergency landing field for returning bombers suffering from low fuel or technical problems. The airfield became a storage for heavy bombers. During the 1950's the US Airforce used the site as a Strategic Air Command base for its fighter and fighter-bomber units. From 1960, the airfield was back under Royal Air Force (RAF) control. It was designated one of the country's Master Emergency Diversion Airfield for both military and civilian flights. In 1968 site had expanded with taxiway, aprons and buildings. A sub-station is noted in the extreme eastern part of the site from 1977. Two museums had also been developed in the western part of the site by 1995. The RAF operation of the site ceased in 1999 and the airport became Kent International Airport with exclusively civilian air traffic (cargo and passenger flights). The airport closed in 2014. Between 1873 and 1894, the surrounding areas of the site were grass and agricultural lands. The settlement of Manston was present, at its closest approximately 250m to the north and 600m east of the site. The Ashford Canterbury & Ramsgate Branch railway (which is still present) ran northeast to southwest approximately 300m southeast of the site boundary. From 1894 more buildings/houses were constructed in the surroundings of the site. The road network also extended. From 1949, a tank farm comprising four above storage tanks and another one outside is present in the direct south-eastern vicinity of the site. The tank farm located south of the site has reduced in the number of tanks since 1995 and is now operated by Jentex. The A299 highway, a roundabout and a solar energy farm were constructed to the south of the site during the period 1995-2016.
Site Sensitivity	The site is underlain by the following geological sequence: Made Ground, Quaternary deposits (Head 1 and Head 2), Sand, Silt and Clay (Thanet Formation), White Chalk with flint (Margate Chalk Member and Seaford Chalk Formation). The site lies entirely within a groundwater source protection zones (SPZ) catchment. The inner zone (SPZ1), where risk of contamination from pollution causing activities is greatest, is identified in a strip beneath the runway. This is surrounded by a wider area of outer zone (SPZ2) that also dominates the area beneath the runway, in the south of the site. The remainder of the site falls within the wider SPZ catchment area (SPZ3). The closest public groundwater abstraction is located approximately 400m to the east of the site. The site lies within a groundwater body with poor chemical quality. The groundwater sensitivity is assessed as Very High. The site in underlain by a Principal aquifer (Chalk). The soils below the site and surrounding areas are classed as variably permeable urban soils of high leaching potential. As soil information for restored mineral workings and urban areas is based on fewer observations a worst case vulnerability classification is assumed until proved otherwise. The surface water sensitivity is assessed as moderate to low due to the potential for pollutant transmission water located 2.5 km from site via baseflow or via an interconnected unclassified drains or streams. The site is located within a nitrate vulnerable zone. Approximately 900 m south-east of the site boundary are The Sandwich and Pegwell Bay as well as the Thanet coast classified as National Nature Reserves, Ramsar sites, Sites of Special Scientific Interest, Special Areas of Conservation and Special Protection Areas. The Preliminary Unexploded Ordnance (UXO) Risk Assessment undertaken for the site identifies that there is a medium to high probability of UXO encounter on the site (probability rating of 4, on a scale up to 5). It is recommended that in accordance with CIRIA C681 Chapter 5 on managing UXO risks, 6 Alpha, a detailed UXO threat & risk assessment be carried out prior to any intrusive works.

Initial Conceptual Model & Preliminary Environmental Risk Assessment	The site walkover, the initial Conceptual Model and the preliminary risk assessment have identified a number of potential contaminant linkages that are related to bulk fuel installations (BFIs), the burning of petrol along the runway, fuel pipes potentially connected to the BFI to the north east and/or to the runway, the use and storage of "Pyrene" runway foam, the 1996 diesel spill, a burning ground area, the Motor Transport (MT) workshops (former and current), the fuelling and cleaning of aircrafts / helicopters, the use and storage of de-icing chemicals, the waste oil and gas oil installations, the potential materials disposed of at a former air-raid shelter, the acid pits infilled with unknown materials, the car garages and fuel stations, the infilled chalk pits, the waste storage areas, the sub-stations, the Made Ground associated with the former development, the firefighting activities and the Jentex tank farm. The risk rating of the potential linkages range from low to moderate.
Geotechnical Risk Assessment	The following geotechnical constraints across the site have been identified for the site: ▶ Made Ground extending to depths of up to 0.30 m bgl has been identified within the site boundary overlying the natural soils. The Made Ground is not considered to be a suitable founding stratum and should be excavated prior to any construction or loading across the site. ▶ A high risk of ground dissolution for soluble rocks and a moderate risk of collapsible deposits have been identified across the site associated with the underlying chalk. ▶ A vertical shaft is recorded within the western area of the site and an adit entry in the eastern area of the site that would require further information to be obtained to determine the extent of mining activity across the site. ▶ There is a risk of solution features across the site associated with the underlying chalk that require further investigation to determine the potential impact on any construction work or loading across the site. ▶ The identification and location of services has not been undertaken as part of this desk study and therefore the presence of services should be considered prior to any ground investigation and construction works. Appropriate measures should be taken to avoid and protect the existing services as necessary. ▶ Potential for infilled chalk pits. In addition, the presence of existing services may pose some access constraints, with a requirement for measures to avoid or protect them.
Conclusions	The initial CM has identified a number of potential contaminant linkages for receptors including current future site users, controlled waters (aquifer and potentially surface water features) and property. The risk rating of the potential linkages range from low to high. The highest risk is associated with risks to groundwater from the Jentex fuel farm which overlies the groundwater Source Protection Zone 1.

Recommendations	A Preliminary UXO Risk Assessment has been undertaken for the site which indicates a medium to high probability of UXO encounter on the site (probability rating of 4, on a scale up to 5). As such a detailed UXO threat & risk assessment should be carried out prior to any intrusive works. The desk based assessment has identified a number of potential geo-environmental constraints associated with the proposed redevelopment / reopening of the airport. To gain a more detailed understanding of these constraints, further assessment is required. Due to the sensitivity of the groundwater we understand there is a desire from the water company operating the abstractions to avoid installation of groundwater wells at the site. It is therefore appropriate that the intrusive investigation takes a stages approach. In the first instance investigating the shallow soil using trial pits and window samples to determine if there is evidence of contamination. This would then determine the need for and scope of any direct investigation of the groundwater while minimising disturbance of the aquifer highly sensitive to turbidity. Whilst geotechnical issues are not a material planning consideration, geotechnical data will be required at a later stage to inform the detailed design of the proposed development. Adopting a combined geotechnical approach at the outset, making use of ground investigation undertaken to support planning, to obtain initial geotechnical data, would avoid duplication and present a saving in terms of cost and programme. The combined approach would also assist in highlighting any ground abnormals, although it is acknowledged that more detailed geotechnical assessment may be required once the form and layout of the proposed development is confirmed.

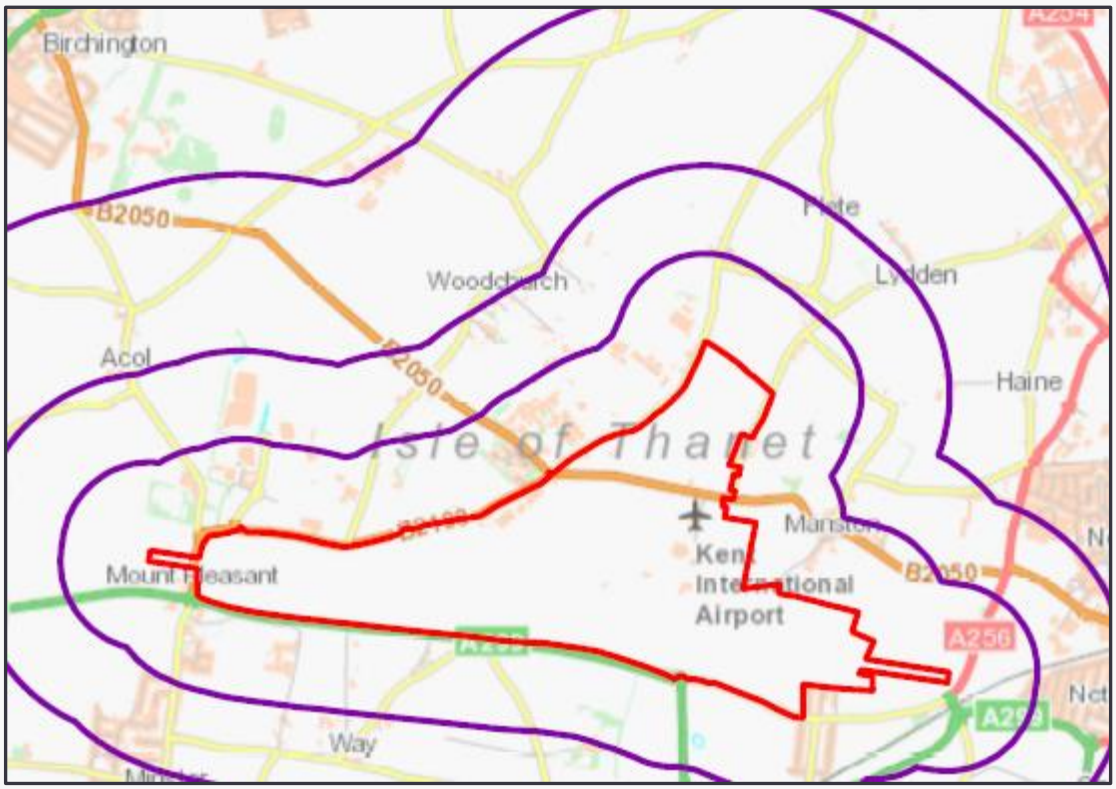
2. Introduction

Background and objectives	AMEC Foster Wheeler Environment & Infrastructure UK Ltd (AMEC Foster Wheeler) was commissioned by RiverOak Investment Corp LLC (the Client) to prepare a Phase 1 Desk Study on land contamination and geotechnical considerations as part of the Environmental Impact Assessment for the Development Consent Order (DCO) application for Manston Airport, Kent. In order to secure the reopening and reinstatement of Manston Airport, RiverOak Investments Corp LLC are seeking to secure a DCO under the Planning Act 2008. With the development of a new master plan for the airport the Client is seeking to demonstrate, in accordance with Section 23 of the Planning Act, that the airport has the capacity to handle a minimum of 10,000 freight air traffic movements (ATM) per year and therefore provide key additional airport capacity to the southeast of England. The purpose of this report is to assist the Client, in understanding potential geotechnical hazards and environmental liabilities associated with land quality for the proposed development to support the safe and economic development of the site.
Scope of Work	This report has been completed in line with Amec Foster Wheeler's proposal to the Client and comprises the following scope of work: ▶ Review of any existing information, including information obtained from sources such as Landmark Information Group's Envirocheck report; ▶ Provision and review of preliminary UXO Assessment Report. ▶ Site walkover, which could not be undertaken prior to writing this report. ▶ Desk Study Reporting including collation of the results of the above tasks into a concise report and the development of a Conceptual Site Model and a preliminary Qualitative Risk Assessment (QRA), according to the source - pathway - receptor model. ▶ Identification of information gaps relating to land contamination and any requirements for further assessment. ▶ Geotechnical assessment to identify potential hazards and constraints.
Limitations	The conclusions reached and advice given in this report are based in part upon information and/or documents that have been prepared by third parties. In view of this, Amec Foster Wheeler accept no responsibility or liability of any kind in relation to such third party information and no representation, warranty or undertaking of any kind, express or implied, is made with respect to the completeness, accuracy or adequacy of such third party information. The site visit did not include inspection inside buildings nor discussions with current site staff on current or previous activities on the site.

3. Site Description and Environmental Setting

3.1 Site location and description

Site address	**Manston Road, Manston, Ramsgate, Kent CT12 5BQ**		
Grid reference	633340, 165960		
Site area	Approximately 3 km^2		
Proposed use	Redevelopment for commercial use with the reopening and reinstatement of Manston Airport. It is understood that the future development would consist of buildings and hardstanding areas located in the central part of the site, between the runway and Manston Road. One tank farm would also be located within this area and another one would be to the north-east of Manston Road.		
Site location	The site is located to the west of Ramsgate in Thanet, East Kent.		
Boundaries (Land uses and relevant features)		**Adjacent**	**Beyond (within 200m)**
	North	Agricultural lands and a solar energy facility to the north-east.	Commercial and residential development and agricultural land.
	East	Manston Road, Manston village, a quarry and a golf centre.	Commercial and residential development, agricultural land and the A256.



	South	Canterbury Road connected to Hengist Way (A299) by a round-about.	Commercial and residential development (including Minster village and Minster primary school) and agricultural land.
	West	The B2190 and the Spitfire way Royal Air Force (RAF) Spitfire and Hurricane museum, and Manston Road.	Commercial and residential development and agricultural land.
Site description and current activities	The site covers approximately 3 km^2 and includes a 2,748 m long runway, taxiway and aprons, passenger terminal and carparks, freight handling facility, hangers and other site infrastructure. The site is an irregular shape, bisected in the northern third by Manston Road running in an east to west direction. The majority of the operational site area is located to the south of Manston Road, including the runway and taxiway occupying the southernmost part of the site. North of the runway and south of Manston Road is the passenger terminal building and car parking in the east and a freight handling facility and aircraft hangers in the west. Some of the warehouse buildings in the western part of the site (the freight handling facility) are still in use by a range of haulage companies. There is also a small charter helicopter business operating from the area adjacent to the warehouses. To the north of Manston Road there are two masts at the north-western site boundary and a potentially still existing tank farm to the north-east. The elevation is 49 m above ordnance datum (AOD) both in the southern and northern parts of the site and steps down towards Manston Road to 41 m AOD. A Site walkover was carried out by Amec Foster Wheeler from 7th to 9th February 2017. The Site is mainly covered by grassed areas. Hardstanding was found in the areas associated with the aprons, the former passenger terminal and car parking, the runway and the warehouse buildings and workshops that comprise an engineering company for the maintenance of aircrafts, a helicopter pilot training, a lorry haulage company and a building that belongs to the MOD. It is understood from discussion with a former site employee that the hardstanding cover is made with reinforced concrete except for the runway. The Site hardstanding was found in rather good condition but with some alterations or cracks noticed and grass growing in the joints between the slabs at some locations. The observations from the site walkover have been used to inform section 3.7 The most recent development plans (dated 11/05/2017) suggest that most of the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces. One tank farm would be located southeast of the runway.	
Services	No detailed service plans have been obtained or reviewed as part of this Geo-environmental Desk Study report.	

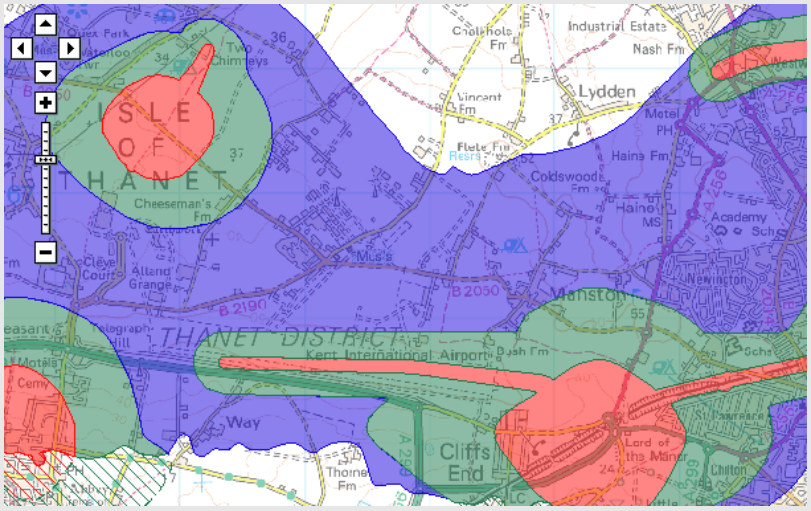
3.2 Environmental setting

Geology & hydrogeology	**Information obtained from the BGS mapping website (http://mapapps.bgs.ac.uk/geologyofbritain/home.html)** including borehole logs, BGS maps (geological map, sheet no. 274, Ramsgate, 1:50,000, published 1980 and hydrogeological map of the Chalk and Lower Greensand of Kent, sheet no. 3, 1:126,720, published 1970) and **the Envirocheck report included in Appendix A**.

Strata	Brief description of typical constituents	Average depth to upper surface (m bgl) or thickness (m)	Aquifer and approximate water level if known	Notable features
Topsoil	Dark grey sandy topsoil	Upper Surface at Ground Level Thickness 0.2m	n/a	Recorded in trial pits in the centre, north and east of the site

Made Ground	Fill material (cinders, chalk, building rubble)	Upper Surface at Ground Level Thickness 0.3 m (based on BGS trial pits onsite)	n/a	Recorded in trial pits in the centre and north of the site, but potentially located across the majority of the site due to site historical use.
Quaternary deposits (Head 1 and Head 2)	Clay and Silt	Upper Surface at 0.1m Thickness 1.1 m (based on BGS trial pits onsite)	n/a	Recorded in trial pits in the centre and east of the site.
Thanet Formation (TAB)	Sand, Silt and Clay	Upper Surface at Ground Level Thickness up to 30 m (based on BGS website - map)		Potentially located north-east of the site but not encountered in the trial pits recorded on BGS website
Margate Chalk Member (MaCk)	White chalk with little flint.	Upper Surface at 1 m (based on BGS trial pits on site) Thickness approximately 25 m south of the site (estimated based on BGS boreholes TR36NW3)	Bedrock Aquifer (Principal Aquifer)	Located across the whole site.
Seaford Chalk Formation (SECK)	White chalk with flint	From approximately 25 m Thickness ca. 28.5 m south of the site (estimated based on BGS boreholes TR36NW3)		
Hydrogeological sensitivity	The entire site and surrounding area is underlain by solid geology in the form of the Chalk Formation that provides approximately 70% of the water to the Southern Water Kent Thanet Water Resource Zone (KT-WRZ). The Chalk bedrock is classified as a Principal Aquifer. A Principal Aquifer is described by the EA (2015[1]) as layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. Borehole and Trial Pit records are available on the BGS website for several areas across and around the site. The information recorded indicates that groundwater was encountered during drilling at 44.3 m AOD in the east of the site and 40.25 m AOD in the southeast of the site. Based on the hydrogeological map (BGS website), the groundwater flow direction is assumed to be towards the south-east. The site lies entirely within a groundwater source protection zone (SPZ) catchment. The inner zone (SPZ1), where risk of contamination from pollution causing activities is greatest, is identified in a strip beneath the runway – in red on the map below. This is surrounded by a wider area of outer zone (SPZ2) that also dominates the area beneath the runway, in the south of the Site – in green on the map below. The remainder of the site falls within the wider SPZ catchment area (SPZ3) – in blue on the map below.			

[1] http://maps.environment-agency.gov.uk/wiyby/wiybyController?x=634500.0&y=166500.0&topic=groundwater&ep=map&scale=9&location=Manston,Kent&lang=_e&layerGroups=default&distance=&textonly=off



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There are no public water supply abstractions located within the site boundary, but a number of people and organisations abstract water from groundwater or ponds/lakes up to 1000m outside the site boundary (6 located within 500m, and a further 3 up to 1000m from the site boundary). The abstractions are for private water undertaking, public water supply and agriculture. Thanet District Council confirm that there are no known private water supplies within a 2km radius of the centre of the Manston Airport Site.

The Lord of the Manor PWS abstraction is closest to Manston Airport, located approximately 385 m from the eastern site boundary. The source consists of two wells, Lord of the Manor and Whitehall (the latter is disused and sealed) with three adits. The source was constructed at the southern edge of Thanet to abstract groundwater which would have discharged south towards the sea, and to intercept any high permeability zones. The Whitehall abstraction was drilled in 1850, and suffered from saline intrusion, being close to the coast. Lord of the Manor was constructed to intercept the same adit system to alleviate the saline intrusion issue (Aquaterra, 2007). There are three adits at the Lord of the Manor PWS; the Eastern, Western and South-Western Adit, constructed in the 19th and early 20th century. The most significant abstractive relevant to the Manston airport development is the Lord of the Manor source. The catchment includes Manston Airport which sits in the south west of the catchment with its runway over the western adit, the main rail-line to London, and the A299; the groundwater source protection zone for this borehole extends below the existing airport runway.

The site lies within a groundwater body with a poor chemical quality.[2]

The soils on and surrounding the site are classed as variably permeable urban soils of high leaching potential. As soil information for restored mineral workings and urban areas is based on fewer observations a worst case vulnerability classification is assumed until proved otherwise.

Groundwater sensitivity	The groundwater sensitivity is assessed as very high[3]. The site in underlain by a Principal Aquifer, the nearest abstraction is less than 0.5 km from the site and the site is in a SPZ.
Hydrology	There are no surface water features on the site. A reservoir is located approximately 350m to the south of the site. The nearest major river is the River Stour located approximately 2.5 km south of the site boundary, flowing eastwards to the North Sea. The River Stour is classified as Moderate ecological quality status within the Water Framework Directive assessment (WFD) as issued on the Environment Agency website. [4] The groundwater adit system is known to provide rapid flow to Pegwell Bay when the Lord of the manor abstraction is not in use

[2] http://environment.data.gov.uk/catchment-planning/OperationalCatchment/3282/classification?item=106&status=all
[3] NHBC/ CIEH / Environment Agency, Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66: 2008
[4] http://environment.data.gov.uk/catchment-planning/OperationalCatchment/3282/classification?item=106&status=all

Surface water sensitivity	The surface water sensitivity is assessed as moderate to low[3] due to the potential for pollutant transmission water located 2.5 km from site via baseflow or via an interconnected unclassified drain or stream.
Coastal water sensitivity	Thanet coast is located approximately 900 m southeast of the site boundary. The coastal water sensitivity is assessed as moderate to high[3]. It is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast.
Sensitive land uses	The site is located within a nitrate vulnerable zone. Approximately 900 m south-east of the site boundary are The Sandwich and Pegwell Bay as well as the Thanet coast classified as National Nature Reserves, Ramsar sites, Sites of Special Scientific Interest, Special Areas of Conservation and Special Protection Areas[5].
Ecological sensitivity	The ecological sensitivity is assessed as moderately high due to close proximity of a Local Nature Reserve.

3.3 Regulatory database information

Only regulatory data within 250m with the potential to impact the site has been detailed below, please refer to Appendix B for the complete regulatory data set within the Envirocheck.

Activity	On-Site	0-250m	Details
Aviation Services	2	2	Aviation Engineers (1) Control Panels (1) Onsite: 2 registered airports : Kent International Airport and Manston Airport
Building Services	0	1	Builders' merchants (1)
Car services (body repairs and dismantlers etc)	2	7	Onsite: 1 car dealer, inactive and 1 garage service inactive – not seen during the February 2017 site visit, Car Dealers (2) Car Repair (2) Garage Services (3) Mot testing centres (2)
Dry cleaners / Cleaning Services	0	1	Carpet / Curtain Cleaners & upholstery services (1)
Generators Sales & Service	0	1	Generators sale & service (1)
Joinery & window tinting	0	2	Joinery Manufacturers (1) Window Tinting (1)
Waste management / transfer / treatment facilities /disposal	0	1	Waste disposal service (1)

[5] www.magic.gov.uk

Water Coolers	0	1	Water Coolers (1)
Fuel stations	0	8	Petrol Station (4) : 2 to the southwest (1 open, 1 obsolete), 1 to the southeast (closed) and 1 to the northwest (closed) Filling station (1 (inactive)- same address as obsolete petrol station to the southwest) Oil Fuel Distributors (3 – all at the Jentex site address but with a different name: Jentex petroleum ltd, Anthony Jenkins Fuel Oils, jentex)
Mineral Site	0	1	Metal Products (1)
Landfills	0	3	1 historical landfill 76 m north-northwest from site boundary- Manston road – used between 1974 to 1987 for inert waste 2 historical landfills 268 m and 270 m west from site boundary (Sunnybank used between 1976 to 1984 for inert waste and Allan Grange lane also used for inert waste)
Radon	-	-	The site is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level. No radon protective measures are necessary in the construction of new dwellings or extensions.

Local Authority Information

An environmental information request was submitted to the Thanet District Council. The environmental information received includes historical land uses at the Site and its surroundings, maps with the locations of the groundwater source protection zones, the Environment Agency landfill atlas data, the discharge consents and the abstraction data. Information on the Council's Contaminated Land Register has also been provided – refer to Appendix F.

The Council information confirms that the site overlies the former Kent International Airport which had former uses as an RAF base and commercial airport. According to the Council there is a potential for contamination of the ground from leaks or spills (of fuel/oil/hydrocarbons), presence of asbestos containing materials (ACMs), Unexploded Ordnances (UXOs) from World War II activities and a variety of products used in the running and maintenance of commercial and military airfields and aircraft.

Based on the Council's records, there are various potentially contaminated features within 250m of the Site, including former fuel depot, cemetery, hospital, laundry, military land, petroleum tanks, quarry, road haulage, filled ground, brick works, refuse disposal and Petrol Filling Station (PFS).

The Council does not hold information on historic Military of Defence (MOD) remediation of the Site.

The Council is not intending to take action under Part IIA of the Environment Protection Act 1990 based on the information currently held.

3.4 Unexploded Ordnance (UXO) Risk Assessment

A Preliminary UXO Risk Assessment has been undertaken for the site and included in Appendix B.

The report identifies that there is a medium to high probability of UXO encounter on the site (probability rating of 4, on a scale up to 5).

The report recommends that in accordance with CIRIA C681 Chapter 5 on managing UXO risks, 6 Alpha, a detailed UXO threat & risk assessment should be carried out prior to any intrusive works.

According to the Land Quality Assessment Phase One from GIBB Environmental[6], Explosive Ordnance Disposal (EOD) clearance surveys were performed by the MOD at the site in the past, however grassed areas surrounding the runway, and notably two parcels located south east of the runway, and hardstanding covered areas were usually not subject to a EOD search and clearance.

3.5 Site History

A summary of the historical development of the site, based on historical **Ordnance Survey (**OS) maps (1:10,000 and 1:2,500) and the Land Quality Assessment Phase One from GIBB Environmental[6], is presented below. The historical maps can be found within the Envirocheck report in Appendix B. Where relevant, interpretation of the maps is supported by knowledge from historical websites for the site and its surroundings[7].

1873-1894

On Site: The earliest available map dates 1873 and shows the site as grassland and agricultural land. Two chalk pits have been identified within the site boundaries in the central eastern area of the site. A track and a road cross the central and southwestern parts of the site respectively. A windmill was present in the southwest part of the site.

Telegraph Hill is present in the southwest part of the site. This is noted as being an area where 'ancient British and Saxon coins' have been found. Also in the vicinity of Telegraph Hill a 'Pit' is noted. This is detailed further in the Envirocheck report as a vertical shaft with chambers at the base. It is likely that this is a former chalk mine.

Off-Site: The surrounding areas were predominantly grass and agricultural lands at that time. A reservoir and a brick works were present in the direct northern vicinity of the site. There was one pond directly to the north-east of the site. Several chalk pits were present to the east, south and southwest of the site. A number of buildings / houses with small woodlands were present around the site. The settlement of Manston is present, at its closest approximately 250m to the north and 600m east of the site. The Ashford Canterbury & Ramsgate Branch railway runs northeast to southwest approximately 300m southeast of the site boundary.

1894 – 1938

On Site: No significant changes are noted within the site boundaries on the 1894 to 1938 editions. The two chalk pits are no longer present on the maps dating 1896 onwards, suggesting they may have been infilled. The windmill in the south-western part of the site was also no longer present on maps dating 1896.

Information obtained from the internet[7] indicates that aircraft started to use the open farmland of Manston for emergency landings during the winter of 1915-16. An aerodrome was established at the site shortly after including operational flights and a training school [7]. By 1918 the airfield comprised some hangars and wooden huts on the east side and the major concentration of hangars and buildings on the west side. Several training schools were implemented between 1921 and 1936 and additional facilities – classrooms and barracks – were built[8].

Off-Site: More buildings / houses were constructed at numerous locations in the surrounding areas of the site, as well as extensions and additions to the road network. From 1908 a laundry and a tank were located south-southwest of the site. By 1938 a second reservoir had been developed to the north of the site and the brick works were no longer present. Some of the chalk pits seem to have been infilled. One of them (south) became a reservoir. The tank is no longer shown on the map from 1938.

[6] Land Quality Assessment Phase One: Desk Study land Quality Statement. Project No. 10133 – Final report, August 1998, GIBB Environmental
[7] http://www.spitfiremuseum.org.uk/rafmanston
[8] THE MILITARY AIRFIELDS OF BRITAIN – Southern England, Ken Delve, Crowood (ISBN 1-86126-729-0)

1939 – 1951

On Site: Map detail is limited during this date range, which is likely to be due to World War II. Details of military establishments were often limited or removed from OS maps during the war period. An aerial photograph included in the Envirocheck Report dated 1947-1949 shows the presence of a runway in the southern part of the site. By 1941, the airfield had two grass strips of 5700ft (NE/SW) and 4800ft (N/S).

During World War II, Manston was heavily bombed. The site was used as an emergency landing field for returning bombers suffering from low fuel or problems to their hydraulic systems[7]. Three emergency landing strips (concrete) and associated taxiways and dispersals, i.e. equipment for FIDO consisting of the burning of petrol along the runway to disperse fog[6] were built between 1943 and 1944 and the runway opened in April 1944[8]. Petrol – approximately 250 000 gallons to run the system during one hour - was supplied from the tanks located in the fuel farm south-east of the runway and distributed through below and above ground pipelines running along the east of the runway[6]. The airfield became a storage for heavy bombers. During the 1950's the US Airforce used the site as a Strategic Air Command base for its fighter and fighter-bomber units [7].

Off-Site: A pumping station was located in the surrounding area to the northwest of the site from 1939. In the direct southeastern vicinity of the site a tank farm is visible on an aerial photograph dating from 1949.

1960 – 1968

On Site: From 1960, the airfield was back under RAF control from the US Airforce and was designated one of the country's Master Emergency Diversion Airfield for both military and civilian flights[7] due to its runway and its facility for foam-laying[8]. The most significant unit that took up residence was the Fire Service Training Establishment[8]. Trials associated with pyrene runway foamer[9] - used to cushion aircraft during emergency landings – were first tested in 1963 and then carried out between 1964 and 1980 from mobile tankers held on standby[6].
The map from 1968 shows that the site had been developed with taxiways, aprons and buildings in addition to the runway which was already present at the site.

Off-Site: More buildings / houses had been constructed at numerous locations in the surroundings of the site. A reservoir that was located south of the site near a chapel and labelled as “disused” on the previous map is no longer present at that time.

1977 – 1995

On Site: A sub-station is noted in the extreme eastern part of the site from 1977. No other significant changes are noted within the site boundaries between 1977 and 1995.

Off-Site: No significant changes are noted in the areas directly surrounding the site between 1977 and 1995.

1995 – present

On Site: Two museums have been developed in the western part of the site. No other major changes are noted within the site boundaries. The RAF operation of the site finished in 1999 and the airport became Kent International Airport operating civilian air traffic (cargo and passenger flights) [7]. Kent International Airport ceased operations in 2014.

Off-Site: The tank farm located south of the site appears to have reduced in the number of tanks during this period. The A299 highway, a roundabout and a solar energy farm were constructed to the south of the site during this period.

3.6 Previous Reports

Three reports were provided by the client for review by Amec Foster Wheeler.

Land Quality Assessment Phase One: Desk Study land Quality Statement. Project No. 10133 – Final report, August 1998, GIBB Environmental[6]:

A Phase 1 desk study was prepared for the Ministry of Defence (MOD) for Manston airfield. It comprised the review of publicly available and historical information from books, information provided by the Establishment Works Consultant (EWC), a summary of the site walkover carried out in May 1998, and a qualitative risk assessment.

The observations from this report have been used to inform Sections 3.4 and 3.7 of the current report.

[9] Product is understood to contain carbon-tetrachloride - https://www.google.com/patents/US1010870

Geo-environmental Assessment, Jentex petroleum, Cliffsend, Kent, Jentex GEA-18996-15-134, May 2015, Idom Merebrook Ltd[10]:

The Phase 1 desk study includes the findings of an intrusive Phase 2a investigation carried out at the petroleum depot located directly southeast of Manston airfield at Canterbury road. A preliminary risk assessment was prepared to advise on the geo-environmental implications of the re-development of the site from industrial/commercial to residential. The intrusive investigation included three cable percussion boreholes advanced down to 10.45 m bgl and 15 trial holes dug to 4m bgl. The western part of the site was not included in the investigation.

According to Idom Merebrook, the geology encountered was Made Ground directly overlying Chalk. Ground or perched – water was not encountered. 25 soil samples, including 14 samples from natural ground and 11 samples from Made Ground, were collected and analysed for asbestos, pH, heavy metals, TPH, BTEX, PAHs, and Phenols. Shallow soils were found to be impacted with PAHs and asbestos.

The risk to the current and future site users was assessed as being low to moderate, likely requiring mitigation measures. No volatile contamination was identified. The risk to the underlying chalk aquifer was considered to be low. However a further supplementary investigation was agreed with the EA in order to confirm whether or not the contamination had extended to the chalk strata.

Geo-environmental Assessment Report, Jentex – Supplementary Assessment, Cliffsend, Kent, Jentex Group of Companies, GEA-18996B-16-144, May 2016, Idom Merebrook Ltd[11]:

The report presents the findings of a supplementary intrusive investigation conducted at the petroleum depot, located directly southeast of Manston airfield at Canterbury road, in order to verify whether or not the hydrocarbon impacted identified during the 2015 investigation had extended to the chalk strata.

Two boreholes were advanced down to 10m bgl and eight trial pits dug to a maximum depth of 3.5m bgl. The geology encountered was Made Ground overlying Head deposits which were underlain by Chalk. Ground or perched-water was not encountered during the drilling works.

24 soil samples, including 16 from natural ground and eight from Made Ground, were collected and analysed asbestos, pH, heavy metals, TPH, BTEX, PAHs, Cyanide and Phenols. Localised hydrocarbon (mainly TPH) - and lead at a few locations - impact was detected in shallow soils. No contamination was found to be extending to depth therefore the risk to the Chalk aquifer was estimated as being likely not significant.

In addition to the listed above reports, a Phase 1&2 report prepared in connection with the Kent International Airport radar mast application was reviewed by Amec Foster Wheeler as advised by the Thanet District Council.

Kent International Airport Manston, Radar Mast development, Phase 1 and 2 Contaminated Land Assessment, June 2010, Jacobs:

A Phase 1 & 2 Contaminated Land Study was undertaken by Jacobs to support the planning application for the installation of radar mast at the airport. The radar mast was proposed to be located in the north western part of the Site next to the Manston road and north of the Spitfire and Hurricane museums. A site visit was carried out in October 2009. The findings were that the area where the radar mast was intended to be installed consisted of an area of concrete hardstanding which was possibly the foundation for a previous installation. The surroundings areas were open grassed lands.

The Phase 1 study summarizes the findings of the previous investigations that were undertaken at various part of the Site - at the runway, the bulk fuel installation facilities, the fire rescue building and the former MOD domestic site. Elevated concentrations of hydrocarbons were detected above the soil screening guidelines used at the time of those investigations. Concentrations of up to 41,657 mg/kg, i.e. above the Dutch Intervention level of 5,000 mg/kg used at the time, were identified during the fuel compound's investigation in 1999. In addition the study identified the other following potential sources of contamination:

[10] Geo-environmental Assessment, Jentex petroleum, Cliffsend, Kent, Jentex GEA-18996-15-134, May 2015, Idom Merebrook Ltd

[11] Geo-environmental Assessment Report, Jentex – Supplementary Assessment, Cliffsend, Kent, Jentex Group of Companies, GEA-18996B-16-144, May 2016, Idom Merebrook Ltd

- made ground identified as widespread across the airport during the 1999 intrusive investigation – contaminants could include heavy metals, hydrocarbons, asbestos, volatile organic compounds;
- historical FIDO operations – potential presence of hydrocarbons;
- potential leaks from mobile fuel tanks that were not equipped with a spill protection;
- several waste management sites, including an historic landfill, two active waste transfer sites and a closed landfill, located within 300m east of the Site – contaminants could include heavy metals, hydrocarbons, organic compounds;
- an active petrol station and garage (Drome) and an inactive car body works located within 250m north east of the Site – contaminants could include hydrocarbons, solvents;
- an active road haulage services facility located approximately 450m east of the Site – contaminants could include hydrocarbons, solvents;
- potential presence of radioactive material as a hotspot of radioactive material was previously detected at the fire training school which is located close to the potential location of the radar mast;
- potential residual buried UXO from previous Site use as RAF airfield during World War II;
- use of glyphosate based weed killers at the airport.

An intrusive Phase 2 Site investigation was carried out in March 2010. It included five window sample borings excavated down to 4m bgl in the area of the proposed radar mast location. The geology encountered was Made Ground (between 0 and 0.3m bgl) overlying Clay (between 0.25 and 3.2m bgl) which were underlain by Chalk (between 1.4 and 4m bgl). Groundwater was not encountered during the intrusive works. 10 soil samples were collected within the made ground and the chalk and analysed for heavy metals, pH, total organic carbon (TOC), PAHs, TPH, speciated extractable petroleum hydrocarbons, volatile and semi volatile organic compounds, asbestos screen and glycols. In all the samples the concentrations detected were below the relevant screening criteria (generic assessment criteria (GAC) 2009 for human health for commercial end use and withdrawn soil guideline value 2002 for lead). TPH, for which no GAC were available, were detected with concentrations ranging from 4,11mg/kg and 258mg/kg.

In addition a Phase 2 report was provided to Amec Foster Wheeler by RPS.

Site Investigation Tank 2, Base Validation, Jentex, The Storage Installation, Canterbury Road West, Ramsgate, Kent, CT12 DU, Ref: 07R898, 2007 Randall & Walsh Associates

The report summarises the findings of an intrusive site investigation carried out at the petroleum depot, located directly southeast of Manston airfield by RAW Group, following the decommissioning and demolition of a fuel oil storage tank (named Tank 2). Tank 2 was originally built on a brick bund directly over the Chalk Formation. It had a capacity of 2 000 000 litres. The intrusive investigation comprised eleven trial pits excavated down to 0.3m bgl across Tank 2's former location and six soil borings advanced down to 1m bgl in the embankment that surrounded the former location of the tank. Chalk was encountered from ground level to 0.3m bgl in the trial pits.

Topsoil including Chalk fragments was encountered from 0 to 1mbgl in the embankment. Fifteen soil samples were collected from selected trial pits and soil boreholes. A soil sample was also collected from a stockpiled Sand that had previously been scraped back from underneath Tank after it had been decommissioned. Samples were analysed for speciated TPH by GC-FID, volatile organic compounds and BTEX. A maximum TPH concentration of 11mg/kg was detected beneath the former location of Tank 2. A maximum TPH concentration of 390mg/kg was detected in the area surrounding former Tank 2's location. A maximum TPH concentration of 320mg/kg was detected in the soil embankment. In all the samples the concentrations detected were below the 2002 Soil Guidance Values (SGVs) and the RAW in-house generic soil screening values (SSV) derived using the SNIFFER model for commercial/industrial land use where SGVs were not available.

The risks to human health and building structures, were assessed by RAW as being not significant. The TPH (mainly C21-C35) concentration of 390mg/kg detected in the area surrounding the former tank location was

not considered to pose a significant risk to groundwater given the low mobility and solubility properties of the hydrocarbon compounds in this carbon range. No further investigations or remediation works were recommended.

3.7 Current and historic site activities

3.7.1 Fuel Storage and use (S1)

3.7.1.1 Bulk fuel installations (BFI)s

Seven above storage tanks (ASTs) and 15 underground storage tanks (USTs) were identified during the site walkover by Gibb in 1998. The ASTs had secondary containments/spill control measures but some cracks were identified in the bunded areas. Information regarding a potential secondary containment for the USTs was not clear. The tansk are summarised in table 3.1

In addition a gas oil tank was identified during the 2017. This has also been included in table 3.1

Table 3.1 Historical and current fuel tanks present on site

Sources	Tank content and volumes	Age	AST/UST	Location Gibb observations	Recent observations, Amec Foster Wheeler site walkover, 2017
Tanks identified by Gibb in 1998					
S1.1	Avtur aviation fuel, 52000 L	1965	2 USTs	Bldg. 112.. Fuel interceptor. Currently empty. Proposing to remove tanks.	Only a circular area partly covered with hardstanding was visible at the BFI location of building (bldg.) 112 to the west during the site walkover. No evidence of any buildings or tanks could be found. It is not known whether the USTs have been removed and if any remediation works have been carried out

Picture 1 Location of BFI at bldg. 112

S1.2	Avtur & Avgas aviation fuel, 55000 L each	1950s	6 USTs	Bldg. 819 Part of KIA site. Unknown if secondary containment/spill control. No interceptor. No inspection possible.	Over ground pipes and pumps were present at the BFI location of bldg. 819 to the east. The installation was fenced and could not be entered for inspection. It is not known whether the USTs are still present and if any remediation works have been carried out.	 Picture 2 BFI at bldg. 819
S1.3	Fuel oil, 4953 L	unknown	1 UST	Bldg. 869. Unknown if secondary containment/spill control. Visual staining at outlet point and tank inspection pit	Location of UST not clearly identified at bldg. 869 (Fire Crash Department). Some staining was observed in the Fire Department building, which was not entered.	

S1.4	Fuel oil, 4500L each	unknown	2 bunded ASTs	Bldg. 253. Held with bund. Recently refurbished. Minor oil staining.	The two ASTs are still present at Bldg. 253 (Hangar 3). The whole area of Hangar 3 was fenced and could not be accessed. The ASTs were observed from outside of the fence. They were corroded, but no leak was observed and they were located within a concrete bund. Two pipes connected the ASTs to the ground.	 Picture 3 Corroded ASTs within a bund at bldg. 253
S1.5	Fuel oil, 6650 L	unknown	1 AST	Bldg. 91. Unknown if secondary containment/spill control. Decommissioned.	The AST that had been previously identified at the former Motor Transport (MT) building (Bldg. 91) which is now the location of the RAF Manston museum is still present. The site was closed and could not be entered. The AST was observed from outside of the fence. It was located in a brick bund.	 Picture 4 AST within a bund at bldg. 91
Additional tanks identified during the 2017 site visit						

S1.6	XL Gas oil	unknown	1 AST	Bunded	A gas oil tank was noticed at the back (south) of the KIA jet support building in a fenced area that could not be entered. Observations from the outside were that the tank was corroded and was in a bund.	 Picture 5 Gas oil tank located at the back (south) of the KIA jet support building

3.7.1.2 Onsite fuel station (S1.7)

An Avgas fuel station with a pump was found at the former aviation training centre to south east of the site. The aviation training centre is not operating planes as the airport is closed. Staining was observed but no evidence of spill. No AST was visible. Two concrete and plastic covers were noticed in the ground. USTs may be located underneath.

Picture 6 Avgas 100LL pump at former aviation training centre.

Picture 7 Avgas fuel station at former aviation training centre

3.7.1.3 Burning of petrol along the runway (Source S2)

Historical Fog Intensive Dispersal operation (FIDO) was reported by Gibb Environmental[6] to have been used from 1943. FIDO consisted of burning petrol along the runway to disperse fog. The report indicates that 250000 gallons were required for each hour of operation. The petrol came from 4x 350000 gallons tanks situated south of runway 29 and was distributed along a network of below and above ground pipes along the

eastern perimeter and south-east of the site. The tanks were still present on the Jentex Site at the time of the report. Jentex were reported to store only heavy fuel oils.

An AST that is believed to have been associated to the FIDO activities was still present at the south-eastern border of the site during the 2017 visit.

Picture 8 Outlets of the two fuel pipes at Jentex tank farm

3.7.1.4 Fuel pipes (Source S3)

During the current site visit the outlets of two fuel pipes that are believed to be connected to a BFI onsite or/and to the runway were found at the Jentex tank farm located in the direct south-eastern vicinity of the site. According to the Jentex site representative the pipes were believed to be connected at the Jentex site to four large ASTs (capacity unknown) and possibly a pumping station that have now been removed. RPS attempted to trace the fuel pipes from the Jentex site to the BFI in the north-east of the Manston airfield but reported that they did not have the right equipment to do so.

Picture 9 AST believed to be associated to the FIDO operations

3.7.1.5 Waste oil tanks (Source S4)

Recent observations, Amec Foster Wheeler site walkover, 2017

Two waste oil tanks in bunds were found at the front (north) of the KIA jet support building. A strong hydrocarbon odour and staining on and in the bund were observed. There was also a waste oil container located on a concrete pad at the former aviation training centre in the south-eastern part of the site. Some staining/damp and a hydrocarbon odour were observed.

Picture 10 Waste oil tanks at the front of the Kia jet support

Picture 11 Staining on the bund of the waste oil tanks (Kia jet support)

Picture 12 Staining within the bund of the waste oil tanks (Kia jet support)

Picture 13 Waste oil container at the aviation training centre

Picture 14 Staining/damp observed on the concrete pad around the container

3.7.1.6 Jentex tank farm (Source S5)

The site is stepped into three levels with a road intercepting the different levels. It is partly covered with hardstanding, and partly with grassed areas. Some cracks were noticed in the asphalted areas and road. Five ASTs were observed during Amec Foster Wheeler site visit – four of them were located in the western part of the site, the other one in the central southern part. They were located in bunded areas. Staining and a slight hydrocarbon odour were noticed. There were two areas with demolished buildings. One where concrete foundations and potential locations of removed ASTs with staining were visible. The other one is located in a grassed area with some constructions debris remaining and made ground visible. The outlets of two fuel pipes were visible in that grassed area – see section 0. According to a Jentex site representative four large ASTs (but capacity unknown) and possibly a pumping station used to be at the locations of the demolished buildings. Two fuelling points for the trucks are located in the vicinity of the tanks with no leak but staining and a slight hydrocarbon odour noticed.

Picture 15 Two ASTs within a bunded area in the western part of the site (view towards east)

Picture 16 Two ASTs within a bunded area in the western part of the site (view towards south-east)

Picture 17 One AST and a fuelling point located in the southern part of the site (view towards south)

Picture 18 Fuelling point in the western part of the site (view towards east)

Picture 19 Area of demolished building with concrete foundations and potential locations of removed ASTs with staining (view towards north)

Picture 20 Area of demolished building with grass and made ground (view towards west)

Picture 21 Area of demolished building with grass and remaining construction debris (view towards southeast)

3.7.2 Firefighting

3.7.2.1 Use and storage of Pyrene runway foam (Source S6)

The Gibb report indicates a Pyrene foamer was used to cushion aircraft during emergency landings which operated between 1964 and 1980. The equipment was operated from mobile tankers which were held on standby adjacent to Hangar 3. The composition of this foam is understood to contain carbon tetrachloride[9]

No clear staining was observed along the runway during the February 2017 site visit and the area of Hangar could not be accessed and inspected.

3.7.2.2 Burning grounds (Source S7)

One small burning ground area was identified to the east of the fire station (Bldg. 869) with no drainage interceptor but on an area with a hardstanding cover in 1998.

This burning area was still present in the February 2017 visit but did not seem to be still in use. It comprises a pile of ashes partly contained in a heavily corroded caged trolley. It is located on an asphalted area but extends towards a grassed area. There is no bund.

Picture 22 Burning area located at the fire crash department

3.7.3 Maintenance activities

3.7.3.1 Motor Transport (MT) workshops (former and current) (Source S8)

During the Gibb site visit the former MT workshop had become the history club. The current MT workshop was in used for vehicle servicing & maintenance. Current and historical use of oils, petrol and lubricants were reported by Gibb Environmental[6]. Although good practices were observed to be in operation during the 1998 site visit, Gibb Environmental reported that there was a potential for historical bad practices and spills.

Neither workshop area could be accessed for inspection during the current site visit in February 2017. Both workshops area are located in areas covered with hardstanding. The former MT workshop is now part of the RAF Manston museum that was closed at the time of the visit. The current MT workshop belongs to and is operated by the MOD. Storage of tires and wooden pallets outside of the building along the fence was observed during the visit.

3.7.3.2 Storage of potentially hazardous materials at engineering workshops

Building 450 was reported by Gibb Environmental to be a storage for various organic and inorganic chemicals. The area was found clean during site Gibb's site visit in 1998. Hazardous materials were observed secured in cabinets, with warning labels present.

During the current site visit an engineering workshops, bldg. 450 and two buildings/shelters that did not seem in use were identified, as well as an active lorry haulage company with a truck park are located within the site near the western boundary. They could not be accessed for inspection. The engineering workshop and bldg. 450 are connected. A very corroded container with an unidentified bottle was observed at the back (north) of bldg. 450. Fly tipping and storage of waste, e.g. wooden pallets, barrels, were noticed in front of the shelters and at the lorry haulage company.

Picture 23 Engineering workshops connected to bldg. 450 (green building)

Picture 24 Corroded container at the back of bldg. 450

Picture 25 shelter with waste storage at the front

Picture 26 Active lorry haulage company with storage of tires and barrels

3.7.3.3 Cleaning of aircrafts / helicopters (Source S9)

Historical activities associated with Hanger 3 (Bldg. 253): the area was used to clean helicopters and store pyrene runway foam See. 3.7.2.1). In addition the KIA Jet Support building area was used to clean aircraft, and also to carry out aircraft and vehicle servicing.

During the current site visit in February 2017, the whole area of Hangar 3 was fenced and could not be accessed. The KIA Jet Support building and the aviation training centre buildings also could not be inspected.

3.7.4 Use and storage of de-icing chemicals (Source S10)

Significant quantities of de-icing chemicals were stored in the MT area. It was not known whether specific containment measures were in place.

3.7.5 Areas of Infill

Made ground (Source S11) is potentially present across part of the site as discussed in section 3.2. In addition infilled chalk pits (Source S12) are present on the site in filled in the early 1900s (see section 3.5).

3.7.6 Waste disposal areas

3.7.6.1 Waste storage areas (Source S13)

Two waste storage areas including one on soft ground were found at the KIA jet support building during the 2017 site visit. The waste storage area located north east of the KIA building comprised half empty or empty drums of white spirit, oil, some unlabelled and rotten barrels, as well as pieces of scrap. The waste storage area located at the back the KIA building to the south comprised different containers, a canister, some rotten drums, pieces of scrap, concrete blocks, tubing, blocks of tarmac, pieces of wooden pallets and plastic. Cracks were noticed in the hardstanding cover.

3.7.6.2 Potential materials disposed of at air-raid shelter (Source S14)

The Phase 1 study reports by Gibb indicate that a number of air-raid shelters may have been backfilled with other materials than foam concrete. Only one shelter was identified and located by Gibb. This was located in the vicinity of the Gilder School (Building (Bldg.) 904) and may have been used in the past to dispose of equipment such as old motor cycles and aircrafts.

From the site visit in 2017 the air raid shelter near the Glider School is no longer present to the east of the site. Only an asphalted area with a concrete border and an embankment are present.

3.7.6.3 Acid pits infilled with unknown materials (Source S15)

According to the onsite maintenance manager in 1998 and an historical plan dating from 1965, two excavated pits were used in the past to dispose of waste battery acids. The two pits were located near the History Club (Bldg. 91) and within the KIA car park (Bldg. 568) and have since been infilled with unknown material.

From the current visit, there is now a road and a pavement at the emplacement of the historical acid pit to the east of the site, near the KIA, car park mentioned in GIBB Environmental report. There is a reworked area covered with grass at the location of the historical acid pit at the former MT building (now the RAF Manston museum).

3.7.7 Sub-stations (Source S16)

Two onsite intake substations and 10 transformers were identified as potentially containing polychlorinated biphenyls (PCBs), but no visual evidence of leakage were noticed during the visit. The EWC did not hold any records of analysis.

During the February 2017 site walkover all the 12 substations and transformers identified by Gibb were inspected. None of these transformers and substations were noted to have staining indicating potential leakages.

Staining/damp was observed around a transformer that was not listed in Gibb Environmental report along the southwestern border of the site in an area that currently belongs to the MOD lies inside the current boundary.

3.7.8 Radiological sources

A report from the DERA Radiation Protection Services included within the Gibb report suggested that as with many RAF sites, radioactive materials, and particularly radium luminising material, may have been present in equipment buried at the site and may have been disposed of in waste pits or areas where ash was disposed of. Gibb report anecdotal evidence from the EWC may have been disposed of in the air-raid shelters, notably in the vicinity of the Glider Club (Bldg. 904) although there was no documentary evidence to support this.

3.7.9 Other historic activities identified by Gibb Environmental in 1998

3.7.9.1 Asbestos in buildings

The asbestos register reviewed by Gibb in 1998 identified twelve locations/products either containing or suspect of containing asbestos. The material was listed as being in good to fair condition.

3.7.9.2 Site drainage

Gibb indicated that no oil/fuel interceptors were found to be installed along the airfield drainage system, which was located along the outer lengths of the runway and flowing in an easterly direction. The system discharge is into Pegwell Bay although no discharge consent was held for the site.

A site drainage investigation was performed by RPS during the February 2017 site walkover.

3.7.10 Off-site

3.7.10.1 1996 Diesel spill (Source S17)

Gibb report[6] that a diesel spill occurred in August 1996 due to a leaking tank located to the north of the Domestic quarters of RAF Manston, approximately 500m outside of the site's current northern boundary. Gibb report that the tank was removed and visually impacted soils were excavated and disposed of off-site. However no laboratory analysis confirming the remediation were available.

The Gibb report refer to the four bunded tanks at bldgs. 129/1 (1 tank with volume 22800L) and 129/2 *(3 tanks with volume 17550L each) located outside of the current site boundary and is now a construction site where houses are being built. The construction site could not be entered for inspection.

Picture 27 Assumed location of bldgs. 129/1 and129/2 - offsite

3.7.10.2 Car garage and fuel stations (Source S18)

The petrol station that was located at Garage Drome car repairs at the direct north-western vicinity of the site is closed. It is understood that the tanks have been removed and the area remediated. From the 2017 visit, the garage is still operating as car repairs.

The car garage that was located at the direct eastern border, outside of the site is no longer present in 2017. The area is fenced. No tanks were noticed from outside of the area.

3.7.10.3 Historical landfills (Source S19)

Landfill sites, Alland Grange and Sunny Bank landfills, within 300m of the site, licensed to take inert wastes mixed with slow degradable and putrescible waste. Possibility that landfill gases and leachate may migrate from these sites. In addition the Envirocheck report indicates there is another landfill to the north on Manston Road. This was an inert landfill present from 1976 to 1987.

4. Generic Qualitative Risk Assessment

4.1 Conceptual - Model

The Conceptual - Model (C-M) and potential pollutant linkages are defined below based on the desk study review of publically available information collated in the previous sections. The C-M is carried out in line with CLR11 and is based on the proposed commercial land use. The C-M will provide an assessment of the site's potential contamination status and identify the presence of potentially significant contaminant linkages that require further consideration.

Potential contamination (Sources)

A review of the site's history and environmental setting has identified potential contaminant sources on the site and the surrounding area, as summarised below in Table 4.1. The list of contaminants has been established through a review of the relevant Department of Environment (DoE) Industry Profiles, in addition to Amec Foster Wheeler's experience of contaminated land assessment.

Table 4.1 Historical, Current and Future contaminant sources

No.	Source and Comment	Likely Contaminants	Location	Source to be considered further?
		On-site		
Fuel storage and use (S1)				
1	**On-site bulk fuel installations, gas oil tank and petrol station**	**Total petroleum hydrocarbons (TPH), aromatic hydrocarbons incl. benzene, toluene, ethylbenzene, xylenes (BTEX)**	**on-site**	**Yes - petrol station not operating. Not known whether potential associated USTs still present.**
2	Burning of petrol along the runway	**TPH, BTEX, polycyclic aromatic hydrocarbons (PAHs)**	**on-site**	**yes**
3	Fuel pipes	TPH, BTEX,	**o**n-site – location unknown**, potentially connected to BFI to the north east and/or to the runway** **o**ff-site – outlets found at Jentex tank farm	yes
4	Waste oil installations	**TPH, BTEX, PAHs, heavy metals**	**on-site – at KIA jet support building and at former aviation training centre**	**Yes -**
5	Jentex tank farm	**TPH, BTEX, PAHs**	**Off-site in direct southern vicinity of site**	**Yes – intrusive investigation carried out in 2015[10,11] found shallow soils contaminated with PAHs, TPH, lead and asbestos. No contamination was found to be extending to depth.**

Fire fighting				
6	Use and storage of Pyrene runway foam	**Tetrachloromethane**	**on-site**	**yes**
7	Burning ground area and fire fighting areas	**TPH, BTEX, PAHs, heavy metals, PFOS**	**on-site – fire crash department**	**yes – localised area on hardstanding, but no interceptor or bund**
Maintenance activities				
8	MT workshops (former and current)	**TPH, BTEX, PAHs, heavy metals, chlorinated solvents**	**on-site – former MT workshop is now the RAF Manston History museum**	**yes**
9	cleaning of aircrafts / helicopters	**TPH, BTEX, PAHs, heavy metals,**	**on-site – at KIA jet support building and at hangar 3**	**yes**
De-icing				
10	Use and storage of de-icing chemicals	**Glycols**	**on-site**	**yes**
Waste disposal and infill				
11	**Made Ground associated with former development**	**Inorganics including heavy metals, pH, PAHs and TPH**	**Potentially across the whole site[12]**	**yes**
		Asbestos	**Potentially across the whole site[12]**	**yes**
		Soil gases (methane and carbon dioxide)	**Potentially across the whole site[12]**	**yes**
12	Infilled chalk pits	**Soil gas**	**On-site and off-site**	**No – pits were small and potentially infilled in early 1900s so soil gas considered unlikely.**
		heavy metals, pH, PAHs, TPH and aromatic hydrocarbons incl. BTEX	**On-site**	**Yes**
		Asbestos	**On-site**	**Yes**
13	Waste storage areas	**TPH, solvents, emulsifiers, BTEX, phenols, PAHs, heavy metals, cyanides, asbestos**	**On-site – 2 at KIA jet support building**	**Yes - The waste storage area located north east of the KIA building comprised half empty or empty drums of white spirit, oil, some unlabelled and rotten barrels, scrap. The waste storage area located at the back the KIA building to the**

[12] Assumption based on maps, site use and site history.

				south comprised different containers, a canister, some rotten drums, pieces of scrap, concrete blocks, tubing, blocks of tarmac, pieces of wooden pallets and plastic. Cracks were noticed in the hardstanding cover
14	Potential materials disposed of at air-raid shelter	**cyanides, asbestos, heavy metals, radium**	**on-site**	**No. These are structures which may be been infilled (see made ground)**
15	Acid pits infilled with unknown materials	**Acids, TPH, BTEX, PAHs, heavy metals, cyanides, asbestos, radium**	**On-site – one assumed to be in front of RAF Manston History museum, one assumed to be east of passenger terminal in area where asphalted pavement and road**	**Yes**
Sub-stations				
16	2 intake substations and 10 transformers	**Polychlorinated Biphenyls (PCBs), TPH**	**On-site – across the site**	**Yes – as sub-station erected before 1986 (when PCB were banned). Staining/damp was observed around a transformer located along the southwestern border of the site.**
Off-site				
17	1996 diesel spill	**TPH, BTEX**	**off-site – bunded area north of domestic quarters of RAF Manston**	**no – 900 to 100 litres, spill contained and cleared. Visually contaminated soils were removed however no verification testing was carried out**[6]
18	Car garages and petrol stations	**TPH, PAHs, heavy metals**	**2 car garages Off-site at direct eastern and north-western vicinity**	**no – Garage to the east is no longer present and not known whether potential tanks still present and whether remediation carried out. It is understood that petrol station at garage to the north-west has been removed**

			and decommissioned, but garage still operating as motor repairs.
19	Off-site Landfills	**Soil Gas**	**Yes - buildings proposed within 250m of the landfill off-site structures**

Potential receptors and exposure pathways

The potential receptors and associated pathways that have been identified through this desk based assessment are shown in Table 4.2.

Table 4.2 Pathways and Receptors

Receptors	Potential pathways
Future site users (commercial users, personnel on-site, passengers)	Dermal contact, ingestion and inhalation of dusts, vapours, fibres and accumulated gases , radiation from potential radioactive contamination
Buildings and Services	Direct contact, ingress and accumulation of soil gas
Controlled Waters: Coastal water (Pegwell Bay and Sandwich Bay located 900m to the site)	Surface water runoff, baseflow migration
Controlled Waters: Principal Aquifer in bedrock	Leaching, migration

4.2 Exclusions from Risk Assessment

Redevelopment workers

The CM does not consider risks to construction / site maintenance workers on the basis that risks to workers will be dealt with under the Health and Safety at Work Act (1974) and regulations made under the act. Site-specific contamination data obtained from all site investigations should be included in the pre-construction information (requirement of Construction Design and management Regulations 2015) for the proposed works, to enable any contractors to address potential risk from contamination as necessary in their risk assessments and method statements. Moreover, as the exact details of the method adopted are not currently known, it is not considered appropriate to provide a wide ranging and speculative risk assessment for redevelopment workers.

The CM focusses on land contamination issues. Geotechnical constraints including sulphate and ammonia attack of concrete are not assessed as part of the assessment.

Unexploded Ordnance (UXO)

A Preliminary UXO Risk Assessment has been undertaken for the site which indicates a medium to high probability of UXO encounter on the site (probability rating of 4, on a scale up to 5). According to the Land Quality Assessment Phase One from GIBB Environmental, EOD clearance surveys were performed by the MOD at the site in the past, however grassed areas surrounding the runway, and notably two parcels located

south east of the runway, and hardstanding covered areas were usually not subject to a EOD search and clearance. As such a detailed UXO threat & risk assessment should be carried out prior to any intrusive works.

As the requirement for the additional assessment has already been confirmed, the potential risk for encountering UXO has been excluded from the risk assessment.

4.3 Preliminary risk assessment

In order for land contamination risk to be realised, a 'contaminant linkage' must exist[13]. A contaminant linkage requires the presence of:

- Source of contamination;
- Receptor capable of being harmed; and
- Pathway capable of exposing a receptor to the contaminant.

A preliminary risk assessment has been undertaken for these potential source-pathway-receptor linkages to identify potentially unacceptable risks on a qualitative basis. Risk is therefore based on a consideration of both:

- The likelihood of an event (probability – takes into account both the presence of the hazard and receptor and the integrity of the pathway); and
- The severity of the potential consequence (takes into account both the potential severity of the hazard and the sensitivity of the receptor).

Further information on the risk assessment methodology used is given in Appendix C. The method of dealing with identified risks and the level of significance of those risks will be a function of site use. The risk assessment is based on future proposed land use (commercial).

[13] Environment Agency (2004) Model Procedures for the Management of Land Contamination – *Contaminated Land Report 11*

Table 4.3 Preliminary Risk Assessment – Risks to future site users and environment from current/historic sources

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
1	**On-site bulk fuel installations, gas oil tank and petrol station**		Two BFIs located within the current site boundary. Only a circular area covered with made ground was visible at the BFI location of bldg. 112 to the west during the site walkover. No evidence of any buildings or tanks could be found. It is likely that the installation has been dismantled however it is not known whether the USTs have been removed and if any remediation works have been carried out. Over ground pipes and pumps were present at the BFI location of bldg. 819 to the east. It is not known whether the USTs are still present and if any remediation works have been carried out. Military activities ended in 1999 and the airport ceased operating in 2014. Gas oil tank located at the back of the KIA jet support building, within a bund – could not be inspected. Fuel station and potentially associated USTs at aviation training centre.				
		Total petroleum hydrocarbons (TPH), aromatic hydrocarbons incl. benzene, toluene, ethylbenzene, xylenes (BTEX)	Future site users (commercial users, personnel and passengers)	Direct contact, ingestion of reworked ground	Health Hazard [Medium]	Low Likelihood Potential for exposure to shallow soils in non-paved areas. BFI located at bldg. 819 to the east is in a fenced landscaped area. Commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants. Most recent development plans (dated 11/05/2017) suggest that there will be commercial buildings at the BFI location of bldg. 819.	Moderate/Low
			Future site users (commercial users, personnel and passengers)	Ingress to buildings and accumulation, inhalation of gas	Health hazard [Medium]	Low likelihood It is not known whether the USTs are still present and if any remediation works have been carried out. Most recent development plans (dated 11/05/2017) suggest that there will be commercial buildings at the BFI location of bldg. 819.	Moderate/Low
			Building	Buildings and services	Ingress to buildings and accumulation [Medium]	Low likelihood It is not known whether the USTs are still present and if any remediation works have been carried out. Most recent development plans (dated 11/05/2017) suggest that there will be commercial buildings at the BFI location of bldg. 819.	Moderate/Low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast.	Moderate
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Former aviation training centre is located in SPZ2. Both BFIs are located in SPZ3. Four abstractions for groundwater are present within 1km and the site is located in a source protection zone.	Moderate
2	**Burning of petrol along the runway**	**TPH, BTEX, polycyclic aromatic hydrocarbons (PAHs)**	Future site users (commercial users, personnel and passengers)	Direct contact, ingestion of reworked ground	Health Hazard [Medium]	Unlikely Potential for exposure to shallow soils in non-paved areas. However future development plan suggests that the central part of the site, located between the runway and the Manston road, will be covered with buildings and hardstanding.	Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast	Moderate
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Runway is located in SPZ2. Four abstractions for groundwater are present within 1km and the site is located in a source protection zone.	Moderate

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
3	**Fuel pipes**	**TPH, BTEX**	Onsite location unknown, potentially connected to BFI to the north east and/or to the runway				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion of reworked ground	Health Hazard [Medium]	Low likelihood Potential for exposure to shallow soils in non-paved areas. Future development plan suggests that most of the central part of the site, located between the runway and the Manston road, will be covered with buildings and hardstanding. BFI located at bldg. 819 to the east is in a fenced landscaped area and most recent development plans (dated 11/05/2017) suggest that there will be commercial buildings at the BFI location of bldg. 819. Commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants.	Moderate/Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast	Moderate
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Area located between the runway and the Manston road is located in SPZ1 to 3. Area located north and east of Manston road is located in SPZ3. Four abstractions for groundwater are present within 1km and the site is located in a source protection zone.	Moderate

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
4	**Waste oil tanks**	TPH, BTEX, PAHs, heavy metals	on-site – at KIA jet support building and at former aviation training centre				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion, inhalation	Health Hazard [Medium]	Low likelihood Future development plan suggests that former aviation training centre will remain a passenger facility. Most recent development plans (dated 11/05/2017) suggest that there will be a building and areas with hardstanding at the location of the KIA jet support building. Both sites are mainly covered with hardstanding limiting the potential for the users to come into direct contact with any potential contaminants in soil. However there is a potential for inhalation pathway.	Moderate/low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast	Moderate
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Former aviation training centre is located in SPZ2. KIA jet support building and Hangar 3 are in SPZ3.	Moderate
5	**Jentex tank farm**	**Mobile contaminants with volatiles (hydrocarbons, solvents)**	Located in SPZ1 near adit. Intrusive investigation carried out in 2015 [1011 11] found shallow soils contaminated with PAHs, TPH, lead and asbestos. No contamination was found to be extending to depth. BUT Groundwater not encountered during investigations and investigation under tanks has not been completed.				

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
			Future site users (commercial users, personnel and passengers)	Leaks, spills on to land, migration within groundwater onto site and accumulation and inhalation of vapours	Health hazard, [medium]	Unlikely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. However groundwater flow anticipated to be to the south-east and so site up gradient from any potential migration.	Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast	Moderate
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	High likelihood Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Groundwater not encountered during site investigations. Four abstractions for groundwater are present within 1km and the area is located in a source protection zone.	High
6	**Use and storage of Pyrene runway foam**	**Tetrachloromethane**	Used along runway and stored at Hangar 3 west of site.				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion of reworked ground	Health Hazard [Medium]	Low Likelihood Future development plan suggest that existing buildings within area of Hangar 3 will be demolished to allow construction of landside and airside infrastructures with some hardstanding and landscaped areas. Commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants..	Moderate/Low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast	Moderate
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Chlorinated solvents have high mobility. Hangar 3 is located in SPZ3. The runway is located in SPZ2.	Moderate
7	**Burning ground area and fire fighting areas**	**TPH, BTEX, PAHs, heavy metals, PFOS**	Burning area localised at the fire crash department on hardstanding cover, but with no interceptor or bund				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion, inhalation	Health Hazard [Medium]	Low Likelihood Potential for exposure to shallow soils in non-paved areas. However future development plan suggests that airside infrastructures will be built in the area of the fire crash department with the fire crash department remaining.	Moderate/Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Localised area on hardstanding. Long-chain TPH and PAHs have low mobility.	Moderate/Low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Low likelihood Localised area on hardstanding. Long-chain TPH and PAHs have low mobility. Area located in SPZ2 and SPZ3.	Moderate/low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
8	**MT workshops (former and current)**	**TPH, BTEX, PAHs, heavy metals, chlorinated solvents**	Former MT workshop located at RAF Manston History museum. Current MT workshop located in a fenced area next to Hangar 3 – west of the site. Both are located in areas covered with hardstanding.				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion, inhalation	Health Hazard [Medium]	Low Likelihood Future development plan suggests that existing buildings within the area of the current workshop will be demolished to allow construction of landside and airside infrastructures with some hardstanding and landscaped areas. Commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants.	Moderate/Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast However areas covered with hardstanding.	Moderate/Low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Low likelihood Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. However areas covered with hardstanding.	Moderate/low
9	**Cleaning of aircrafts / helicopters**	TPH, BTEX, PAHs, heavy metals,	Cleaning at KIA jet support building, former aviation centre and Hangar 3, Area is on hardstanding with drainage.				

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion, inhalation	Health Hazard [Medium]	Low likelihood Future development plan suggests that former aviation training centre will remain a passenger facility. Most recent development plans (dated 11/05/2017) suggest that there will be a building and areas with hardstanding at the location of the KIA jet support building. Both sites are mainly covered with hardstanding limiting the potential for the users to come into direct contact with any potential contaminants in soil. However there is a potential for inhalation pathway Existing buildings within the area of the Hangar 3 will be demolished to allow construction of landside and airside infrastructures with some hardstanding and landscaped areas. Commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants..	Moderate/low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast	Moderate/low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Former aviation training centre is located in SPZ2. KIA jet support building and Hangar 3 are in SPZ3.	Moderate/low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
10	**Use and storage of de-icing chemicals**	**Glycols**	Future site users (commercial users, personnel and passengers)	Direct contact, ingestion, inhalation	Health Hazard [Mild]	Unlikely Potential for exposure to shallow soils in non-paved areas. However commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants and glycols have a high solubility and degradation is very likely.	Very low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast However glycols have a high solubility and degradation is very likely.	low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Mild]	Low likelihood Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. However glycols have a high solubility and and degradation is very likely.	Low
11	**On-site Made Ground associated with former development**	**Inorganics including heavy metals, pH, PAHs and TPH**	Future site users (commercial users, personnel and passengers)	Direct contact, inhalation or ingestion of reworked ground.	Health Hazard [Medium]	Low Likelihood Made Ground is recorded in the centre of the site on the BGS logs, however likely to be present in limited quantities associated with past development. Most recent development plans (dated 11/05/2017) suggest that the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces. However commercial users are typically limited to contact with landscaped areas,	Moderate/Low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
						decreasing the potential for the user to come into contact with any potential contaminants.	
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Made Ground is recorded in the centre of the site on the BGS logs, however likely to be present in limited quantities associated with past development. Leaching potential via baseflow is unknown, however, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast. However metals, PAHs and long-chain hydrocarbons generally have low mobility in soil and lighter organics are likely to have degraded.	Moderate/Low
		Asbestos	Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Made Ground is recorded in the centre of the site on the BGS logs, however likely to be present in limited quantities associated with past development. Future development plan suggests that the central part of the site, located between the runway and the Manston road, will be covered with buildings and hardstanding and that green spaces would only remain in the northern part of the site, which would reduce the potential for migration to occur to underlying Principal Aquifer. Four abstractions for groundwater are present within 1km of the site and the site is in source protection zone. However metals, PAHs and long-chain	Moderate

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
						hydrocarbons generally have low mobility in soil limiting the potential.	
			Future site users (commercial users, personnel and passengers)	Inhalation of fibres	Asbestosis [Severe]	Unlikely Made Ground is recorded in the centre, east and north of the site on the BGS logs, however likely to be present in limited quantities across the site associated with past development. No analysis of Made Ground is known to have been undertaken. Potential for exposure to shallow soils in non-paved areas. Most recent development plans (dated 11/05/2017) suggest that most of the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces. However commercial users are typically limited in their contact with landscaped areas, and hence have limited potential to disturb and mobilise asbestos.	Moderate/low
		Methane and carbon dioxide ground gas	Future site users (commercial users, personnel and passengers)	Ingress to buildings and accumulation, inhalation of gas	Health hazard, explosion, asphyxiate [Severe]	Low Likelihood Made Ground is recorded in the centre of the site on the BGS logs, however likely to be present in limited quantities across the site associated with past development. Potential for soil gas generation from Made Ground is unknown but likely to be limited as significant deposits are not anticipated (excluding infilled chalk pit areas). No gas monitoring data available for the site. Most recent development plans (dated 11/05//2017) suggest that most of the	Moderate

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
						central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces.	
		Methane and carbon dioxide ground gas	Buildings and services	Ingress to buildings and accumulation	Explosion [Severe]	Low Likelihood Made Ground is recorded in the centre of the site on the BGS logs, however likely to be present in limited quantities across the site associated with past development. Potential for soil gas generation from Made Ground is unknown but likely to be limited as significant deposits are not anticipated (excluding infilled chalk pit areas). No gas monitoring data is available for the site.	Moderate
12	**On-site infilled chalk pits**	**Inorganics including heavy metals, pH, PAHs, TPH and aromatic hydrocarbons incl. BTEX**	Pits were small and potentially infilled in early 1900s so potential for soil gas considered unlikely				
			Future site users (commercial users: personnel and passengers)	Direct contact, inhalation or ingestion of reworked ground	Health Hazard [Medium]]	Low Likelihood Potential for exposure to shallow soils in non-paved areas. Most recent development plans (dated 11/05/2017) suggest that most of the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces. However commercial users are typically limited to contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants.	Moderate/low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Leaching potential via baseflow is unknown. However, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast.	Moderate/low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Four abstractions for groundwater are present within 1km and the site is located in a source protection zone. Most recent development plans (dated 11/05/2017) suggest that most of the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces. That would decrease potential for migration to occur to underlying Principal Aquifer. Four abstractions for groundwater are present within 1km of the site and the site is in source protection zone. However metals, PAHs and long-chain hydrocarbons generally have low mobility in soil limiting the potential.	Moderate/low
		Asbestos	Future site users (commercial users, personnel and passengers)	Inhalation of fibres	Asbestosis [Severe]	Unlikely Potential for exposure to shallow soils in non-paved areas. Most recent development plans (dated 11/05/2017) suggest that most of the central part of the site, located between the runway and the Manston road, and the part located north of the Manston road, will be covered with buildings and hardstanding with some remaining green spaces. However commercial users are typically	Moderate/low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
						limited in their contact with landscaped areas, and hence have limited potential to disturb and mobilise asbestos.	
13	**Waste storage areas**	TPH, chlorinated solvents, emulsifiers, BTEX, phenols, PAHs, heavy metals, cyanides, asbestos	The waste storage area located north east of the KIA building comprised half empty or empty drums of white spirit, oil, some unlabelled and rotten barrels, scrap. The waste storage area located at the back the KIA building to the south comprised different containers, a canister, some rotten drums, pieces of scrap, concrete blocks, tubing, blocks of tarmac, pieces of wooden pallets and plastic. Cracks were noticed in the hardstanding cover				
			Future site users (commercial users, personnel and passengers)	Direct contact, inhalation or ingestion of reworked ground	Health Hazard [Medium]	Low likelihood Most recent development plans (dated 11/05//2017) suggest that there will be a building and areas with hardstanding at the location of the KIA jet support building. One of the waste storage areas is mainly covered with hardstanding, the other one is within a fenced perimeter, limiting the potential for the users to come into direct contact with any potential contaminants in soil.	Moderate/low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Likely Leaching potential via baseflow is unknown, however, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast. .One of the waste storage areas is covered with hardstanding but cracks were noticed.	Moderate

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Likely There is potential for migration to occur to underlying Principal Aquifer. One of the waste storage areas is covered with hardstanding but cracks were noticed. The KIA jet support building is located in SPZ3.	Moderate
15	**Acid pits infilled with unknown materials**	**Acids, TPH, BTEX, PAHs, heavy metals, cyanides, asbestos, radium**	one assumed to have been be in front of RAF Manston History in a landscaped area, one assumed to be east of passenger terminal where there are asphalted pavement and road				
			Future site users (commercial users, personnel and passengers)	Direct contact, ingestion, inhalation	Health Hazard [Medium]	Unlikely Commercial users have typically limited contact with landscaped areas, decreasing the potential for the user to come into contact with any potential contaminants	Low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Leaching potential via baseflow is unknown, however, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast. Chalk likely to act as buffer for acid	Moderate/Low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Low Likelihood Potential for leaching is unknown and migration could have occurred to underlying Principal Aquifer within the silts. Both sites are located in SPZ3. Chalk likely to act as buffer for acid	Moderate/low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
16	**On-site sub-stations**	**Polychlorinated Biphenyls (PCBs), TPH**	None of the transformers and substations were found to be leaking during the site walkover. Staining/damp was observed around a transformer that belongs to the MOD and is located along the southwestern border of the site.				
			Future site users (commercial users, personnel and passengers)	Direct contact, inhalation or ingestion of reworked ground	Health Hazard [Medium]	Low Likelihood Future development plan suggests that green spaces would remain in the area were staining/damp was observed, however commercial users are typically limited to contact with landscaped areas, decreasing the potential for the user to come into contact with the potential contaminant.	Moderate/low
			Controlled Waters: Coastal Water	Leaching, baseflow migration	Coastal Water Pollution [Medium]	Low likelihood Leaching potential via baseflow is unknown, however, it is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the coast. However PCBs generally have low aqueous mobility in soil limiting the potential ad spill likely to be localised	Moderate/Low
			Controlled Waters: Principal Aquifer	Leaching, migration	Groundwater Pollution [Medium]	Low Likelihood There is potential for migration to occur to underlying Principal Aquifer. Four abstractions for groundwater are present within 1km of the site and the site is in source protection zone. However PCBs generally have low aqueous mobility in soil limiting the potential ad spill likely to be localised	Moderate/low

No.	Potential Source	Potential Pollutant	Potential Receptors	Potential Pathways to Receptors	Associated Hazard [severity]	Likelihood of Occurrence	Risk / Significance
19	**Off-site Landfills**	Soil Gas	Most recent development plans (dated 27/02/2017) suggest that there will be commercial buildings within 250m of the landfill off-site structure located to the north west. That landfill received inert waste until 31st December 1987. According to the EA website the waste received was waste that remains largely unaltered once buried such as glass, concrete, bricks, tiles, soil and stones[14].				
			Future site users (commercial users, personnel and passengers)	Ingress to buildings and accumulation, inhalation of gas	Health hazard, explosion, asphyxiate [Severe]	Unlikely The last waste input was 30 years ago and the type of waste has a low potential to generate gas.	Moderate/Low
			Buildings and services	Ingress to buildings and accumulation	Explosion [Severe]	Unlikely The last waste input was 30 years ago and the type of waste has a low potential to generate gas.	Moderate/Low

[14]http://maps.environment-agency.gov.uk/wiyby/queryController?topic=waste&ep=2ndtierquery&lang=_e&layerGroups=2&x=633965.5005&y=167368.25&extraClause=HLD_REFERENCE~'EAHLD19392'&textonly=off&latestValue=&latestField=

5. Geotechnical Assessment

A review of the available information from the Envirocheck report (Appendix C) has been undertaken to develop the Geotechnical Risk Register (Presented in Appendix D). The Geotechnical Risk Register highlights the key geotechnical considerations with regards to the proposed development of the site. A summary of the key considerations are is presented in the following sections.

Geological considerations

- The Envirocheck data indicates that eight historical boreholes are located on site. A further twenty two boreholes are located within 250 m of the site boundary. Nine of the boreholes in the surrounding 250 m of the site boundary are classified by the BGS and are not available for review.
- The superficial deposits located within the site boundary are located in the northern area of the site. Head 1 Deposits are located in the northern and eastern areas of the site and in the north west corner of the site consisting of clay and silt. Head 2 Deposits consisting of clay and silt are located in the north west and north east corner of the site.
- The solid geology shown to underlie the site is the Margate Chalk Member consisting of marl-free white chalk with no marl content and occasional flint bands.
- The borehole located along the southern boundary of the site records the presence of Chalk to a depth of approximately 54 m bgl. No superficial deposits are recorded within the borehole.
- Four Trial Pits located in the centre of the site record the presence of topsoil to a depth of approximately 0.10 m bgl. The topsoil is underlain by fill (consisting of cinders, chalk, building rubble to a maximum depth of approximately 0.30 m bgl. The fill is underlain by silty CLAY (Head deposits) to a depth of approximately 1.20 m bgl. Chalk is shown to underlie the Head deposits to a proven depth of 2.30 m bgl.
- The exploratory hole locations in the northern area of the site record the presence Made Ground (consisting of brick and rubble fill and ash) which is underlain by Head Deposits consisting of sandy CLAY to a maximum depth of 0.60 m bgl. The Head Deposits are underlain by the Chalk and is proven to a maximum depth of 2.10 m bgl.
- Two further boreholes along the northern boundary (TR36NW113 and TR36NW114) of the site record the presence of topsoil to a maximum depth of 0.20 m bgl. The topsoil is underlain by Head deposits consisting of sandy CLAY and are proven to a depth of 1.70 m bgl. The Head Deposits are underlain by remoulded and weathered Chalk, proven to a depth of 2.40 m bgl.
- The boreholes in the eastern area of the site confirm the presence of topsoil to a maximum depth of 0.10 m bgl that is underlain by Head Deposits to a maximum depth of 2.10 m bgl. The Head Deposits are again underlain by the Chalk bedrock, proven to a maximum depth of 2.70 m bgl.
- Areas of Made Ground are present and are recorded within the boreholes located across the majority of the site and are likely to be associated with the development of the airfield. No Made Ground is recorded within the eastern area or the northern edge of the site.

Running sands

- The site is detailed within the Envirocheck Report to have no hazard relating to Running Sands. As no sand is recorded to underlie the site is highly unlikely that there will be any possibility of running sand problems.

Compressible Ground Stability

- The site is detailed by the Envirocheck Report to have no hazard relating to compressible ground stability problems.

- Head Deposits located in the northern areas of the site pose a potential compressible ground stability hazard.

Collapsible Deposits

- A Moderate to Very Low risk of collapsible deposit hazards is detailed by the Envirocheck Report to be located across the site. Given the nature of the chalk underlying the entirety of the site, a moderate hazard potential for collapsible deposits is likely across the majority of the site.

Shrink Swell Clays

- The site is classified as having a low to no hazard potential for Shrink Swell Clays located across the site by the Envirocheck Report.
- Ground conditions in these sections are predominantly low plasticity. Near surface ground conditions are indicated to be predominately granular in nature and are not susceptible to shrinkage and swelling.

Ground Dissolution for Soluble Rocks

- There is a High risk of Ground Dissolution for Soluble Rocks across the site. A high risk is likely associated with the underlying chalk bedrock across the site.

Landslide Hazards

- The Envirocheck Report identifies a very low to no hazard potential of landslide hazards across the site. Existing slope instability problems are unlikely to be present and no special actions would be required to avoid problems due to landslides.
- Significant risks may be present associated with constructed slopes in superficial head deposits on the site. Movement of materials downslope due to landslides can damage buildings and infrastructure through loss of support.

Mining Hazards

- Two shafts relating to previous mining activity are recorded by the Envirocheck Report to be located within the site boundary. Both are recorded to be related to the underlying chalk as a commodity.
- Chalk pits located in the surrounding area of the site within the historical mapping provided within the Envirocheck Report.
- A vertical shaft with associated chambers at the base is listed as being located in the western area of the site.
- A further Adit Entry to a Pillar and Stall Chalk Mine is located in the eastern area of the site.

Solution Features

- Solution features are a high risk across the site. Solution features are a common phenomenon with areas of chalk and are formed through dissolution of the chalk as a result of chemical weathering due to rainfall and can result in sink holes appearing at ground level

Tree hazards

- A number of mature trees are present along the road edges running through both routes.
- Trees require careful considerations during design and can affect the drying and wetting of soil.

5.1 Development constraints

The following geotechnical development constraints have been identified for the site:

- Made Ground extending to depths of up to 0.30 m bgl has been identified within the site boundary overlying the natural soils. The Made Ground is not considered to be a suitable founding stratum and should be excavated prior to any construction or loading across the site.
- A high risk of ground dissolution for soluble rocks and a moderate risk of collapsible deposits have been identified across the site associated with the underlying chalk.
- A vertical shaft is recorded within the western area of the site and an adit entry in the eastern area of the site that would require further information to be obtained to determine the extent of mining activity across the site.
- There is a risk of solution features across the site associated with the underlying chalk that require further investigation to determine the potential impact on any construction work or loading across the site.
- The identification and location of services has not been undertaken as part of this desk study and therefore the presence of services should be considered prior to any ground investigation and construction works. Appropriate measures should be taken to avoid and protect the existing services as necessary.
- The site is within an area with medium to high potential for encountering UXO. A detailed UXO threat and risk assessment is required for the site.
- Potential for infilled chalk pits.

6. Conclusions and Recommendations

6.1 Conclusions

Contamination

Historically the site was used extensively as a military airbase and more recently a commercial airport. A number of potential sources of contamination are associated with this past use.

Ground conditions below the site are anticipated to comprise Made Ground, associated with the former development, overlying superficial deposits of clay, silt and sand and solid deposits of Chalk. This Chalk is of High sensitivity as there are at least four groundwater abstractions in the vicinity of the site, the nearest being the Lord of the Manor abstraction. It is anticipated that if the Lord of the Manor abstraction is in use, it would likely capture much of the groundwater. If it is not in use, the adit system would provide a potentially fast pathway to the Pegwell Bay on the coast.

The information relating to site and ground conditions is from published sources, a Land Quality assessment report for the site and two reports relating to ground investigations that were performed at the direct south-eastern vicinity of the site were reviewed as part of this Phase 1 study. A site walkover was undertaken in February 2017 and generally confirmed the findings of the desk studies. The initial CM has identified a number of potential contaminant linkages for receptors including current future site users, controlled waters (aquifer and coastal water features) and property. The identified potential contaminant linkages are the bulk fuel installations (BFIs), the onsite petrol station at the aviation training centre, and the gas oil tank located at the KIA jet support building, the burning of petrol along the runway, fuel pipes potentially connected to the BFI to the north east and/or to the runway, the waste oil tanks at the KIA jet support building and the aviation training centre, the Jentex tank farm, the use and storage of Pyrene runway foam, the burning ground area, the Motor Transport (MT) workshops (former and current), the cleaning of aircrafts / helicopters, the use and storage of de-icing chemicals, the Made Ground associated with the former development, the infilled chalk pits, the waste storage areas, the acid pits infilled with unknown materials, and the sub-stations.

The risk rating of the potential linkages range from low to high. The highest risk is associated with risks to groundwater from the Jentex fuel farm which overlies the groundwater Source Protection Zone 1.

Geotechnical

Limited data is provided across the site with no previous ground investigation provided for review as part of this desk study. Made Ground has been identified within the southern area of the site and should be delineated as part of a ground investigation. There is limited information on the strength of the bedrock. A ground investigation with appropriate sampling and subsequent laboratory testing will provide a more detailed assessment of ground and groundwater conditions across the site. This will allow an assessment of any ground dissolution, collapsible ground stability hazards and solution features located across the site associated with the chalk bedrock. There is a potential for infilled chalk pits within the site boundary and within the surrounding area of the site.

In addition, the presence of existing services may pose some access constraints, with a requirement for measures to avoid or protect them. As no site walkover has been conducted by Amec Foster Wheeler and as such the data presented within the Envirocheck Report cannot be proven. It is recommended that a site walkover is conducted to confirm the findings of this desk study and the Envirocheck Report, as well as provide information for the ground investigation, such as access availability.

6.2 Recommendations

The desk based assessment has identified a number of potential geo-environmental constraints associated with the proposed redevelopment / reopening of the airport. To gain a more detailed understanding of these constraints, further assessment is required.

Due to the sensitivity of the groundwater we understand there is a desire from the water company operating the abstractions to avoid installation of groundwater wells at the site. It is therefore appropriate that the intrusive investigation takes a stages approach. In the first instance investigating the shallow soil using trial pits and window samples to determine if there is evidence of contamination. This would then determine the need for and scope of any direct investigation of the groundwater while minimising disturbance of the aquifer highly sensitive to turbidity.

Whilst geotechnical issues are not a material planning consideration, geotechnical data will be required at a later stage to inform the detailed design of the proposed development. Adopting a combined geotechnical approach at the outset, making use of ground investigation undertaken to support planning, to obtain initial geotechnical data, would avoid duplication and present a saving in terms of cost and programme. The combined approach would also assist in highlighting any ground abnormals, although it is acknowledged that more detailed geotechnical assessment may be required once the form and layout of the proposed development is confirmed.

In order to provide a focused baseline of the sites ground and groundwater conditions the following scope of ground investigation is recommended. Note the ground investigation scope may need to be agreed with the local authority.

- Mechanically excavated trial pits and / or small diameter boreholes (window sample holes) across the site to determine the near surface deposits for potential contamination and geotechnical properties.
- Cable percussion (possibly with follow-on rotary drilling) to determine deeper soil and rock deposits.
- Collection of soil and groundwater samples.
- In-situ testing in trial pits and boreholes during excavation / drilling.
- Installation of groundwater and ground gas monitoring wells for subsequent monitoring and sampling.
- Laboratory analysis for potential contamination.
- Laboratory testing for geotechnical properties.
- Interpretative reporting.

Geotechnical data would be obtained as part of the ground investigation and this would enable detailed design for the proposed future site use. Boreholes and trial pits will confirm the underlying ground and groundwater conditions across the site where no previously existing data exists. A detailed ground investigation can be produced upon receipt of the development details to allow the development areas to be targeted with the appropriate techniques. A ground investigation for geotechnical purposes may include the following scope of works:

- Rotary drilled boreholes;
- Trial pits to provide assessment of shallow ground and groundwater conditions;
- Collection of soil samples.
- Laboratory testing, likely to include:
  - Moisture content;
  - Atterberg Limits;
  - Particle size distribution;
  - pH and sulphate SOIL (2:1 water/soil extract) in accordance with SD-1;
  - pH and sulphate WATER (2:1 water/soil extract) in accordance with SD-1;

- Undrained shear strength of single 100 mm diameter specimen in triaxial compression with multistage loading and without measurement of pore pressure;
- One-dimensional consolidation properties, test period 5 days;
- Rock Point Load Testing; and
- Unconfined Compressive Strength Testing.

Figures 1.1 to 1.4 Potential Contamination Sources

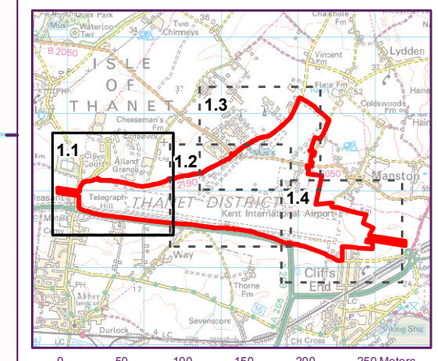
631000
631500
632000
166500
166000
165500
N
Cottages
Cleve
urt Farm
Minster Road
Isle of Thanet
Alland
Grange
Rose Far
S16
B2190
Spitf
Mount
Pleasant
Telegraph Hill
Hengist Way
A299
Street
The Mil

Key

Application boundary

Potential contamination sources

S16 Source 16 - Intake substations and 10 transformers



0 50 100 150 200 250 Meters

Scale at A3: 1:5,000

Client

RIVEROAK INVESTMENT CORP., LLC

Manston Airport DCO EIA
Phase 1 Geoenvironmental Desk Study

amec foster wheeler

Figure 1.1
Potential contamination sources

March 2017 38199-Lon029.mxd capad

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632500
633000
633500
166500
166000
165500
N
Holmecroft
Farm
Way
S1.5
S15
S8
S16
S10
S8
S9
S6
S1.4
S16
S12
S9
S1.
S16
S1.3
S7
S16
S15
S2
S16
S16
Mill
se
Thorne
S1
Key
Application boundary
Potential contamination sources
S1.1 - S1.7 Source 1.1-1.7 - Bulk fuel installations
S2 Source 2 - Burning of petrol along the runway
S6 Source 6 - Use and storage of Pyrene runway foam
S7 Source 7 - Burning ground area and firefighting activities
S8 Source 8 - MT workshops (former and current)
S9 Source 9 - Cleaning of aircrafts / helicopters
S10 Source 10 - Use and storage of de-icing chemicals
S12 Source 12 - Infilled chalk pits
S15 Source 15 - Acid pits infilled with unknown materials
S16 Source 16 - Intake substations and 10 transformers
ISLE OF THANET
THANET DISTRICT
Kent International Airport
Manston
Ramsgate
Margate
Broadstairs
Cliffs End
Minster
Sevenscore
1.1
1.2
1.3
1.4
0 50 100 150 200 250 Meters
Scale at A3: 1:5,000
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Figure 1.2
Potential contamination sources
March 2017
38199-Lon029.mxd capad

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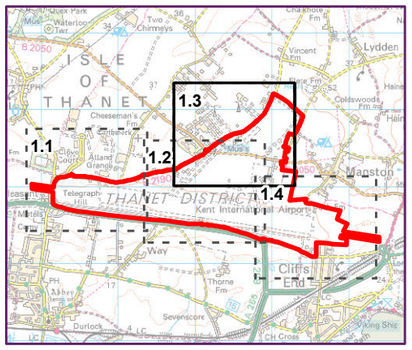
633000
633500
634000
167000
166500
N
Queendown Farm Cottage
The Coach Ho
Pouces Nursery
Holmecroft
Kent International Airport
B2
S19
S16
S1.1
S1.5
S15
S8
S16
S1.2
S11
S11
S15
S16
S13
S16
S16
S10
S8
S9
S6
S12
S1.4
S13
S4
S9

Key

Application boundary

Potential contamination sources

- S1.1 - S1.7 Source 1.1-1.7 - Bulk fuel installations
- S4 Source 4 - Waste oil tanks
- S6 Source 6 - Use and storage of Pyrene runway foam
- S8 Source 8 - MT workshops (former and current)
- S9 Source 9 - Cleaning of aircrafts / helicopters
- S10 Source 10 - Use and storage of de-icing chemicals
- S11 Source 11 - Made ground associated with former development
- S12 Source 12 - Infilled chalk pits
- S13 Source 13 - Waste storage areas
- S15 Source 15 - Acid pits infilled with unknown materials
- S16 Source 16 - Intake substations and 10 transformers
- S19 Source 19 - Off-site Landfills



0 50 100 150 200 250 Meters

Scale at A3: 1:5,000

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Figure 1.3
Potential contamination sources

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634000
634500
635000
166000
165500
165000
Airport
Manston
Canterbury Road West
Foads Hl
S13
S4
S1.6
S15
S1.7
S9
S16
S12
S3
S5
N
© Crown copyright and database rights [2017] Ordnance Survey 0100031673

Key

Application boundary

Potential contamination sources

- S1.1 - S1.7 Source 1.1-1.7 - Bulk fuel installations
- S2 Source 2 - Burning of petrol along the runway
- S3 Source 3 - Fuel pipes
- S4 Source 4 - Waste oil tanks
- S5 Source 5 - Jentex tank farm
- S9 Source 9 - Cleaning of aircrafts / helicopters
- S12 Source 12 - Infilled chalk pits
- S13 Source 13 - Waste storage areas
- S15 Source 15 - Acid pits infilled with unknown materials
- S16 Source 16 - Intake substations and 10 transformers

Scale at A3: 1:5,000

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Phase 1 Geoenvironmental Desk Study

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Figure 1.4
Potential contamination sources

March 2017 38199-Lon029.mxd capad

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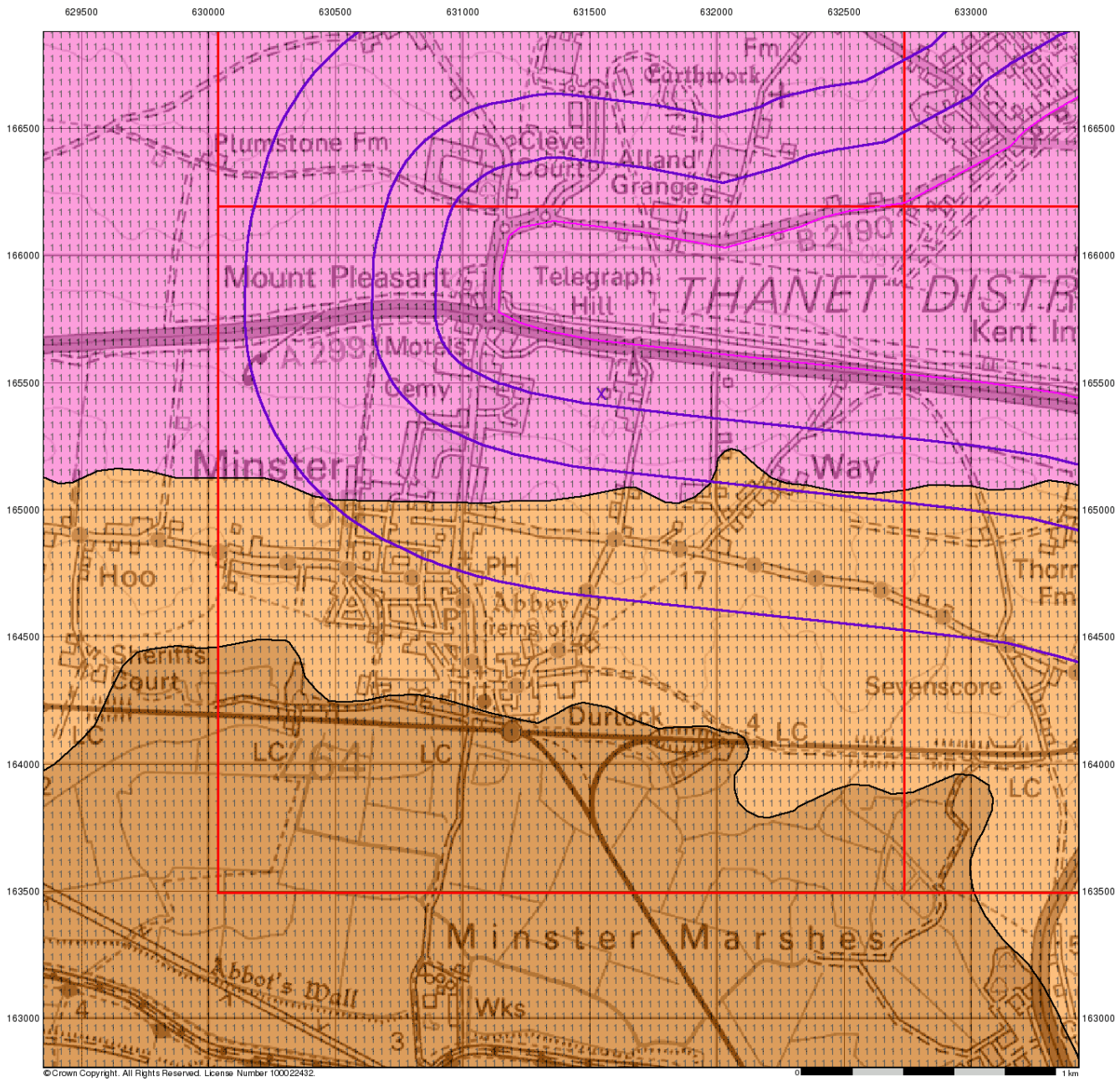
Appendix A
Envirocheck report



Groundwater Vulnerability

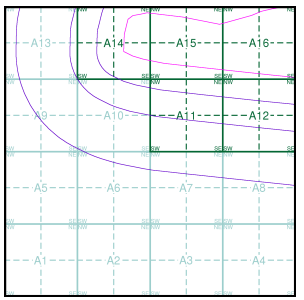
General

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

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice A



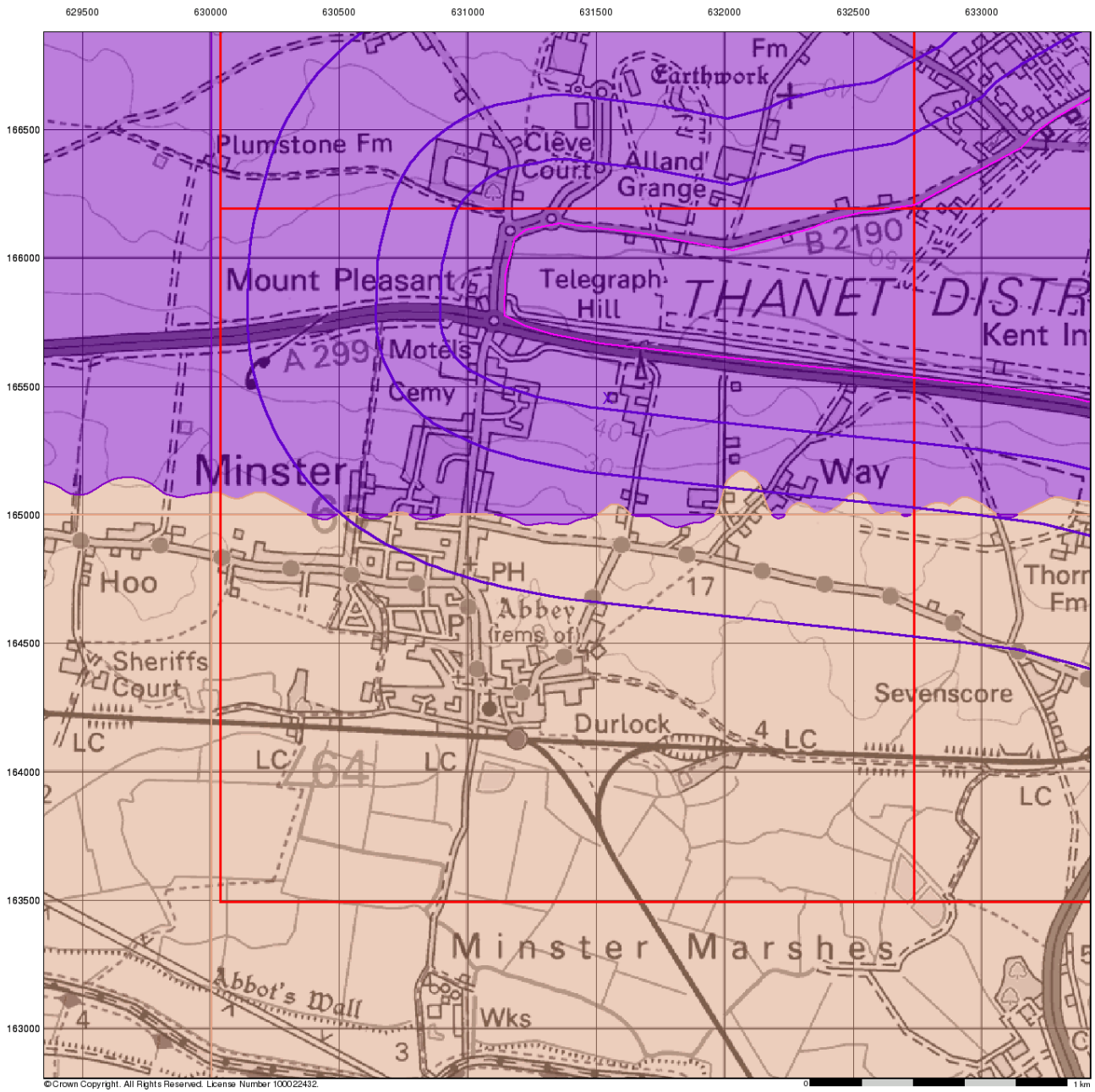
Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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



Envirocheck®

Bedrock Aquifer Designation

General

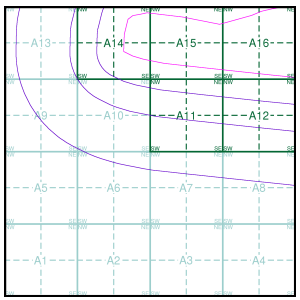
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



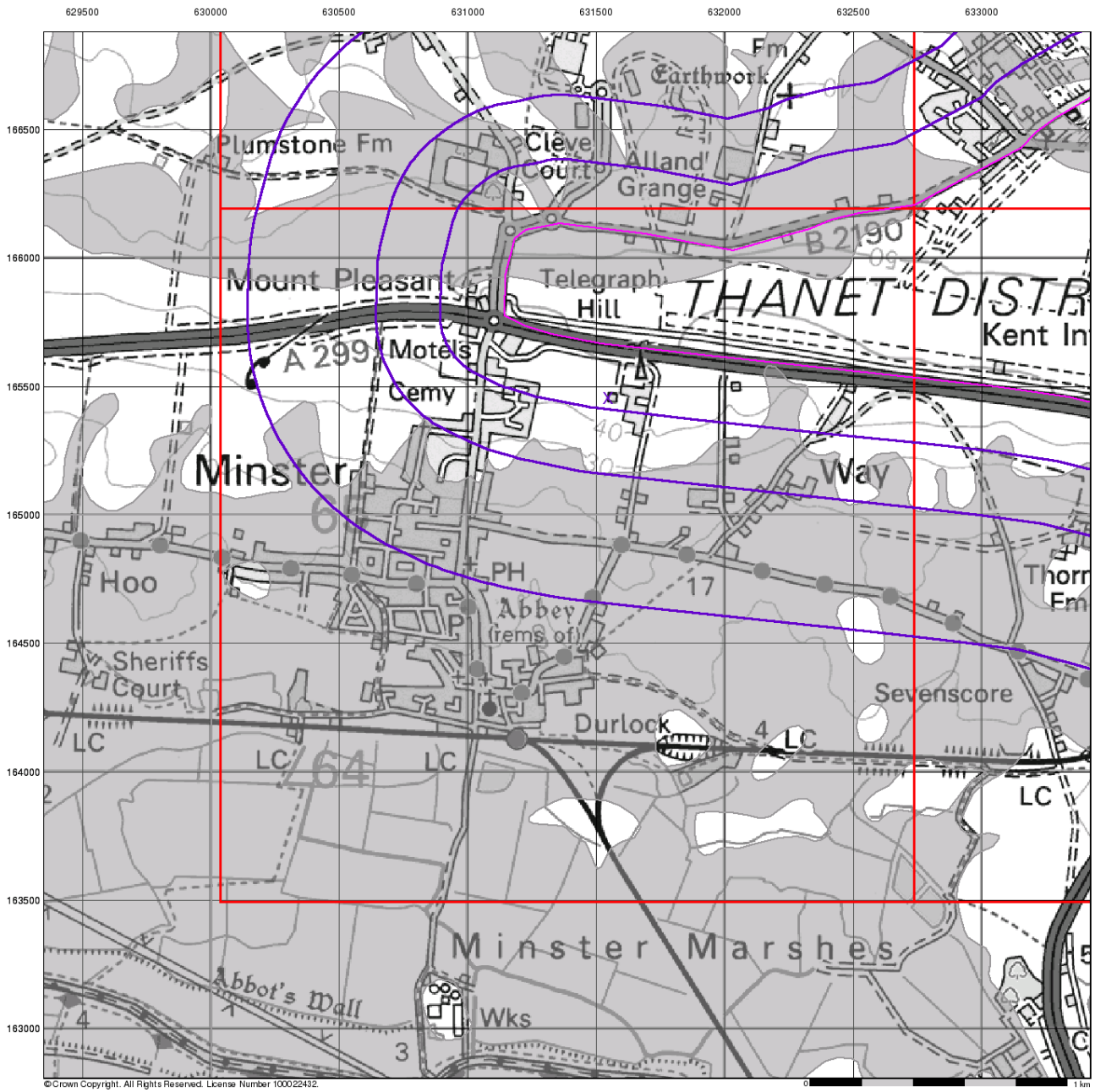
Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Superficial Aquifer Designation

General

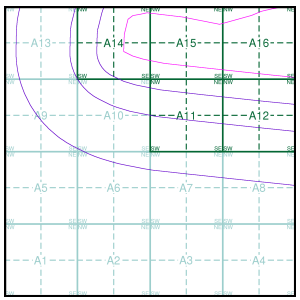
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A

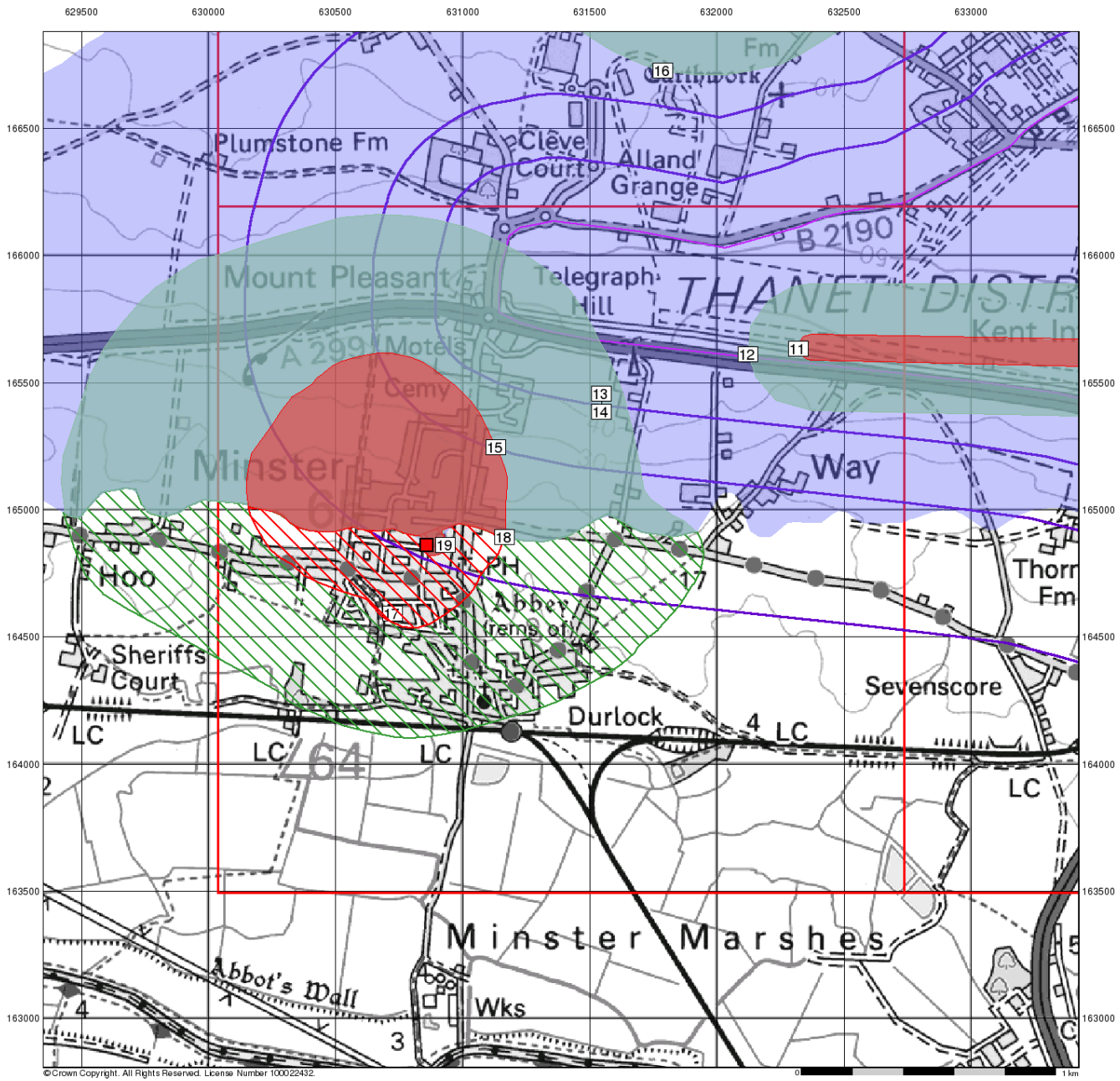


Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL



Envirocheck®

Source Protection Zones

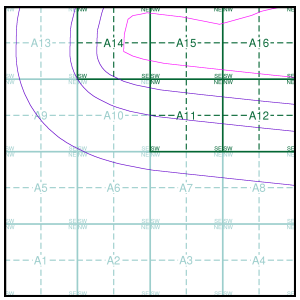
General

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)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
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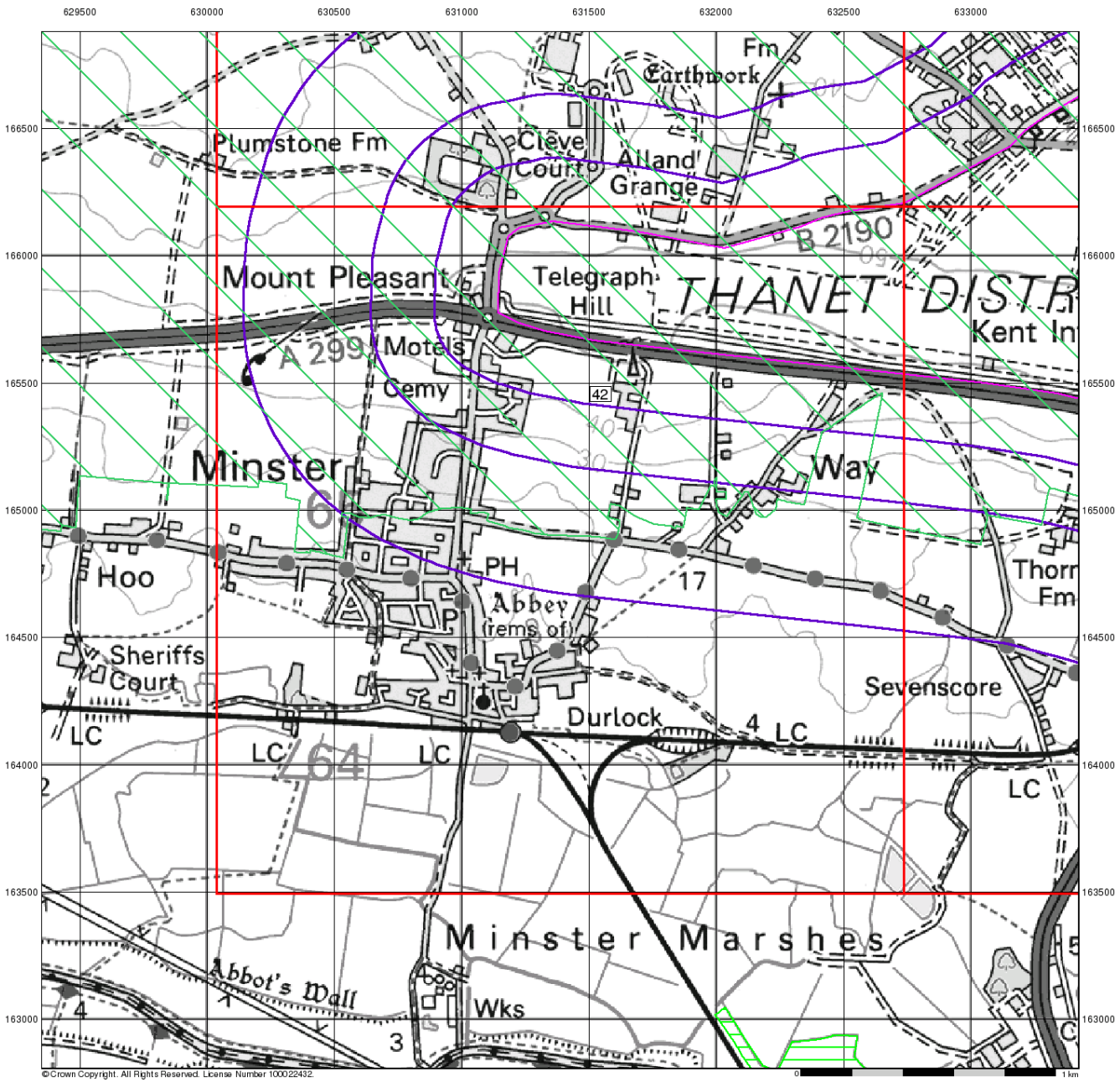


Envirocheck®

Sensitive Land Uses

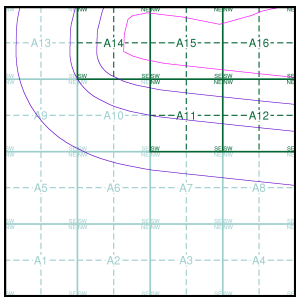
General

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

Sensitive Land Uses

- 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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
82787389_1_1

Customer Reference:
38199-15

National Grid Reference:
631550, 165460

Slice:
A

Site Area (Ha):
306.39

Search Buffer (m):
1000

Site Details:

Kent International Airport Ltd
Kent International Airport, Manston
RAMSGATE
Kent
CT12 5BL

Client Details:

Ms V Dahmoun
Amec Foster Wheeler E & I UK Ltd
Floor 4
60 London Wall
London
United Kingdom
EC2M 5TQ

Contents

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 the attached 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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Peter Brett Associates Copyright Notice

Radon Potential dataset Copyright Notice

Report Version v50.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			1	4
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2		2		
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2				Yes
Pollution Incidents to Controlled Waters	pg 2				1
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 2		1		3 (*10)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 6	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones	pg 6	4		1	4
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage					n/a

Envirocheck®

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 8				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites	pg 8				2
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 9	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 9	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 16		2	1	3
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 17	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 17	1			
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 17	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 18	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 18	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 18	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 18	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 19	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Envirocheck®

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 20		16	4	3
Fuel Station Entries	pg 22		2		
Sensitive Land Use					
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 23	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Channel Freight Storage Limited Property Type: Business Services Location: Channel Freight Storage Limited Telegraph Hill Industrial Estate, Laundry Road, Minster, Ramsgate, Kent, Ct12 4hy Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Eprpp3020xy Permit Version: 1 Effective Date: 26th October 2011 Issued Date: 26th October 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Into Land Receiving Water: Groundwater Via Borehole **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A11NW (S)	337	2	631530 165326
2	**Discharge Consents** Operator: Edward Stanton Farms Property Type: Mixed Farming Location: Edward Stanton Farms, Wayborough Farm, Wayborough Mill, Minster, Ramsgate Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: App/So/9k Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 1st April 1999 Revocation Date: 16th April 2004 Discharge Type: Trade Discharge - Process Water Discharge Environment: Into Land Receiving Water: Into Land **Status: Revoked Groundwater Regulations Authorisation** Positional Accuracy: Located by supplier to within 10m	A11SE (SE)	575	2	631850 165050
3	**Discharge Consents** Operator: Mr John Randall Property Type: Domestic Property (Single) Location: Way Farmhouse Way Hill, Minster, Ramsgate, Kent, Ct12 4hs Authority: Environment Agency, Southern Region Catchment Area: River Stour & Minster Reference: P21533 Permit Version: 1 Effective Date: 8th August 2007 Issued Date: 8th August 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Underground Strata **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A12SW (SE)	620	2	632180 164970
4	**Discharge Consents** Operator: Cosgrove Leisure (Wayside) Limited Property Type: Other Tourist/Short Stay Accommadation Location: Premises At Wayside Caravan Park Way Hill, Minster, Nr Ramsgate, Kent, Ct12 4hw Authority: Environment Agency, Southern Region Catchment Area: River Stour & Minster Reference: P21409 Permit Version: 2 Effective Date: 21st December 2012 Issued Date: 21st December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Into Land Receiving Water: Underground Strata **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A12SW (SE)	707	2	632110 164890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Ms Lydia Scott Property Type: Other Tourist/Short Stay Accommadation Location: Premises At Wayside Caravan Park Way Hill, Minster, Nr Ramsgate, Kent, Ct12 4hw Authority: Environment Agency, Southern Region Catchment Area: River Stour & Minster Reference: P21409 Permit Version: 1 Effective Date: 11th July 2007 Issued Date: 11th July 2007 Revocation Date: 20th December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Underground Strata **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A12SW (SE)	707	2	632110 164890
5	**Local Authority Pollution Prevention and Controls** Name: Somerfield Location: Tothill Street, Minster, CT12 Authority: Thanet District Council, Environmental Health Department Permit Reference: 01-05/06 Dated: 29th July 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A14SE (NW)	114	3	631162 165640
6	**Local Authority Pollution Prevention and Controls** Name: Cross Channel Service Station Location: Mount Pleasant, MINSTER, Kent, CT12 4AU Authority: Thanet District Council, Environmental Health Department Permit Reference: 02/03 Dated: 13th May 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Permitted** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	129	3	631014 165797
	Nearest Surface Water Feature	A11SE (SE)	702	-	631867 164921
7	**Pollution Incidents to Controlled Waters** Property Type: Domestic/Residential Location: Goss Hall, SANDWICH Authority: Environment Agency, Southern Region Pollutant: Sewage - Septic Tank Effluent Note: Sewage In Watercourse Incident Date: 23rd February 1998 Incident Reference: 29056 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Sewage - Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	768	2	631001 165001
8	**Water Abstractions** Operator: Wilson & Wilson Ltd Licence Number: 9/40/04/0171/Gr Permit Version: 100 Location: Point W At Minster Authority: Environment Agency, Southern Region Abstraction: Private Water Undertaking: 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: As Edged In Green On The Said Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 1st December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (E)	176	2	631690 165470

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Water Abstractions** Operator: Southern Water Services Ltd Licence Number: 9/40/04/0441/G Permit Version: 100 Location: Point 1, Borehole At Minster-In-Thanet Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: N/A Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SE (W)	805	2	630650 165140
10	**Water Abstractions** Operator: Southern Water Services Ltd Licence Number: 9/40/04/0049/Gr Permit Version: 100 Location: Boreholes At Minster Ps Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1364 Yearly Rate (m3): 497787 Details: N/A Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 2nd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	949	2	630860 164860
10	**Water Abstractions** Operator: Southern Water Services Plc Licence Number: 4/0049/B/GR Permit Version: Not Supplied Location: Minster Pumping Station , MINSTER Authority: Environment Agency, Southern Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Pond or Lake Daily Rate (m3): 1364 Yearly Rate (m3): 497787 Details: Additional Purpose: Public Water Supply Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10SW (SW)	954	2	630860 164855
	Water Abstractions Operator: Mr D H Clifton Licence Number: 9/40/04/0258/Sr Permit Version: 100 Location: Watercourses At Clapper Hill, Minster Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): 1000 Yearly Rate (m3): 10000 Details: As Shown Hatched Green On The Map. Authorised Start: 01 May Authorised End: 31 July Permit Start Date: 1st December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NE (S)	1173	2	631270 164520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr E Spanton Licence Number: 9/40/04/0095/Sr Permit Version: 100 Location: Watercourse At Minster House, Minster (Point 1) 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): 232 Yearly Rate (m3): 20457 Details: As Shown Coloured Green And Yellow And Edged Red On The Map. Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 2nd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5SE (SW)	1632	2	630620 164220
	Water Abstractions Operator: Mr D H Clifton Licence Number: 09/208 Permit Version: 100 Location: Point A 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: Edged Red On Licence Map Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NE (S)	1668	2	631276 164016
	Water Abstractions Operator: Mr D H Clifton Licence Number: 09/208 Permit Version: 100 Location: Point A 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: Lands Hatched Green On Licence Map Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NE (S)	1668	2	631276 164016
	Water Abstractions Operator: F A Fuller And Son Licence Number: 09/170 Permit Version: 101 Location: Area 1, Minster Stream & Watercourses. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area 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	(W)	1764	2	629630 164870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr F A Fuller Licence Number: 09/170 Permit Version: 100 Location: Area 1, Minster Stream & Watercourses. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area 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: 22nd January 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1764	2	629630 164870
	Water Abstractions Operator: Mr E Spanton Licence Number: 9/40/04/0095/Sr Permit Version: 100 Location: Watercourse At Minster House, Minster (Point 2) 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 Shown Coloured Green And Yellow And Edged Red On The Map. Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 2nd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NE (SW)	1775	2	630640 164060
	Water Abstractions Operator: St Nicholas Court Farms Ltd Licence Number: So/040/0009/006 Permit Version: 1 Location: Unnamed Drain At Sheriffs Court, Minster, Ramsgate 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: Not Supplied Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 22nd July 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SW)	1900	2	629922 164321
	Water Abstractions Operator: Es Linington & Son Licence Number: 9/40/04/0468/S Permit Version: 101 Location: Area 1, Minster Stream & Trib. Dykes At Minster. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Outlined In Red On Licence Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 8th January 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NE (SW)	1977	2	630400 163940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Es Linington And Son Licence Number: 9/40/04/0468/S Permit Version: 100 Location: Area 1, Minster Stream & Trib. Dykes At Minster. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Outlined In Red On Licence Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 5th November 1984 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NE (SW)	1977	2	630400 163940
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 47 East Kent Scale: 1:100,000	A11NW (N)	0	2	631547 165455
	Drift Deposits Drift Deposit: Low permeability drift deposits occuring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 47 East Kent Scale: 1:100,000	A11NW (SW)	0	2	631398 165241
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A11NW (N)	0	4	631547 165455
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(NE)	0	4	632552 166923
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A15NW (N)	0	4	631547 165884
11	**Source Protection Zones** Name: Lord Of The Manor Source: Environment Agency, Head Office Reference: Su036 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A16SW (E)	0	2	632323 165633
12	**Source Protection Zones** Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A16SW (E)	0	2	632125 165610
13	**Source Protection Zones** Name: Minster Source: Environment Agency, Head Office Reference: Su349 Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A11NW (N)	0	2	631547 165455
14	**Source Protection Zones** Name: Various 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.	A11NW (N)	0	2	631547 165455
15	**Source Protection Zones** Name: Minster Source: Environment Agency, Head Office Reference: Su349 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A10NE (SW)	332	2	631133 165244
16	**Source Protection Zones** Name: Sparrows Castle Source: Environment Agency, Head Office Reference: Su032 Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	(N)	628	2	631787 166725

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Source Protection Zones** Name: Minster Source: Environment Agency, Head Office Reference: Su349 Type: Zone IIc (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater - subsurface activity only.	A11SW (S)	674	2	631571 164982
18	**Source Protection Zones** Name: Minster Source: Environment Agency, Head Office Reference: Su349 Type: Zone Ic (Inner Protection Zone): Travel time of 50 days or less to the groundwater source - subsurface activity only.	A10SE (SW)	816	2	631166 164892
19	**Source Protection Zones** Name: Divers Bridge Springs, Corsley, Spr4 Source: Environment Agency, Head Office Reference: Sw074 Type: Groundwater Source	A10SW (SW)	949	2	630860 164860
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	Detailed River Network Lines None				
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Historical Landfill Sites** Licence Holder: H Crow Location: Minster, hanet, Kent Name: Tothill Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19430 First Input Date: Not Supplied Last Input Date: 31st December 1973 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7268 BGS Ref: Not Supplied Other Ref: TH23	A10NE (SW)	507	2	631084 165249
21	**Historical Landfill Sites** Licence Holder: Major L Thomas Location: Prospect Road, Minster, Kent Name: Prospect Gardens Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19436 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7260 BGS Ref: Not Supplied Other Ref: TH16	A9SE (W)	807	2	630682 165106
	Local Authority Landfill Coverage Name: Thanet District Council - Has supplied landfill data		0	3	631547 165455
	Local Authority Landfill Coverage Name: Kent County Council - Had landfill data but passed it to the relevant environment agency		0	9	631547 165455
22	**Local Authority Recorded Landfill Sites** Location: Tothill Street Reference: TH23 Authority: Thanet District Council, Environmental Health Department **Last Reported Status: Closed** Types of Waste: Non Degradable, Slowly Degradable - Scrap Metal, Putrescible, Hazardous, Inert Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A10NE (SW)	522	3	631067 165239
23	**Local Authority Recorded Landfill Sites** Location: Prospect Gardens Reference: TH16 Authority: Thanet District Council, Environmental Health Department **Last Reported Status: Unknown** Types of Waste: Unknown Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A9SE (W)	815	3	630671 165111

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A11NW (N)	0	4	631547 165455
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NE (NE)	0	4	632000 166000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NW (N)	0	4	631547 166000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NW (N)	0	4	631547 165455
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NW (N)	0	4	631547 165885
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NE (NE)	0	4	632000 165960
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NE (E)	0	4	632000 165455

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NW (N)	0	4	631547 166010
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	(NE)	0	4	632121 166293
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NE (NE)	5	4	632025 166047
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NE (N)	12	4	631298 166134
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NE (E)	13	4	632000 165295
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NE (NE)	38	4	632000 166075

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NW (W)	143	4	631000 165455
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NW)	146	4	631000 165888
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NW)	159	4	631000 166000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NW (E)	269	4	632293 165286
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NE (SE)	293	4	632000 165244
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (E)	298	4	632547 165191

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NE (SE)	316	4	631917 165240
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NW (SW)	366	4	631433 165258
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NW (S)	371	4	631508 165277
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NW (W)	408	4	631000 165392
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SE (SE)	433	4	632008 165133
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (E)	443	4	632720 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (SE)	471	4	632457 165053
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SE (SE)	490	4	632000 165120
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10SW (SW)	493	4	631000 165148
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SW (SE)	499	4	632230 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SE (SE)	501	4	632000 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (E)	533	4	632685 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SW (SE)	585	4	632181 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (S)	609	4	631547 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	(NW)	611	4	630788 166541
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (S)	614	4	631636 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (S)	615	4	631566 165041
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (S)	664	4	631499 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10SE (SW)	740	4	631101 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10SW (SW)	764	4	631000 165005
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10SW (SW)	769	4	631000 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10SW (SW)	802	4	630906 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10SW (SW)	860	4	630771 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (SE)	869	4	632437 164643

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	(NW)	878	4	630429 166528
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9SE (SW)	903	4	630682 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9SE (SW)	961	4	630576 165000
24	**BGS Recorded Mineral Sites** Site Name: Mount Pleasant Chalk Pit Location: , Minster, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132289 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Margate Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A14SE (NW)	72	4	631072 165821
25	**BGS Recorded Mineral Sites** Site Name: Dellside Chalk Pit Location: , Way, Minster, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132292 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Margate Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A15SE (E)	80	4	632032 165529
26	**BGS Recorded Mineral Sites** Site Name: Way Chalk Pit Location: , Way, Minster, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132293 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A12SW (SE)	466	4	632309 165111

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**BGS Recorded Mineral Sites** Site Name: The Freehold Chalk Pit Location: , Minster, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132290 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A10NW (SW)	575	4	631042 165191
28	**BGS Recorded Mineral Sites** Site Name: Pinks Corner Brick Field Location: , Minster, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132295 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Head, 1 Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A11SW (S)	736	4	631470 164931
29	**BGS Recorded Mineral Sites** Site Name: Poorman'S Hole Location: , Minster, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132291 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A9SE (W)	856	4	630638 165085
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A11NW (N)	0	-	631547 165455
	Man-Made Mining Cavities Easting: 632000 Northing: 165700 Distance: 0 Quadrant Reference: A15 Quadrant Reference: SE Bearing Ref: NE Cavity Type: Denehole:- vertical shaft having chambers at the base Commodity: Chalk Solid Geology Detail: Chalk Group Superficial Geology Detail: No Details	A15SE (NE)	0	5	632000 165700
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	4	631542 165540
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A16SW (E)	0	4	632165 165658
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A16SW (E)	0	4	632213 165671

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	A11NW (N)	0	4	631547 165455
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	4	631547 165885
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14NE (N)	12	4	631298 166134
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NW (SW)	13	4	631433 165258
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	243	4	631547 165000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	160	4	631547 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	127	4	632443 165235
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	4	631547 165885
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A14NE (N)	12	4	631298 166134
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (SW)	13	4	631433 165258
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	243	4	631547 165000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	160	4	631547 165000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	4	631547 165885
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A14NE (N)	12	4	631298 166134
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NW (SW)	13	4	631433 165258
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	243	4	631547 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	4	631547 165799
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11NW (SW)	0	4	631480 165324
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	0	4	631547 165455
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	4	631547 165799
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11NW (SW)	0	4	631480 165324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Contemporary Trade Directory Entries** Name: Bill Reeves M G Centre Location: Rose Farm, Spitfire Way, Manston, Ramsgate, Kent, CT12 5BU Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A16NE (NE)	29	-	632468 166190
31	**Contemporary Trade Directory Entries** Name: Summit Aviation Location: Merlin House, Merlin Way, Manston, Ramsgate, Kent, CT12 5FE Classification: Aviation Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A15NE (N)	92	-	631807 166167
31	**Contemporary Trade Directory Entries** Name: Aerospace & Controls Technology Location: Merlin House, Merlin Way, Manston, Ramsgate, CT12 5FE Classification: Control Panels **Status: Active** Positional Accuracy: Automatically positioned to the address	A15NE (N)	92	-	631767 166175
32	**Contemporary Trade Directory Entries** Name: Cross Channel Service Station Location: Mount Pleasant, Minster, Ramsgate, Kent, CT12 4AU Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	129	-	631014 165797
33	**Contemporary Trade Directory Entries** Name: Mirage Of Kent Ltd Location: Unit 12, Laundry Road, Minster, Ramsgate, CT12 4HY Classification: Window Tinting **Status: Active** Positional Accuracy: Automatically positioned to the address	A11NW (E)	150	-	631706 165495
33	**Contemporary Trade Directory Entries** Name: Rainbow International Location: Unit 5, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11NW (E)	170	-	631672 165478
33	**Contemporary Trade Directory Entries** Name: Advanced Engineering Location: Unit 5, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Metal Products - Fabricated **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11NW (E)	170	-	631672 165478
33	**Contemporary Trade Directory Entries** Name: Manex Joinery Location: Unit 5, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11NW (E)	170	-	631672 165478
33	**Contemporary Trade Directory Entries** Name: East Kent Cartons Location: Unit 2, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Boxes & Cartons **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A11NW (E)	179	-	631679 165468
33	**Contemporary Trade Directory Entries** Name: Trucklife Location: Unit 7-8, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Active** Positional Accuracy: Automatically positioned to the address	A11NW (E)	179	-	631679 165468
33	**Contemporary Trade Directory Entries** Name: Minster Mot & Service Centre Ltd Location: Unit 24, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A11NW (E)	179	-	631679 165468
33	**Contemporary Trade Directory Entries** Name: Wilson & Wilson Field Sports Ltd Location: Laundry Road, Minster, RAMSGATE, Kent, CT12 4HL Classification: Gunsmiths **Status: Active** Positional Accuracy: Automatically positioned to the address	A11NW (E)	179	-	631679 165468

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	**Contemporary Trade Directory Entries** Name: Tri-Air & Diving Products Innovations Location: Laundry Rd, Minster, Ramsgate, Kent, CT12 4HL Classification: Ventilators & Ventilation Systems **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A11NW (E)	179	-	631679 165468
34	**Contemporary Trade Directory Entries** Name: Whites Transport Ltd Location: Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A11NW (NE)	169	-	631614 165486
34	**Contemporary Trade Directory Entries** Name: Total Energy Control Ltd Location: Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Generators - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11NW (NE)	169	-	631614 165486
34	**Contemporary Trade Directory Entries** Name: M T N Products Location: Unit 23,Laundry Rd, Minster, Ramsgate, Kent, CT12 4HY Classification: Water Coolers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A11NW (E)	200	-	631620 165454
35	**Contemporary Trade Directory Entries** Name: Houston Wire Works Location: Unit 29, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Water Coolers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11NW (SE)	271	-	631672 165376
35	**Contemporary Trade Directory Entries** Name: Selous Location: Unit 31, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A11NW (SE)	272	-	631672 165376
35	**Contemporary Trade Directory Entries** Name: The Water Delivery Co Ltd Location: Unit 29, Laundry Road, Minster, Ramsgate, Kent, CT12 4HY Classification: Water Coolers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A11NW (SE)	272	-	631672 165376
36	**Contemporary Trade Directory Entries** Name: Euro Team Location: 93, Tothill Street, Minster, Ramsgate, Kent, CT12 4AP Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A10NE (W)	462	-	631058 165305
37	**Contemporary Trade Directory Entries** Name: Adrian Smith Associates Ltd Location: 22, Orchard Close, Minster, RAMSGATE, Kent, CT12 4AL Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A10SW (SW)	660	-	630938 165142
38	**Contemporary Trade Directory Entries** Name: Fuelsure Location: The Outlook, Foxborough Lane, Minster, Ramsgate, Kent, CT12 4AH Classification: Tank Cleaning & Repairing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A10SE (SW)	763	-	631097 164977
39	**Contemporary Trade Directory Entries** Name: V Technical Location: Tothill Street, Minster, Ramsgate, Kent, CT12 4AG Classification: Office Equipment Servicing & Maintenance **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A6NW (SW)	941	-	630965 164831

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	**Fuel Station Entries** Name: Co-Op Minster Location: Tothill Street, Minster, Thanet, Kent, CT12 4AY Brand: Texaco Premises Type: Service Area **Status: Open** Positional Accuracy: Manually positioned to the address or location	A14SE (NW)	90	-	631173 165661
41	**Fuel Station Entries** Name: Cross Channel Service Station Location: Mount Pleasant, Minster, RAMSGATE, Kent, CT12 4AU Brand: Total Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	129	-	631014 165797

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	**Nitrate Vulnerable Zones** Name: Not Supplied Description: Groundwater Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A11NW (N)	0	6	631547 165455

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Thanet District Council - Environmental Health Department	April 2014	Annual Rolling Update
Dover District Council - Environmental Health Department	January 2015	Annual Rolling Update
Discharge Consents		
Environment Agency - Southern Region	January 2016	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Southern Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - Southern Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - Southern Region	January 2016	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Thanet District Council - Environmental Health Department	April 2014	Annual Rolling Update
Dover District Council - Environmental Health Department	June 2014	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Thanet District Council - Environmental Health Department	April 2014	Annual Rolling Update
Dover District Council - Environmental Health Department	June 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Thanet District Council - Environmental Health Department	April 2014	Annual Rolling Update
Dover District Council - Environmental Health Department	June 2014	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - Southern Region	March 2013	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - Southern Region	March 2013	As notified
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 - Southern Region - Kent Area	January 2016	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	January 2016	Quarterly
Water Abstractions		
Environment Agency - Southern Region	January 2016	Quarterly
Water Industry Act Referrals		
Environment Agency - Southern Region	January 2016	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	October 2012	As notified
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	January 2015	As notified
Source Protection Zones		
Environment Agency - Head Office	January 2016	Quarterly

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	February 2016	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	February 2016	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	February 2016	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	February 2016	Quarterly
Flood Defences		
Environment Agency - Head Office	February 2016	Quarterly
Detailed River Network Lines		
Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage		
Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability		
Environment Agency - Head Office	October 2013	As notified
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	March 2016	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Southern Region - Kent Area	February 2016	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	February 2016	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Southern Region - Kent Area	January 2016	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	January 2016	Quarterly
Local Authority Landfill Coverage		
Dover District Council - Environmental Health Department	May 2000	Not Applicable
Kent County Council - Waste Management Group	May 2000	Not Applicable
Thanet District Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Dover District Council - Environmental Health Department	May 2000	Not Applicable
Kent County Council - Waste Management Group	May 2000	Not Applicable
Thanet District Council - Environmental Health Department	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	February 2016	Bi-Annually
Explosive Sites		
Health and Safety Executive	February 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Thanet District Council	February 2016	Annual Rolling Update
Dover District Council - Planning Department	January 2016	Annual Rolling Update
Kent County Council	January 2016	Annual Rolling Update
Planning Hazardous Substance Consents		
Thanet District Council	February 2016	Annual Rolling Update
Dover District Council - Planning Department	January 2016	Annual Rolling Update
Kent County Council	January 2016	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	January 2010	Annually
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	November 2015	Bi-Annually
Brine Compensation Area		
Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	As notified
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	June 2015	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	November 2015	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2015	Quarterly
Sensitive Land Use	**Version**	**Update Cycle**
Areas of Outstanding Natural Beauty Natural England	October 2015	Bi-Annually
Environmentally Sensitive Areas Natural England	October 2015	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	October 2015	Bi-Annually
Marine Nature Reserves Natural England	October 2015	Bi-Annually
National Nature Reserves Natural England	October 2015	Bi-Annually
National Parks Natural England	March 2016	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	October 2015	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2015	Bi-Annually
Special Areas of Conservation Natural England	October 2015	Bi-Annually
Special Protection Areas Natural England	October 2015	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	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
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	**Thanet District Council - Environmental Health Department** Council Offices, Cecil Street, Margate, Kent, CT9 1XZ	Telephone: 01843 577000 Fax: 01843 290906 Website: www.thanet.gov.uk
4	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
5	**Peter Brett Associates** Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
6	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
7	**Natural England** Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
9	**Kent County Council - Waste Management Group** Block H, The Forstal, Beddow Way, Aylesford, Kent, ME20 7BT	Telephone: 01622 605976 Website: www.kent.gov.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.

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
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
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
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
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

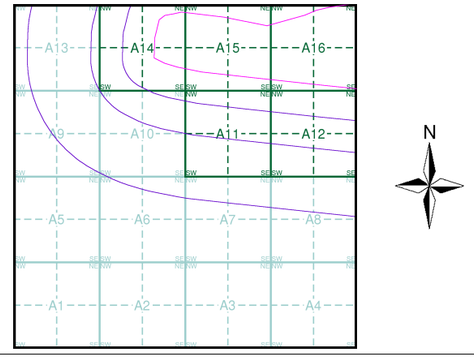
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or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

Envirocheck®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:10,560	1877	2
Kent	1:10,560	1898 - 1899	3
Kent	1:10,560	1908	4
Kent	1:10,560	1908	5
Kent	1:10,560	1908	6
Kent	1:10,560	1931 - 1939	7
Kent	1:10,560	1931	8
Kent	1:10,560	1938 - 1946	9
Historical Aerial Photography	1:10,560	1945 - 1949	10
Kent	1:10,560	1948 - 1951	11
Historical Aerial Photography	1:10,560	1948 - 1949	12
Ordnance Survey Plan	1:10,000	1960 - 1961	13
Ordnance Survey Plan	1:10,000	1968	14
Ordnance Survey Plan	1:10,000	1975	15
Ordnance Survey Plan	1:10,000	1982	16
Ordnance Survey Plan	1:10,000	1990 - 1991	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2016	19

Historical Map - Slice A



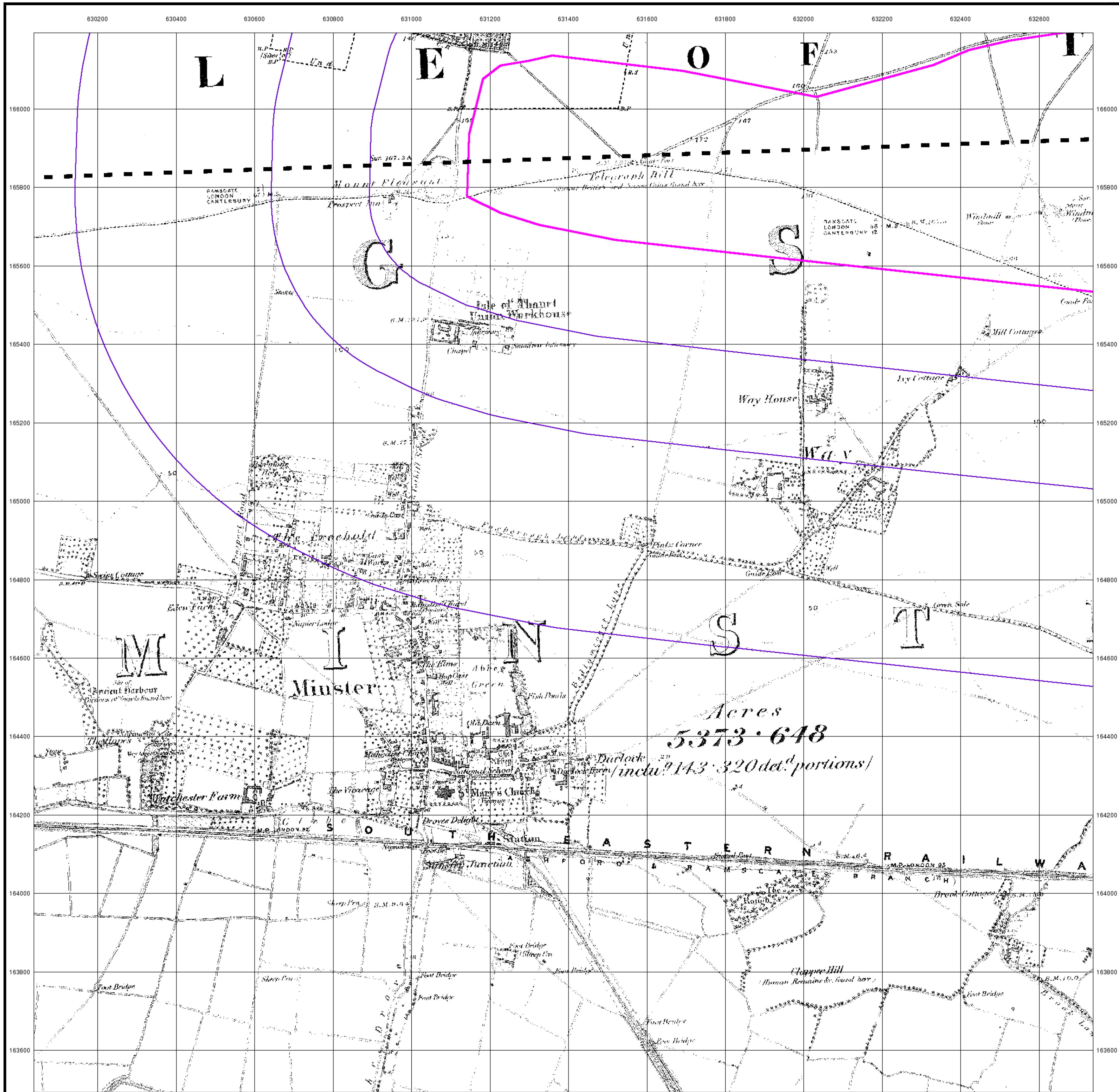
Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 631550, 165460
Slice: A
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Envirocheck®

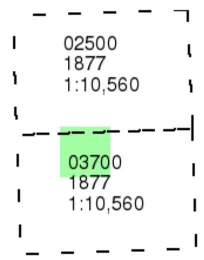
Kent

Published 1877

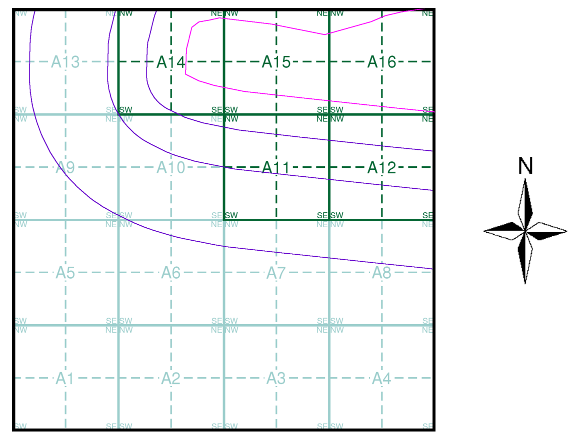
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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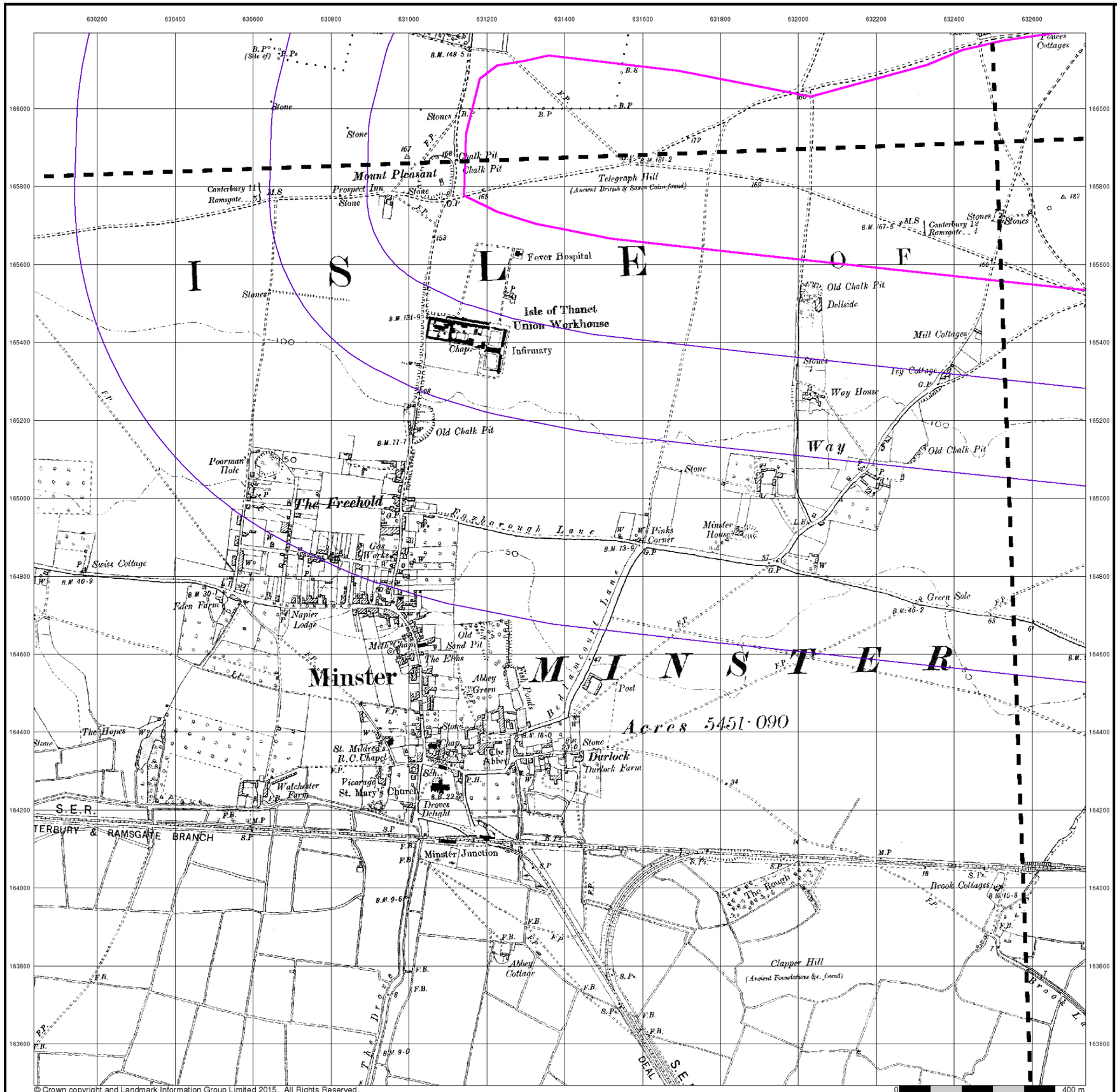
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Kent

Published 1898 - 1899

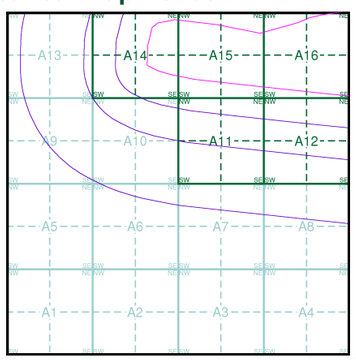
Source map scale - 1:10,560

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)

025SW 1898 1:10,560	025SE 1899 1:10,560
037NW 1898 1:10,560	037NE 1899 1:10,560

Historical Map - Slice A



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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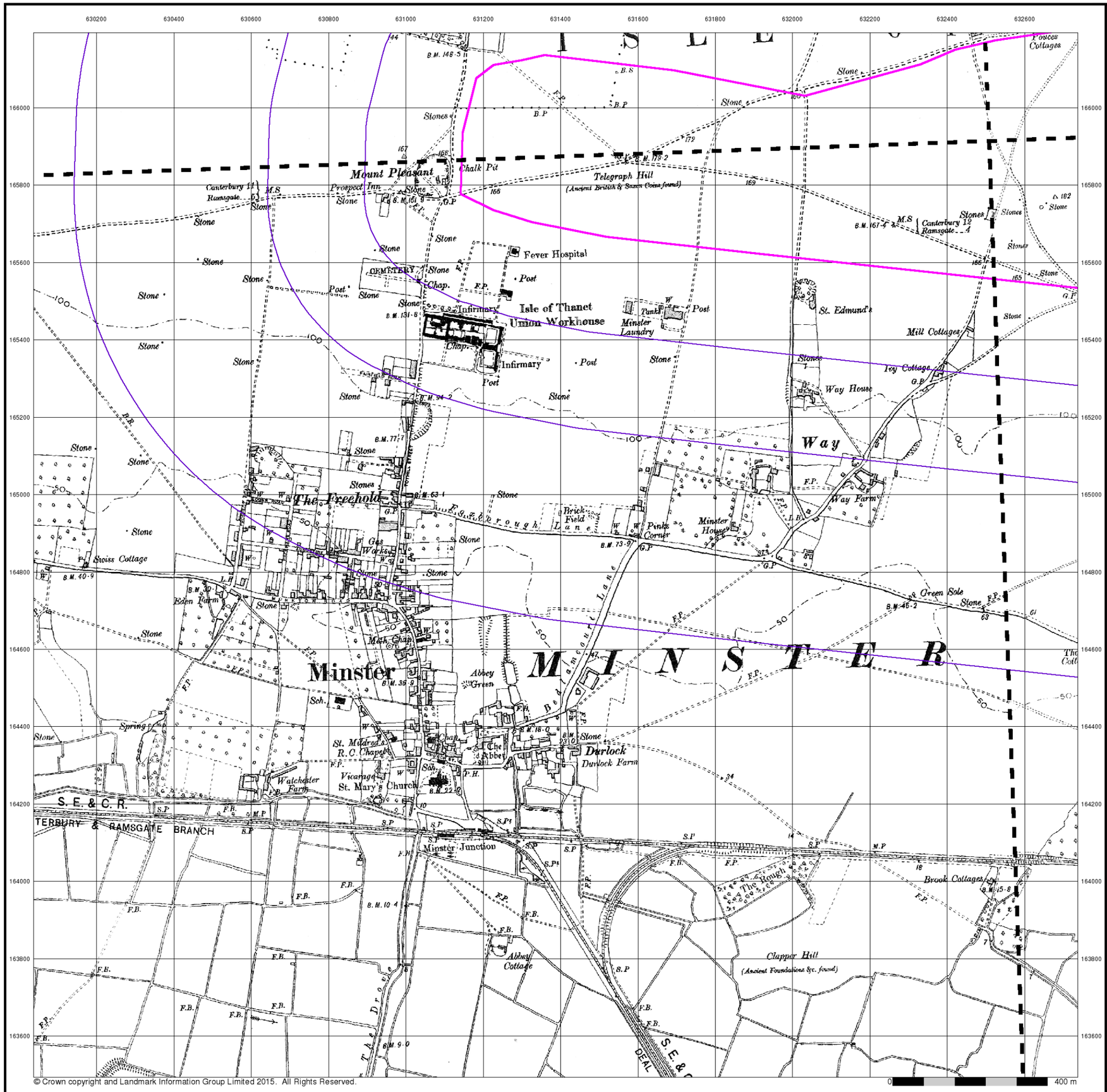

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Kent

Published 1908

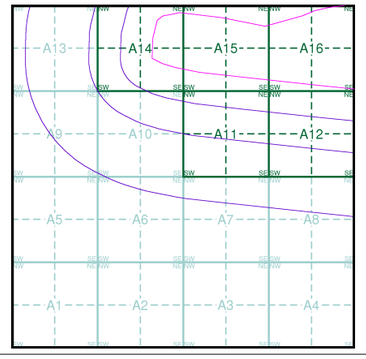
Source map scale - 1:10,560

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)

025SW 1908 1:10,560	025SE 1908 1:10,560
037NW 1908 1:10,560	037NE 1908 1:10,560

Historical Map - Slice A



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Slice:	A
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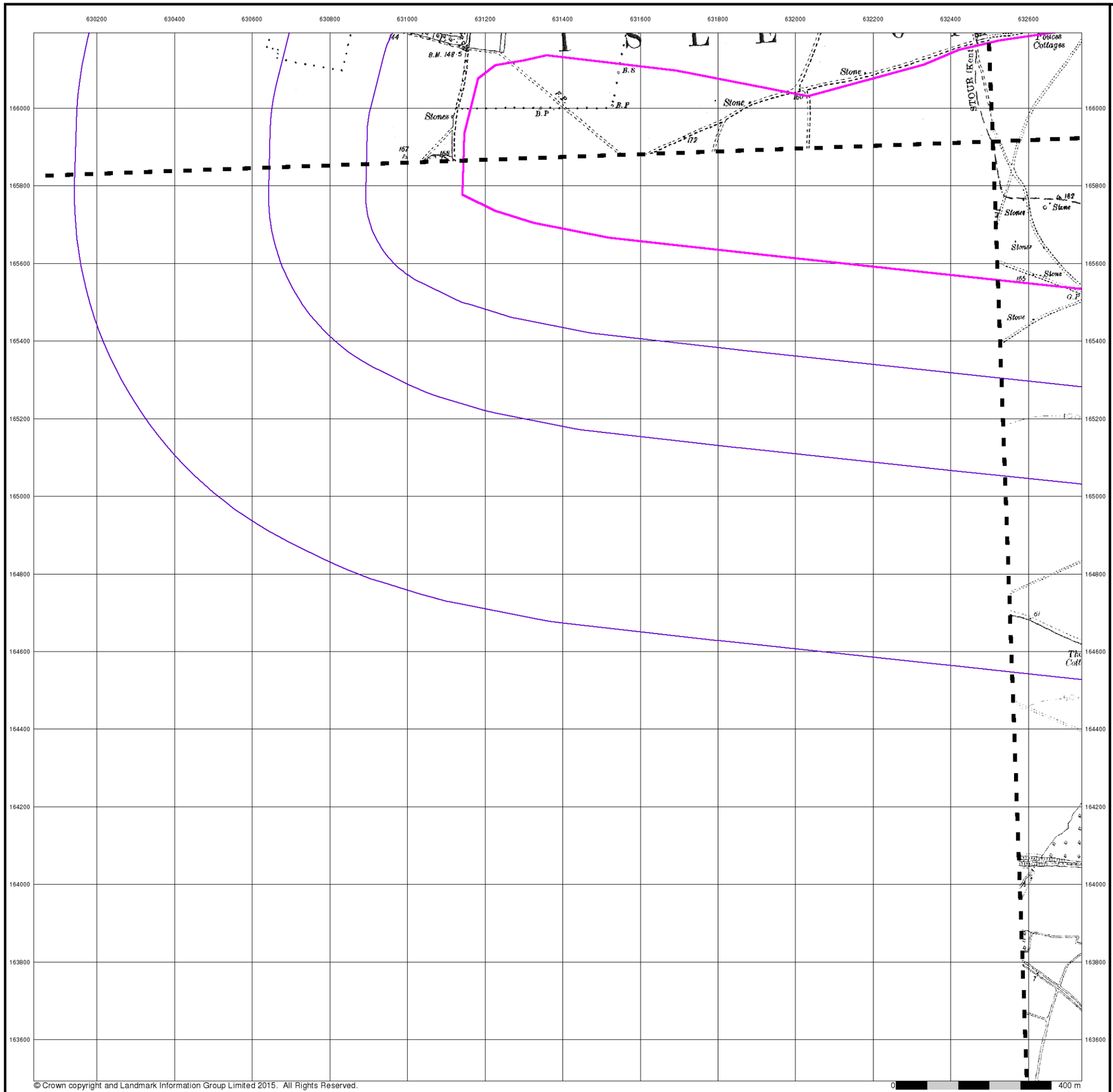

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Kent

Published 1908

Source map scale - 1:10,560

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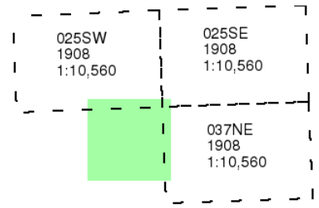
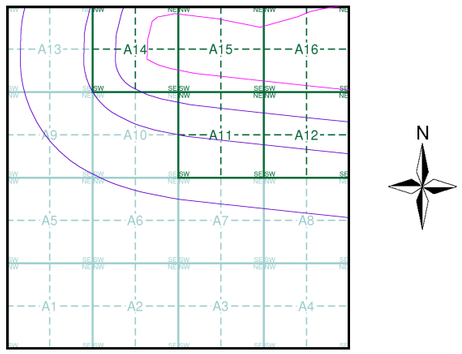


Historical Map - Slice A



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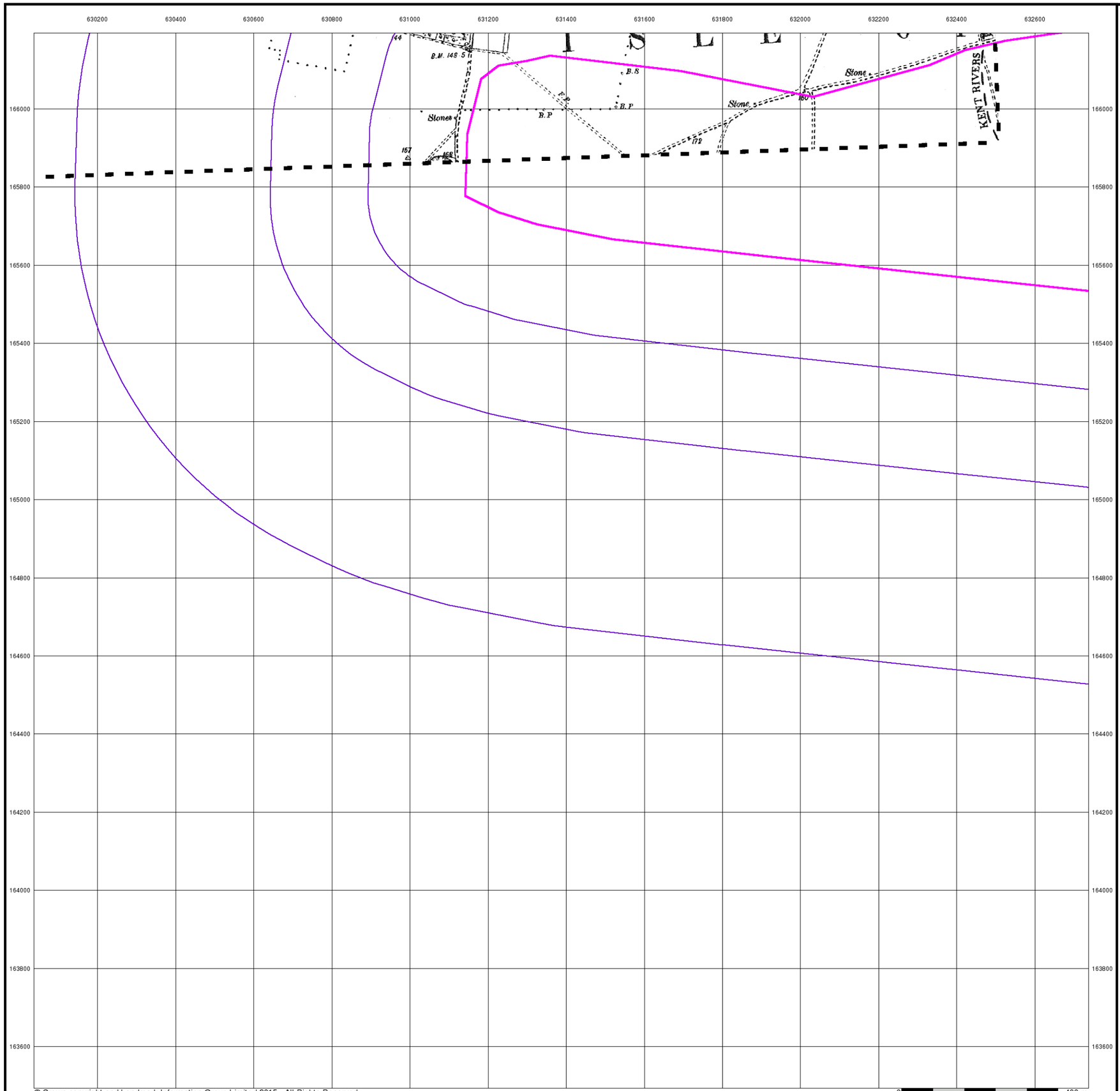

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Kent

Published 1908

Source map scale - 1:10,560

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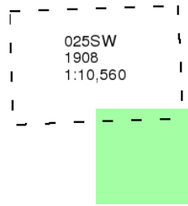
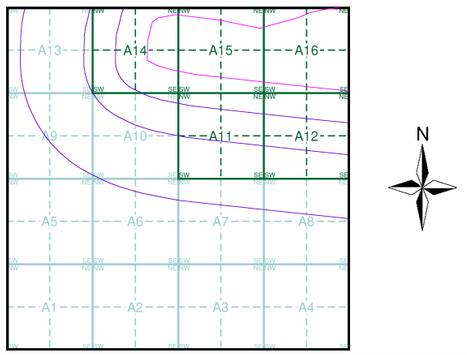
Map Name(s) and Date(s)



Historical Map - Slice A



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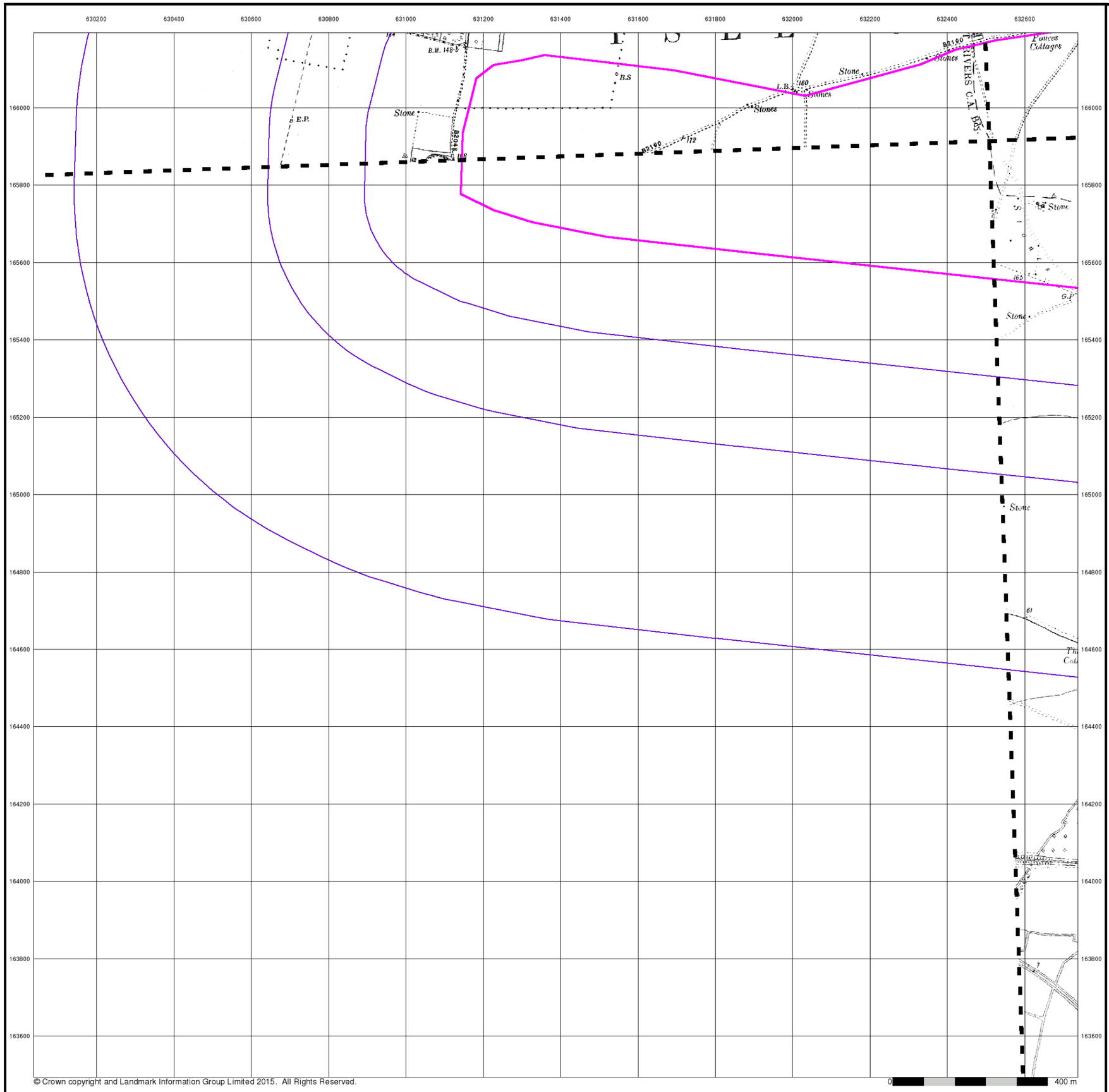

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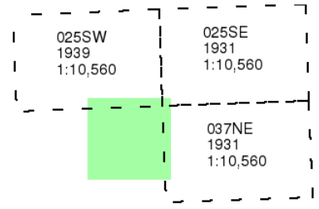
Kent

Published 1931 - 1939

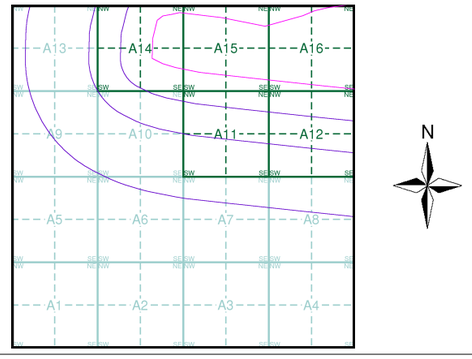
Source map scale - 1:10,560

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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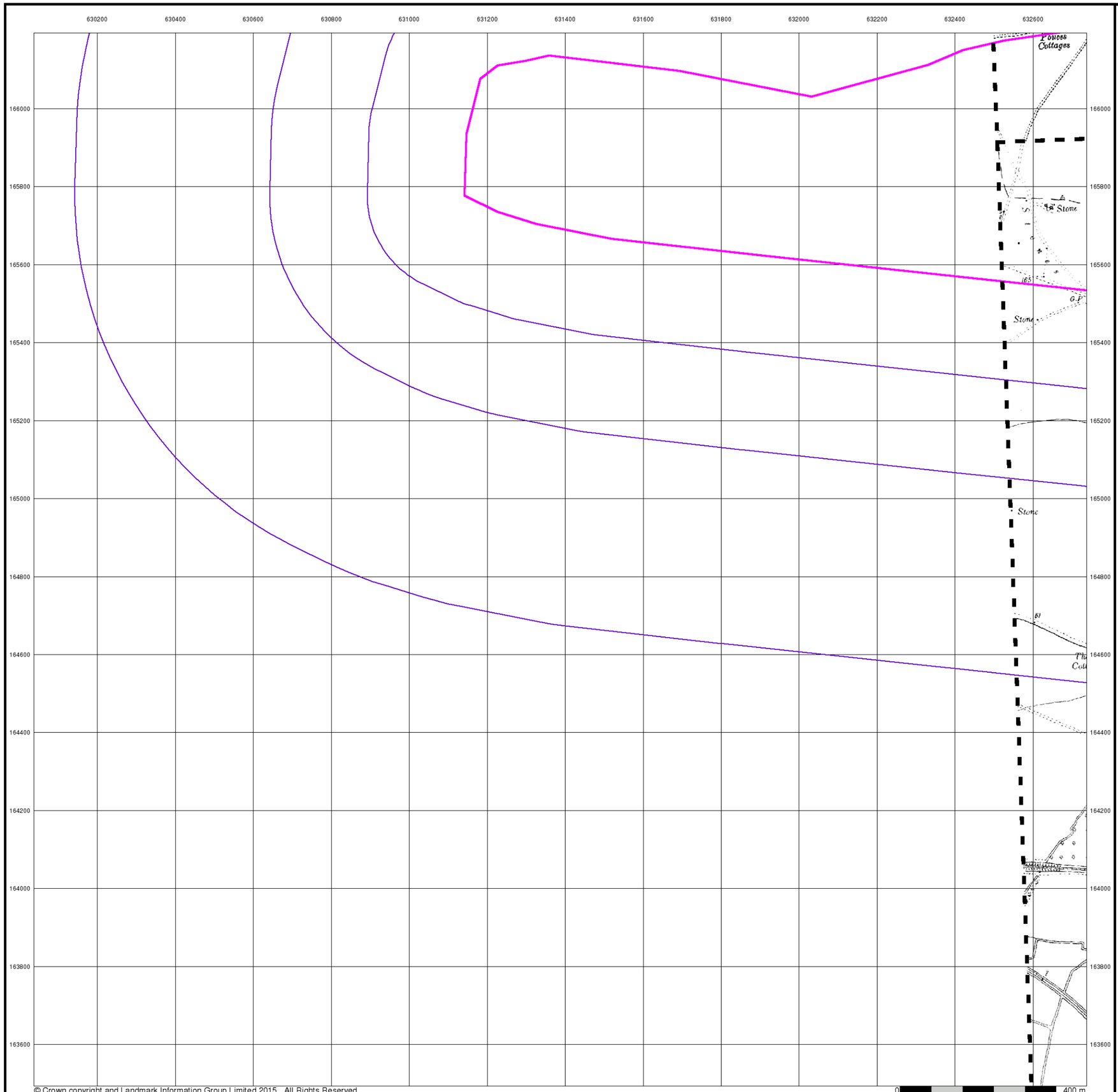


Envirocheck®

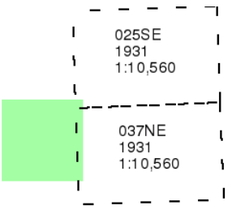
Kent

Published 1931

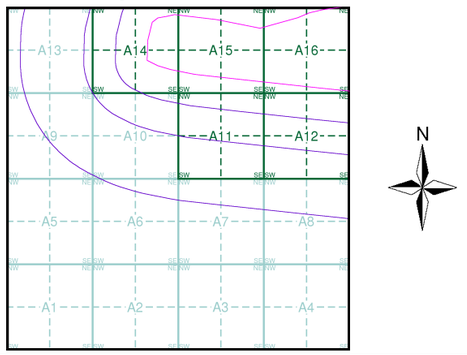
Source map scale - 1:10,560

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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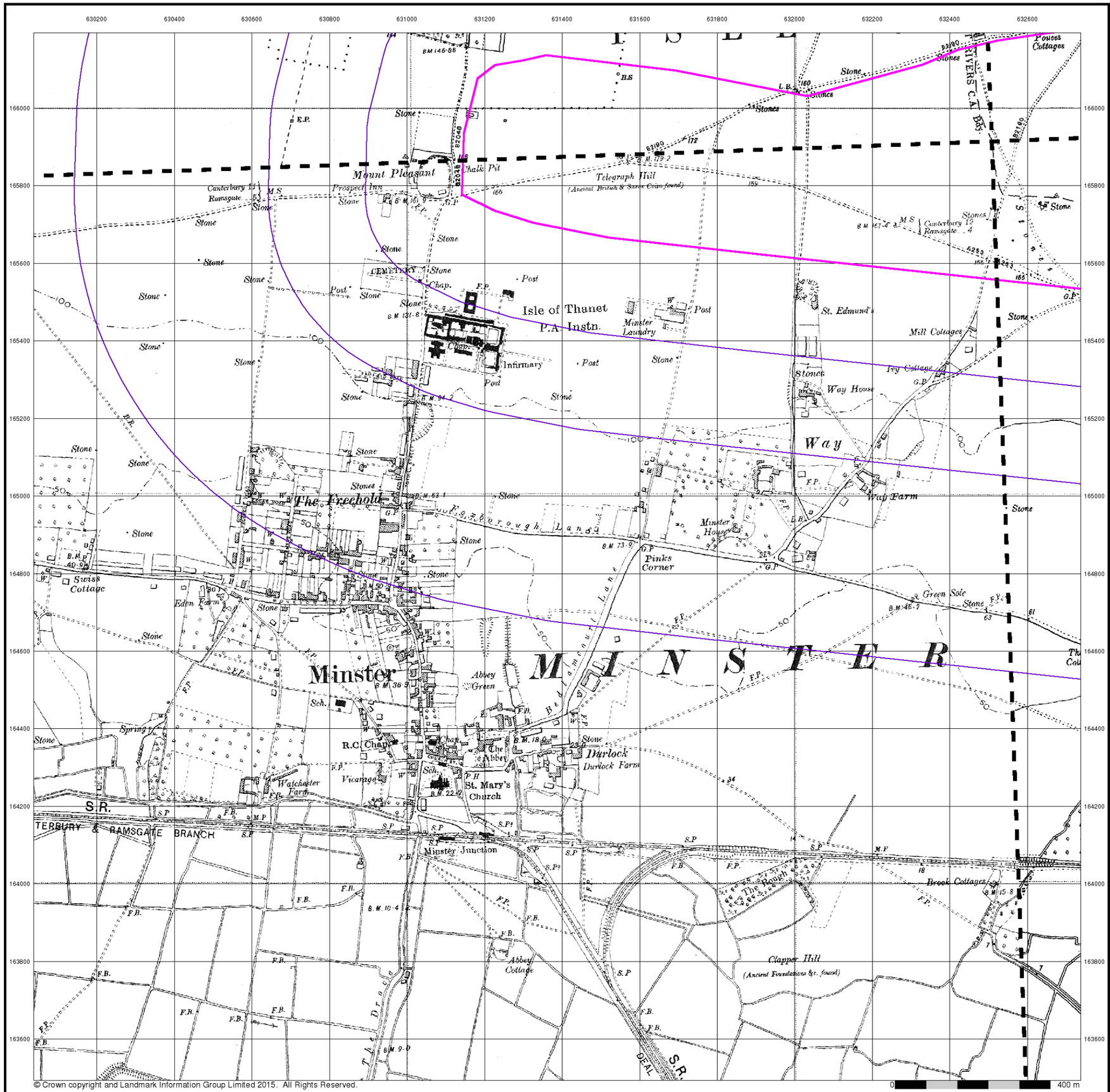


Envirocheck®

Kent

Published 1938 - 1946

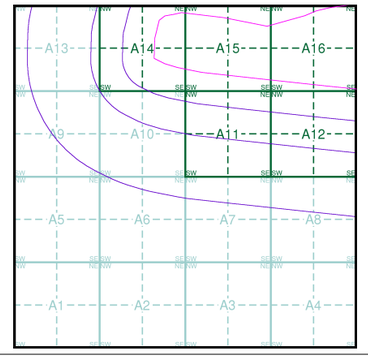
Source map scale - 1:10,560

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)

025SW 1946 1:10,560	025SE 1938 1:10,560
037NW 1938 1:10,560	037NE 1938 1:10,560

Historical Map - Slice A



Order Details

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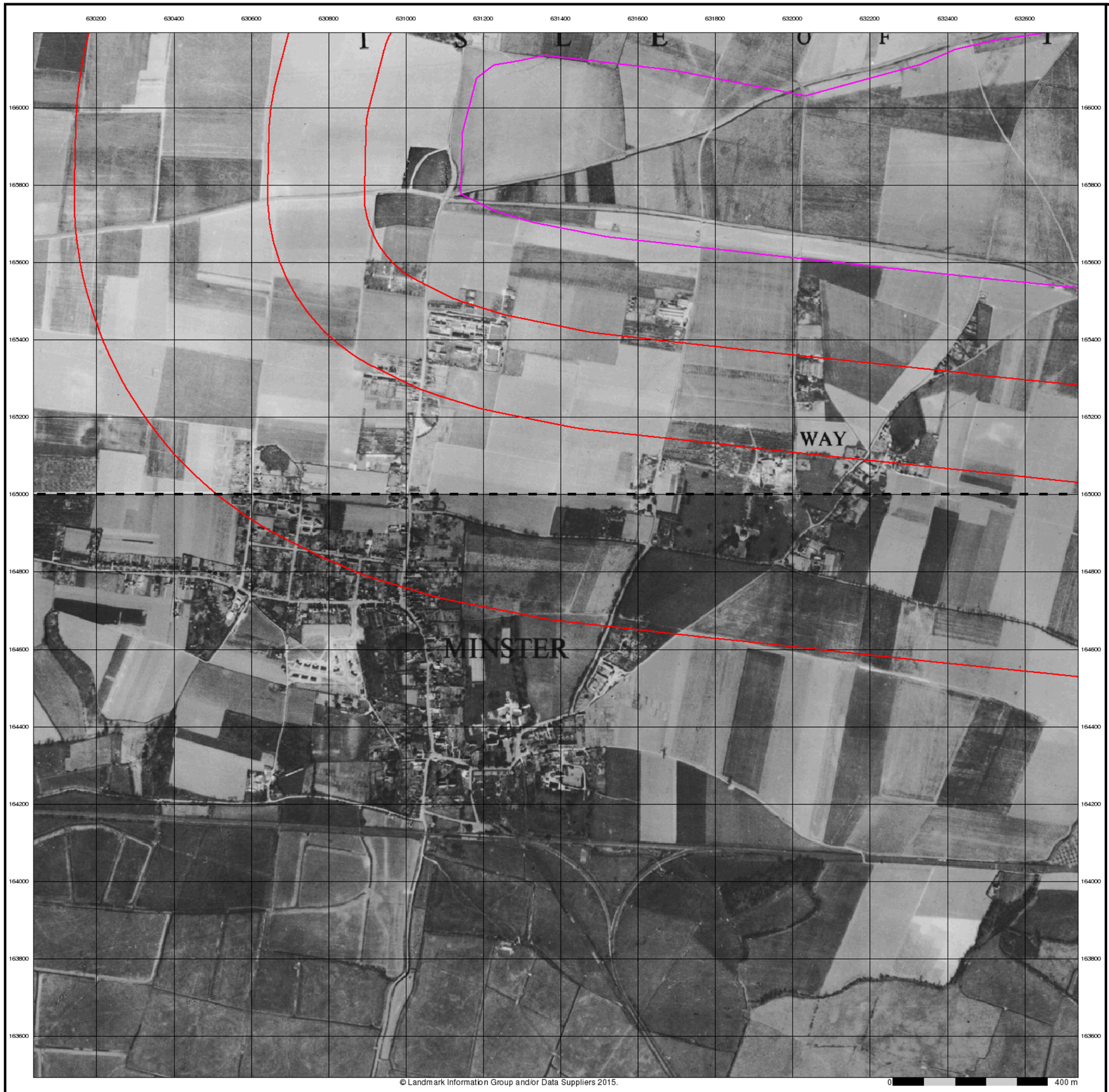

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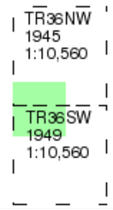
Historical Aerial Photography

Published 1945 - 1949

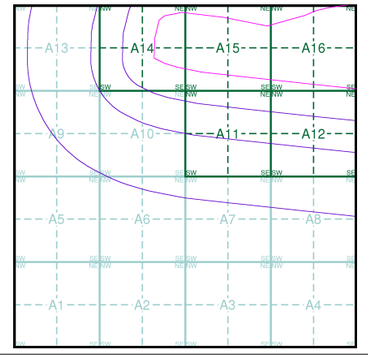
Source map scale - 1:10,560

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.

Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



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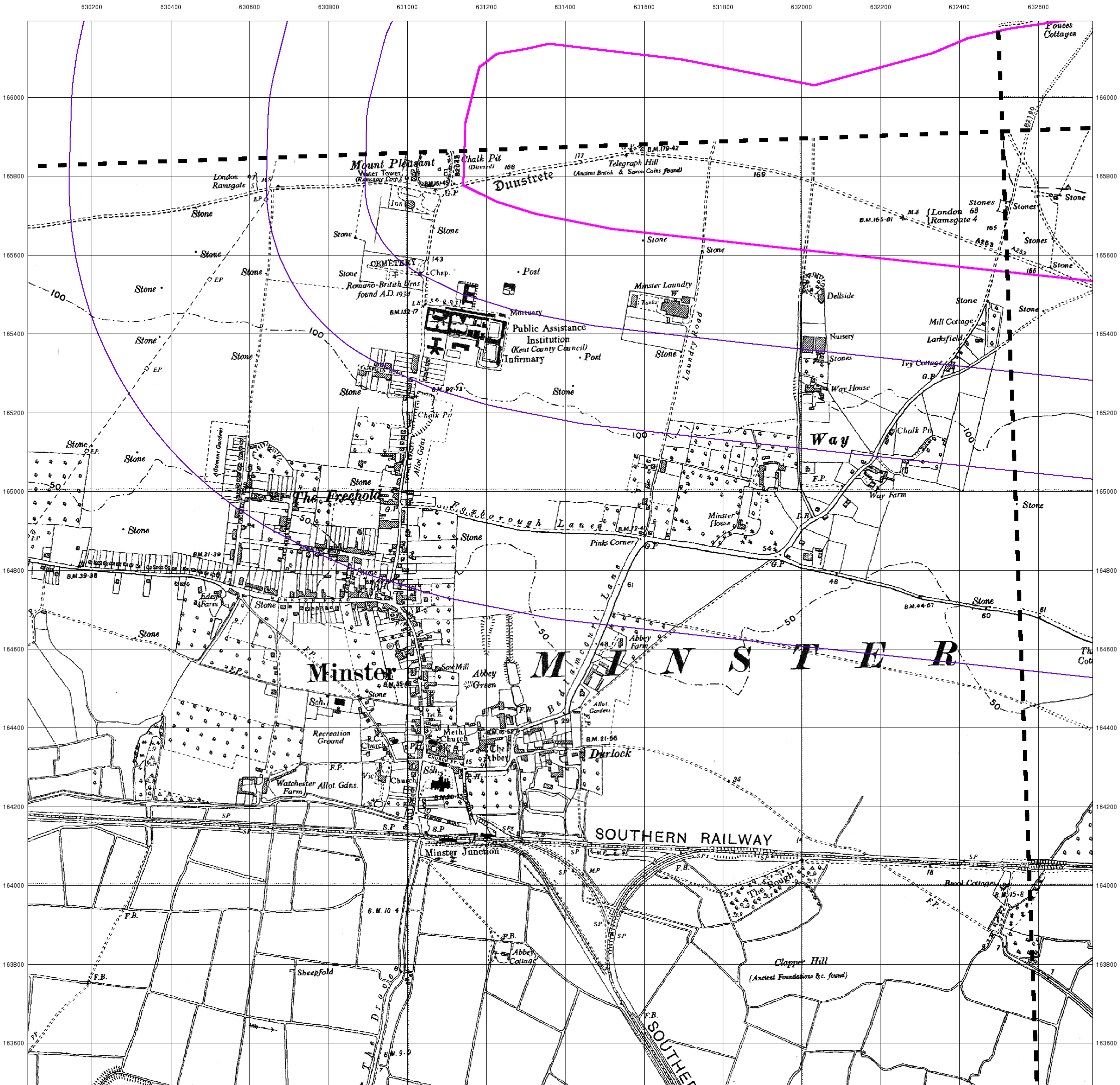

Envirocheck®

Kent

Published 1948 - 1951

Source map scale - 1:10,560

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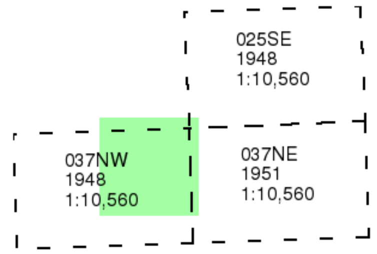
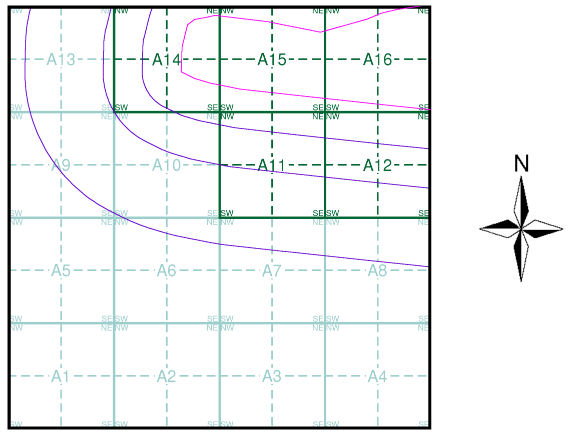
Map Name(s) and Date(s)



Historical Map - Slice A



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Historical Aerial Photography

Published 1948 - 1949

Source map scale - 1:10,560

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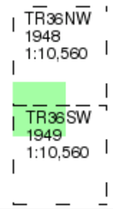
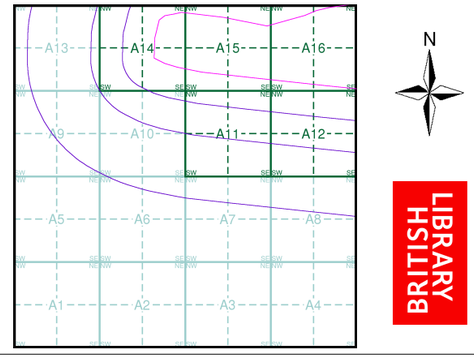


Historical Aerial Photography - Slice A



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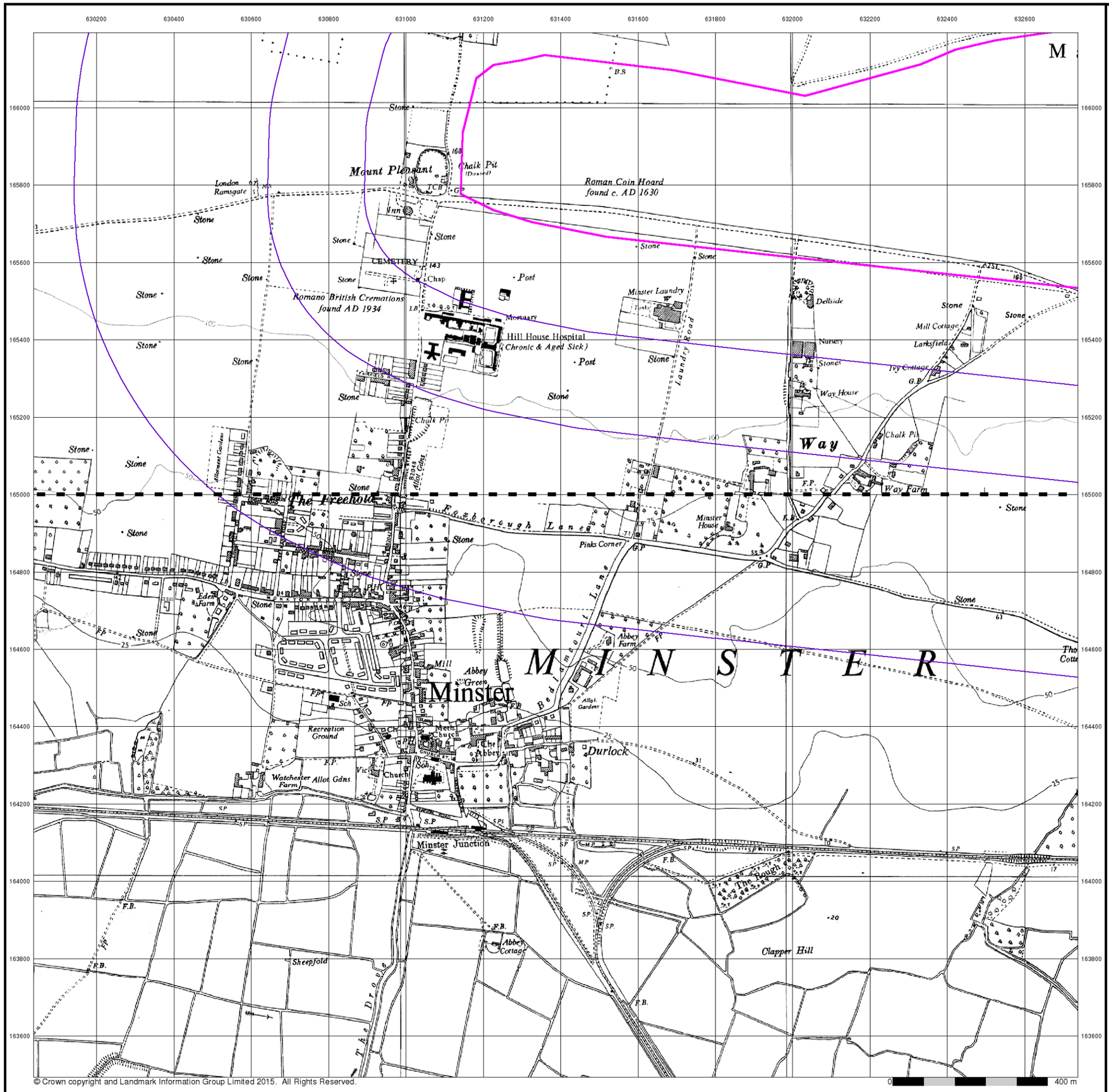

Envirocheck®

Ordnance Survey Plan

Published 1960 - 1961

Source map scale - 1:10,000

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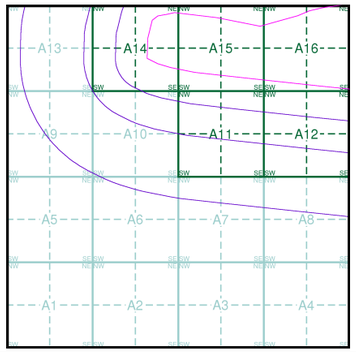
Map Name(s) and Date(s)

TR36NW
1961
1:10,560

TR36SW
1960
1:10,560

Historical Map - Slice A



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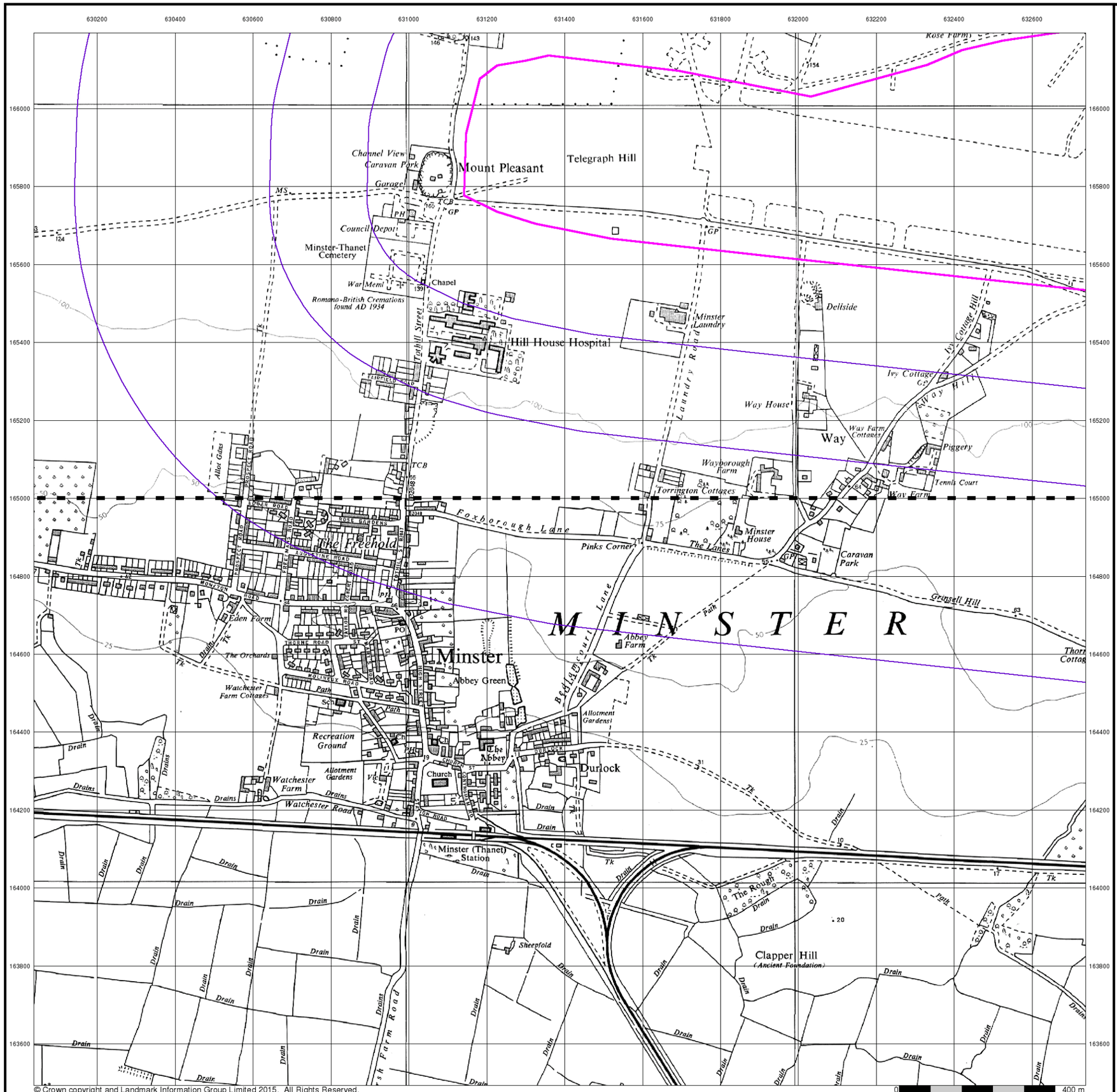

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Ordnance Survey Plan

Published 1968

Source map scale - 1:10,000

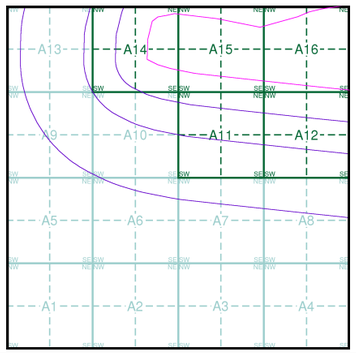
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

TR36NW 1968 1:10,560

TR36SW 1968 1:10,560

Historical Map - Slice A



Order Details

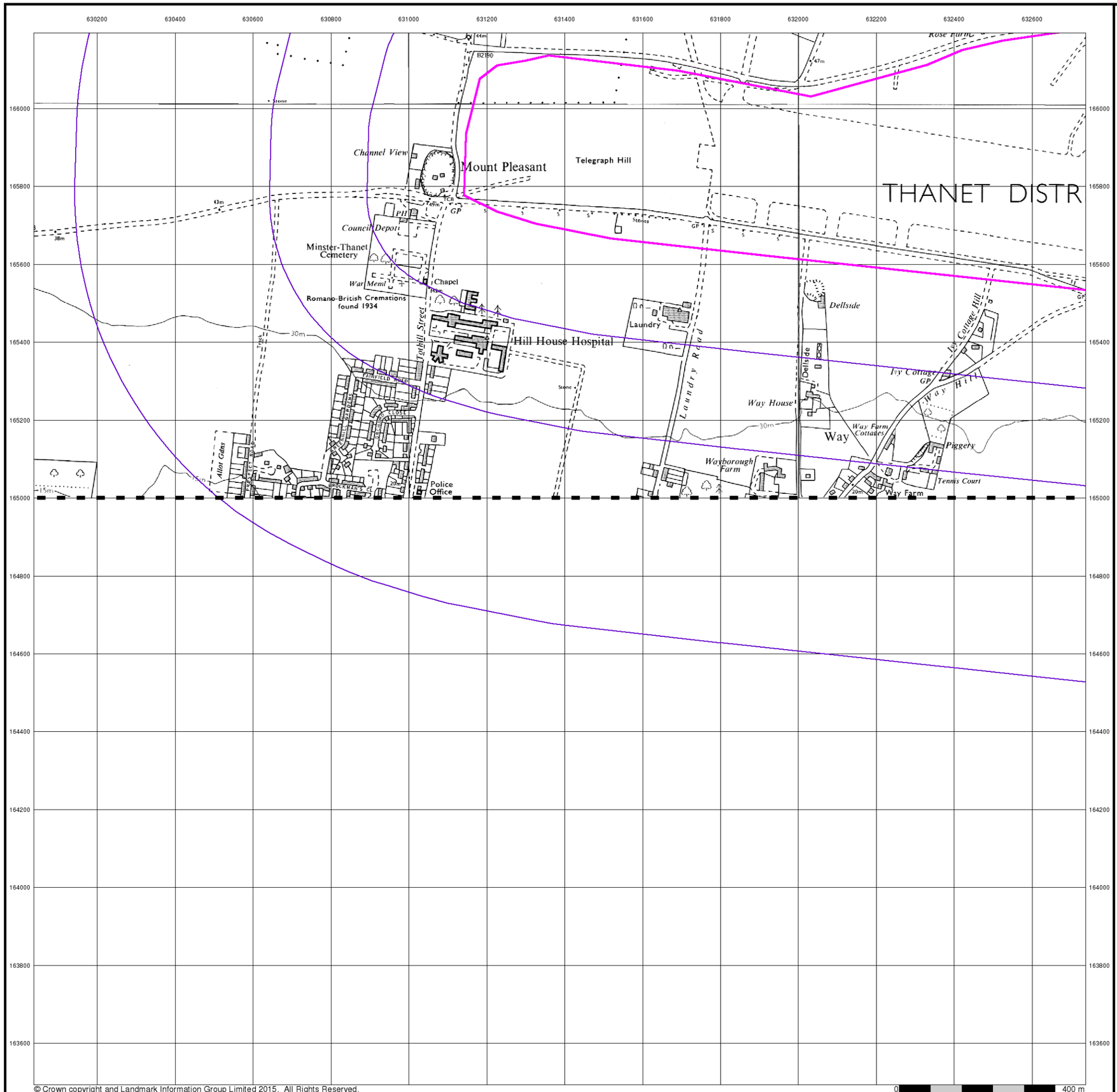
Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

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



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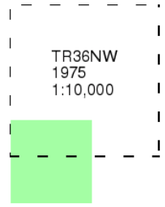
Ordnance Survey Plan

Published 1975

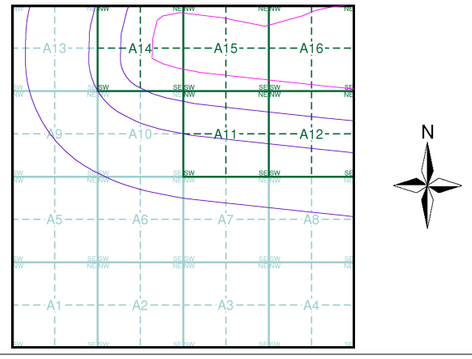
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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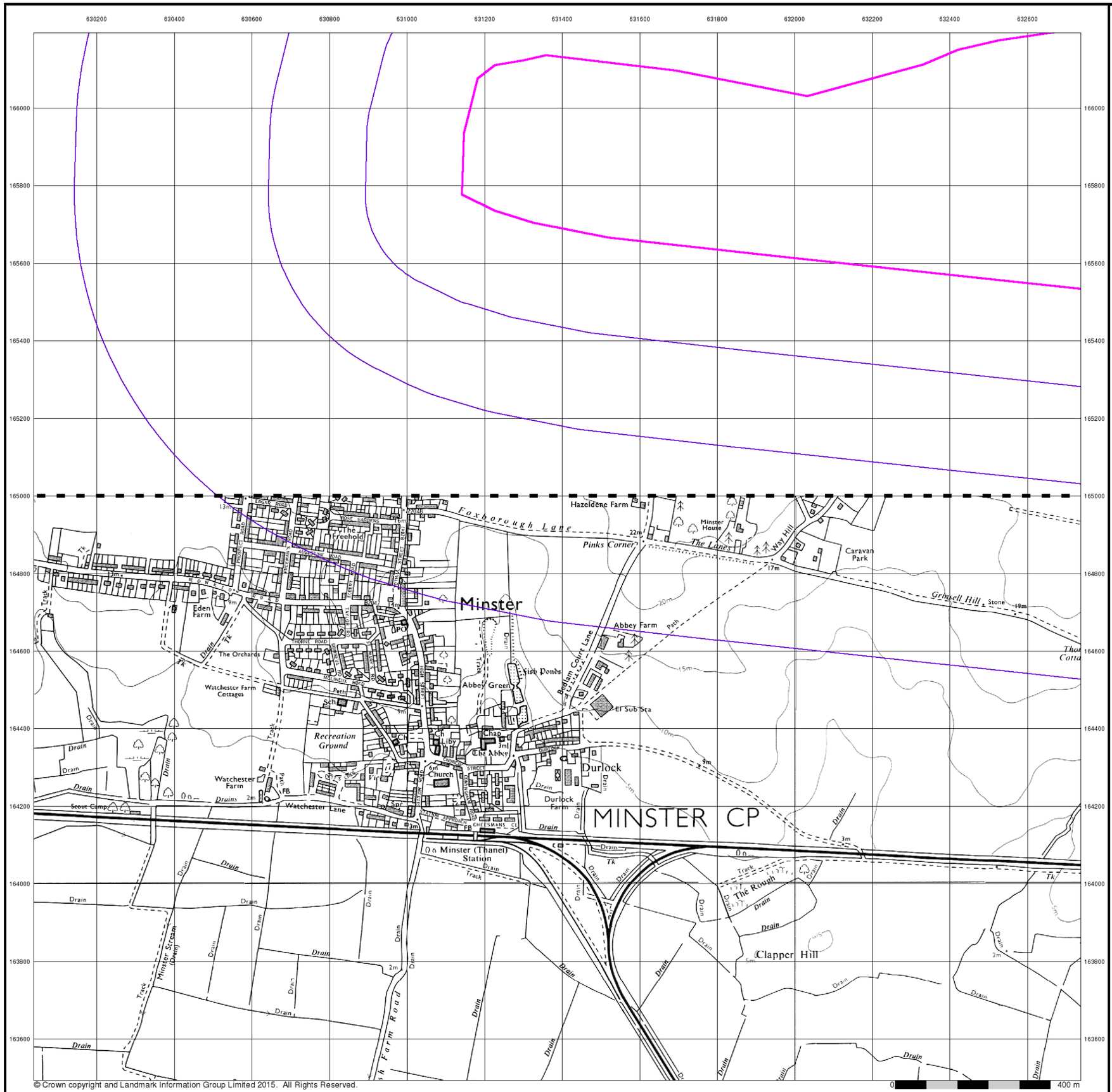

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Ordnance Survey Plan

Published 1982

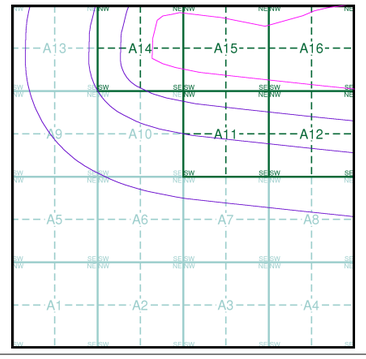
Source map scale - 1:10,000

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)

TR36SW
1982
1:10,000

Historical Map - Slice A



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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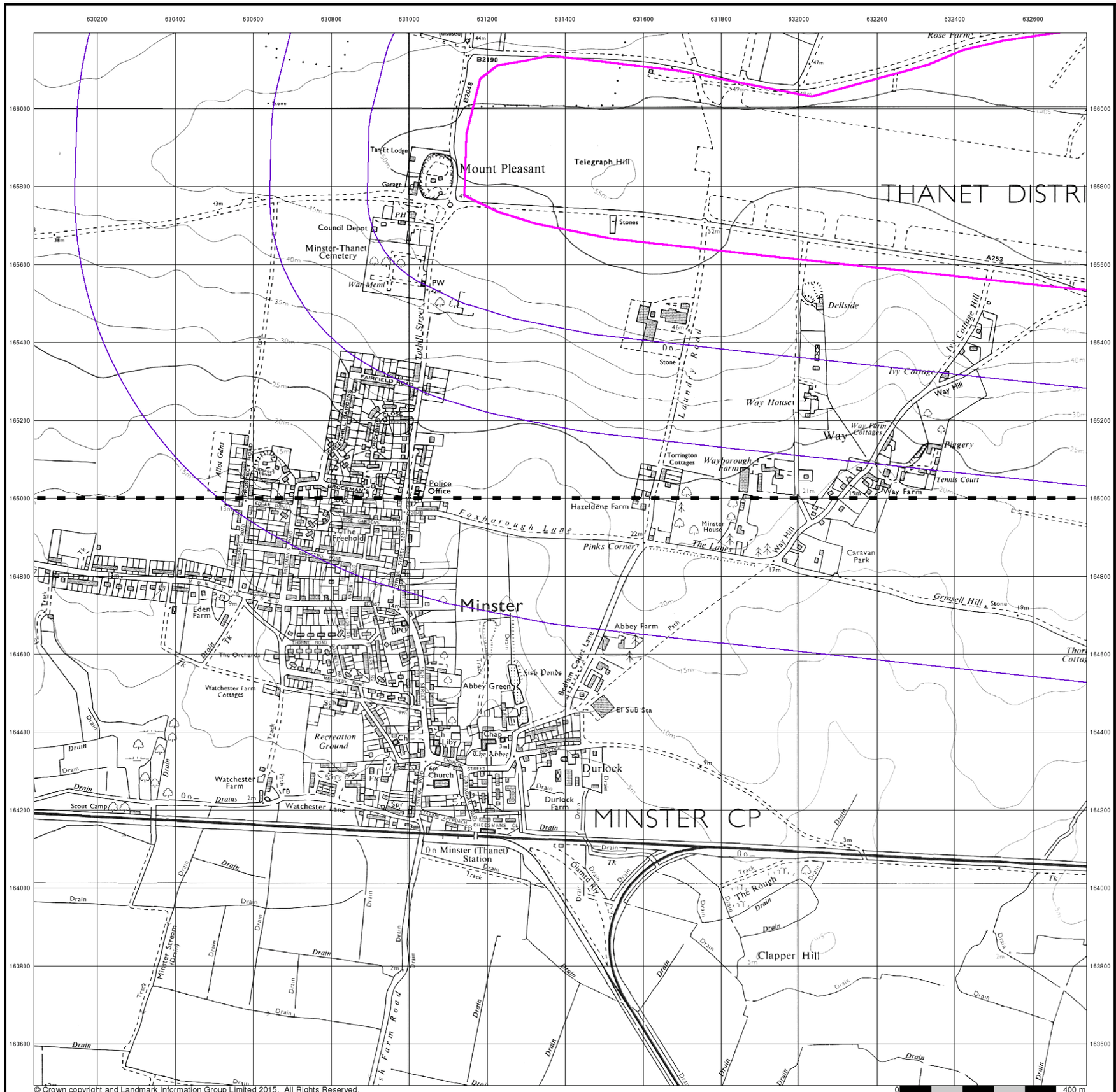

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Ordnance Survey Plan

Published 1990 - 1991

Source map scale - 1:10,000

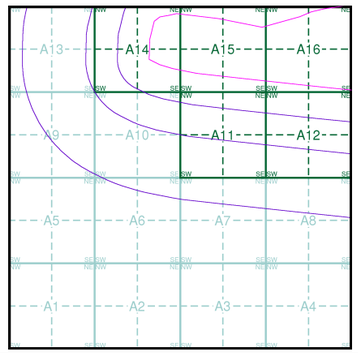
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

TR36NW
1991
1:10,000

TR36SW
1990
1:10,000

Historical Map - Slice A



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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Envirocheck®

10k Raster Mapping

Published 2006

Source map scale - 1:10,000

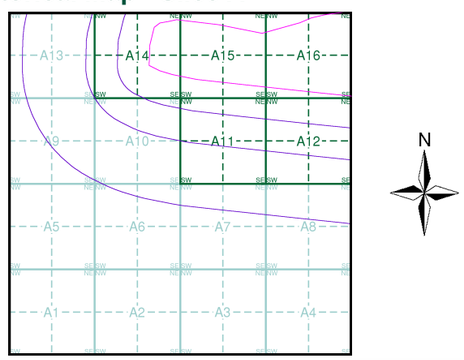
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks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

TR36NW
2006
1:10,000

TR36SW
2006
1:10,000

Historical Map - Slice A



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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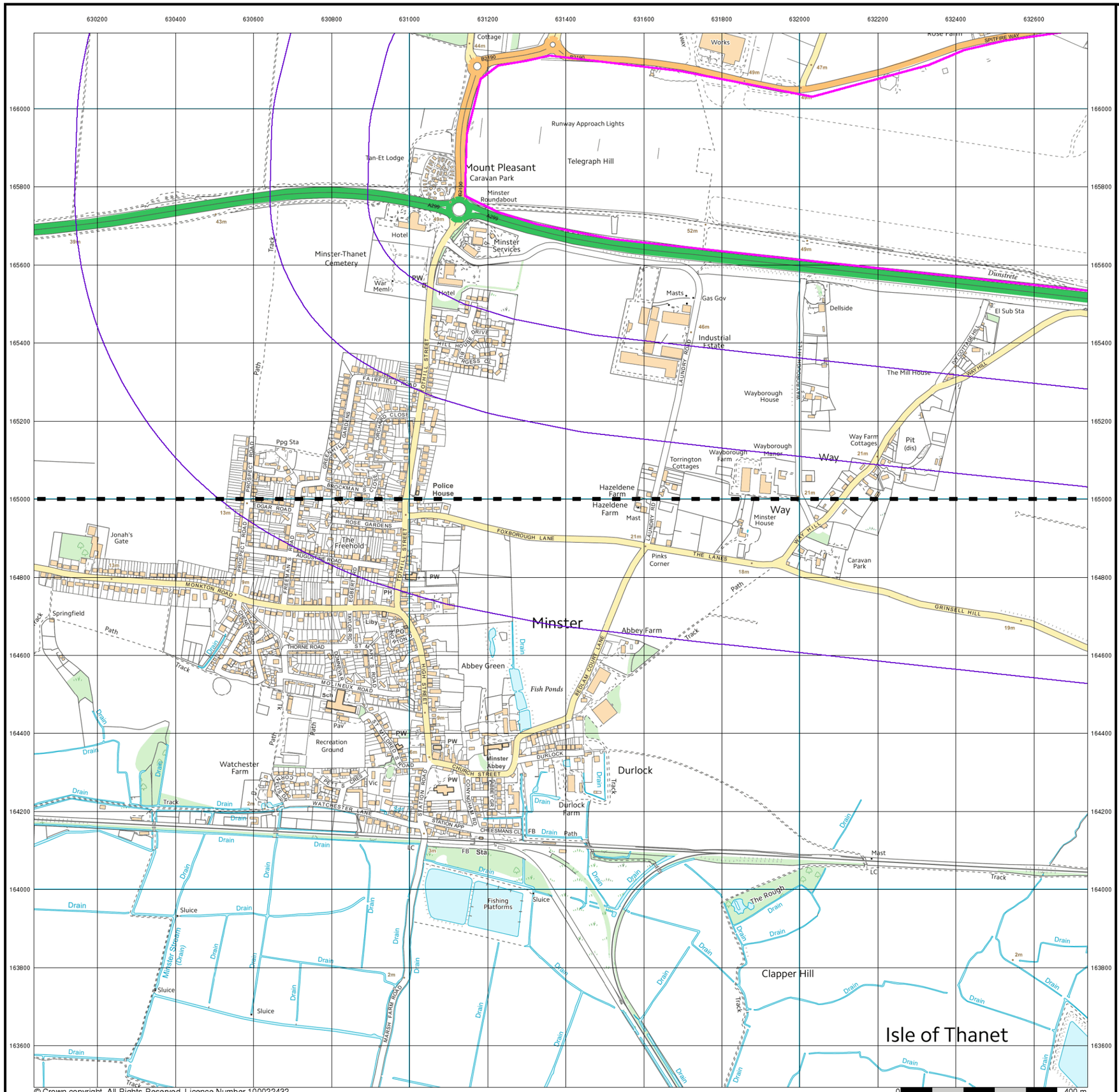


Envirocheck®

VectorMap Local

Published 2016

Source map scale - 1:10,000

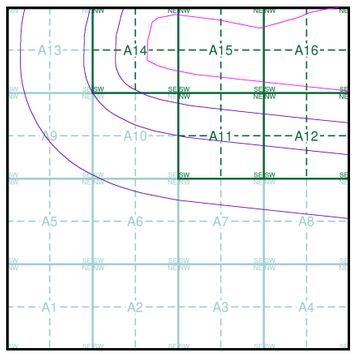
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap 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)

TR36NW
2016
Variable

TR36SW
2016
Variable

Historical Map - Slice A



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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Envirocheck®

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

Geological

BGS Recorded Mineral Site

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry

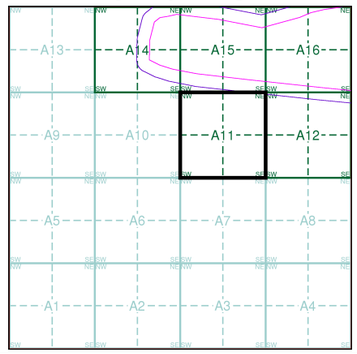
Waste

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
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

Site Sensitivity Map - Segment A11



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39

Site Details

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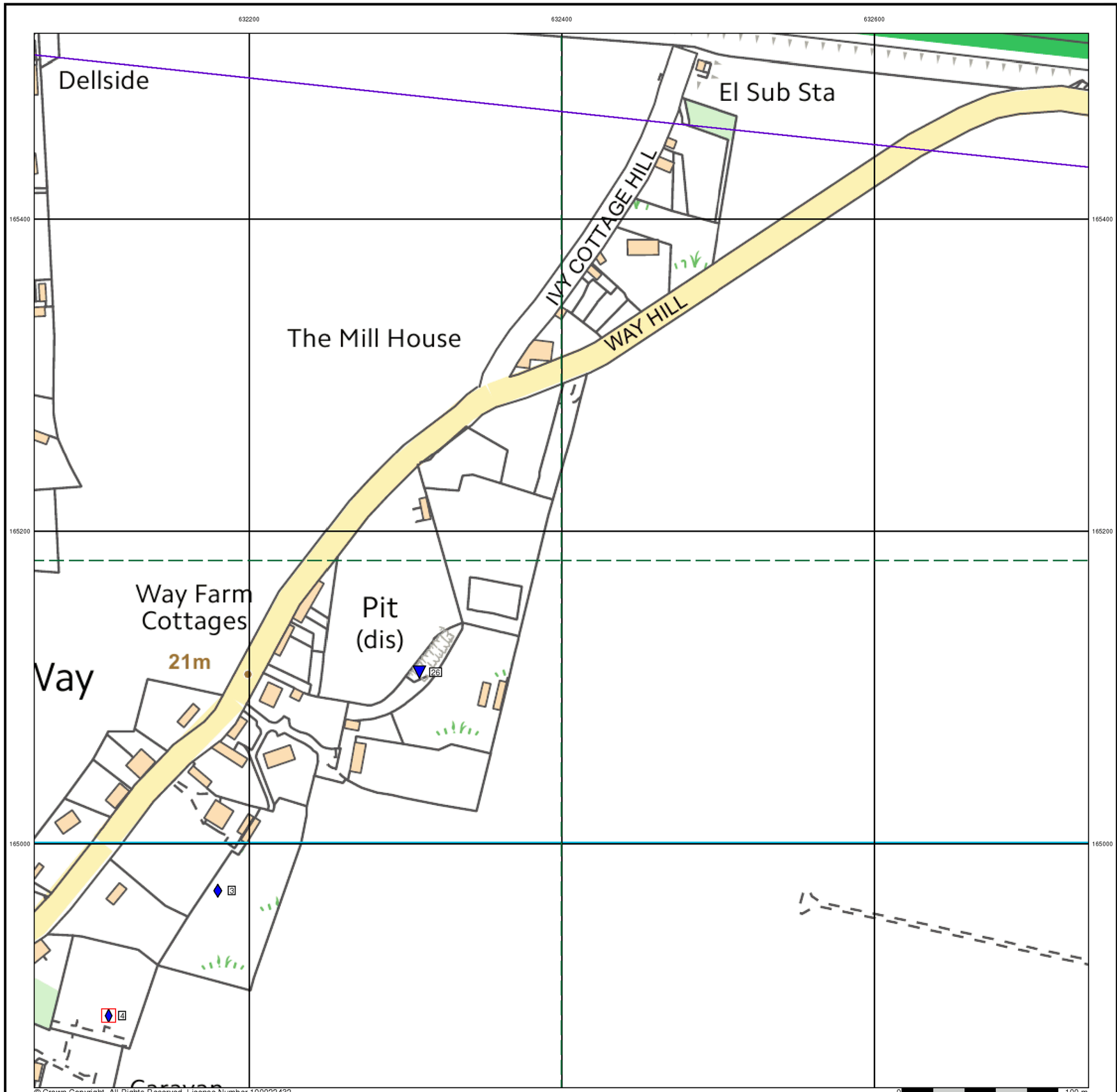


Envirocheck®

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

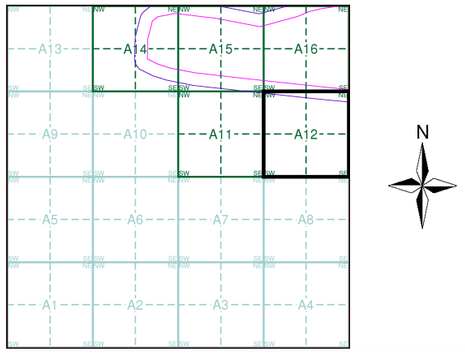
Waste

- 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
- 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

Site Sensitivity Map - Segment A12



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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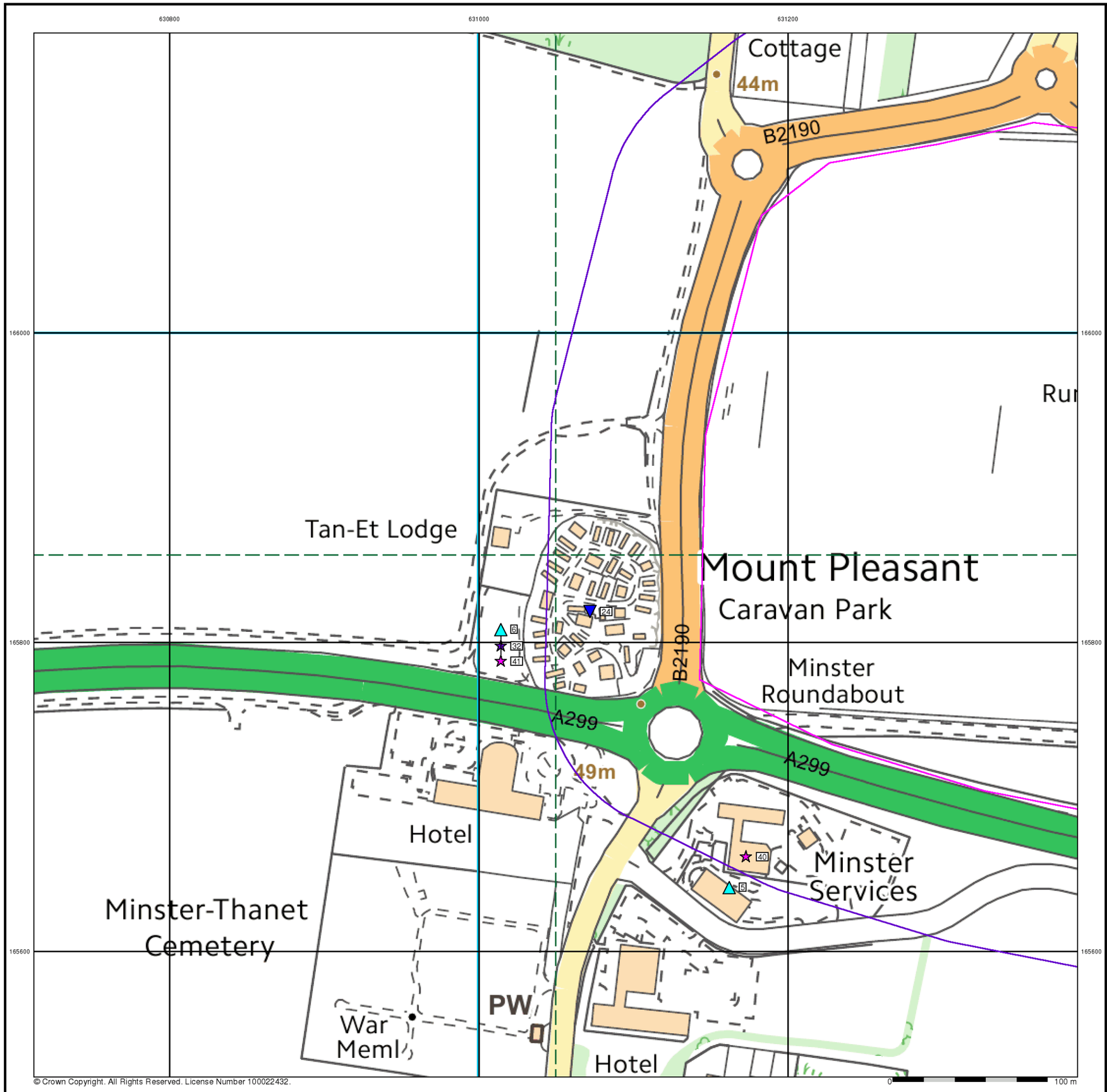


Envirocheck®

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

Geological

BGS Recorded Mineral Site

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry

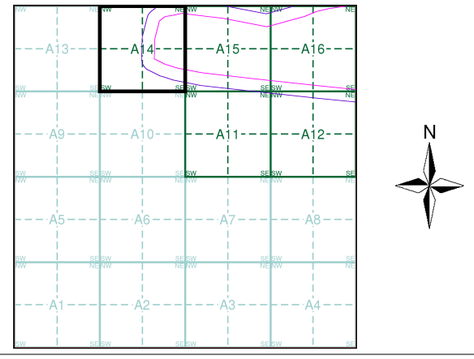
Waste

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
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

Site Sensitivity Map - Segment A14



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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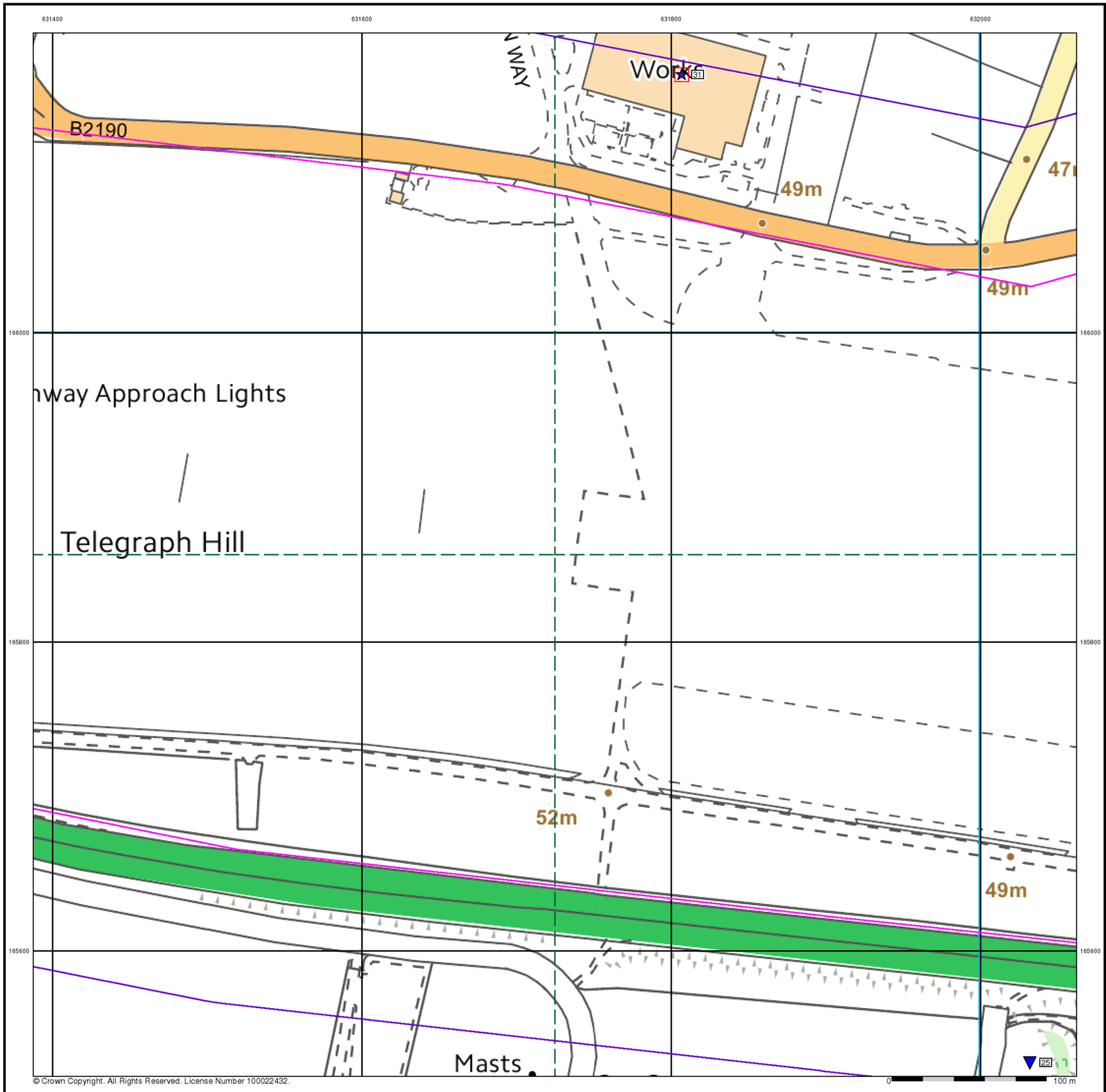


Envirocheck®

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

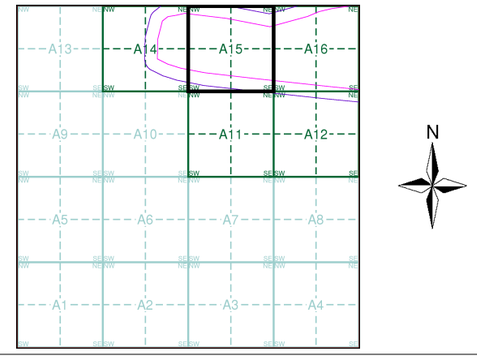
Waste

- 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
- 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

Site Sensitivity Map - Segment A15



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39

Site Details

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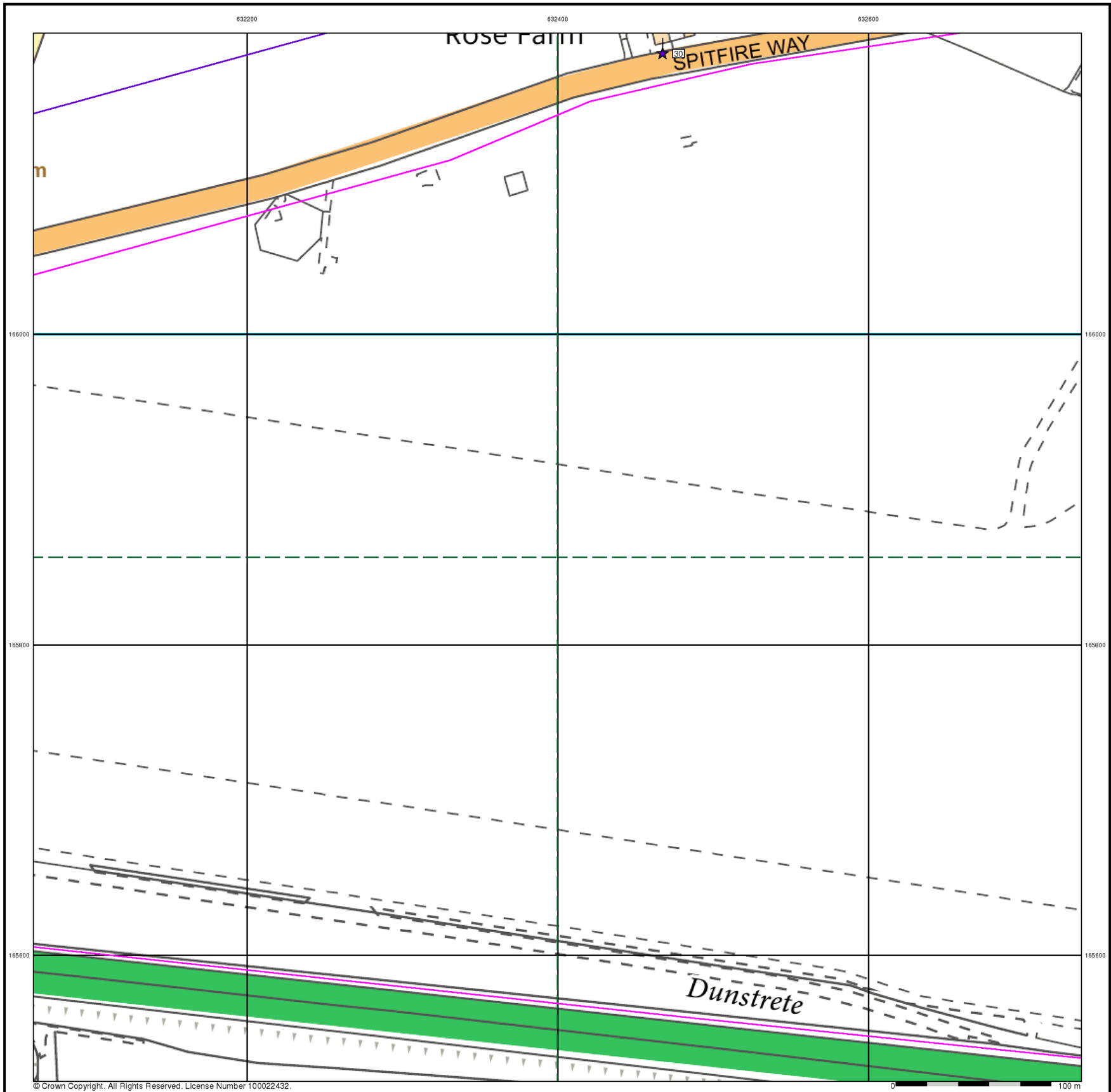


Envirocheck®

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

Geological

BGS Recorded Mineral Site

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry

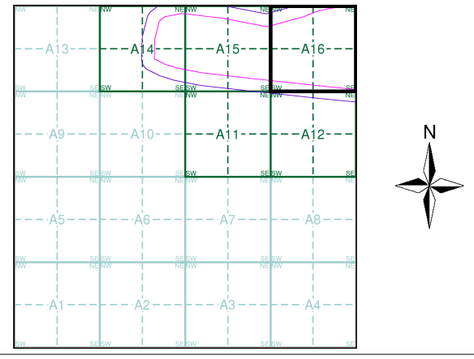
Waste

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
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

Site Sensitivity Map - Segment A16



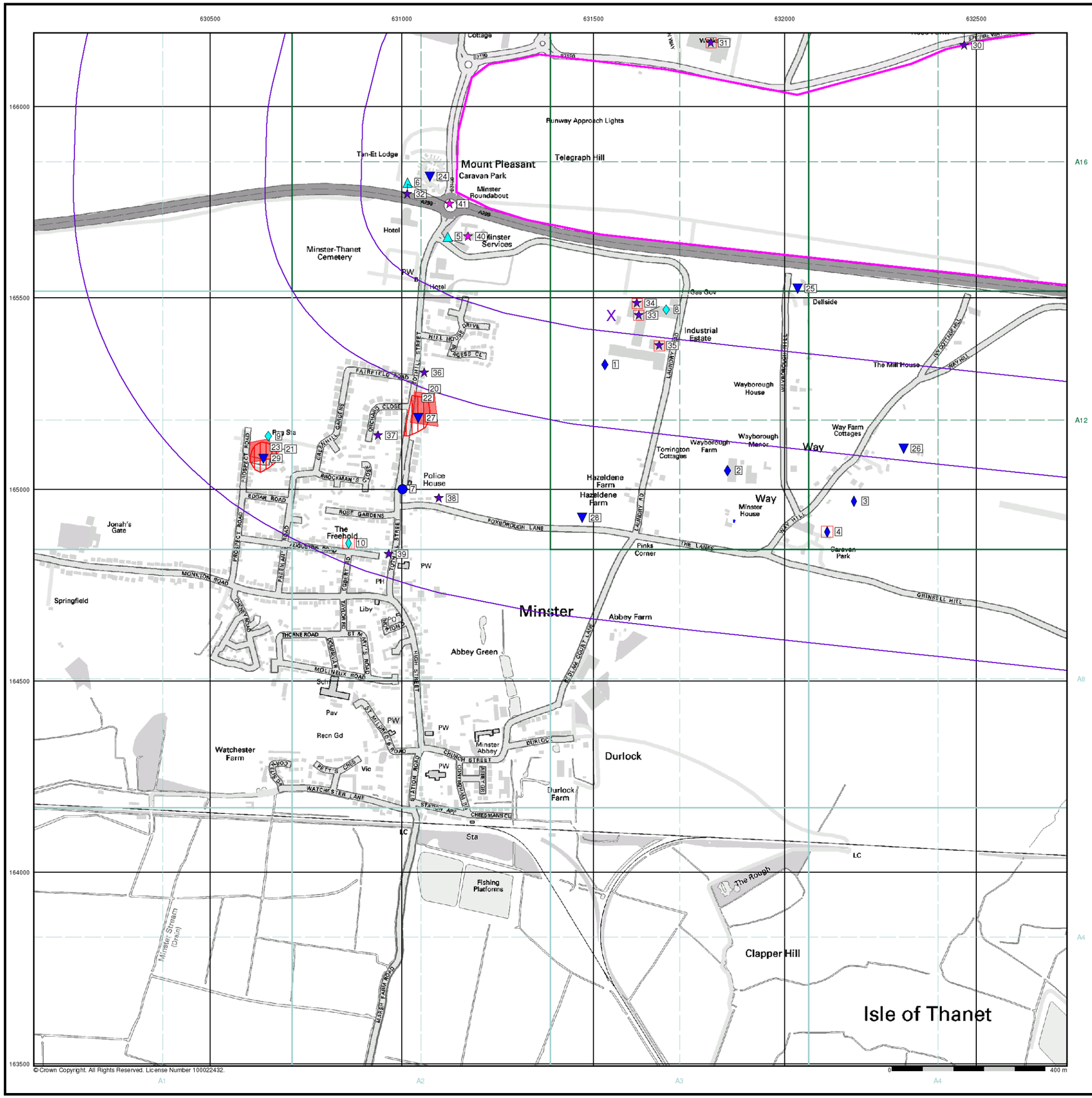
Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

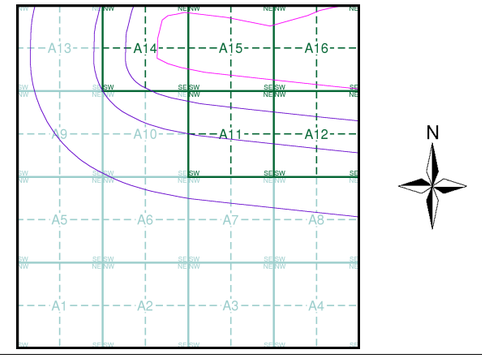
Waste

- 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
- 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

Site Sensitivity Map - Slice A



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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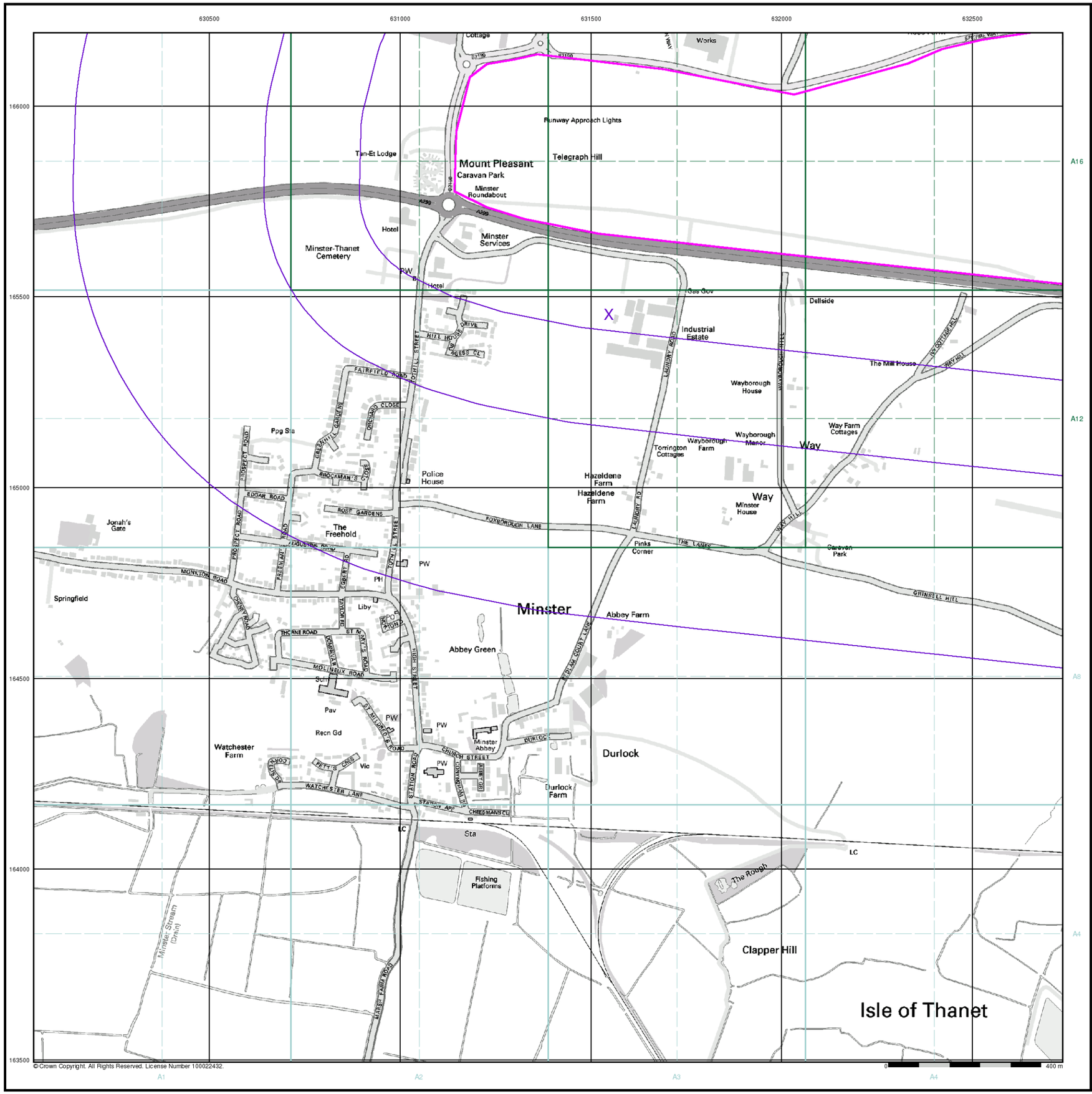


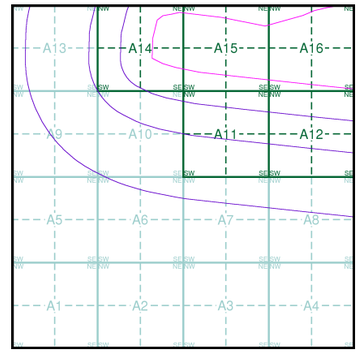
General

- Specified Site
- Specified Buffer(s)
- X 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



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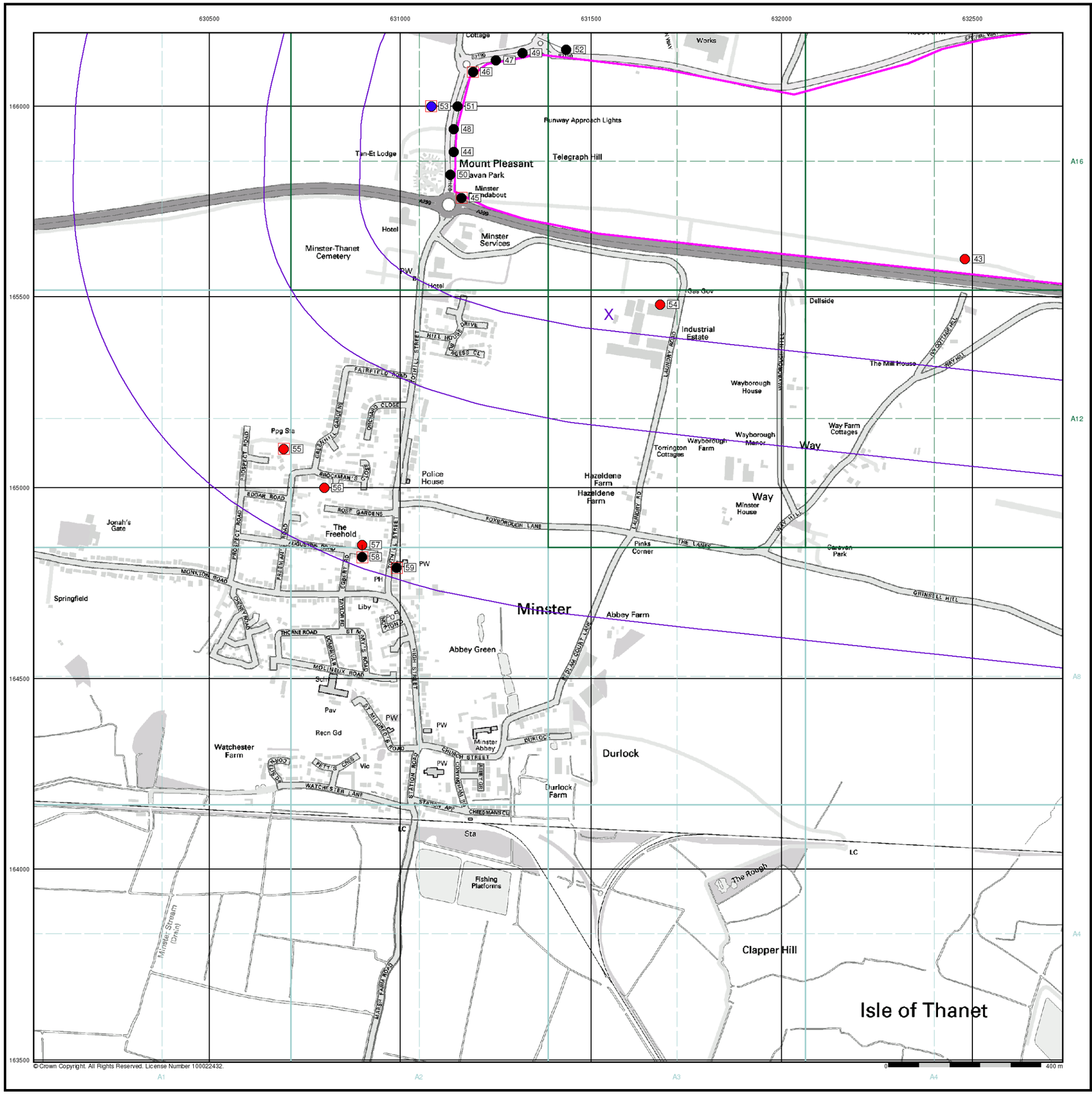

Envirocheck®

General

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- Bearing Reference Point
- Map ID
- Several of Type at Location

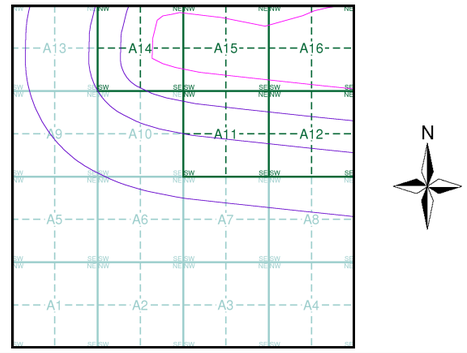
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



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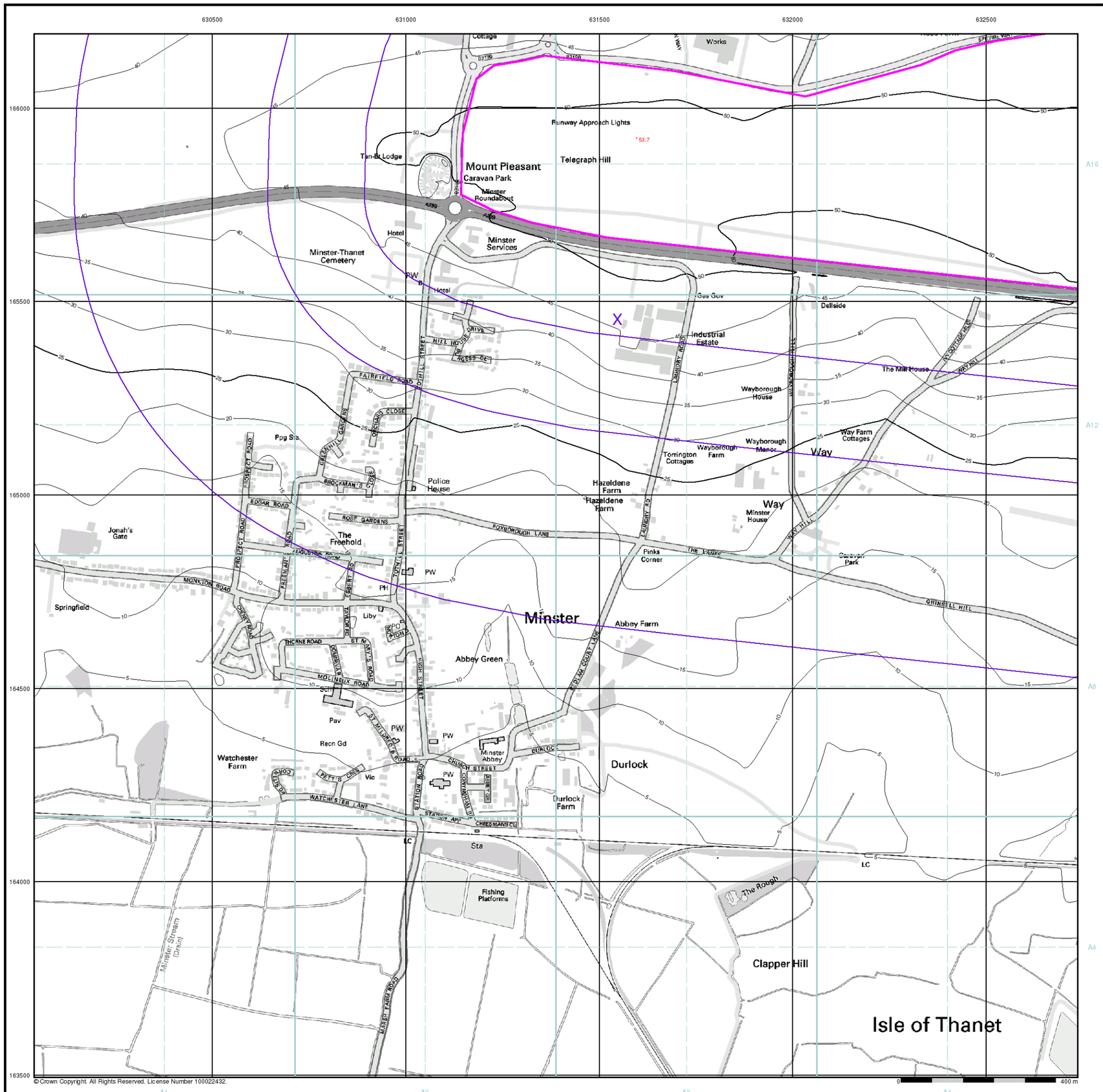


Envirocheck®

General

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

Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature

Contours (height in metres)

Standard Contour 105 100 95

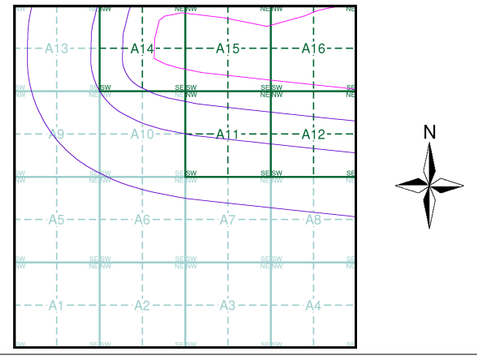
Master Contour

Spot Height 167.3

MLW Mean Low Water

MHW Mean High Water

EA/NRW Detailed River Network Map - Slice A



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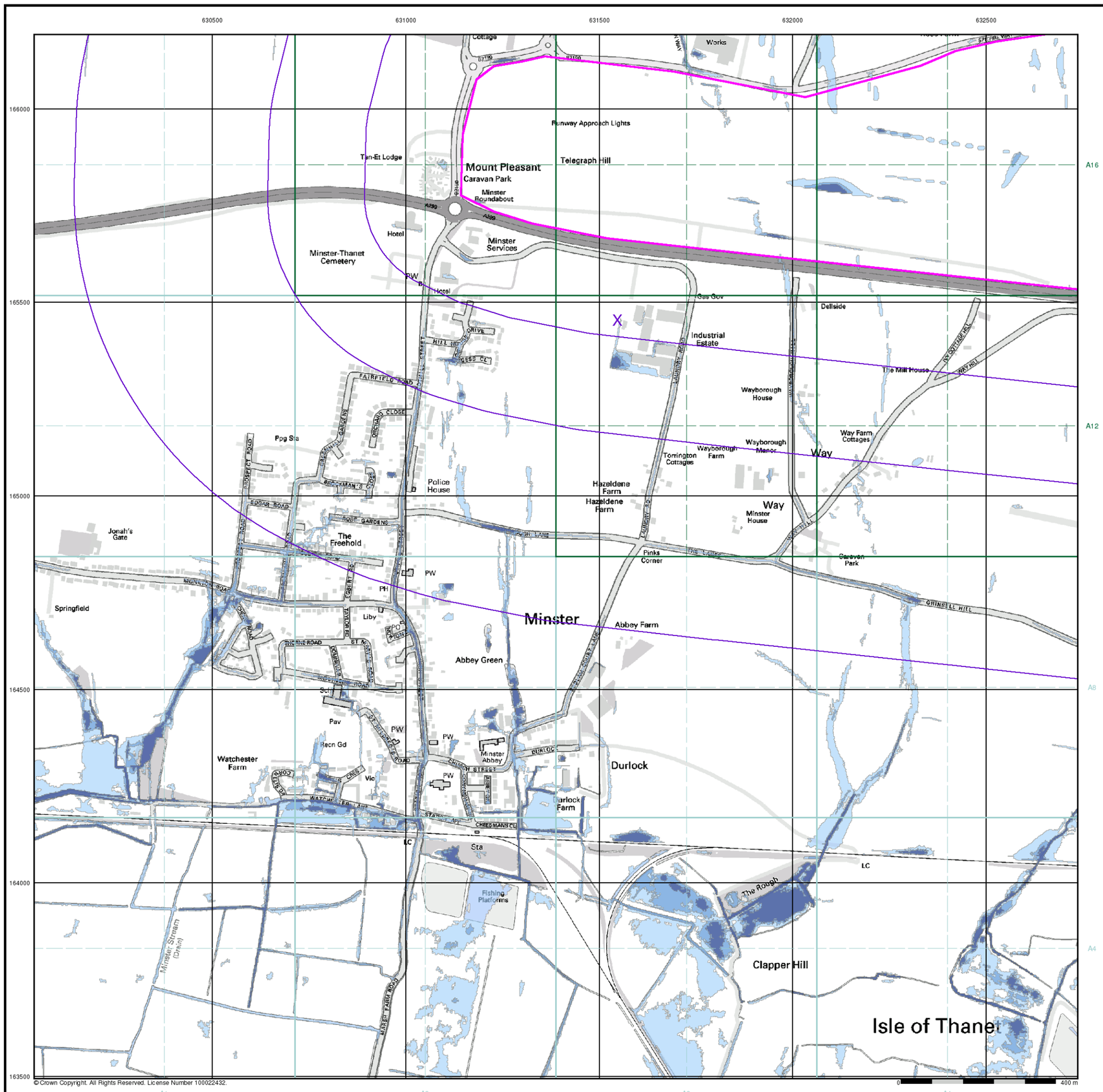


Envirocheck®

General

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

Risk of Flooding from Surface Water

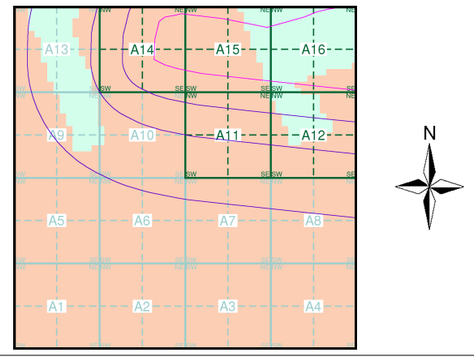
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



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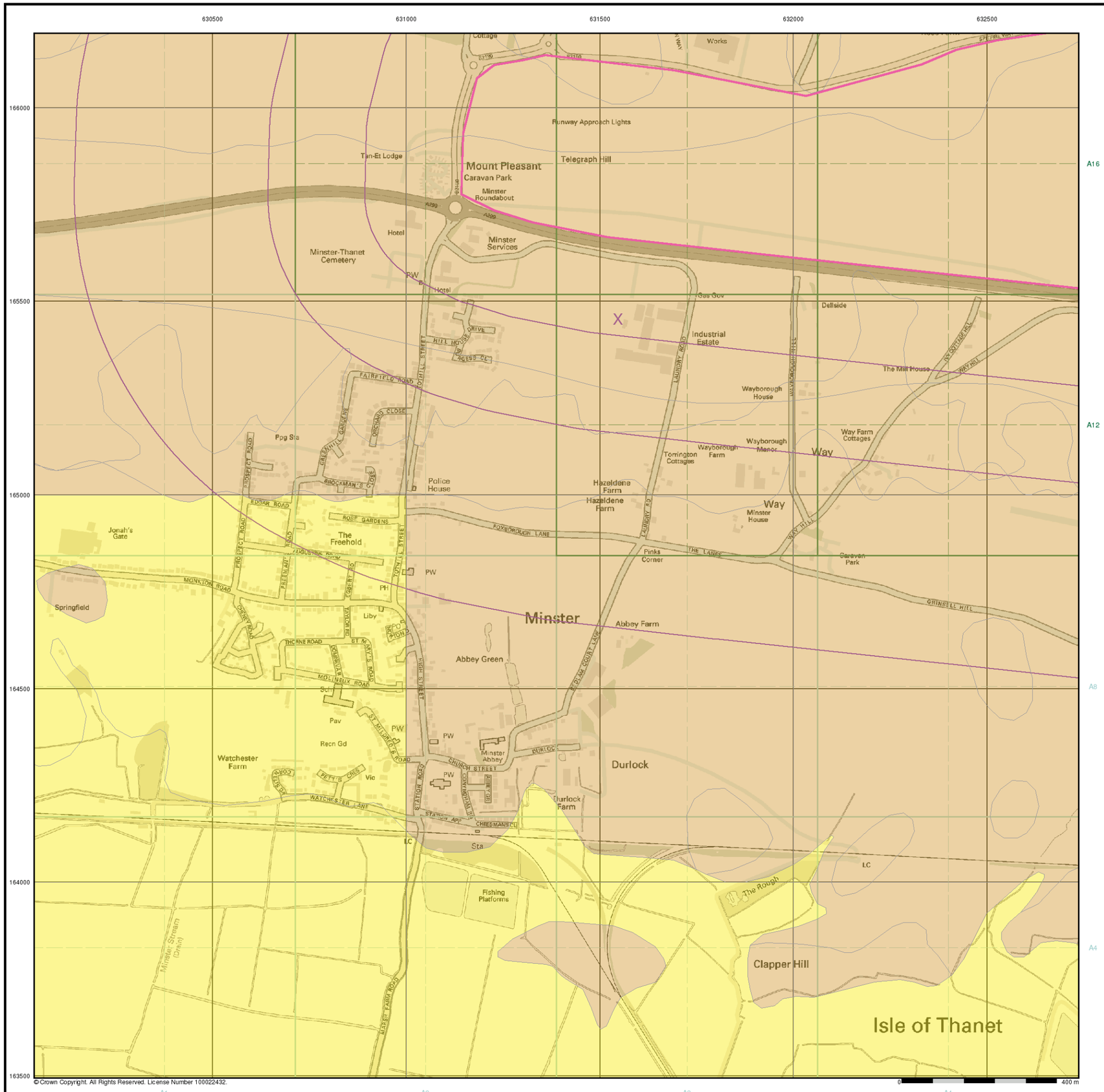


Envirocheck®

General

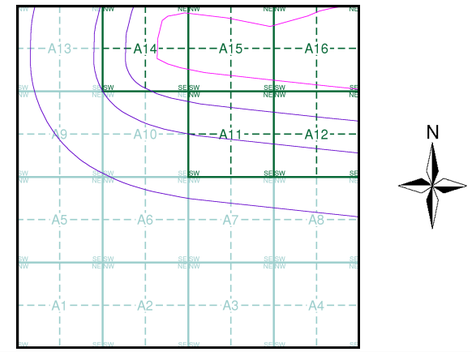
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



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General

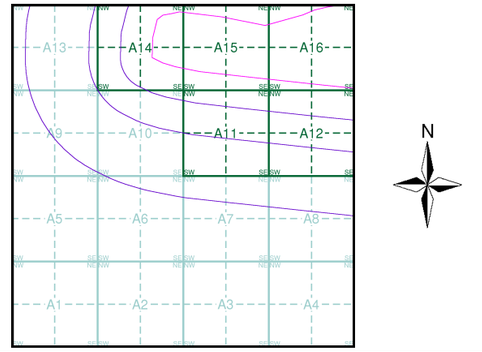
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice A



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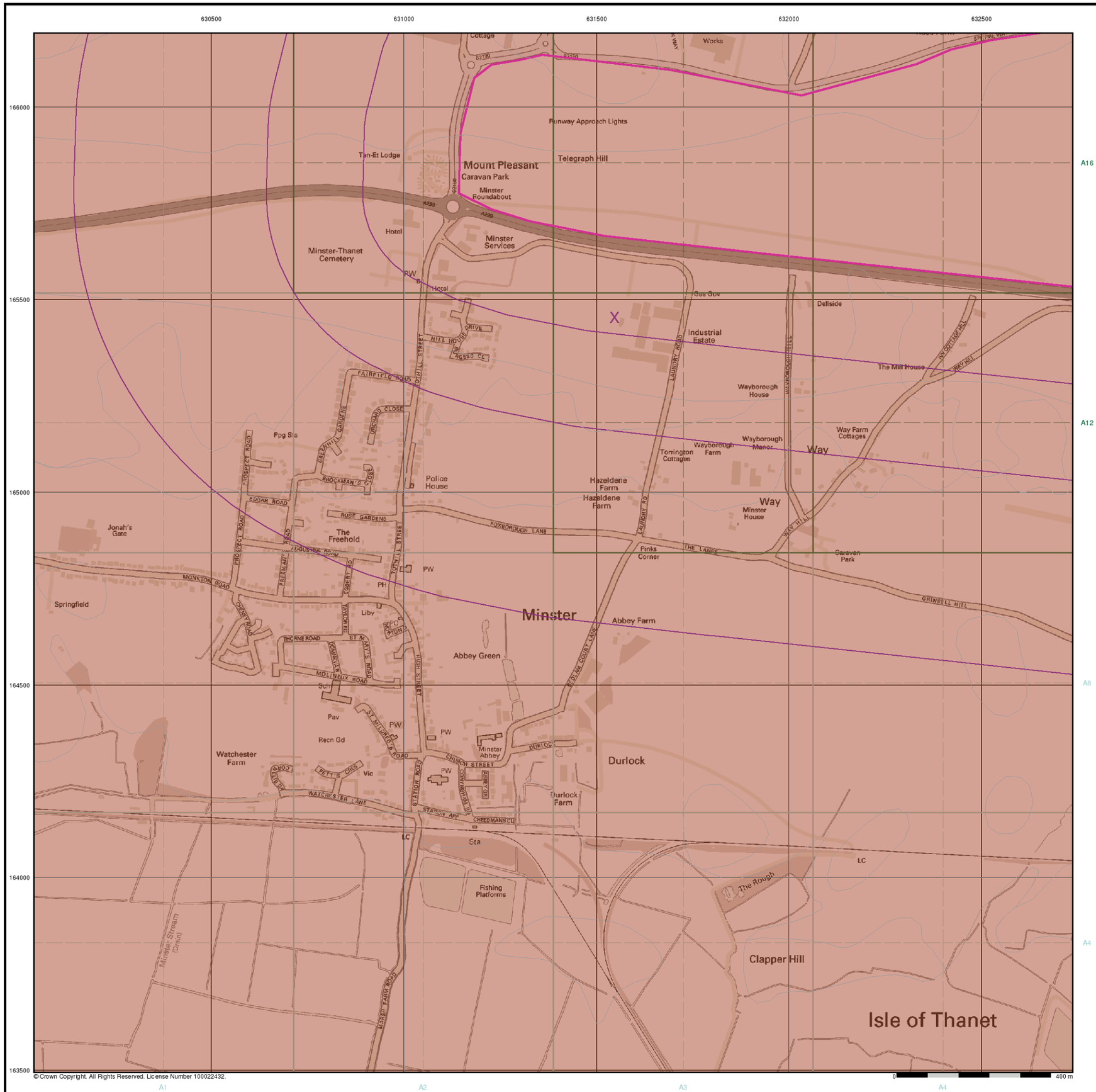

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General

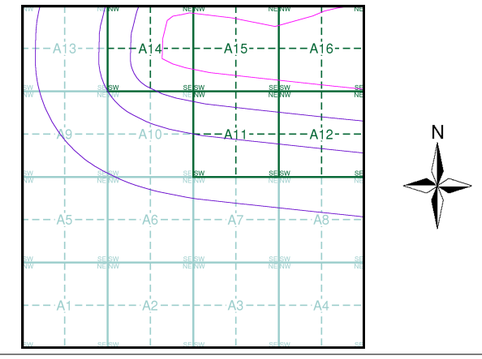
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



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General

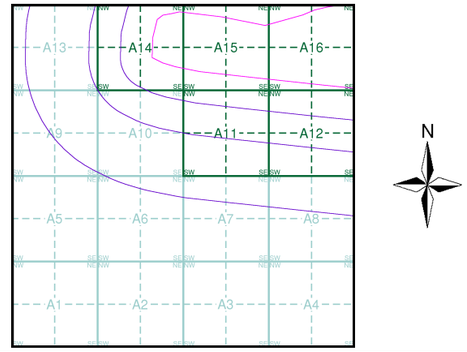
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- < 150
- 150 - 300
- 300 - 600
- 600 - 900
- > 900

Estimated Soil Chemistry Lead - Slice A



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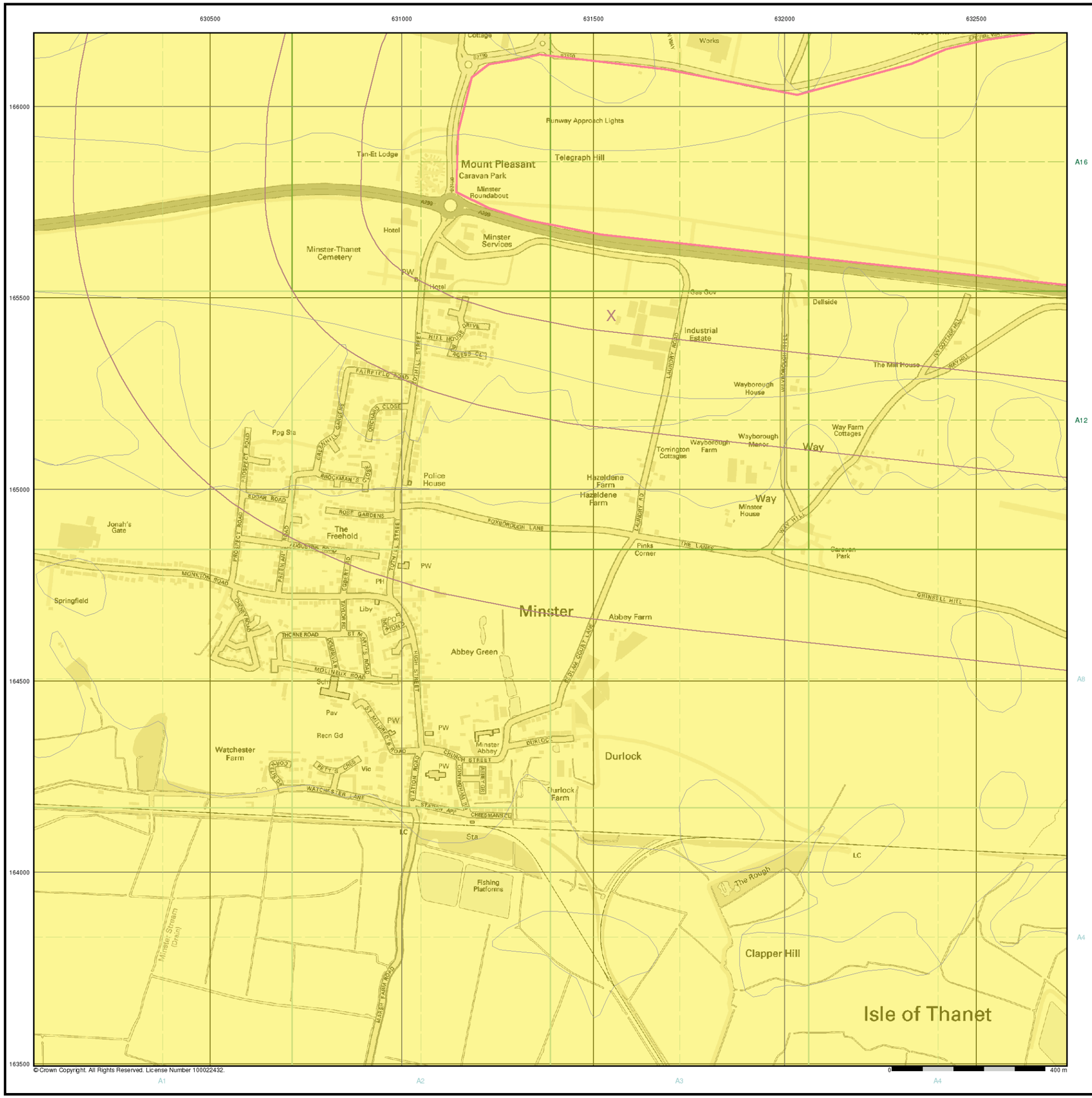

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General

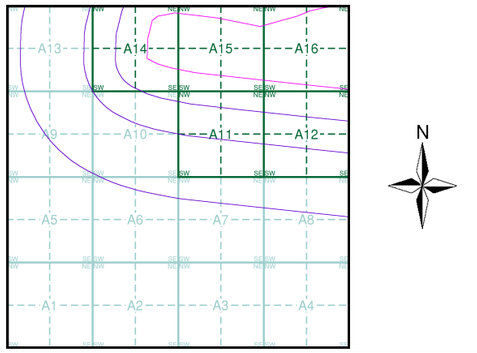
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



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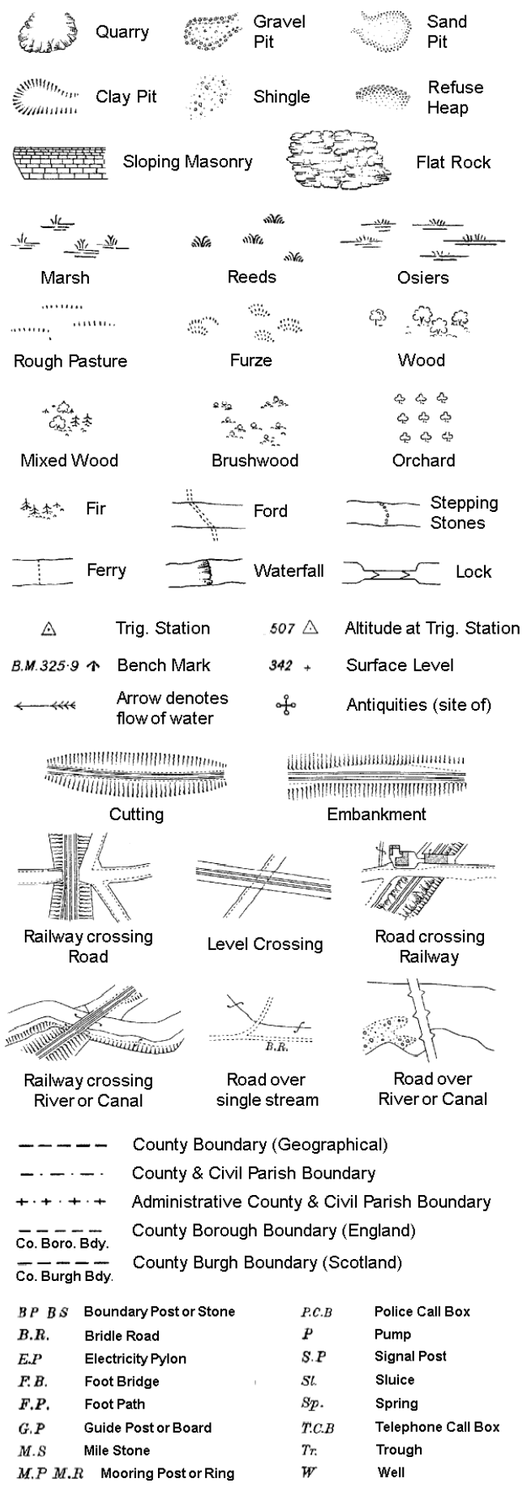
Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

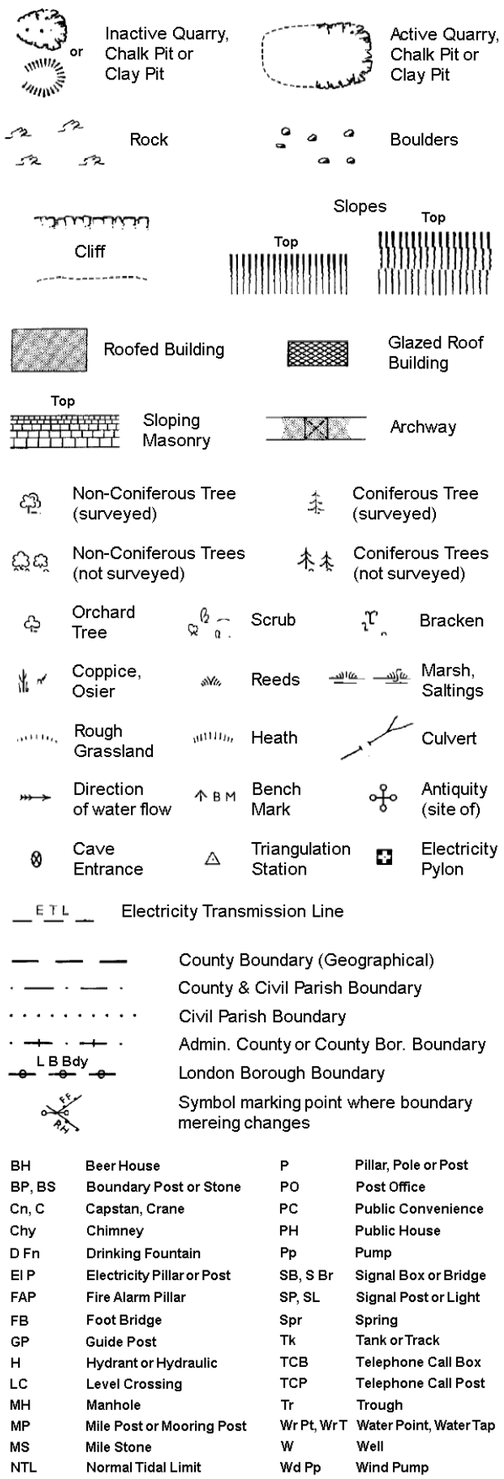
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

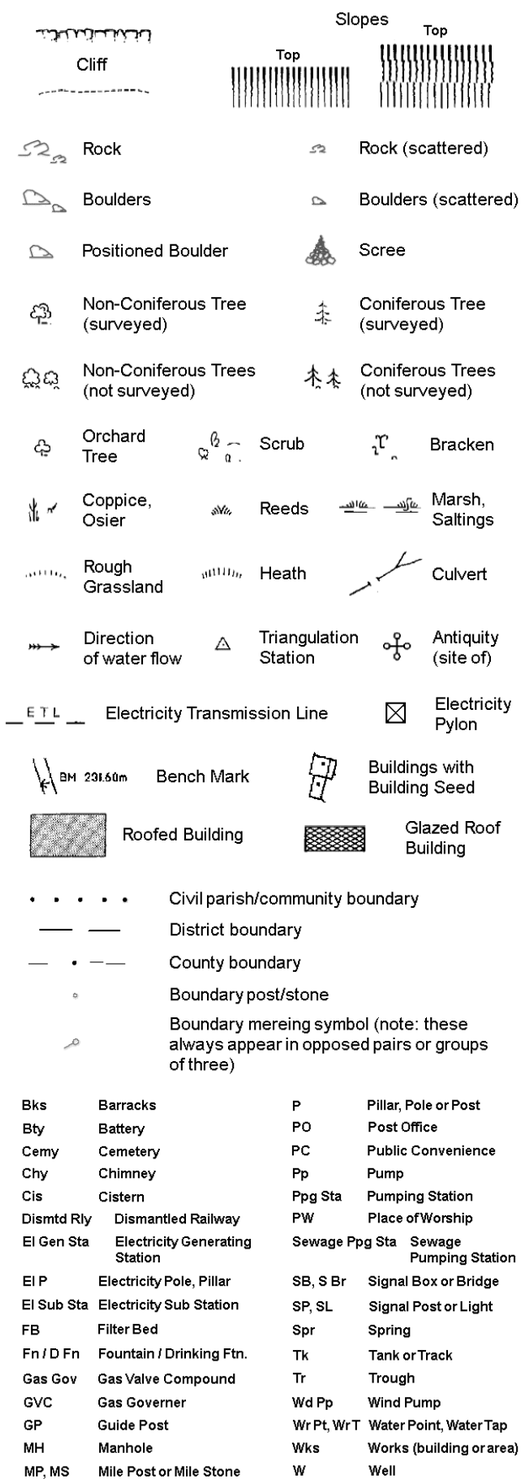
Admin. County or County Bor. Boundary

L B Bdy 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
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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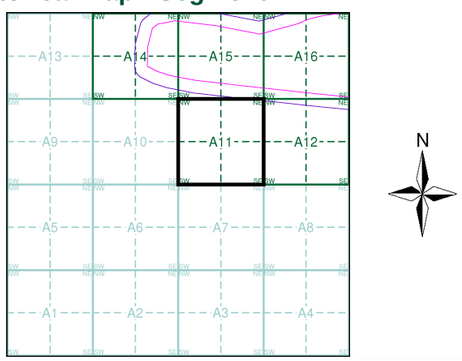
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Ordnance Survey Plan	1:2,500	1968 - 1969	7
Supply of Unpublished Survey Information	1:2,500	1973	8
Additional SIMs	1:2,500	1977 - 1989	9
Additional SIMs	1:2,500	1979	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1995	12
Large-Scale National Grid Data	1:2,500	1996	13

Historical Map - Segment A11



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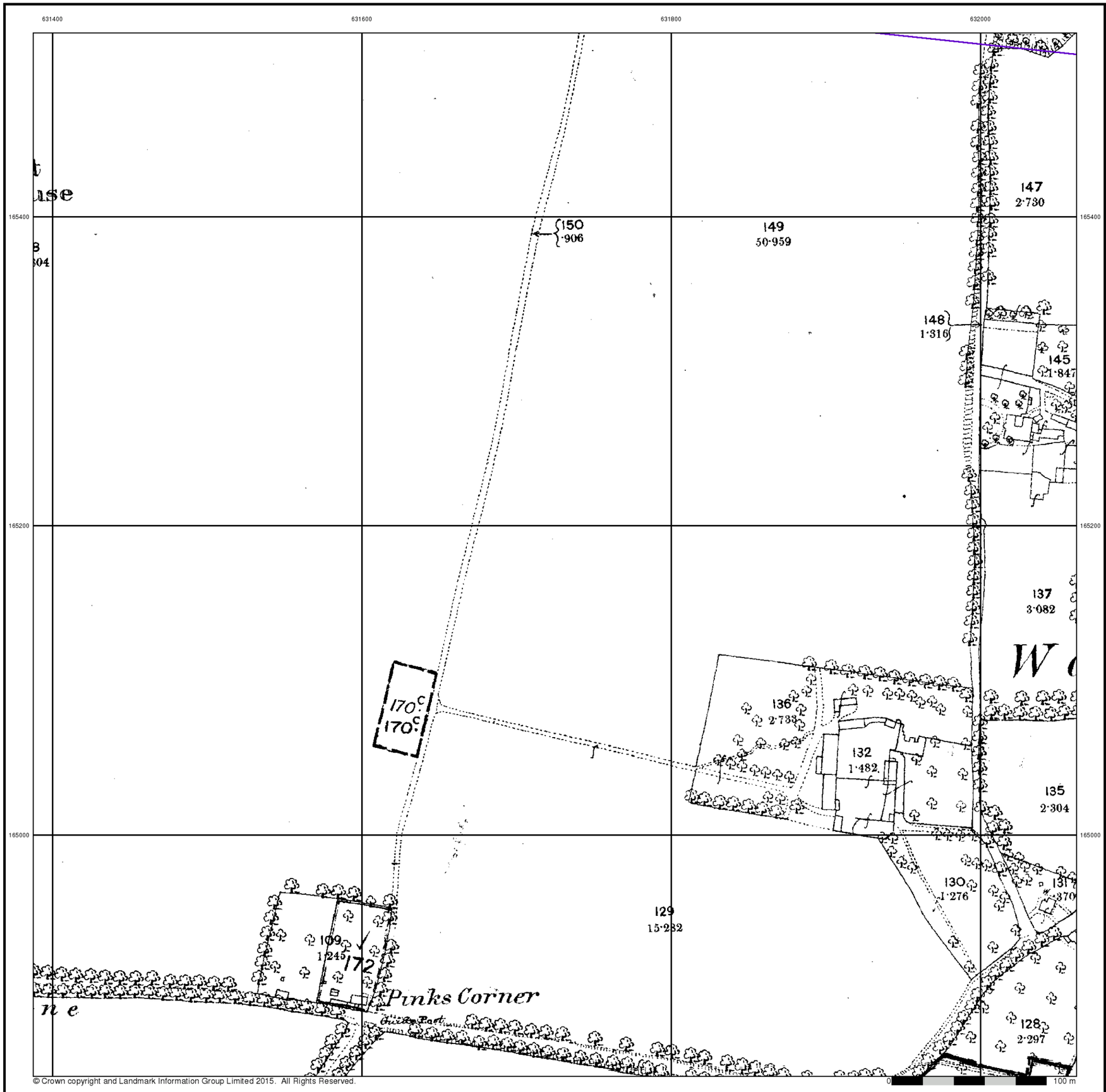

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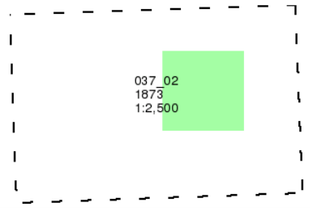
Kent

Published 1873

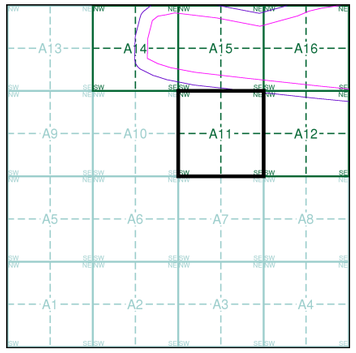
Source map scale - 1:2,500

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 A11



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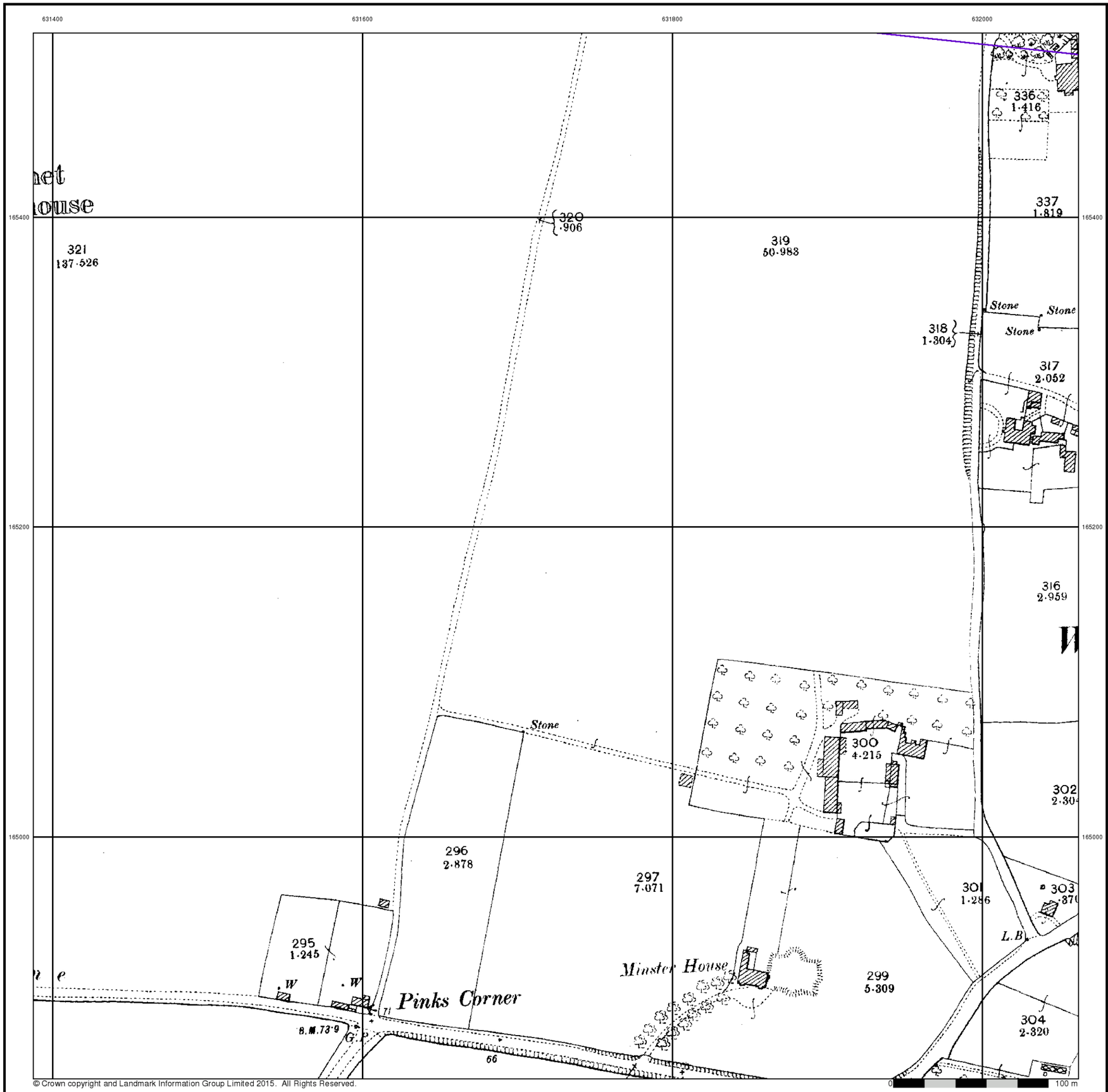

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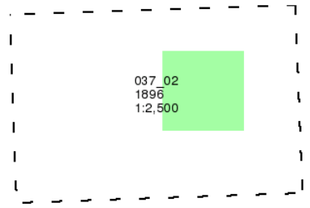
Kent

Published 1896

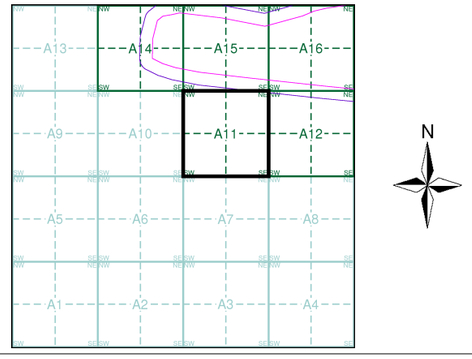
Source map scale - 1:2,500

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:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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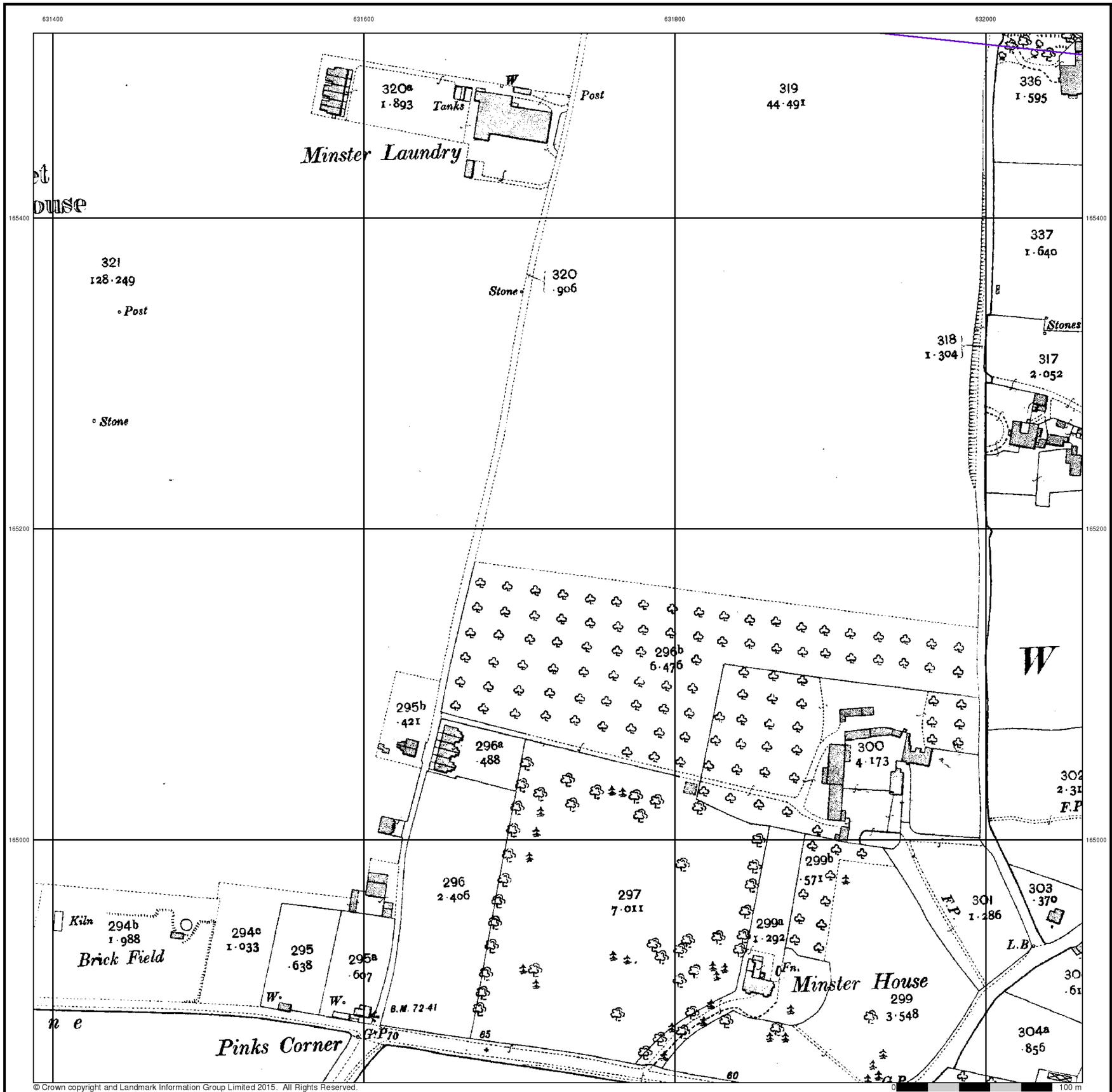

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Kent

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.

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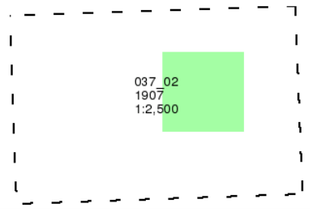
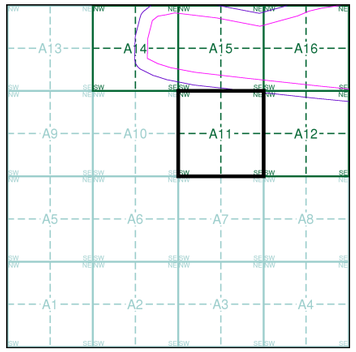


Historical Map - Segment A11



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Kent

Published 1938

Source map scale - 1:2,500

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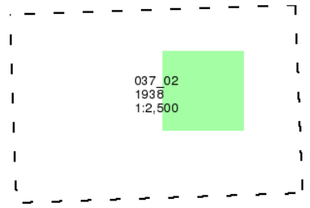
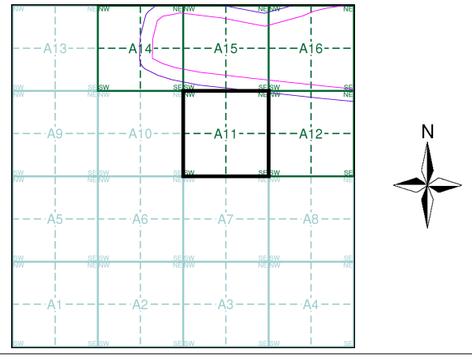


Historical Map - Segment A11



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Ordnance Survey Plan

Published 1963 - 1964

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.

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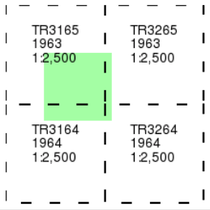
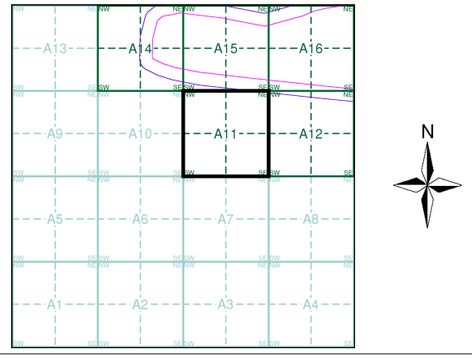


Historical Map - Segment A11



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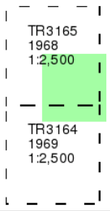
Ordnance Survey Plan

Published 1968 - 1969

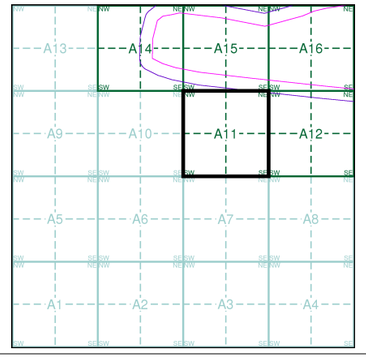
Source map scale - 1:2,500

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



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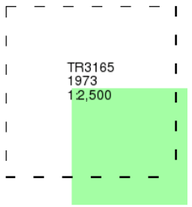
Supply of Unpublished Survey Information

Published 1973

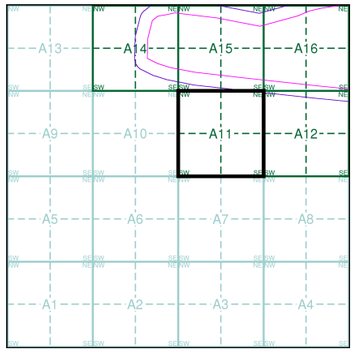
Source map scale - 1:2,500

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)



Historical Map - Segment A11



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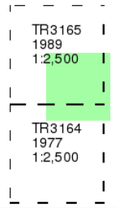
Additional SIMs

Published 1977 - 1989

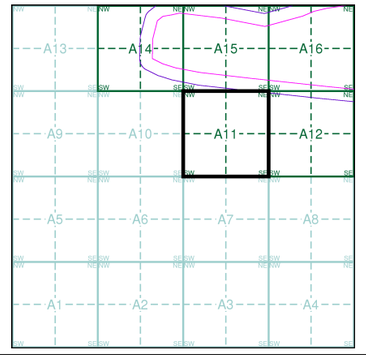
Source map scale - 1:2,500

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 A11



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Additional SIMs

Published 1979

Source map scale - 1:2,500

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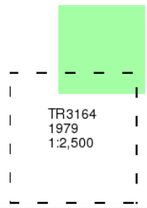
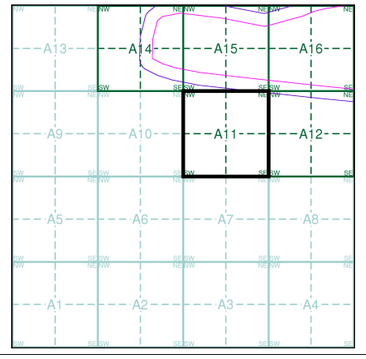
Map Name(s) and Date(s)



Historical Map - Segment A11



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Large-Scale National Grid Data

Published 1993

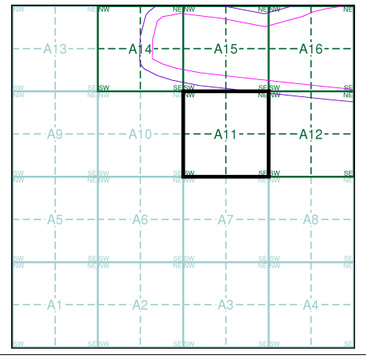
Source map scale - 1:2,500

'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)

TR3165 1993 1:2,500	TR3265 1993 1:2,500
TR3164 1993 1:2,500	TR3264 1993 1:2,500

Historical Map - Segment A11



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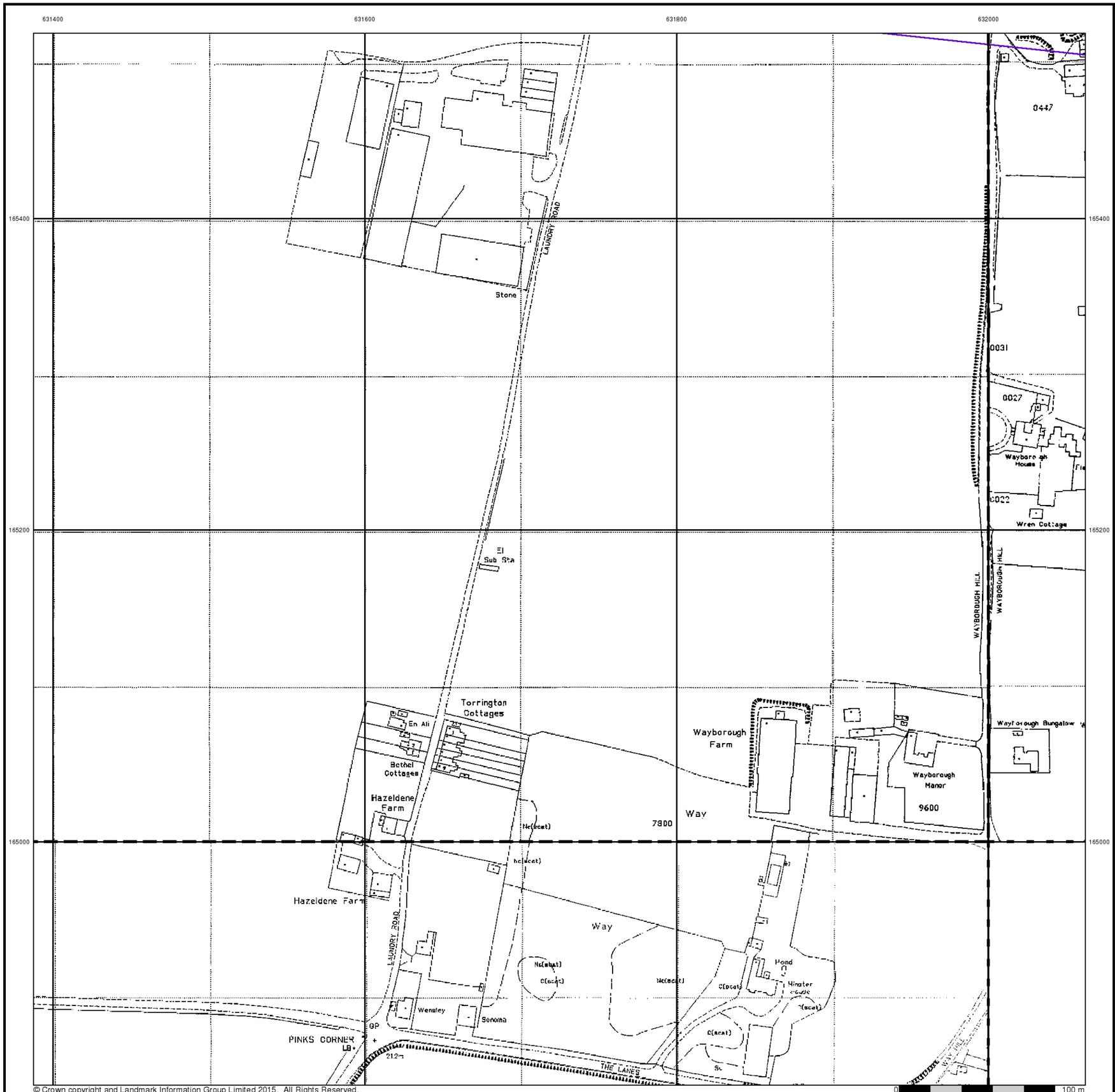

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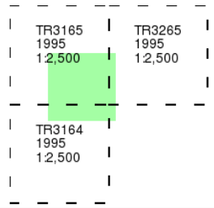
Large-Scale National Grid Data

Published 1995

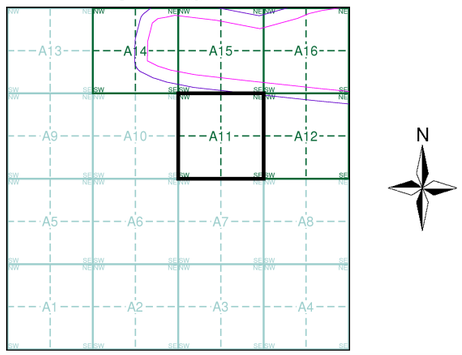
Source map scale - 1:2,500

'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 A11



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Published 1996

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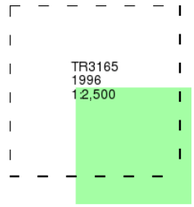
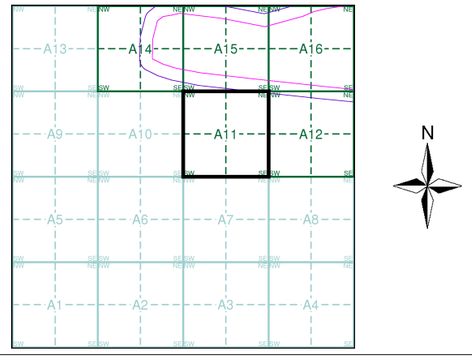


Historical Map - Segment A11



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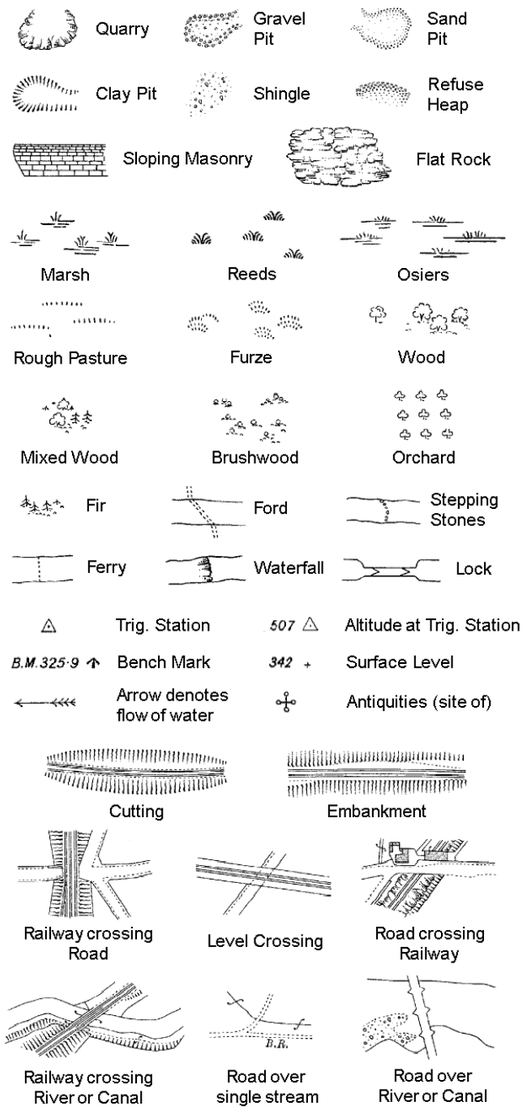
Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

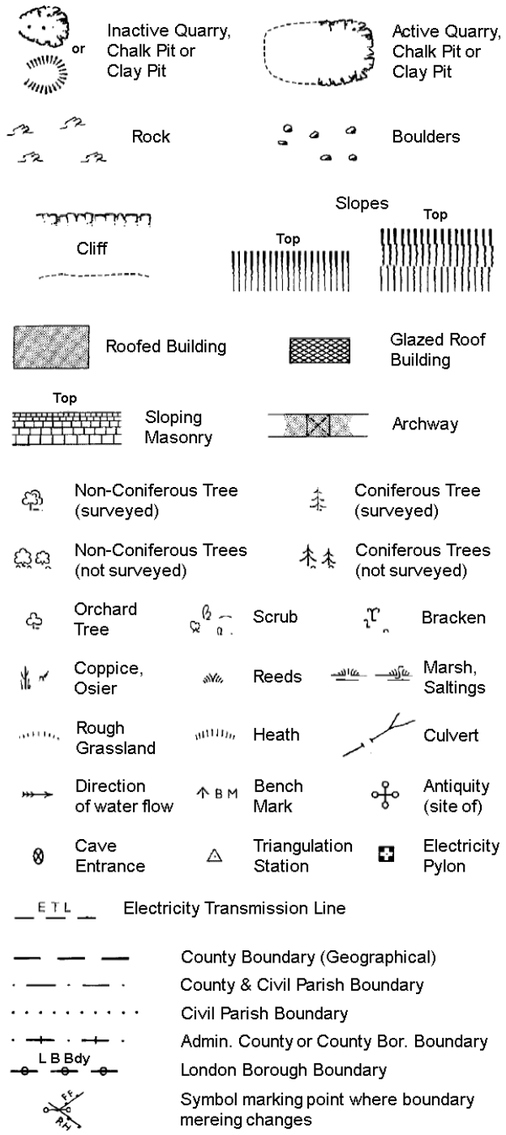
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

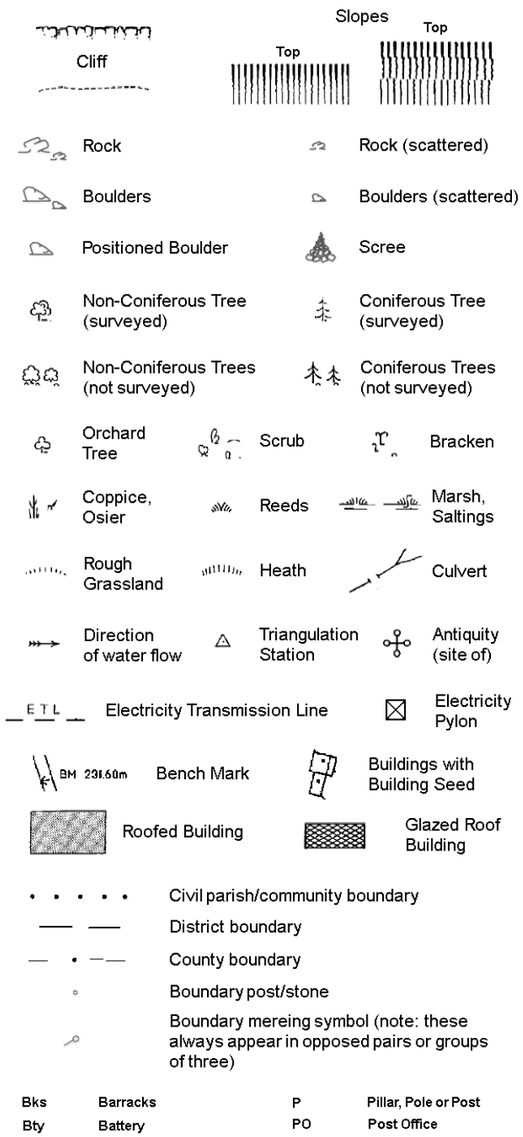
Admin. County or County Bor. Boundary

L B Bdy 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
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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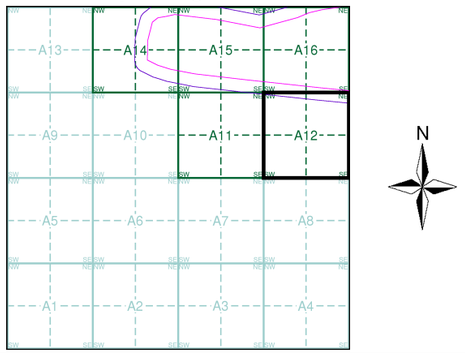
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Large-Scale National Grid Data	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1995	8

Historical Map - Segment A12



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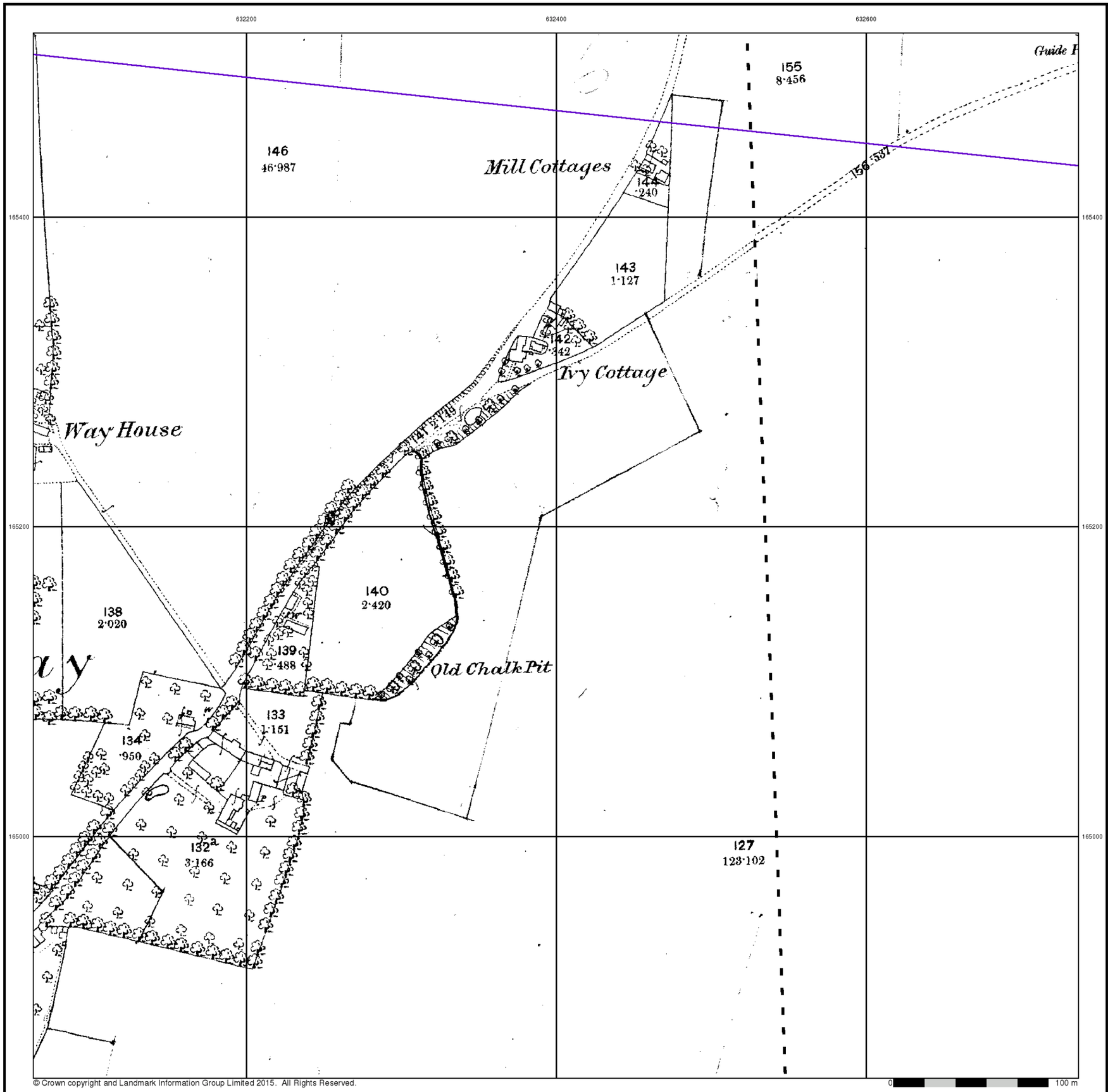

Envirocheck®

Kent

Published 1873

Source map scale - 1:2,500

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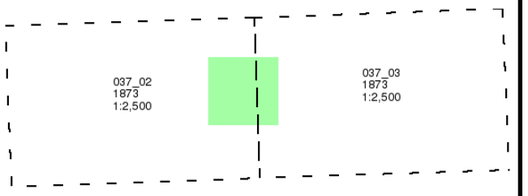
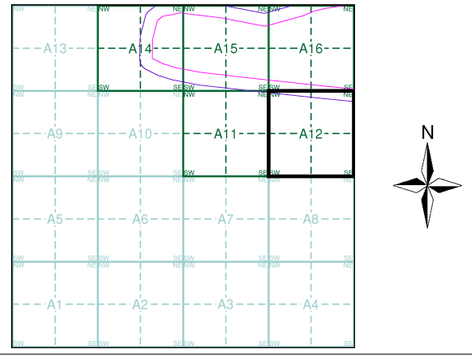
Map Name(s) and Date(s)



Historical Map - Segment A12



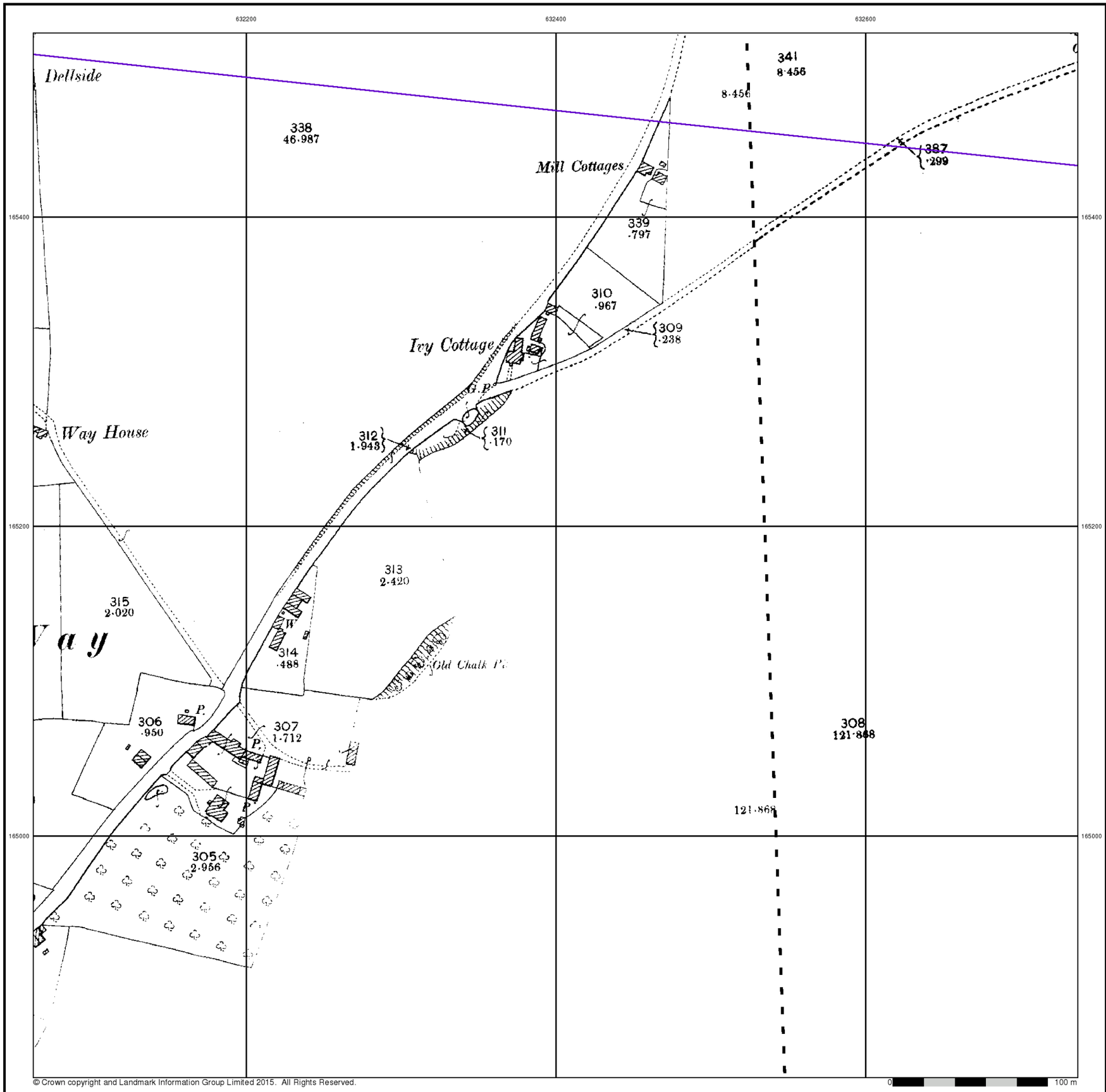
Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Kent

Published 1896

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.

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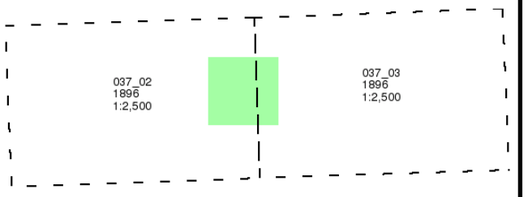
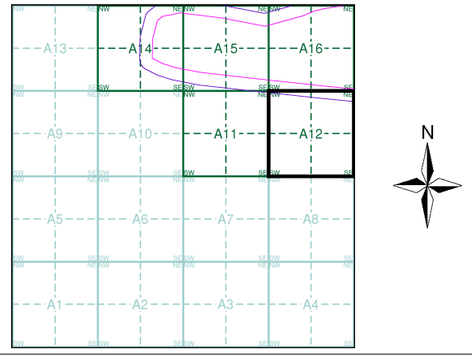


Historical Map - Segment A12



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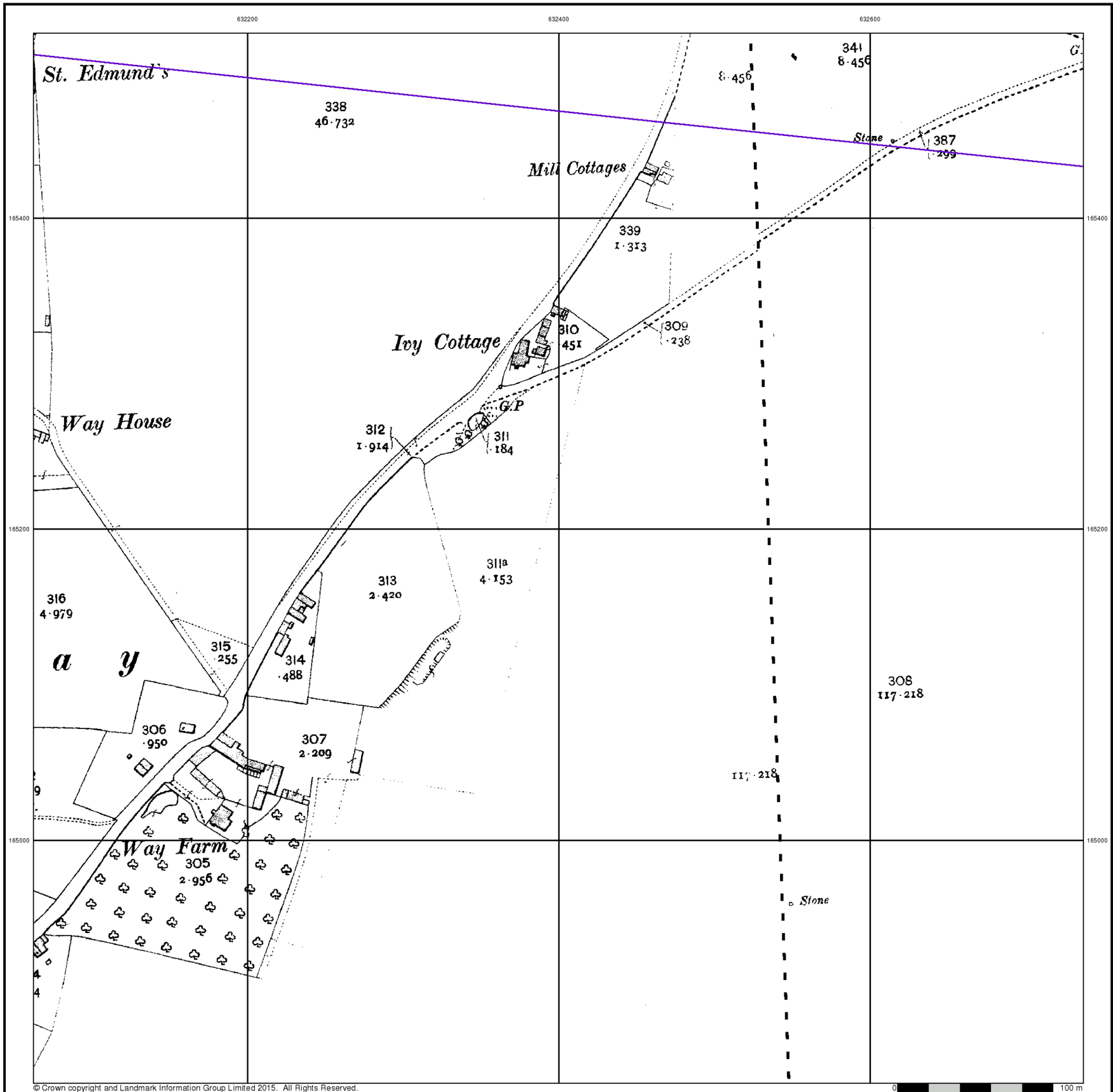

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Kent

Published 1907

Source map scale - 1:2,500

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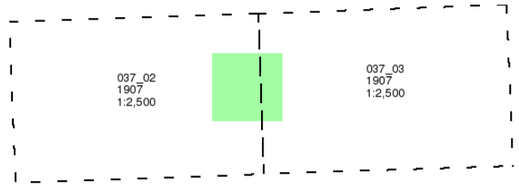
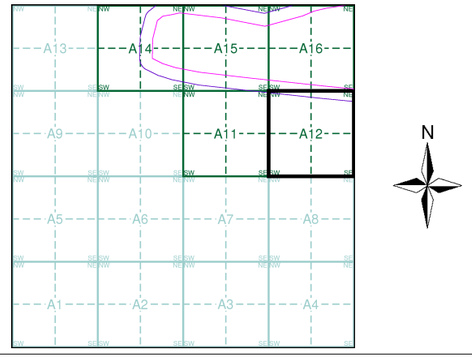


Historical Map - Segment A12



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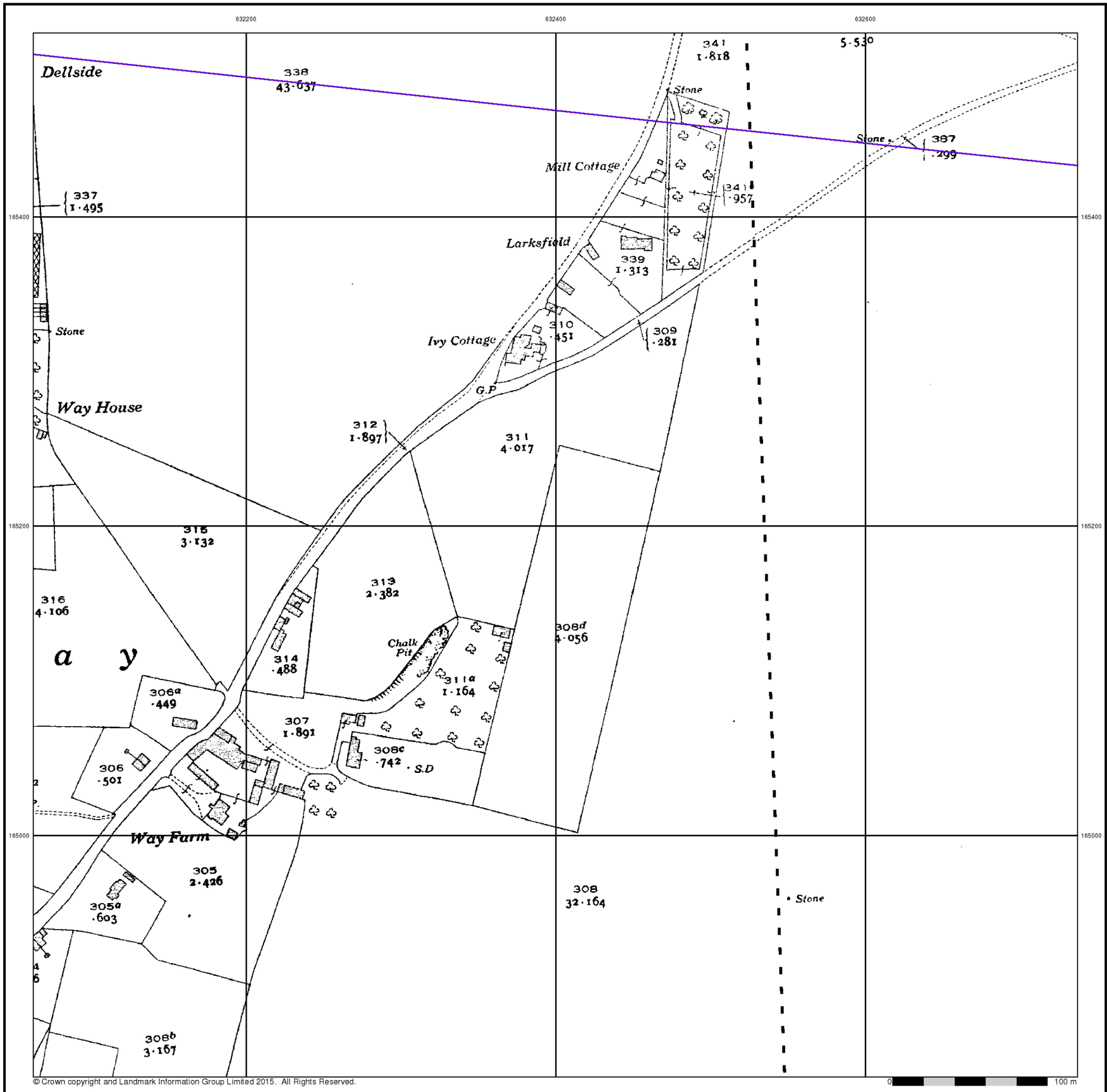

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Kent

Published 1938

Source map scale - 1:2,500

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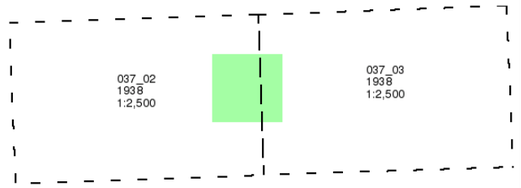
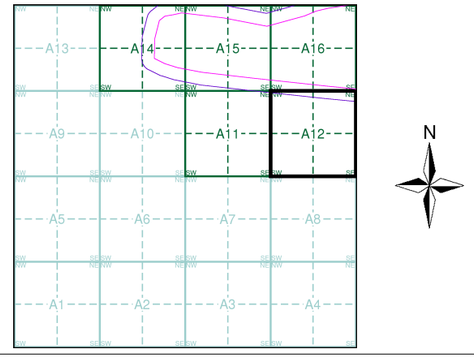


Historical Map - Segment A12



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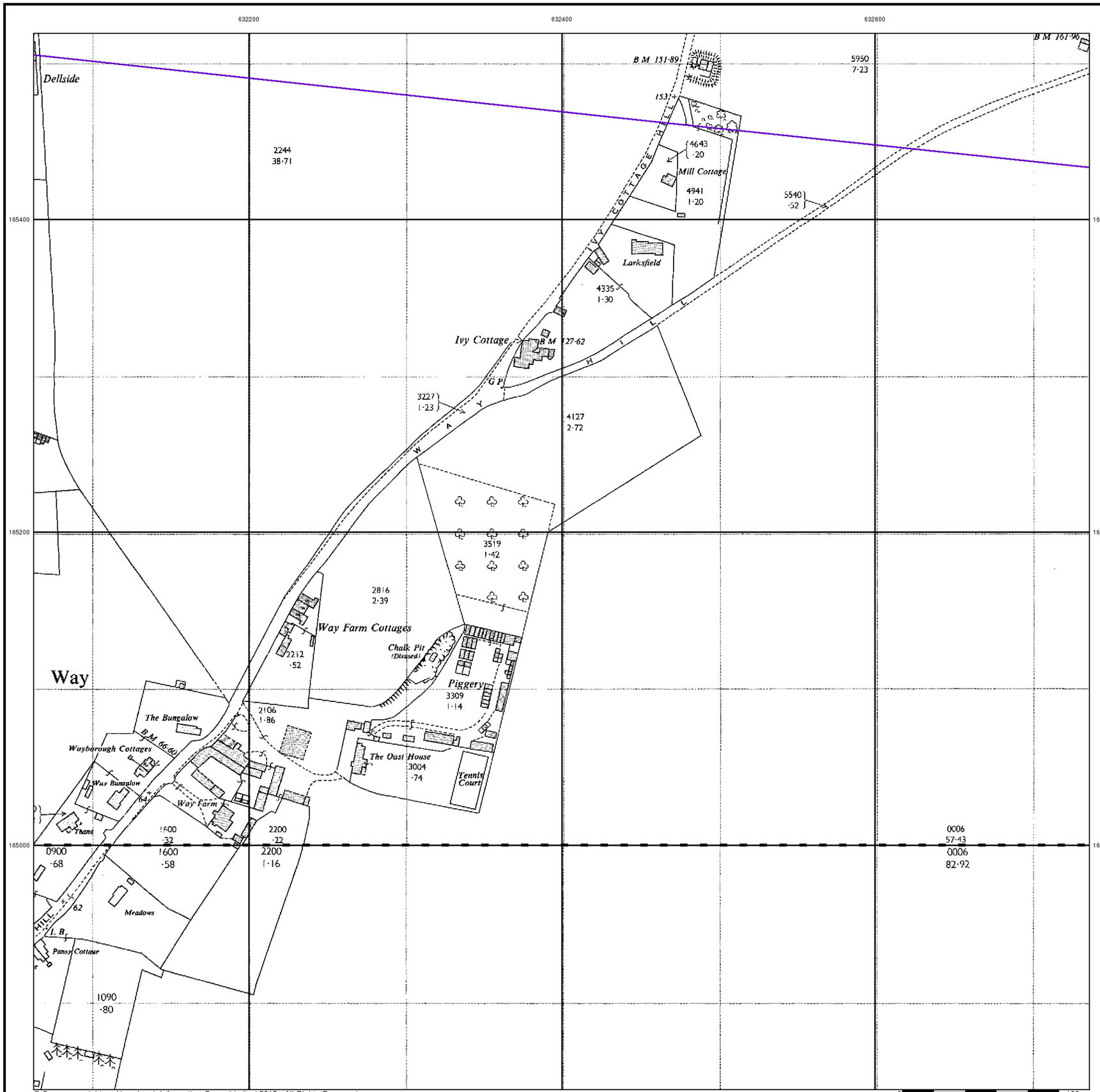

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Ordnance Survey Plan
Published 1963 - 1964
Source map scale - 1:2,500

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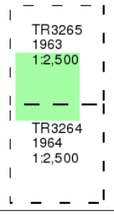
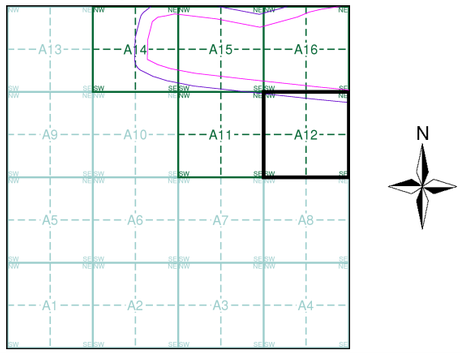


Historical Map - Segment A12



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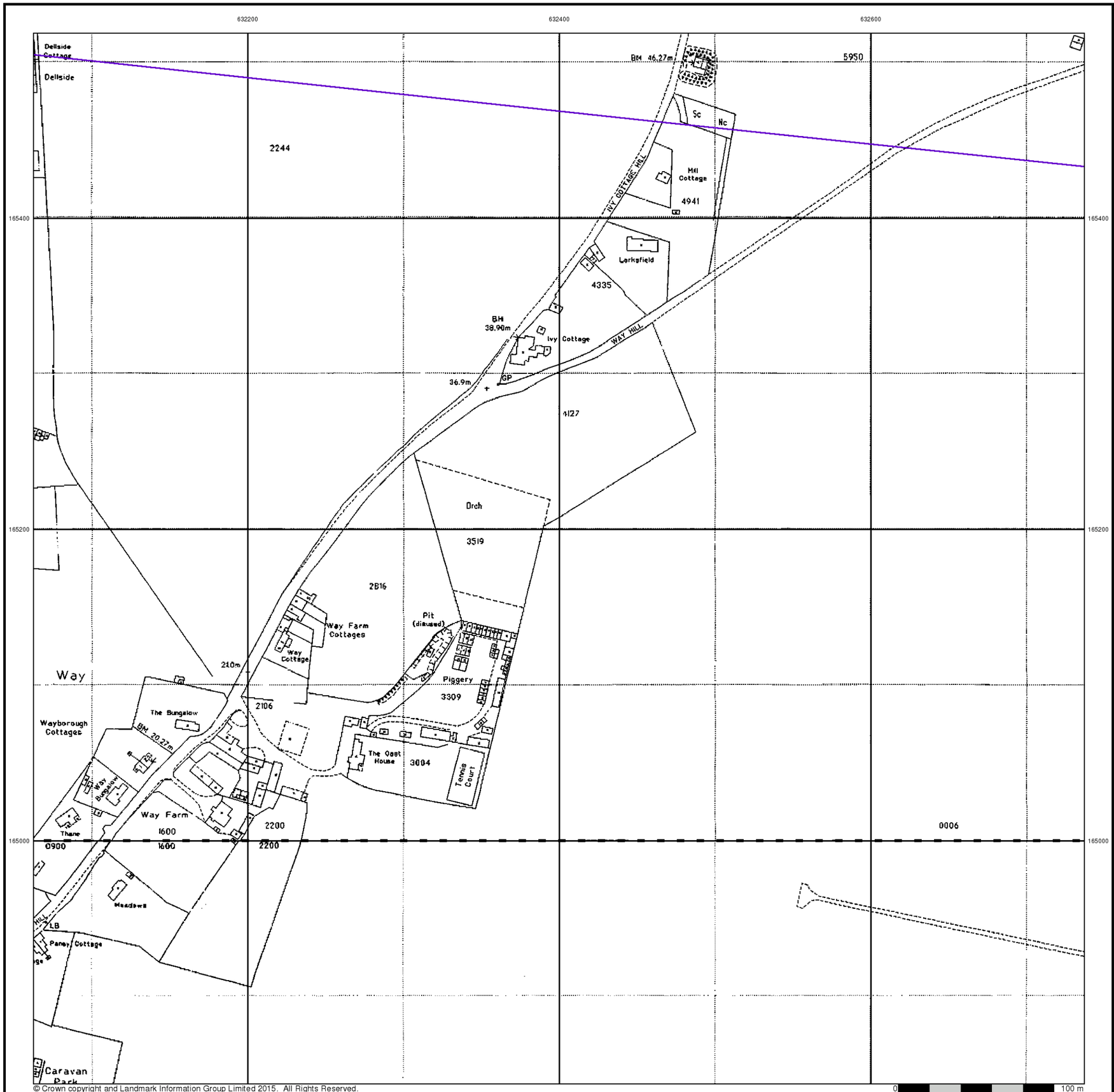


Envirocheck®

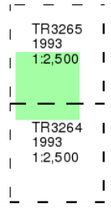
Large-Scale National Grid Data

Published 1993

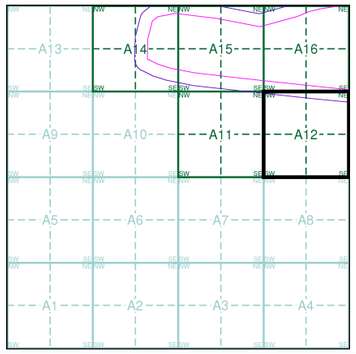
Source map scale - 1:2,500

'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)



Historical Map - Segment A12



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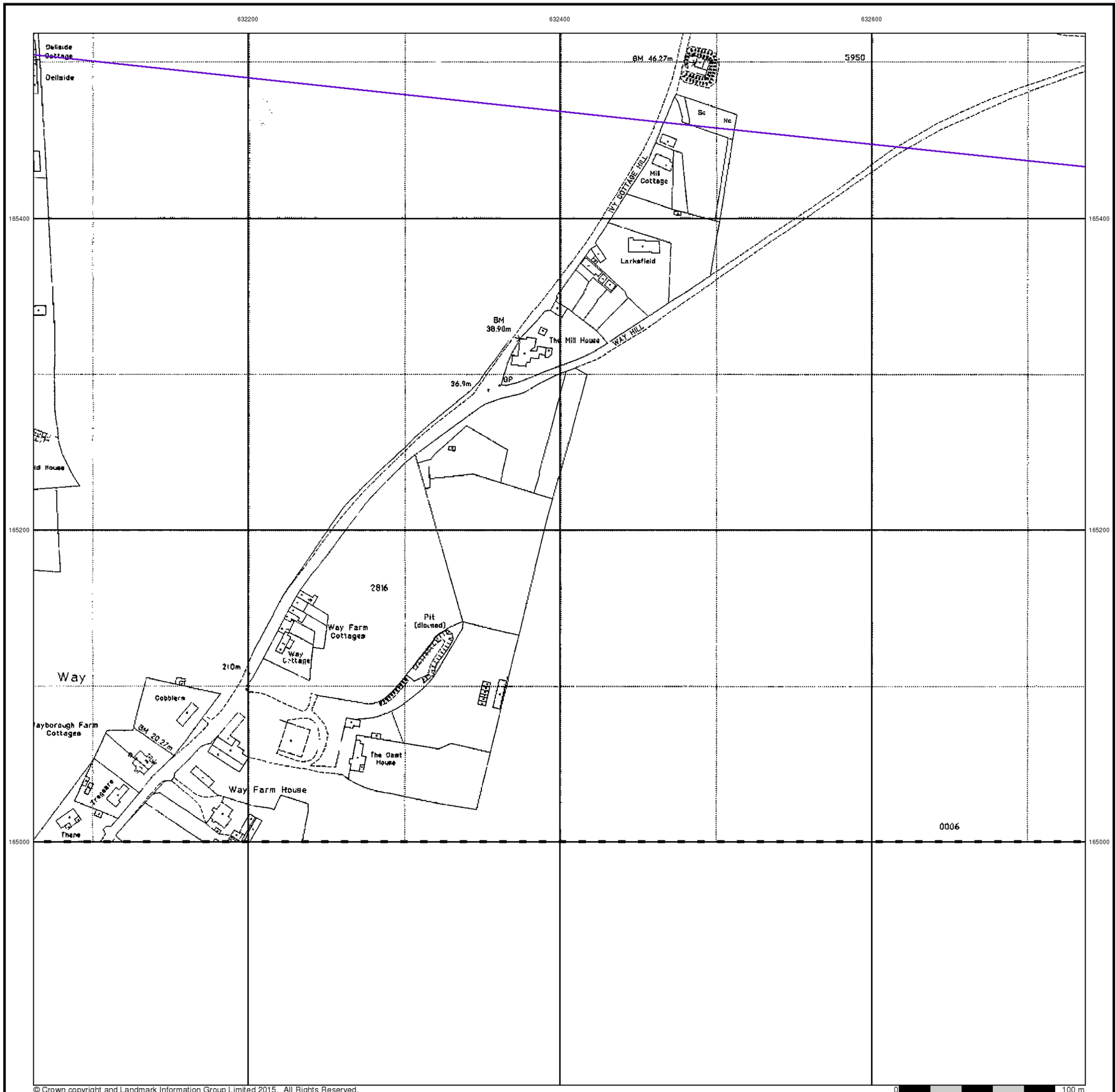

Envirocheck®

Large-Scale National Grid Data

Published 1995

Source map scale - 1:2,500

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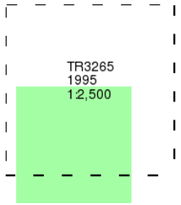
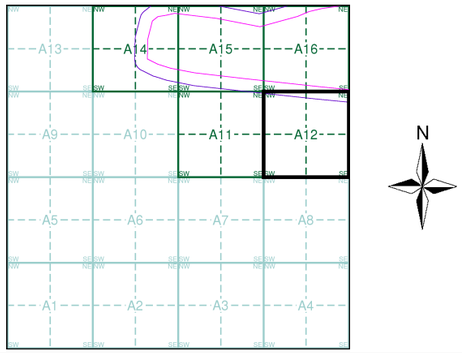


Historical Map - Segment A12



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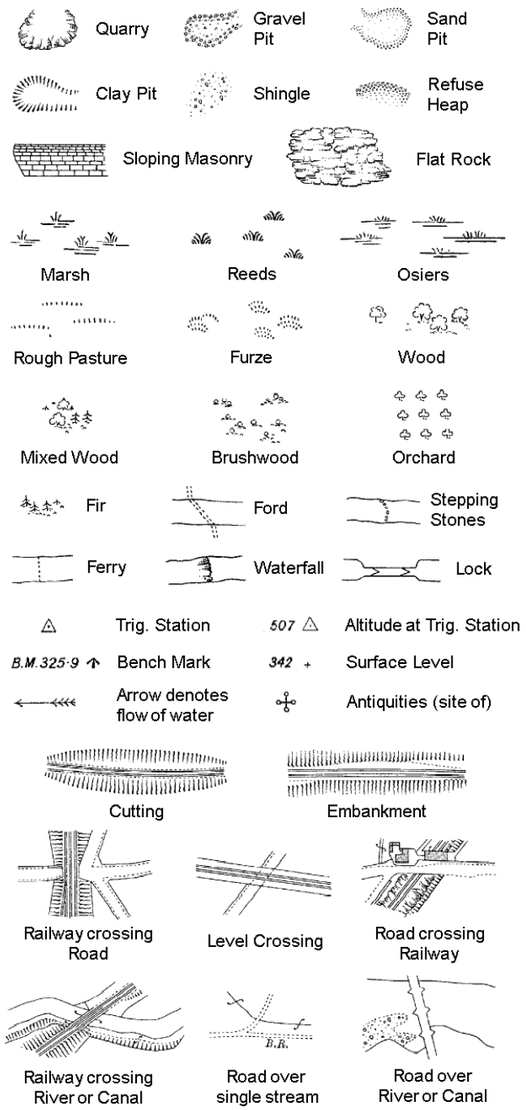
Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

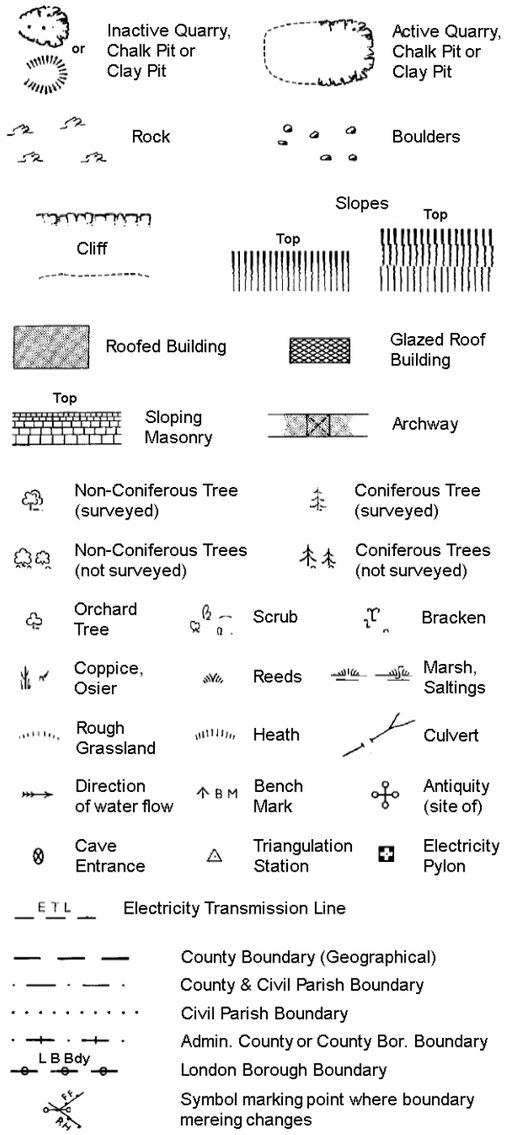
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

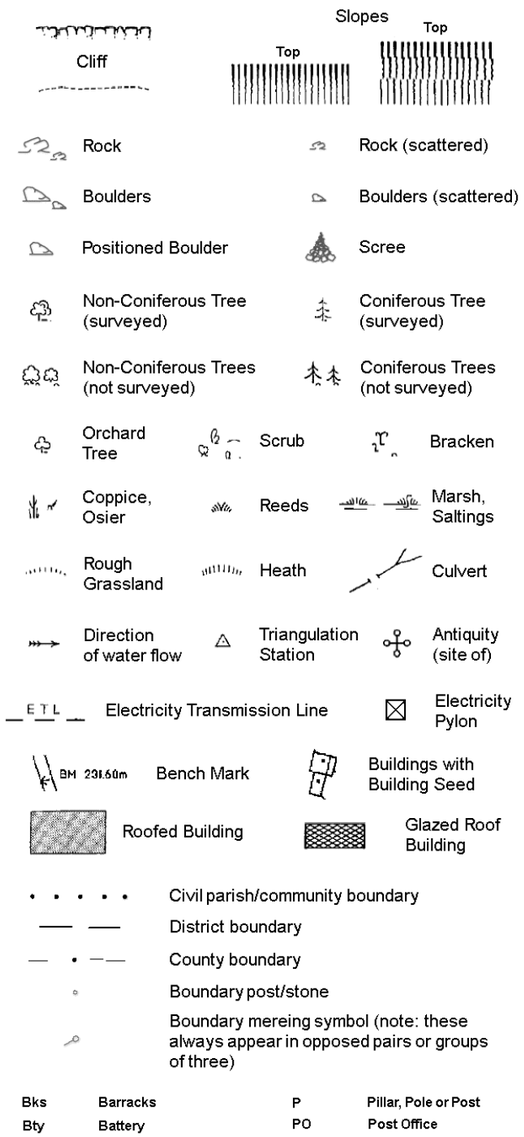
Admin. County or County Bor. Boundary

L B Bdy 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
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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)

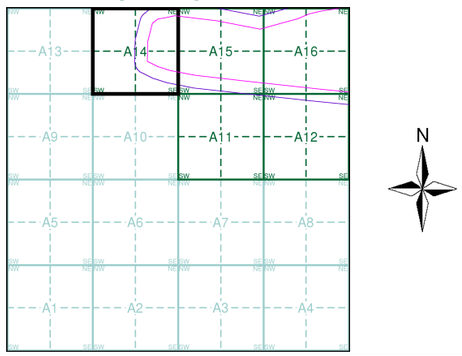
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	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

Envirocheck®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938 - 1939	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Additional SIMs	1:2,500	1964 - 1989	7
Ordnance Survey Plan	1:2,500	1968 - 1984	8
Supply of Unpublished Survey Information	1:2,500	1973	9
Ordnance Survey Plan	1:2,500	1984	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1995	12
Large-Scale National Grid Data	1:2,500	1996	13
Large-Scale National Grid Data	1:2,500	1996	14

Historical Map - Segment A14



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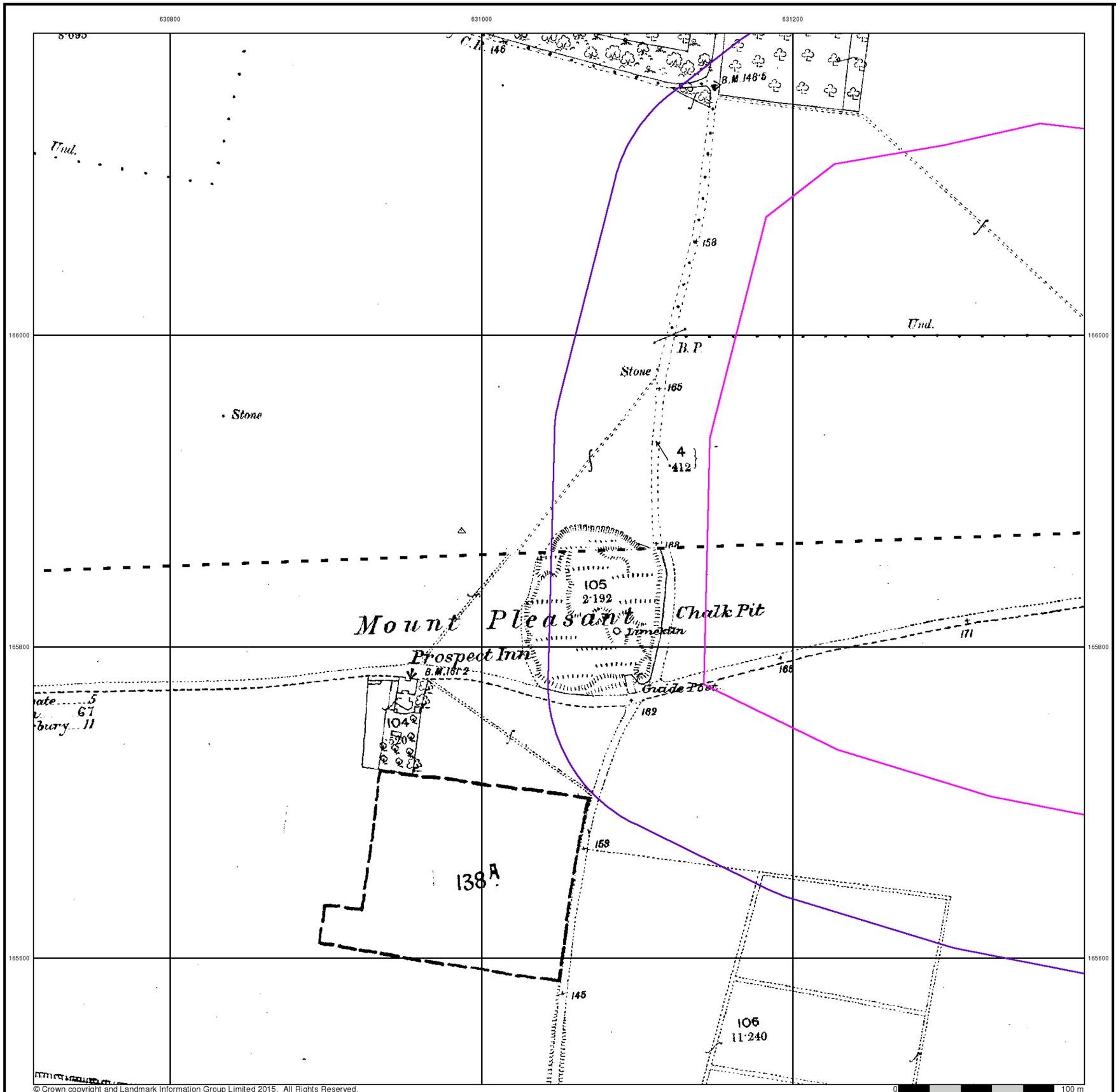

Envirocheck®

Kent

Published 1873

Source map scale - 1:2,500

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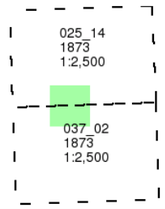
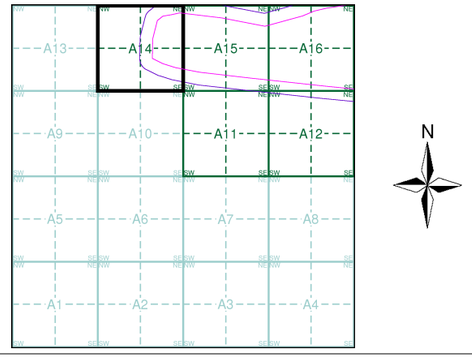


Historical Map - Segment A14



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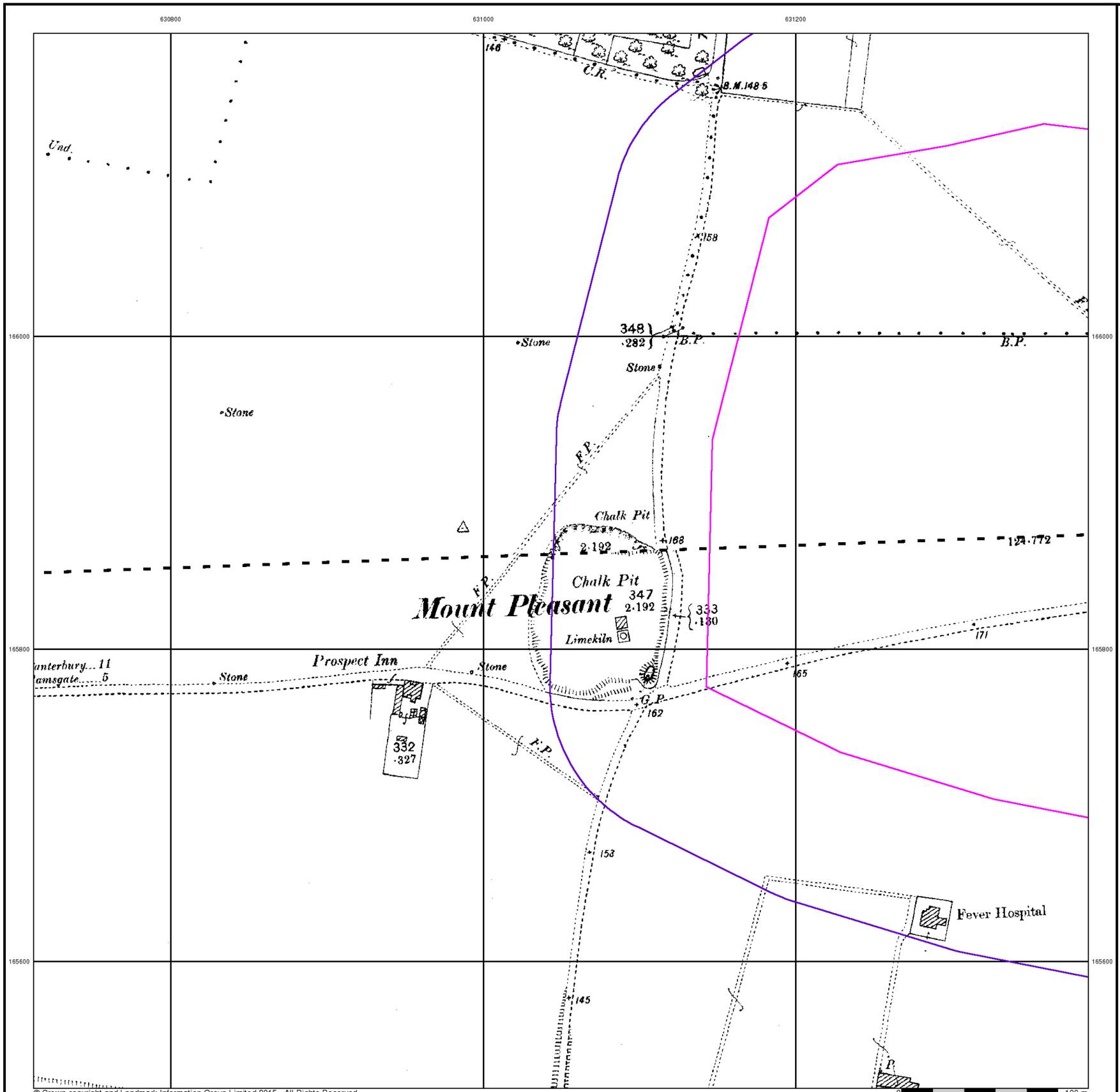

Envirocheck®

Kent

Published 1896

Source map scale - 1:2,500

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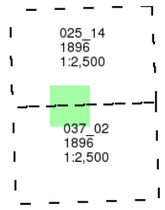
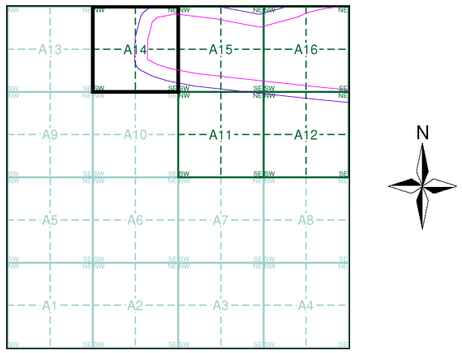


Historical Map - Segment A14



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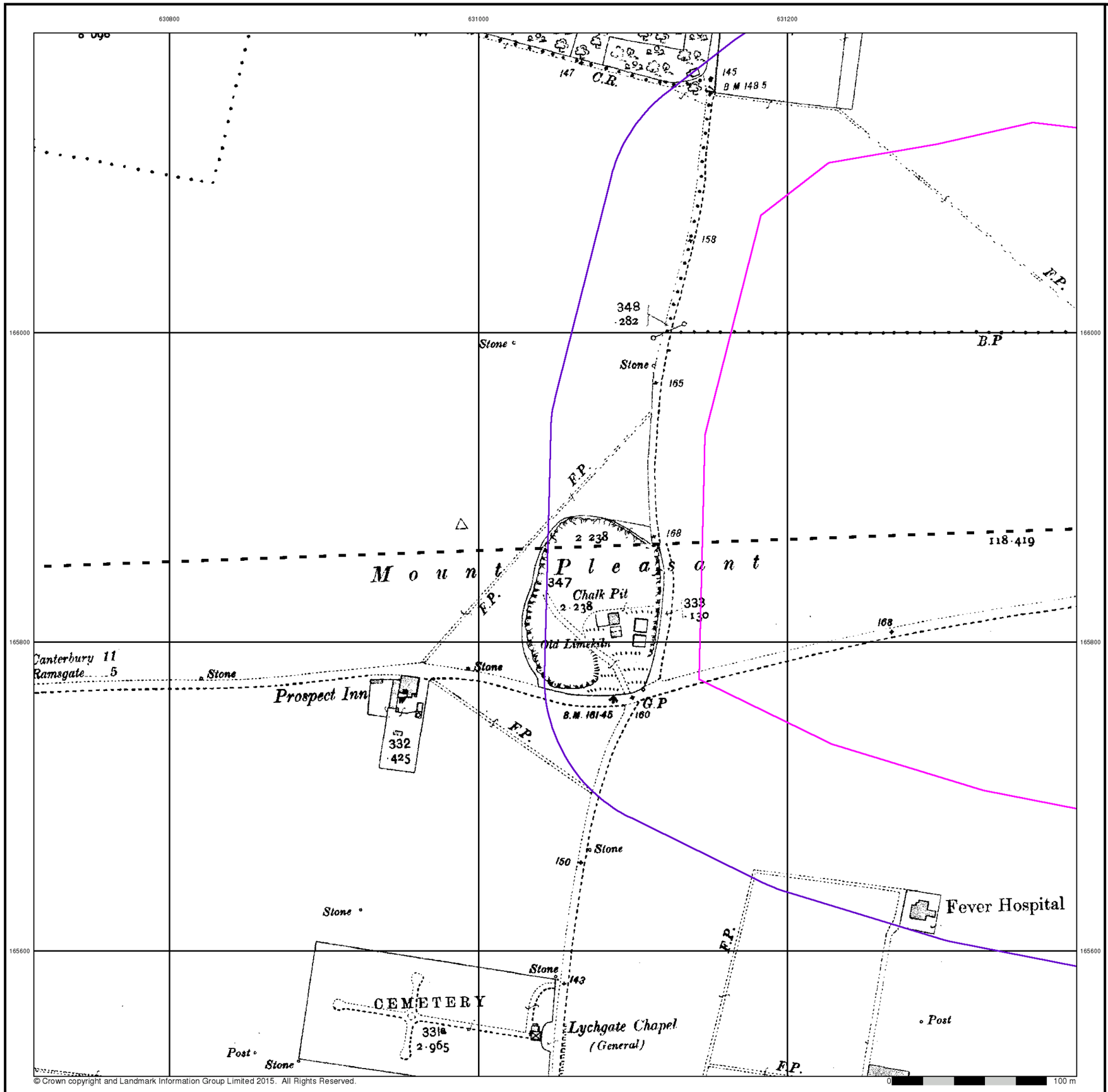

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Published 1907

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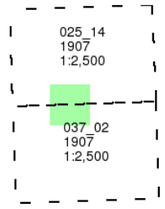
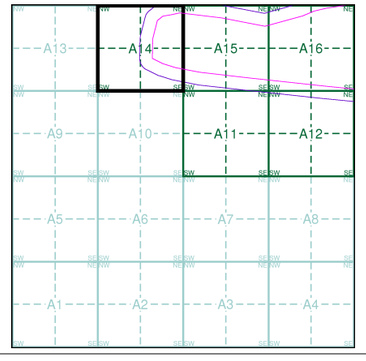


Historical Map - Segment A14



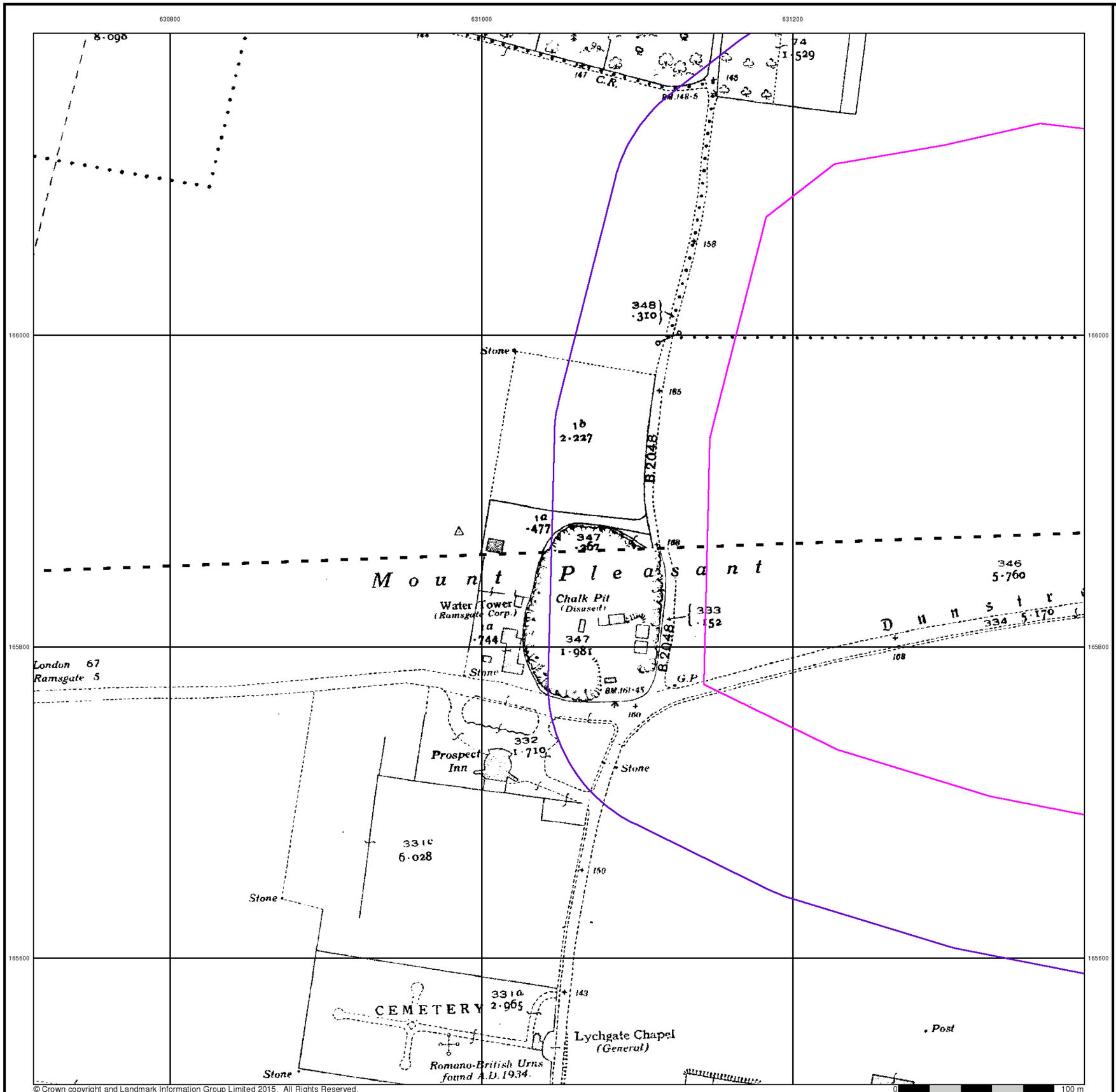
Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Kent

Published 1938 - 1939

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.

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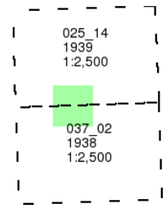
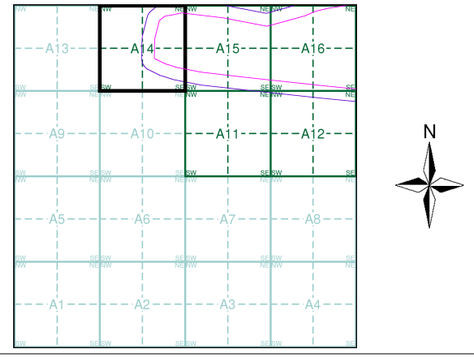


Historical Map - Segment A14



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Ordnance Survey Plan

Published 1963 - 1964

Source map scale - 1:2,500

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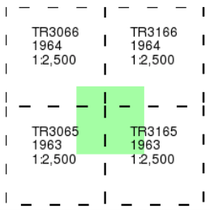
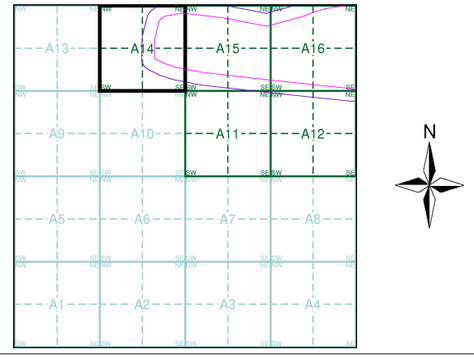


Historical Map - Segment A14



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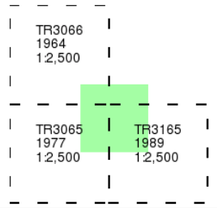
Additional SIMs

Published 1964 - 1989

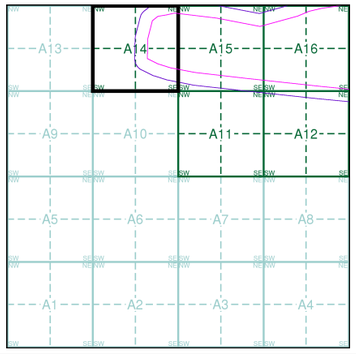
Source map scale - 1:2,500

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 A14



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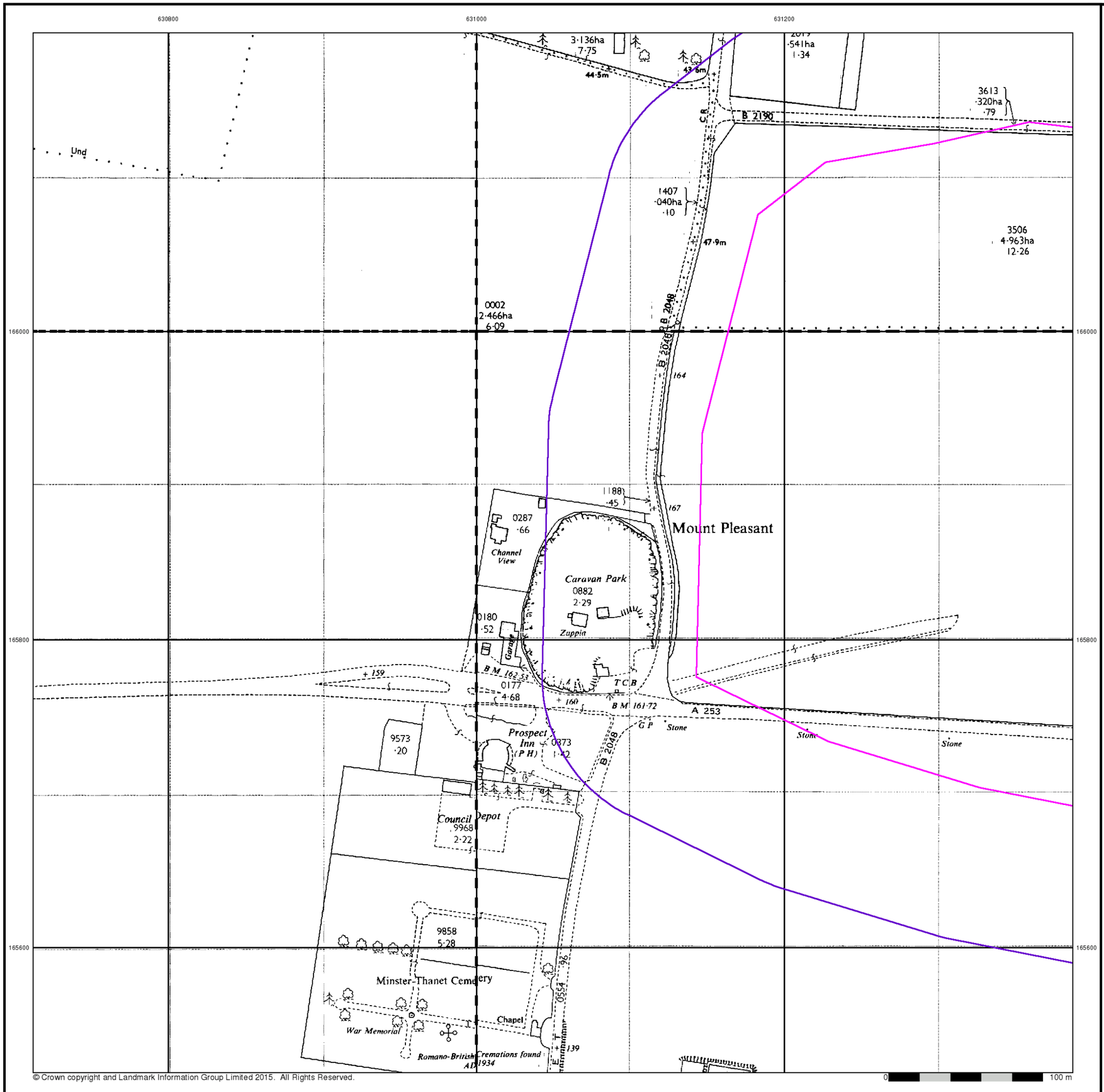

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Ordnance Survey Plan

Published 1968 - 1984

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.

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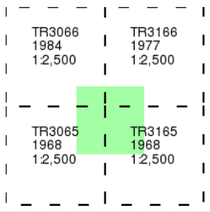
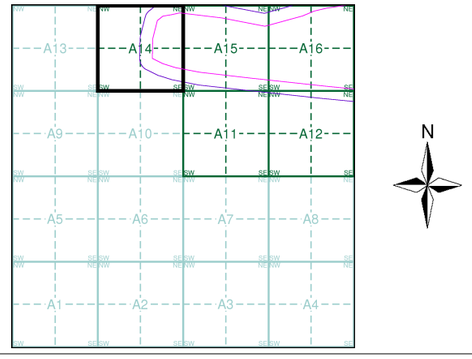


Historical Map - Segment A14



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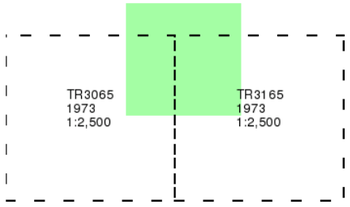
Supply of Unpublished Survey Information

Published 1973

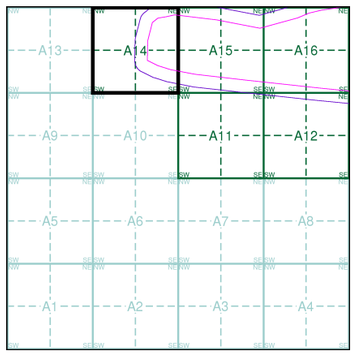
Source map scale - 1:2,500

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)



Historical Map - Segment A14



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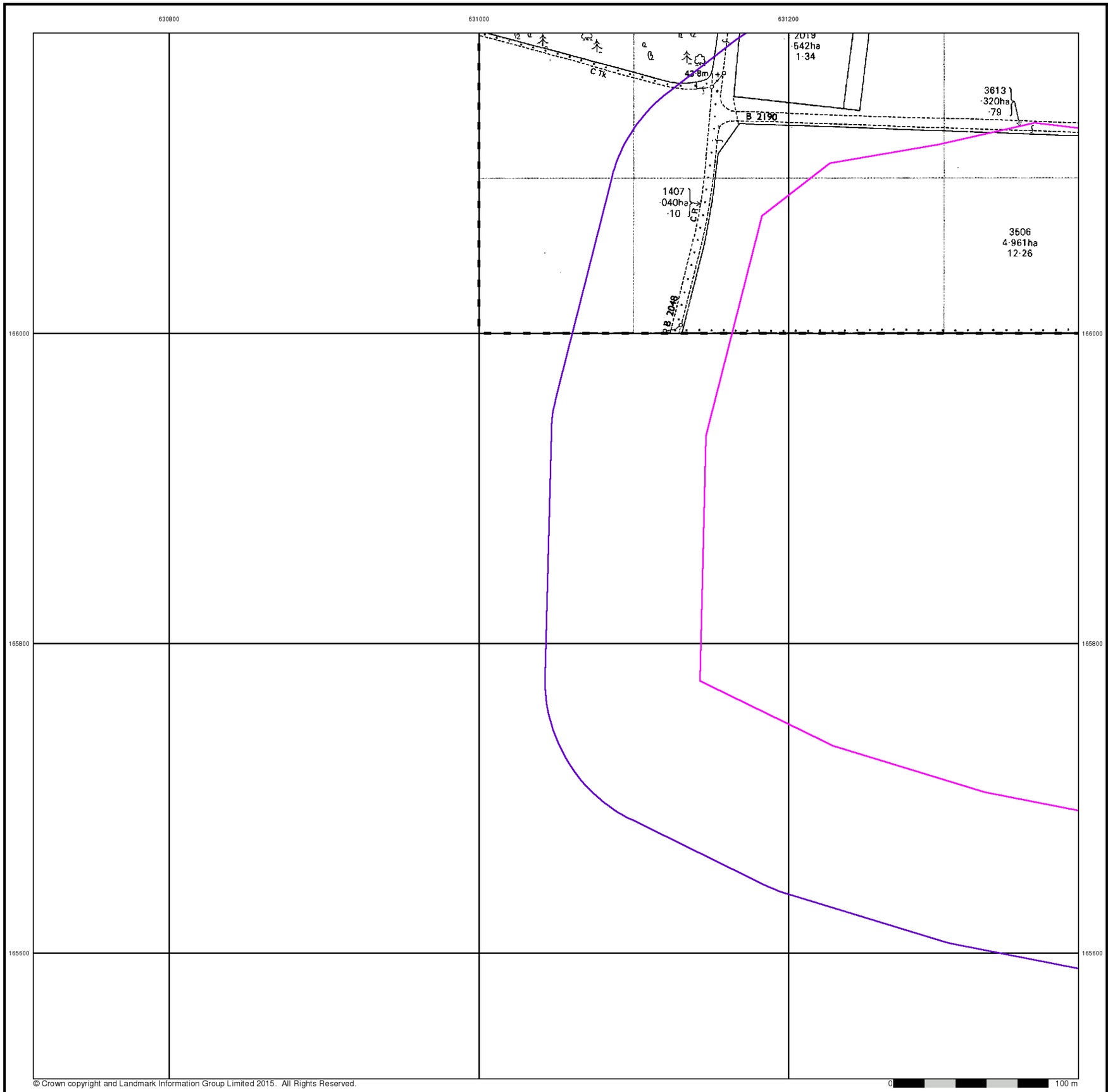

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Ordnance Survey Plan

Published 1984

Source map scale - 1:2,500

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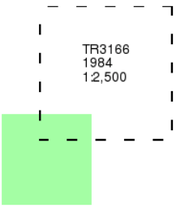
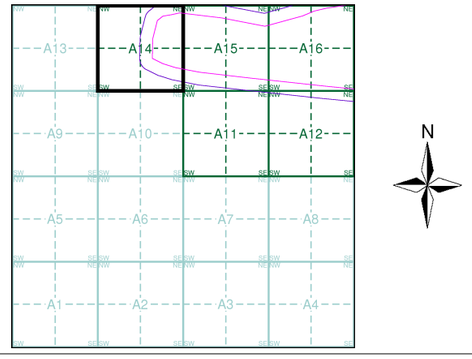


Historical Map - Segment A14



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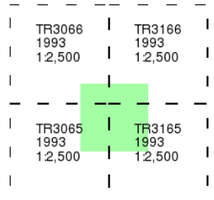
Large-Scale National Grid Data

Published 1993

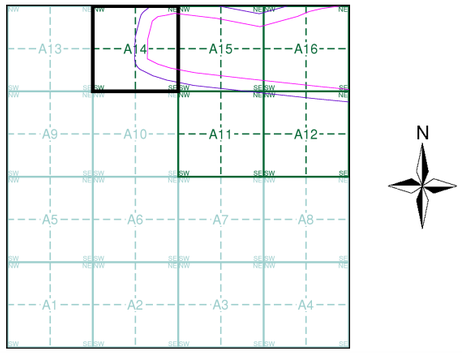
Source map scale - 1:2,500

'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)



Historical Map - Segment A14



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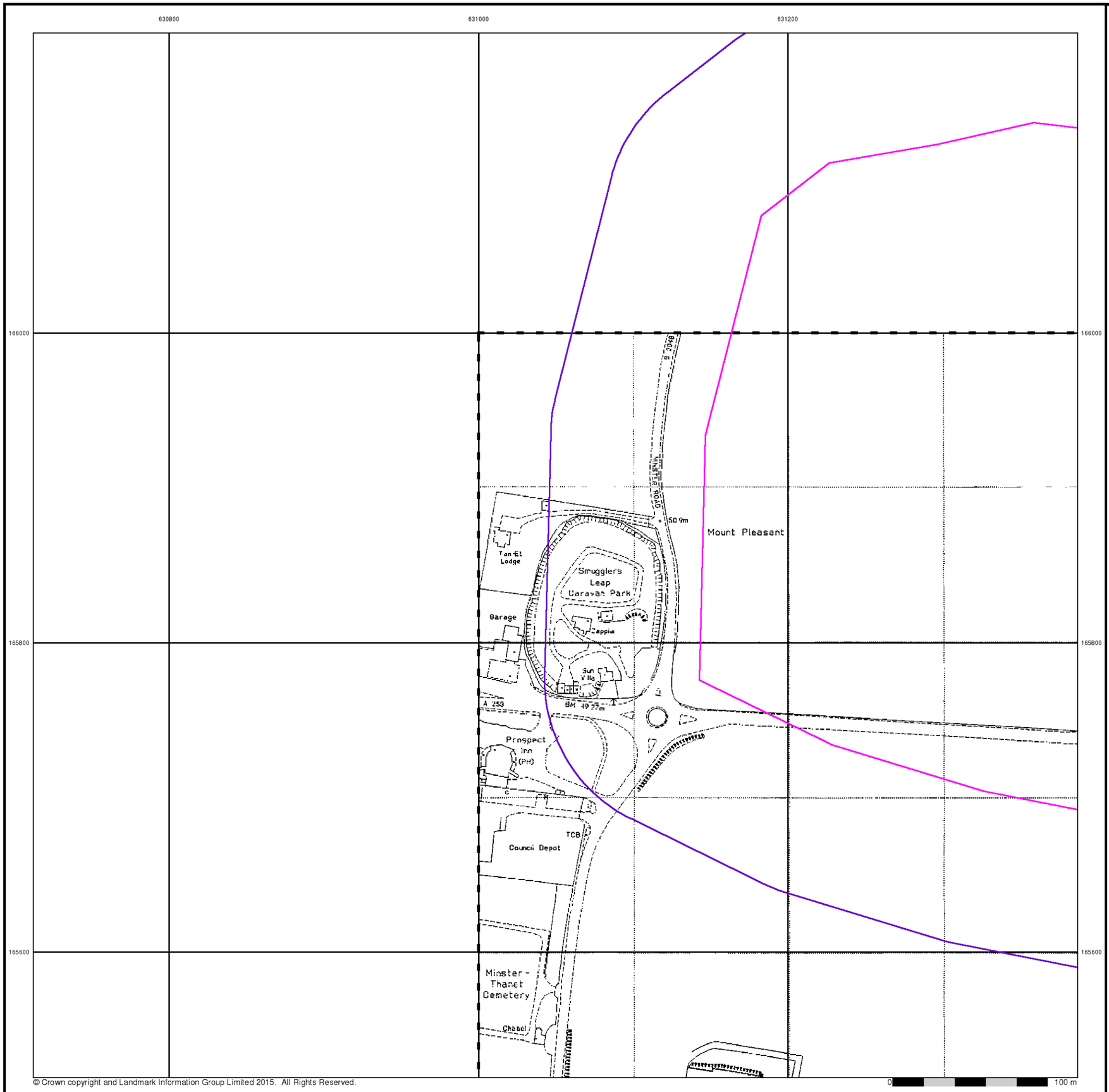

Envirocheck®

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.

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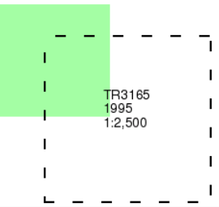
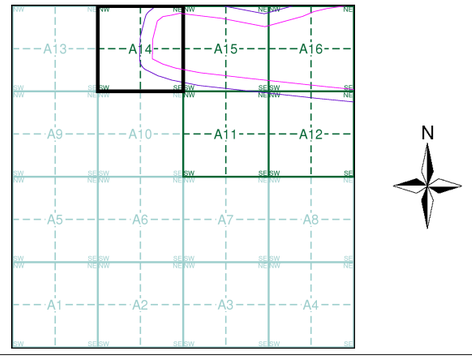


Historical Map - Segment A14



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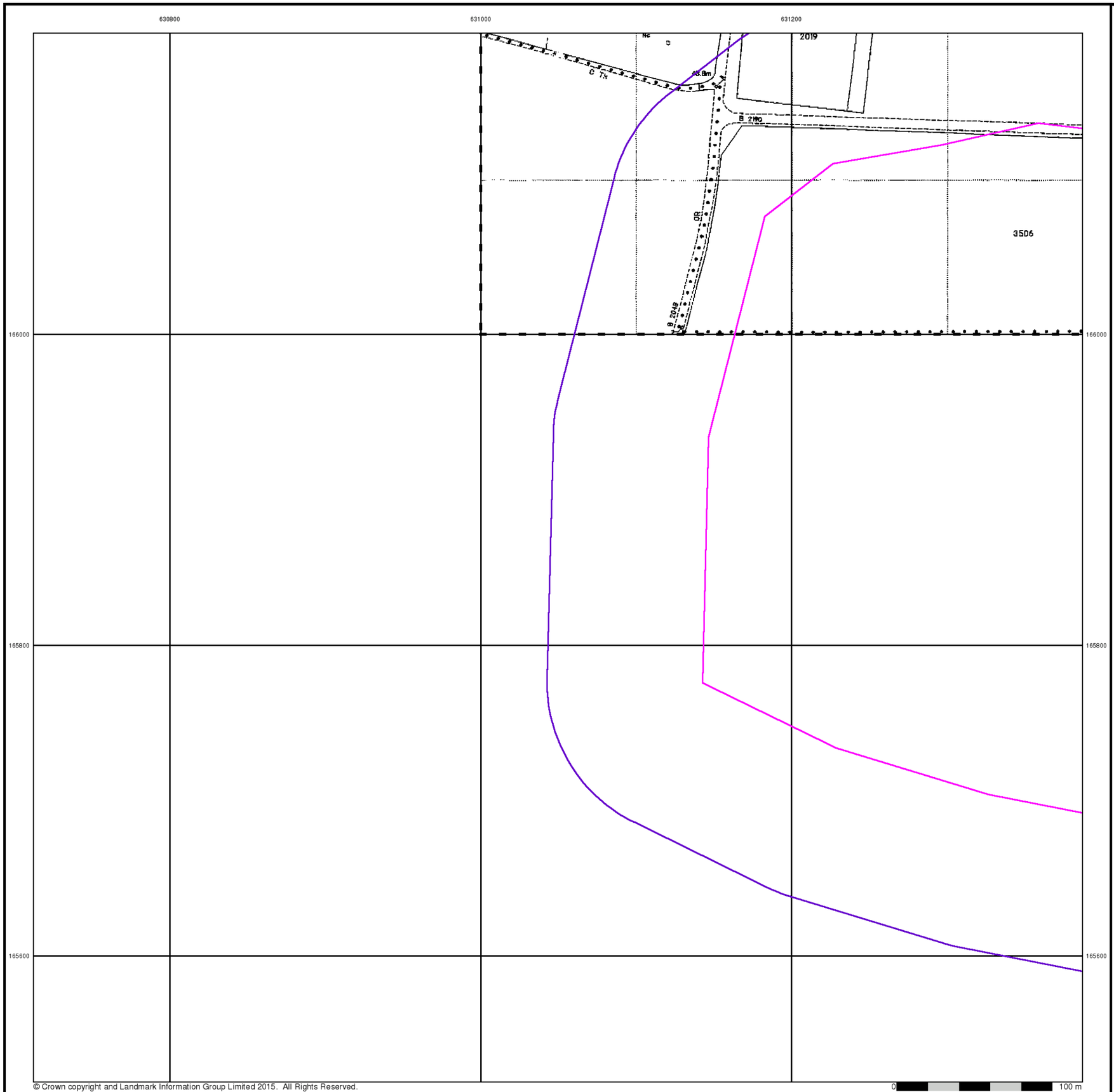

Large-Scale National Grid Data

Published 1996

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.

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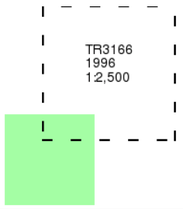
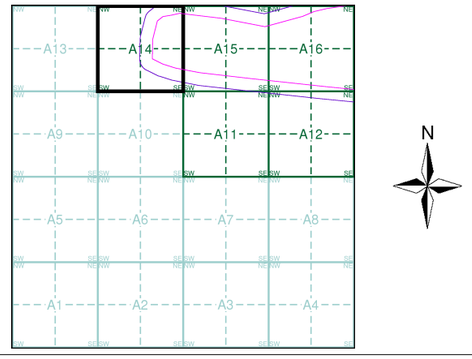


Historical Map - Segment A14



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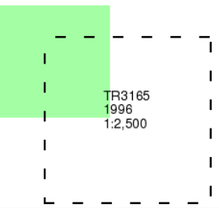
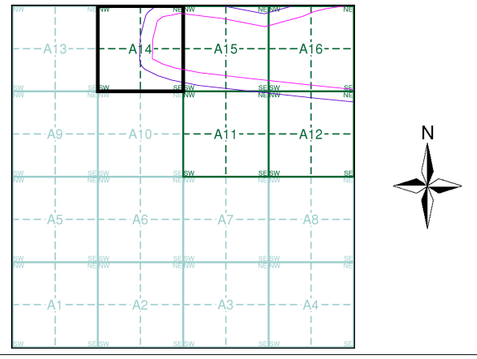


Historical Map - Segment A14



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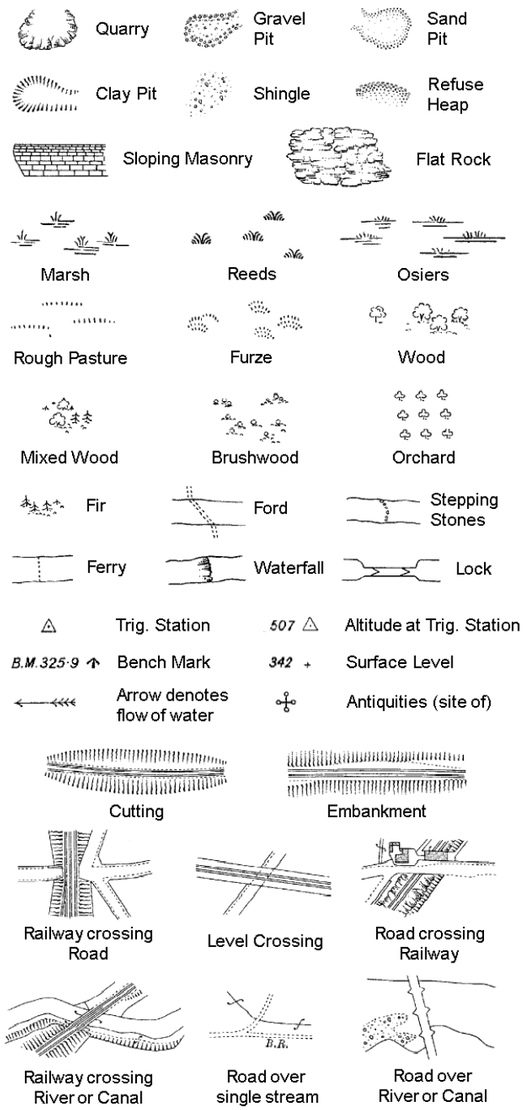
Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

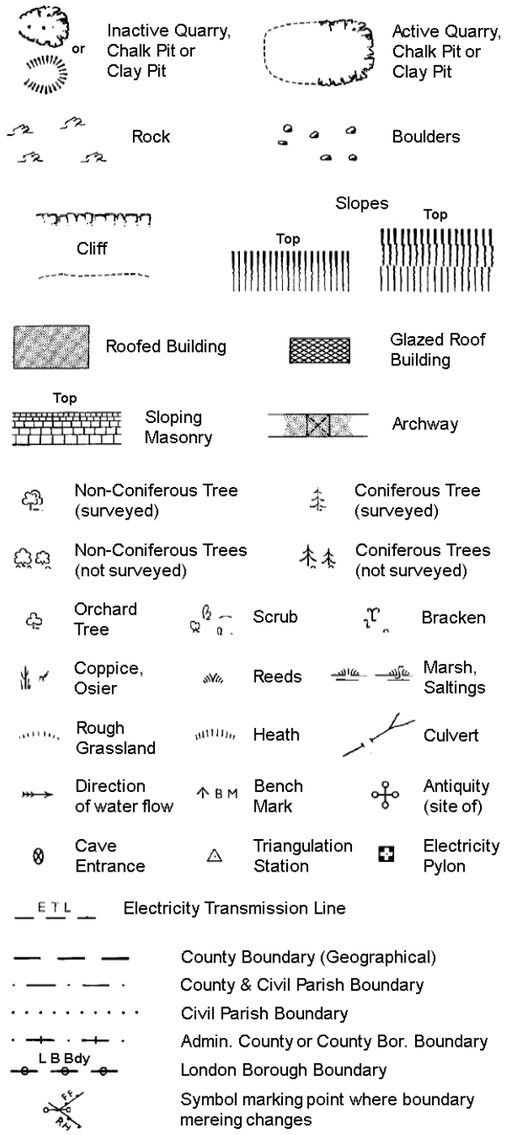
Administrative County & Civil Parish Boundary

County Borough Boundary (England)
Co. Boro. Bdy.

County Burgh Boundary (Scotland)
Co. Burgh Bdy.

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

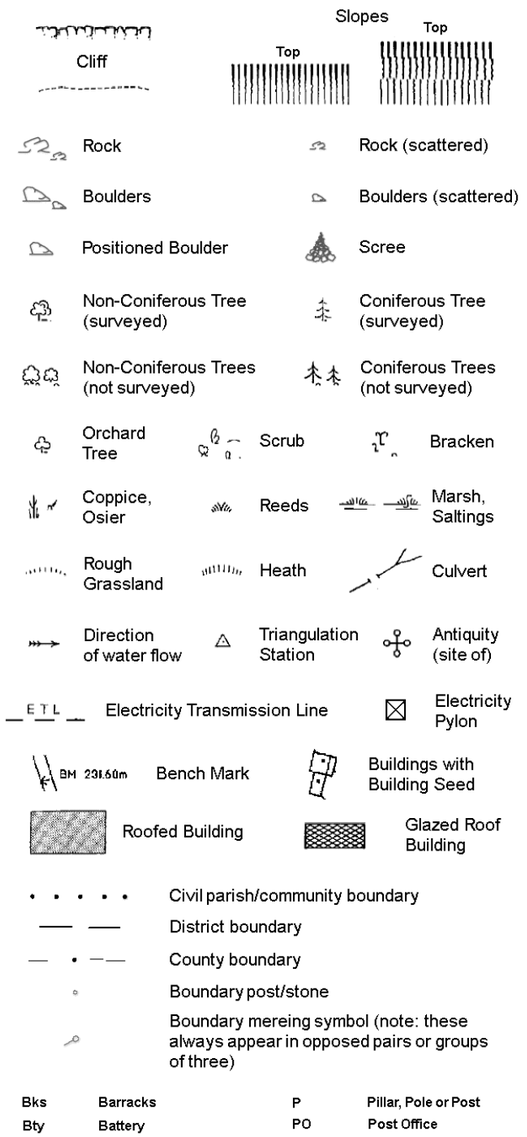
Admin. County or County Bor. Boundary

L B Bdy
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
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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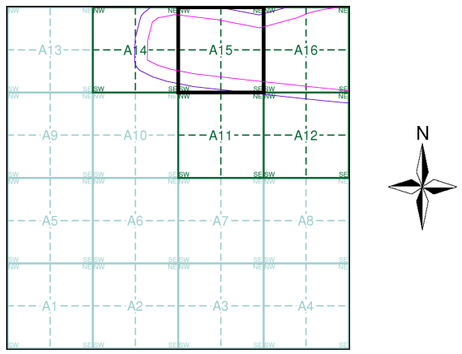
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938 - 1939	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Ordnance Survey Plan	1:2,500	1968 - 1977	7
Supply of Unpublished Survey Information	1:2,500	1973	8
Ordnance Survey Plan	1:2,500	1984	9
Additional SIMs	1:2,500	1989	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1995	12
Large-Scale National Grid Data	1:2,500	1996	13
Large-Scale National Grid Data	1:2,500	1996	14

Historical Map - Segment A15



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

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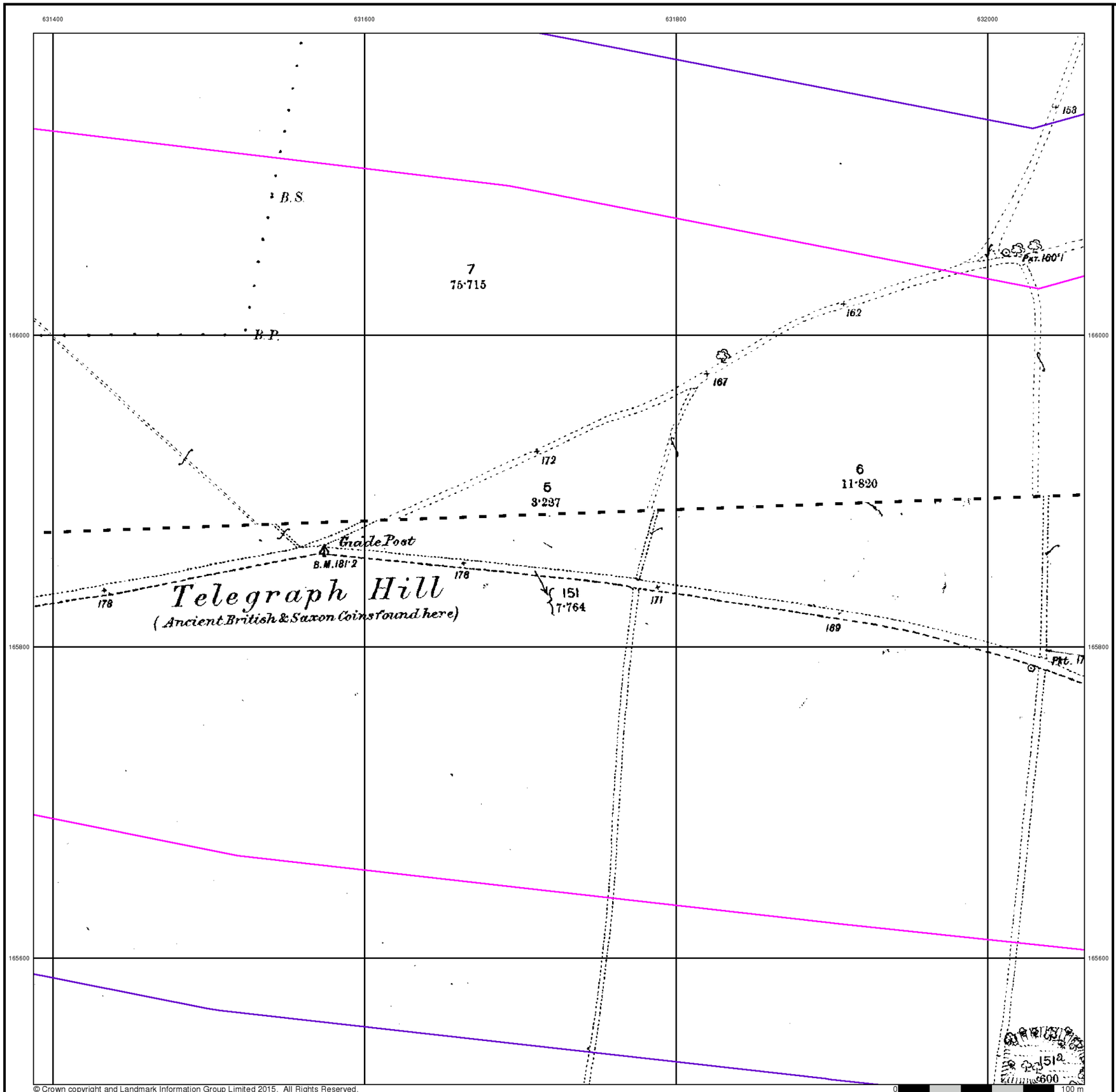
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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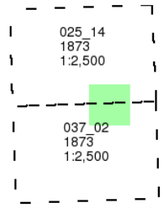
Kent

Published 1873

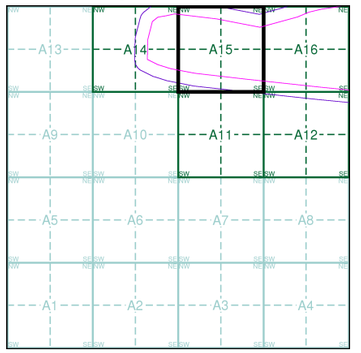
Source map scale - 1:2,500

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 A15



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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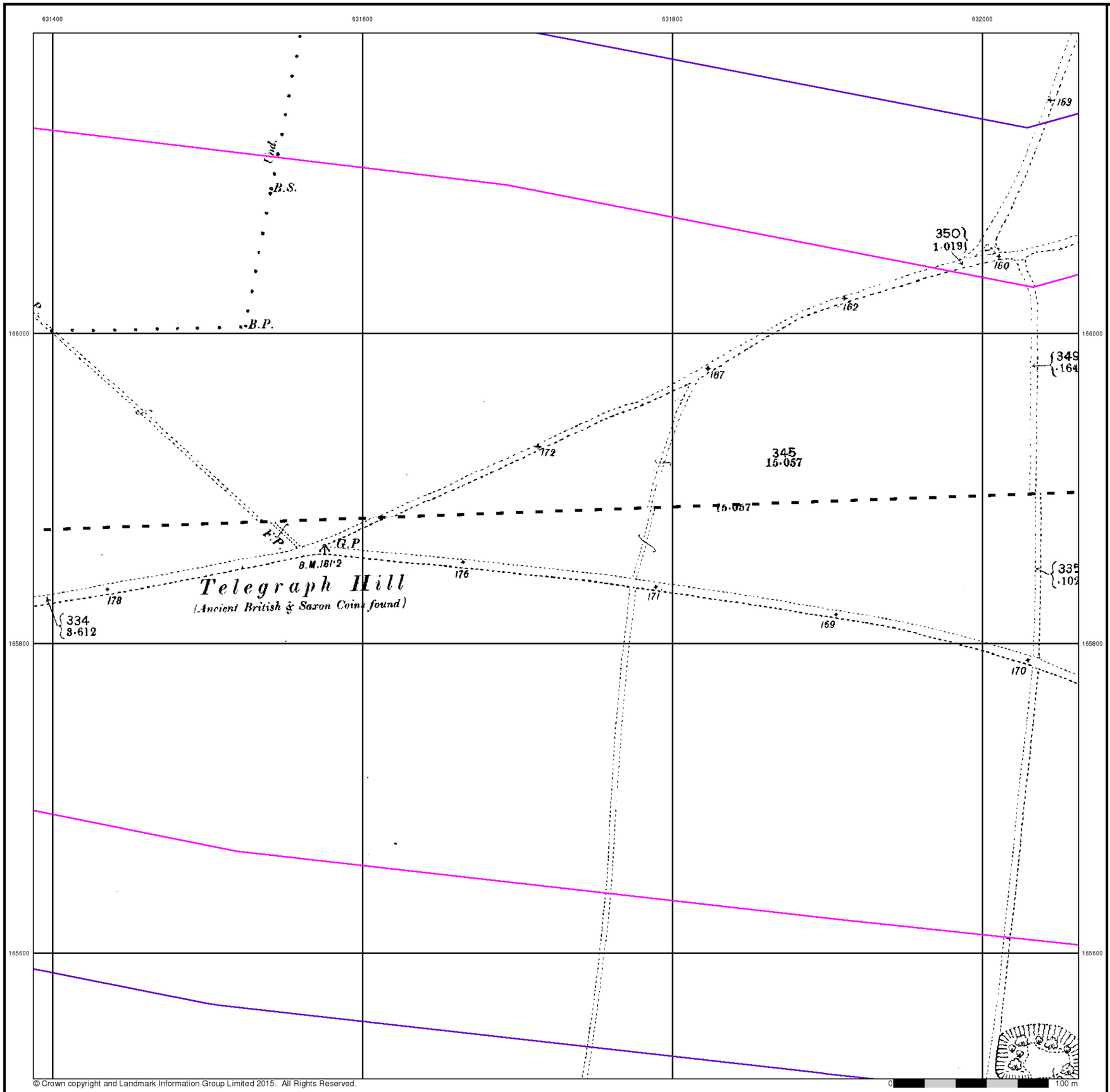


Envirocheck®

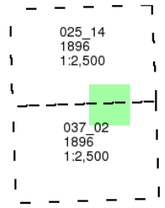
Kent

Published 1896

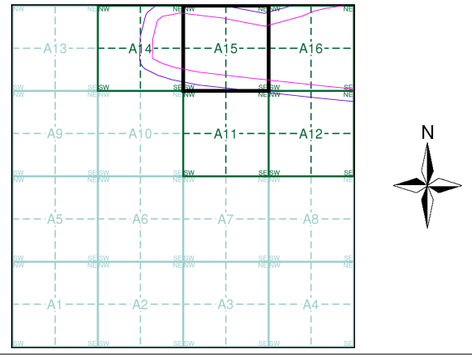
Source map scale - 1:2,500

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 A15



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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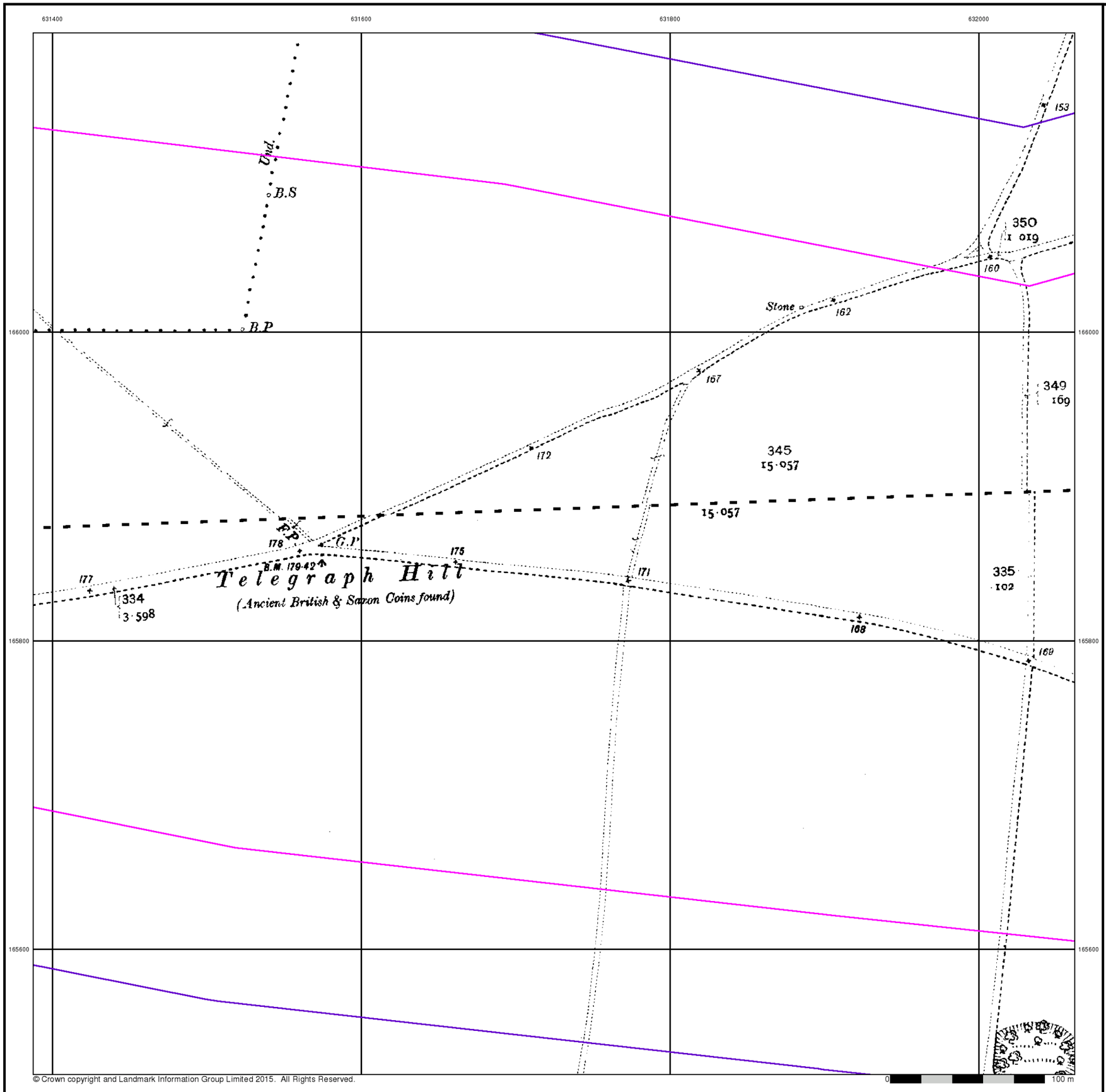


Envirocheck®

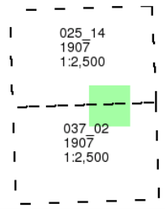
Kent

Published 1907

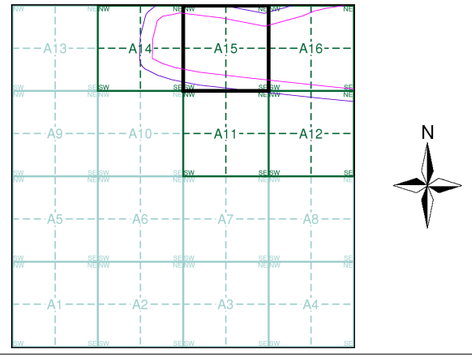
Source map scale - 1:2,500

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 A15



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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631400 631600 631800 632000

166000 166000

165800 165800

165600 165600

Und.

B.S

153

350
1·543

L.B

180

Stone

Stone

182

Stones

167

345
8·402

349
·169

172

B.2190

178

Pillar

+G.P

A.253

BM.179·42

175

171

345
6·223

335
·102

T e l e g r a p h H i l l

(Ancient British & Saxon Coins found)

177

168

169

Stone

Stone

321a
1·418

0 100 m

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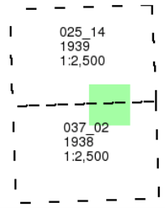
Kent

Published 1938 - 1939

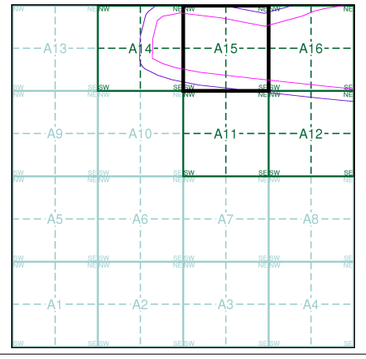
Source map scale - 1:2,500

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 A15



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
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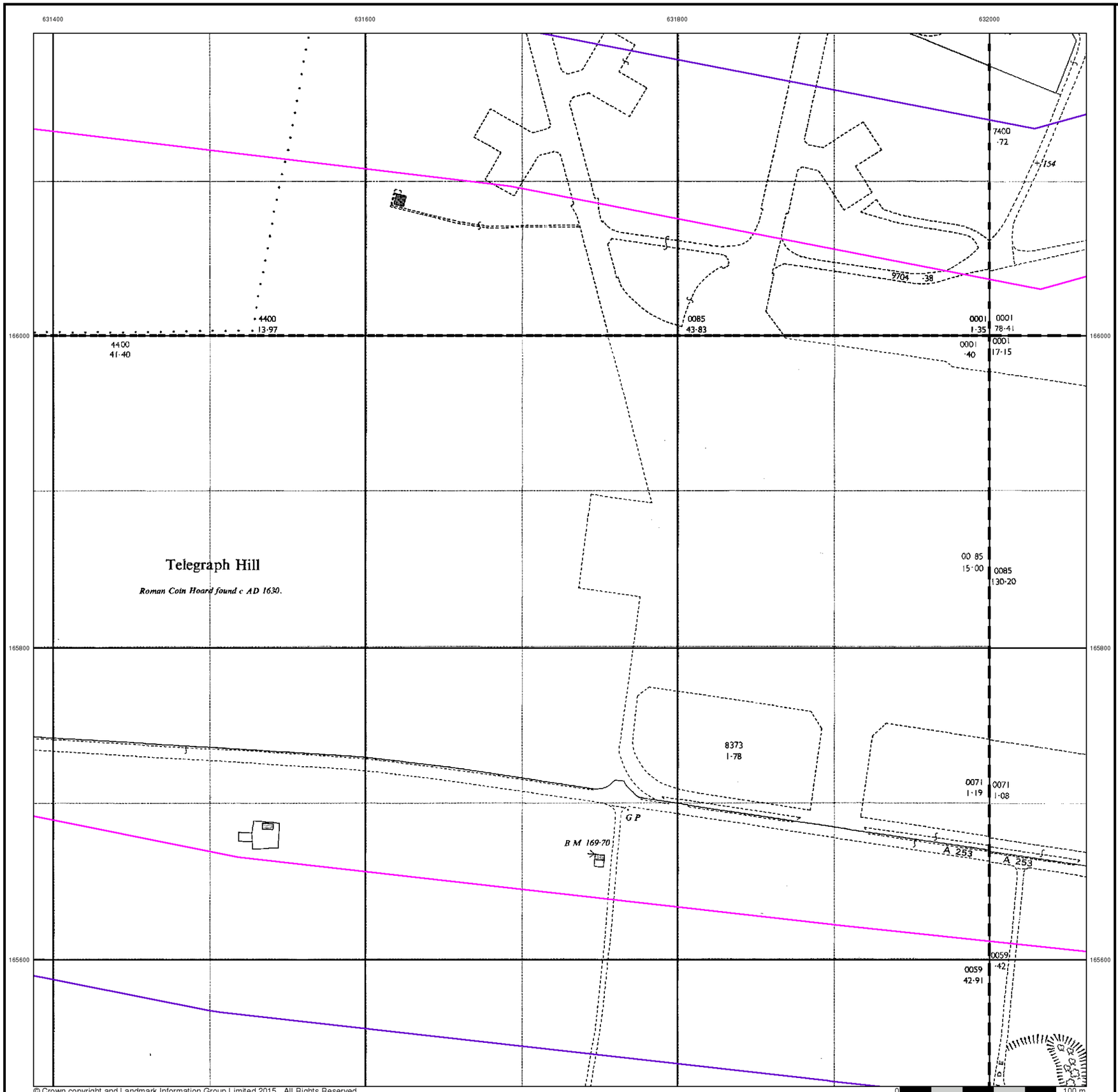

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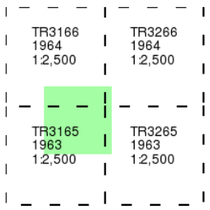
Ordnance Survey Plan

Published 1963 - 1964

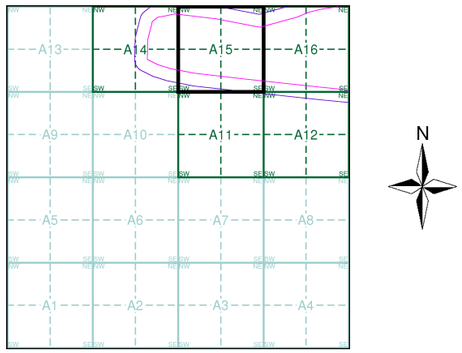
Source map scale - 1:2,500

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 A15



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
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Site Details

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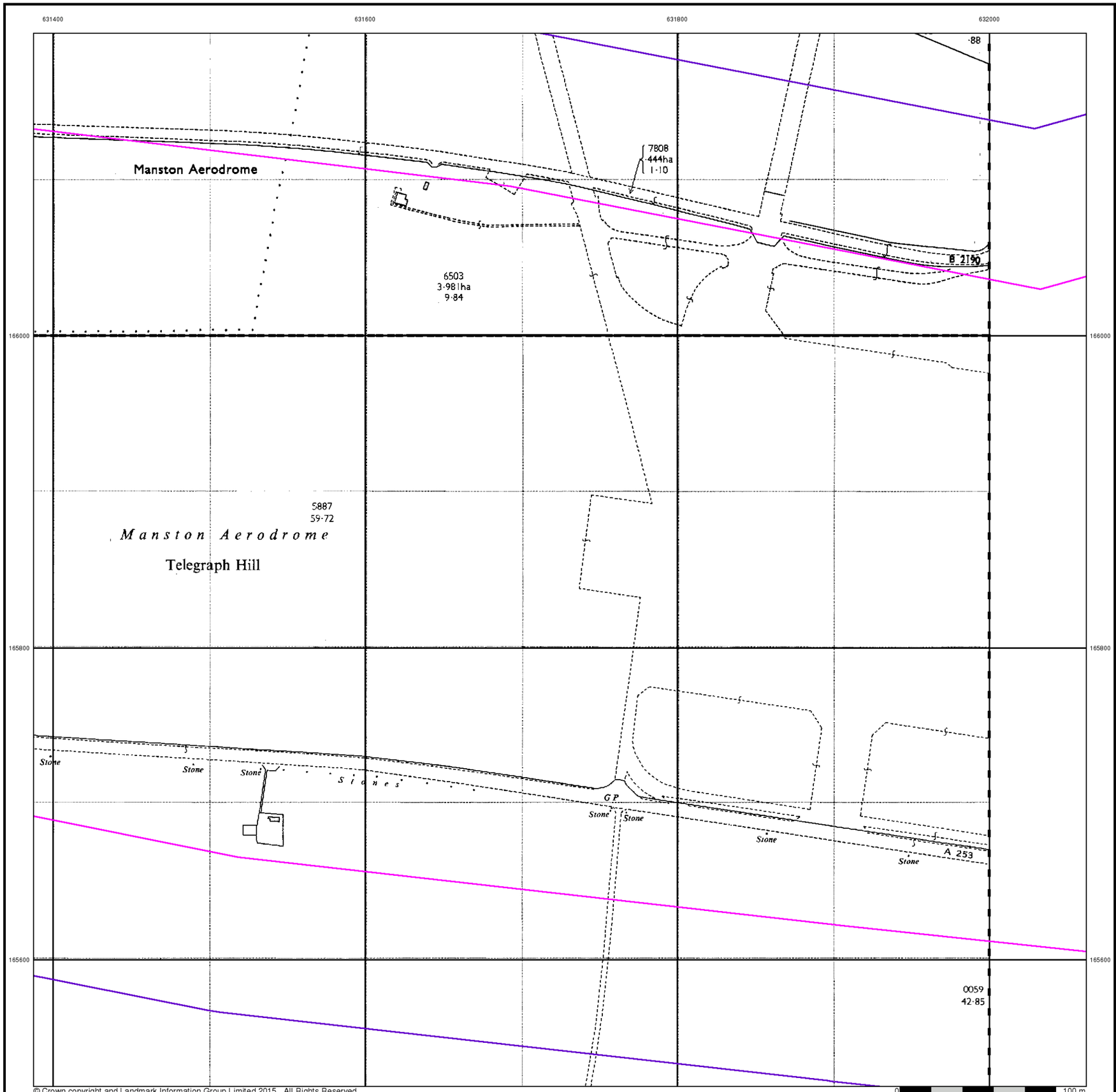

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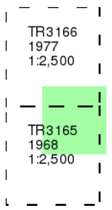
Ordnance Survey Plan

Published 1968 - 1977

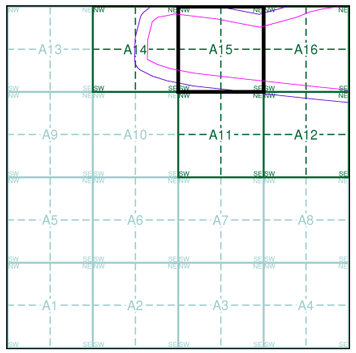
Source map scale - 1:2,500

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 A15



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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Web: www.envirocheck.co.uk

631400 631600 631800 632000

166000

5887
59·72

Manston Aerodrome

Telegraph Hill

Stone Stone Stone Stone Stone Stone Stone Stone

G P

A 253

0059
42·85

165800

165600

0 100 m

Envirocheck®

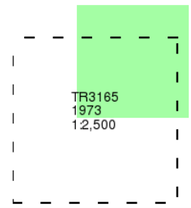
Supply of Unpublished Survey Information

Published 1973

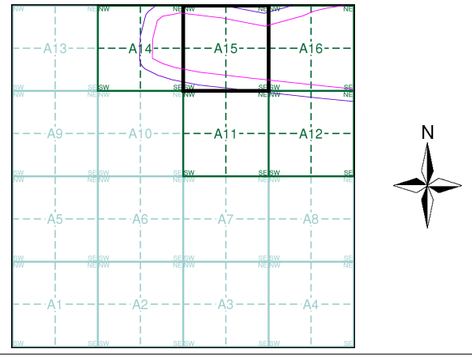
Source map scale - 1:2,500

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)



Historical Map - Segment A15



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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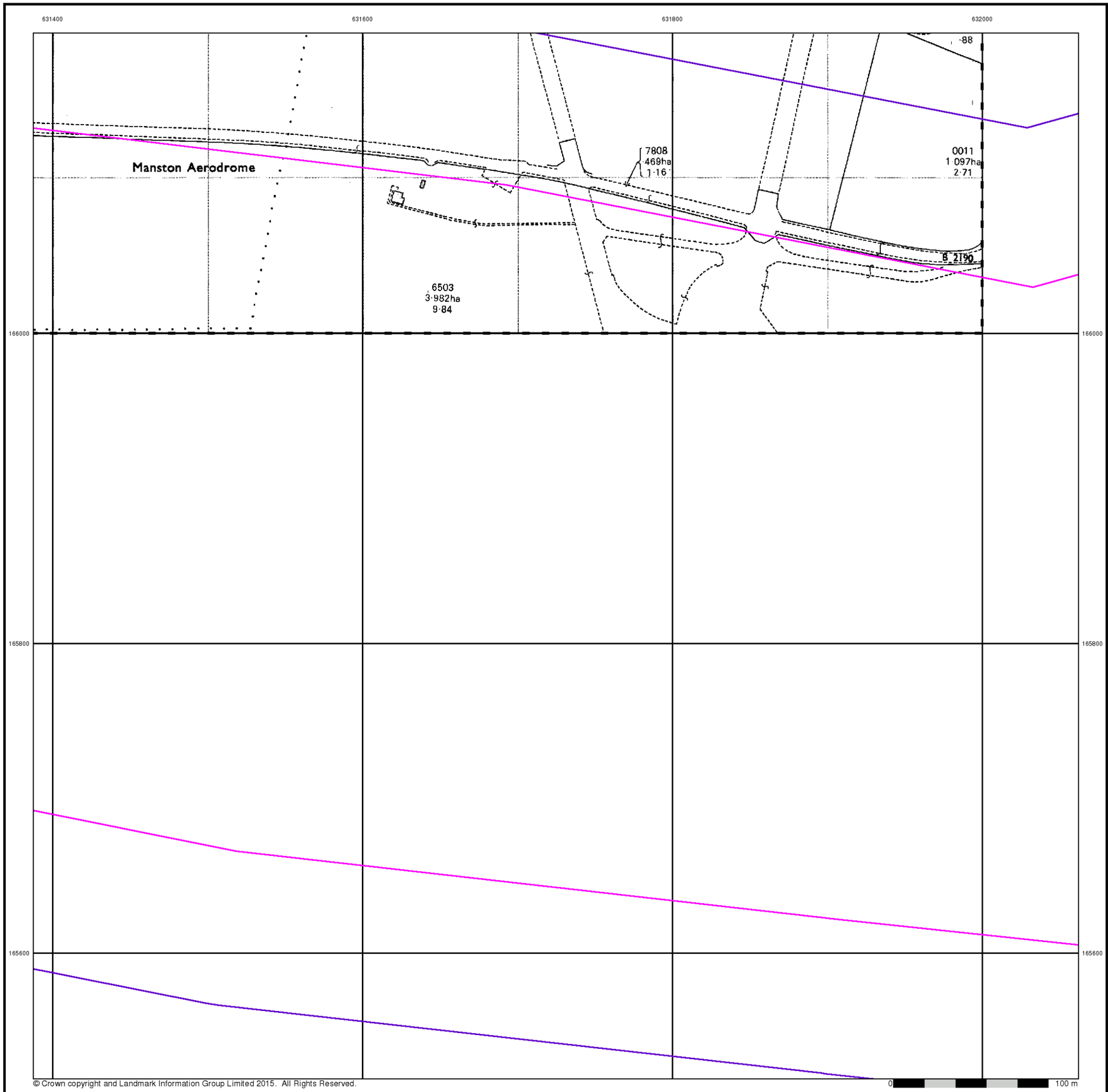

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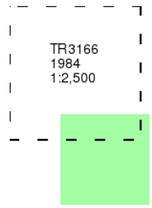
Ordnance Survey Plan

Published 1984

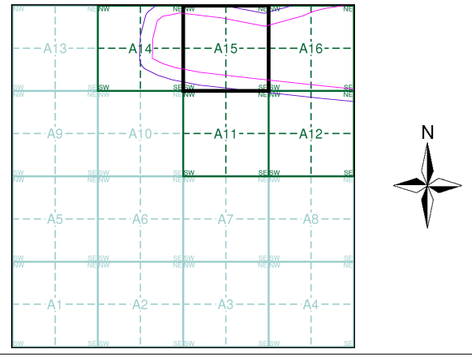
Source map scale - 1:2,500

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 A15



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
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Site Details

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631400 631600 631800 632000

166000 165800 165600

Manston Aerodrome

Telegraph Hill

Runway

53·7m

Stones

BM 51·88m

49·5m

A 253

7400
·72

46·9m

B2190

0001
78·41

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0 100 m

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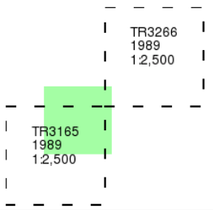
Additional SIMs

Published 1989

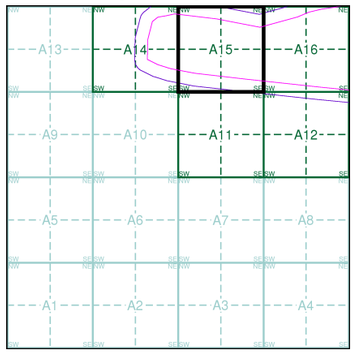
Source map scale - 1:2,500

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 A15



Order Details

Order Number:	82787389_1_1
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National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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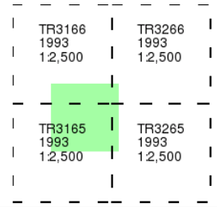
Large-Scale National Grid Data

Published 1993

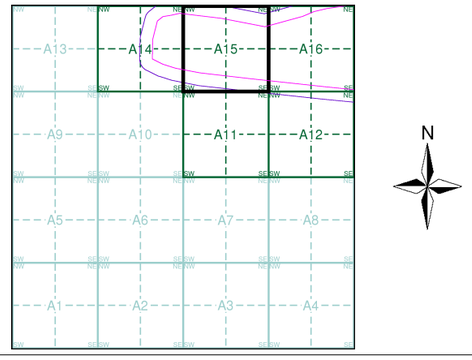
Source map scale - 1:2,500

'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)



Historical Map - Segment A15



Order Details

Order Number:	82787389_1_1
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Slice:	A
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0 100 m

Envirocheck®

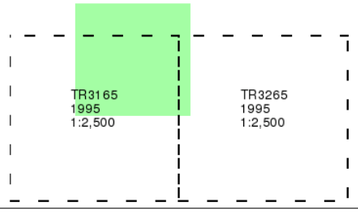
Large-Scale National Grid Data

Published 1995

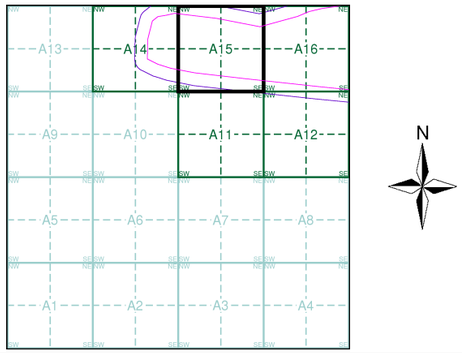
Source map scale - 1:2,500

'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 A15



Order Details

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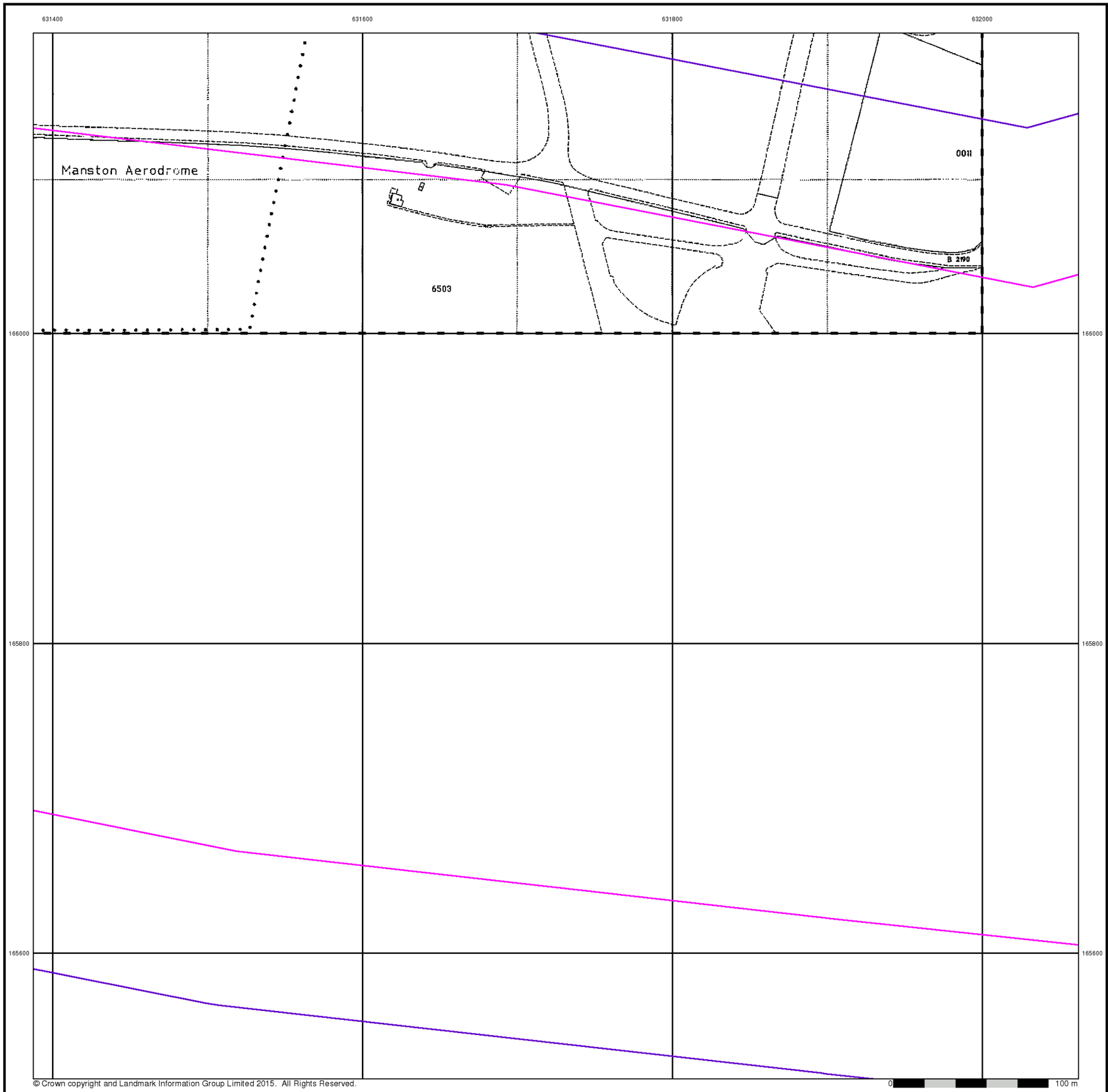


Envirocheck®

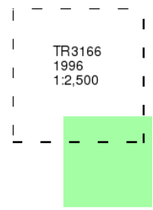
Large-Scale National Grid Data

Published 1996

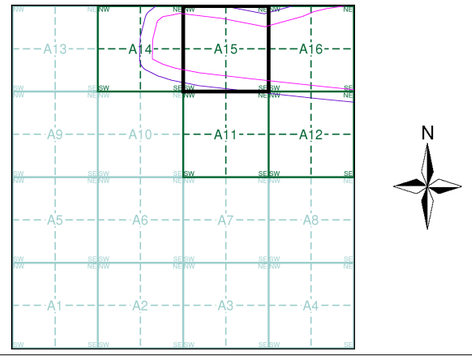
Source map scale - 1:2,500

'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 A15



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631550, 165460
Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

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

Envirocheck®

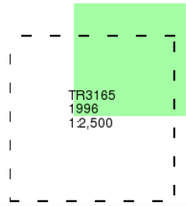
Large-Scale National Grid Data

Published 1996

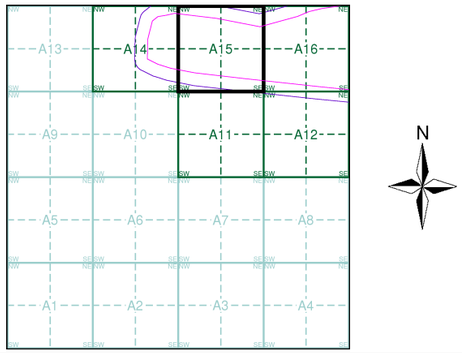
Source map scale - 1:2,500

'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 A15



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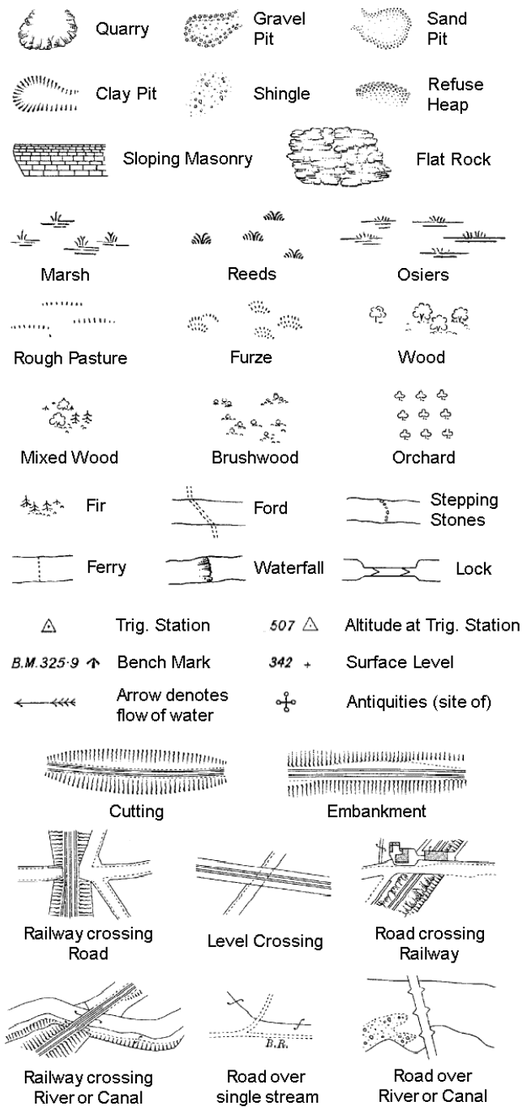
Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

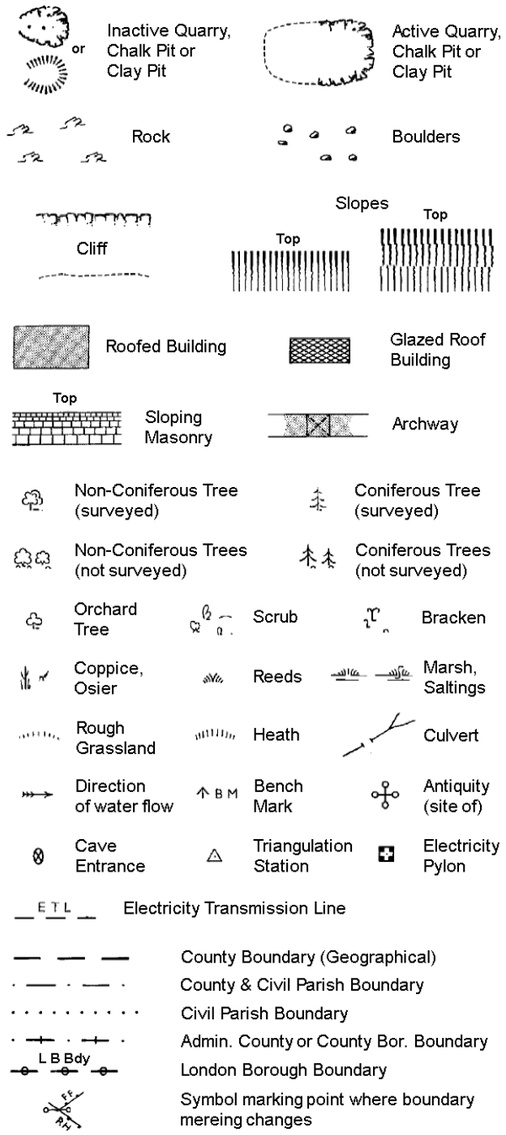
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

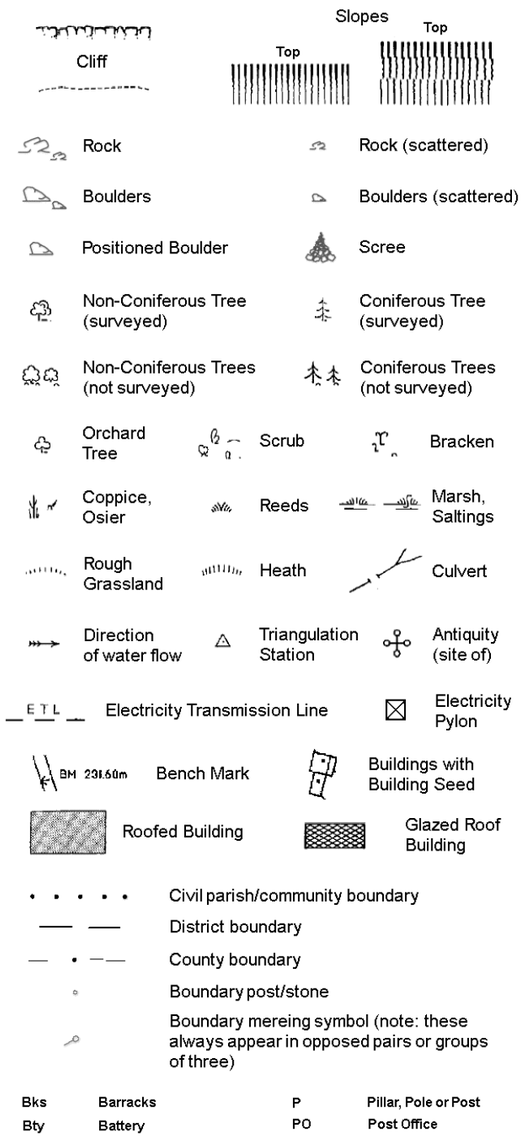
Admin. County or County Bor. Boundary

L B Bdy 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
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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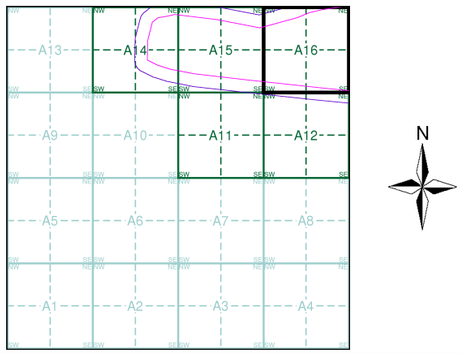
Historical Mapping & Photography included:

Historical Map - Segment A16



Order Details

Order Number:	82787389_1_1
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Slice:	A
Site Area (Ha):	306.39
Search Buffer (m):	100

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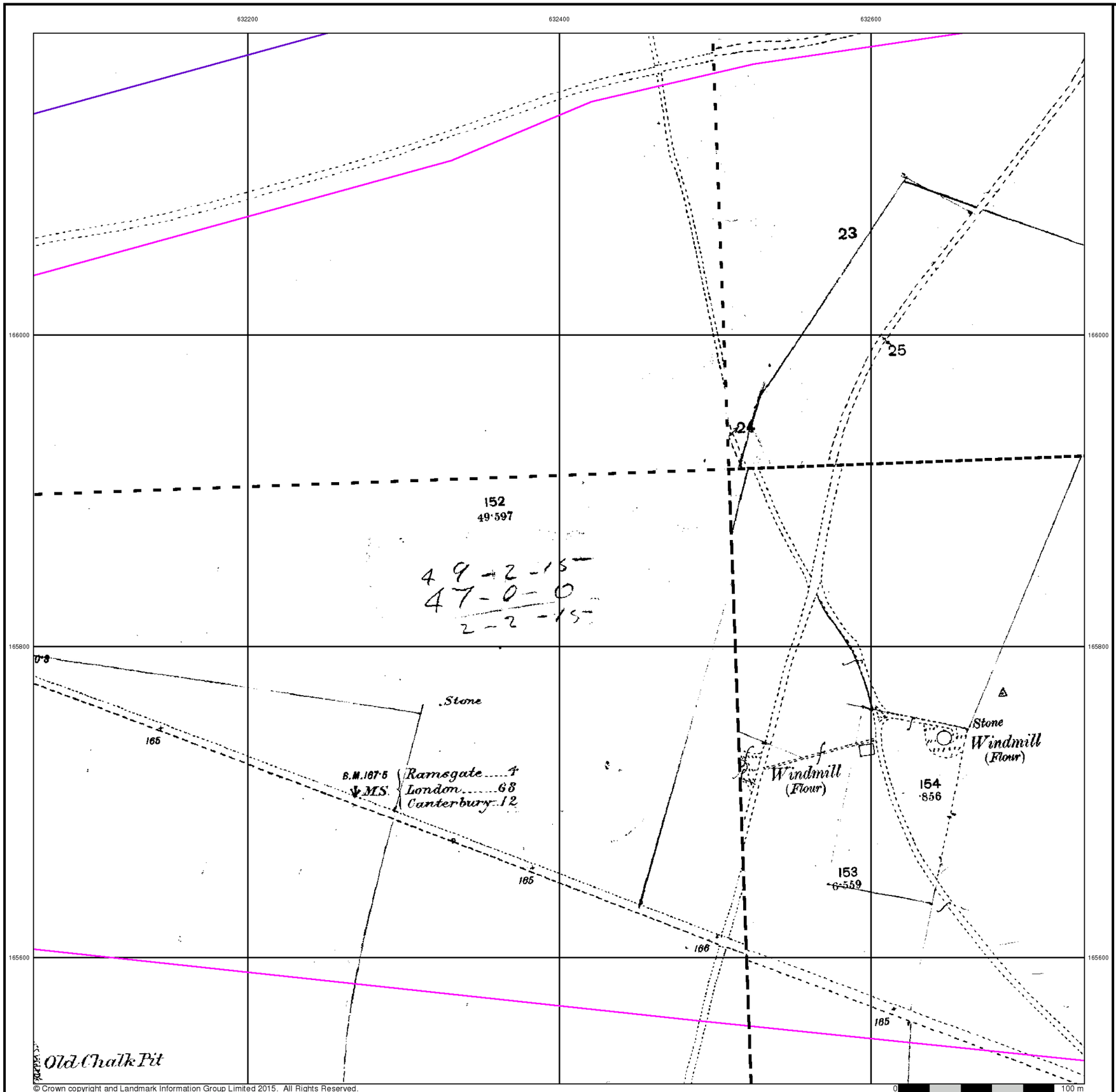

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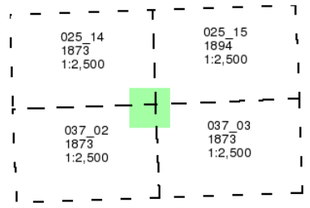
Kent

Published 1873 - 1894

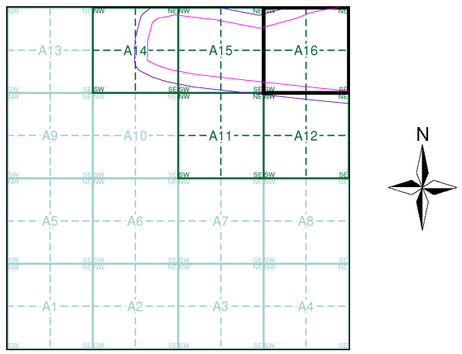
Source map scale - 1:2,500

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 A16



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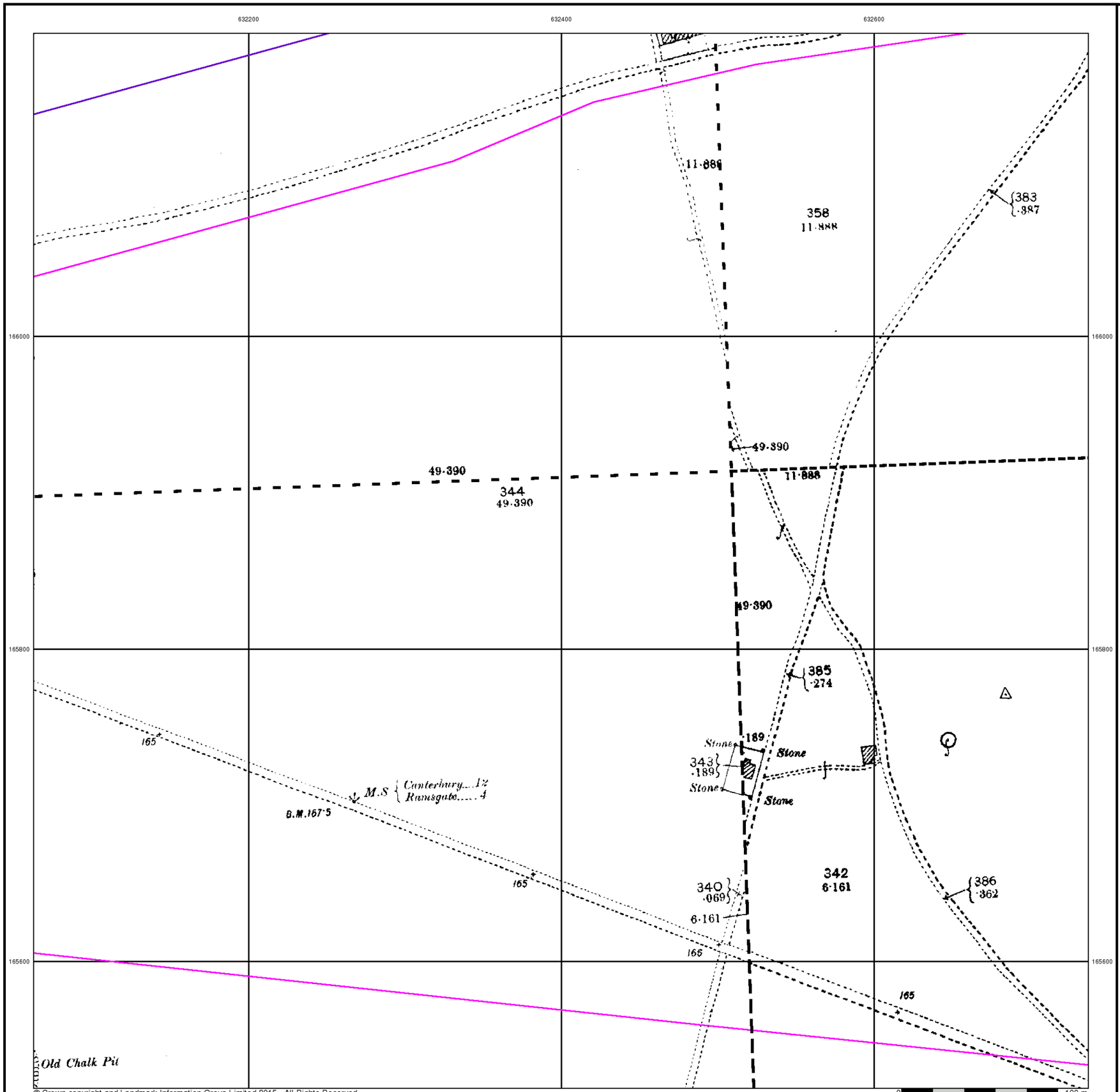

Envirocheck®

Kent

Published 1896

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.

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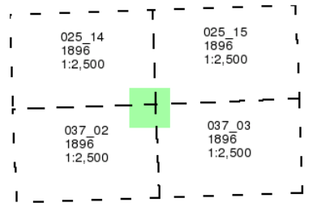
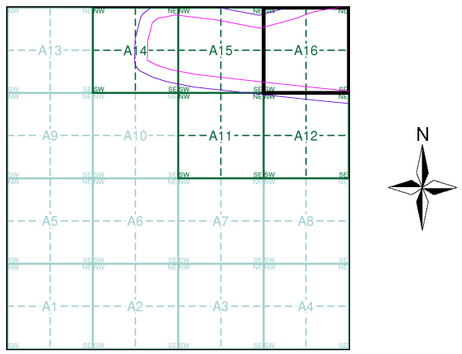


Historical Map - Segment A16



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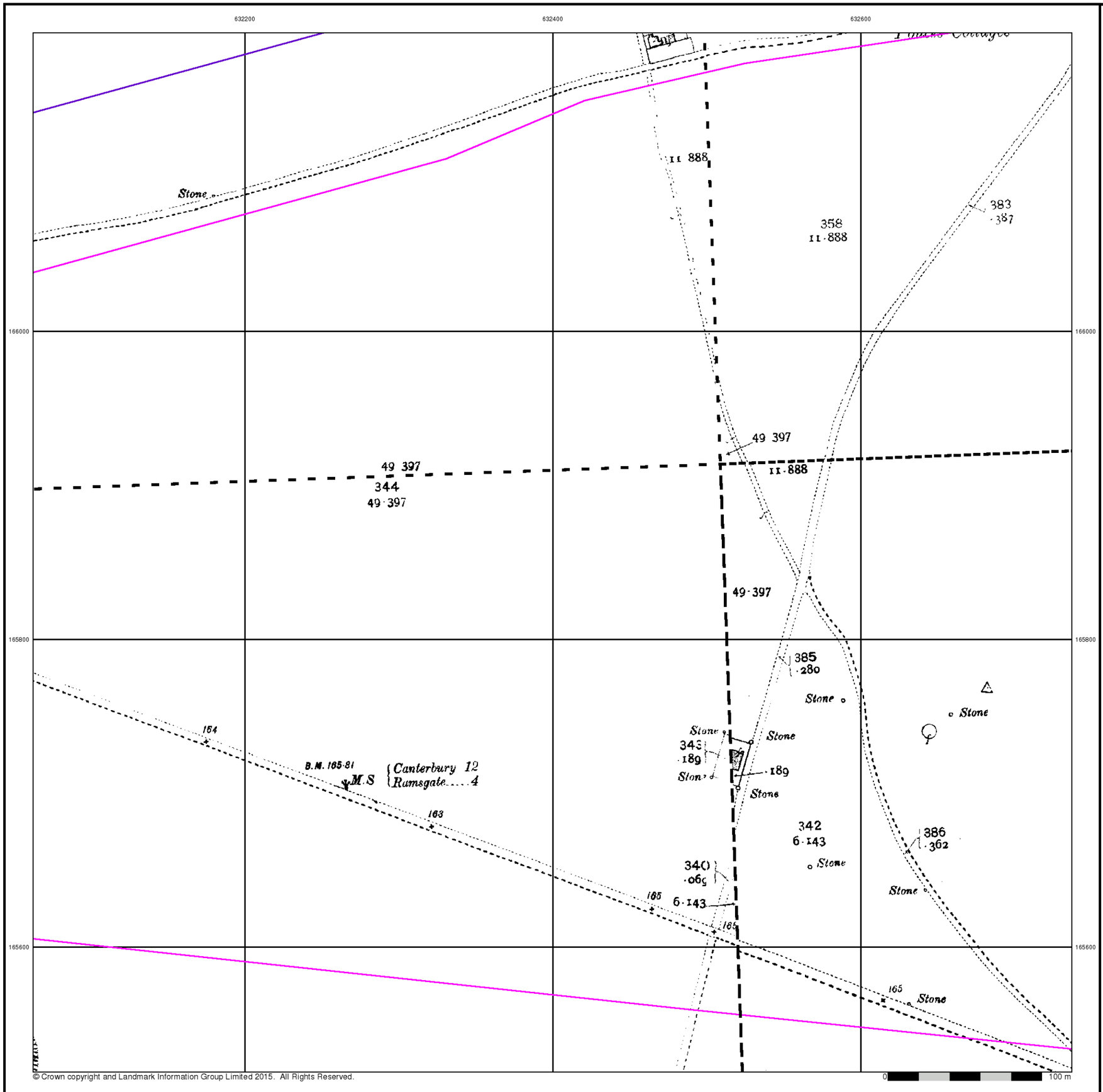


Envirocheck®

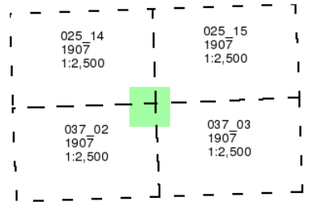
Kent

Published 1907

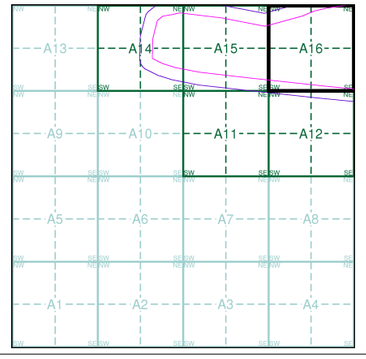
Source map scale - 1:2,500

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 A16



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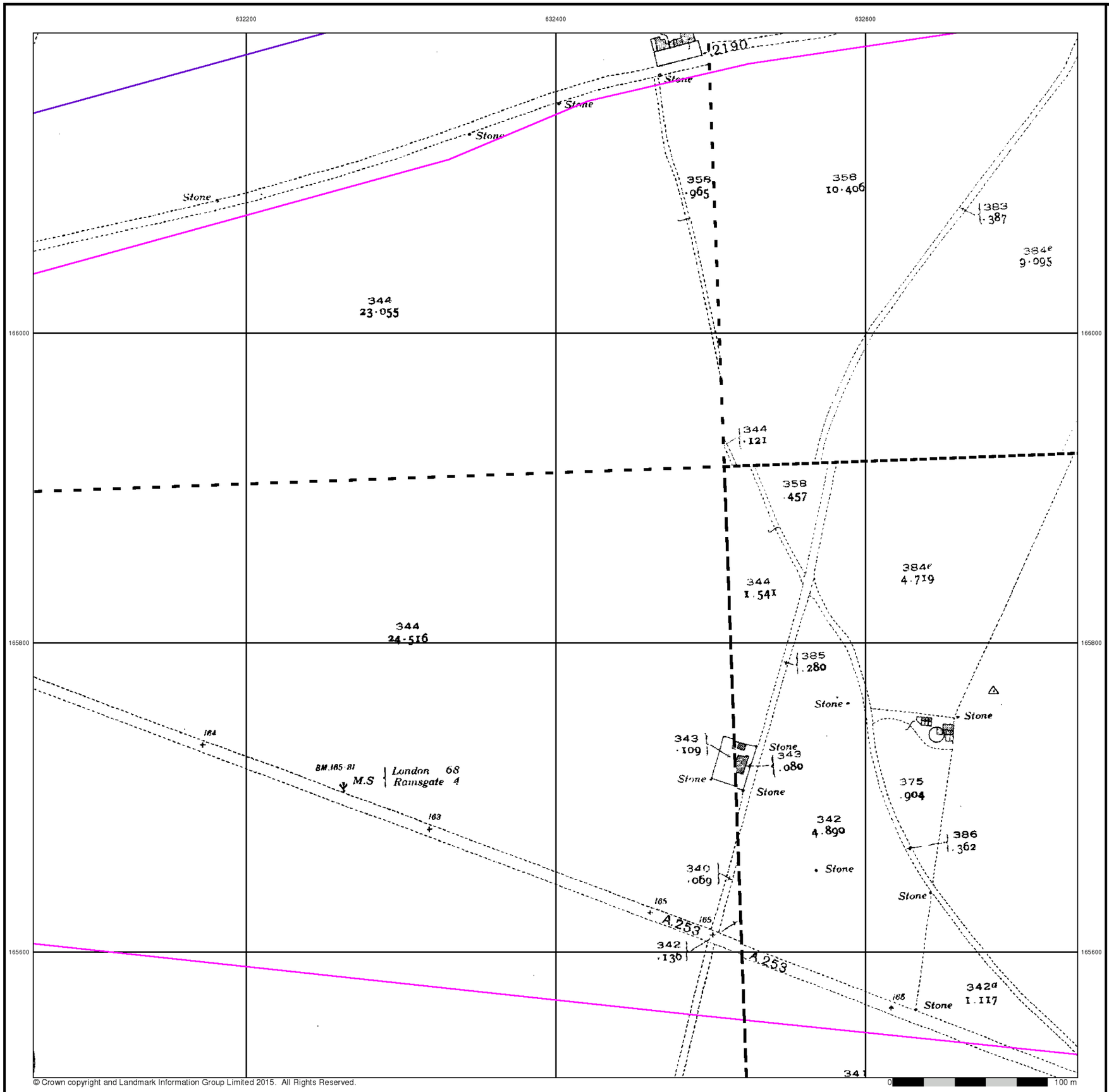

Envirocheck®

Kent

Published 1938 - 1939

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.

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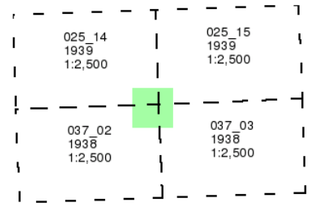
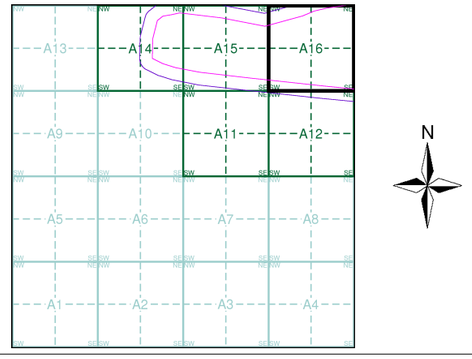


Historical Map - Segment A16



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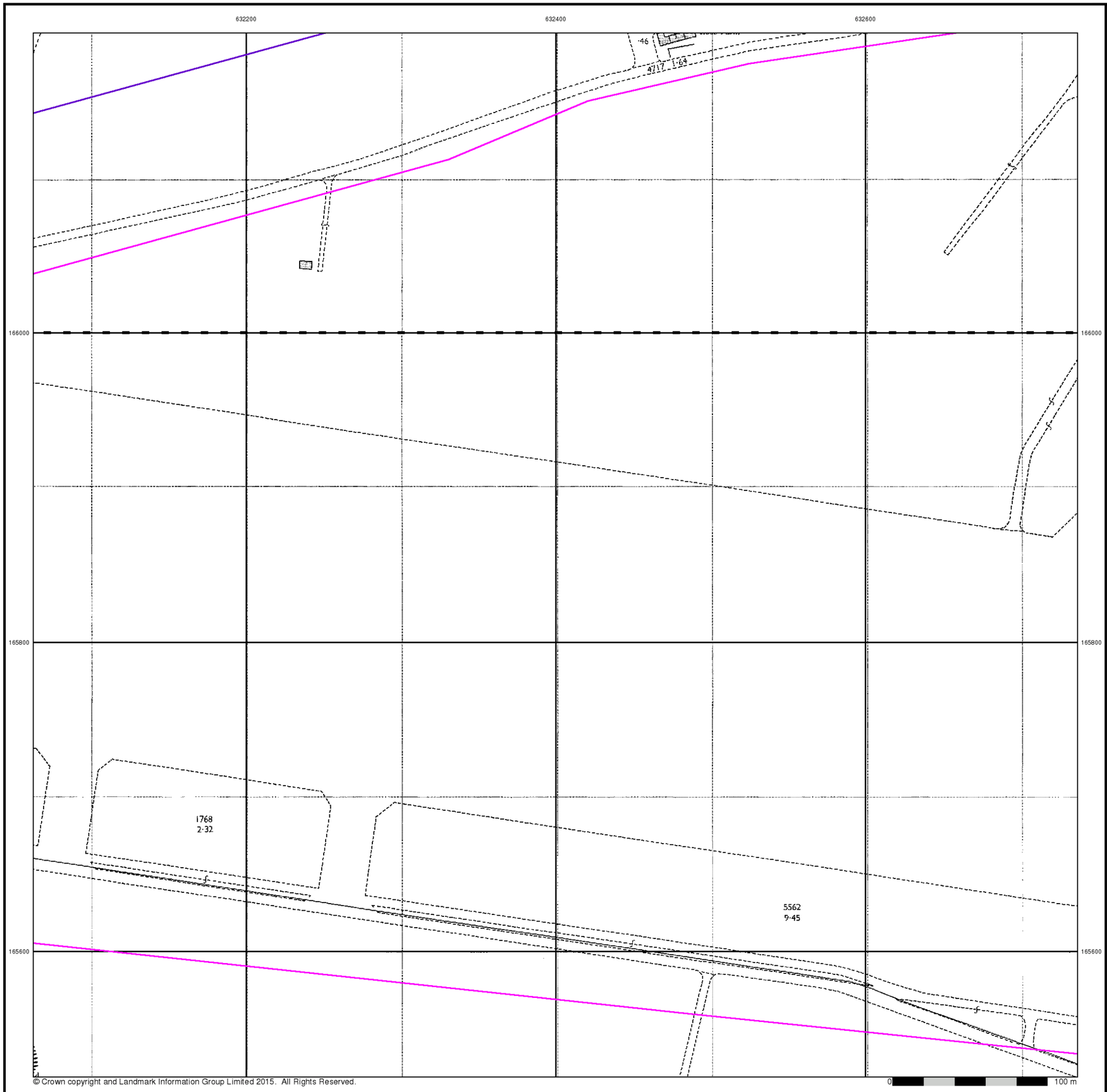


Envirocheck®

Ordnance Survey Plan

Published 1963 - 1964

Source map scale - 1:2,500

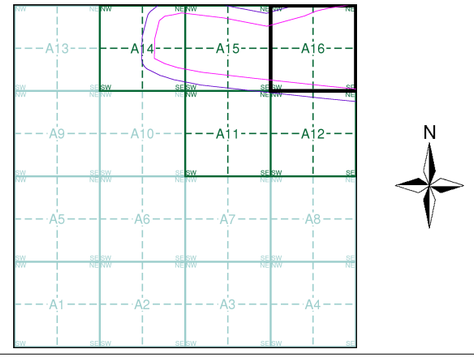
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

TR3266
1964
1:2,500

TR3265
1963
1:2,500

Historical Map - Segment A16



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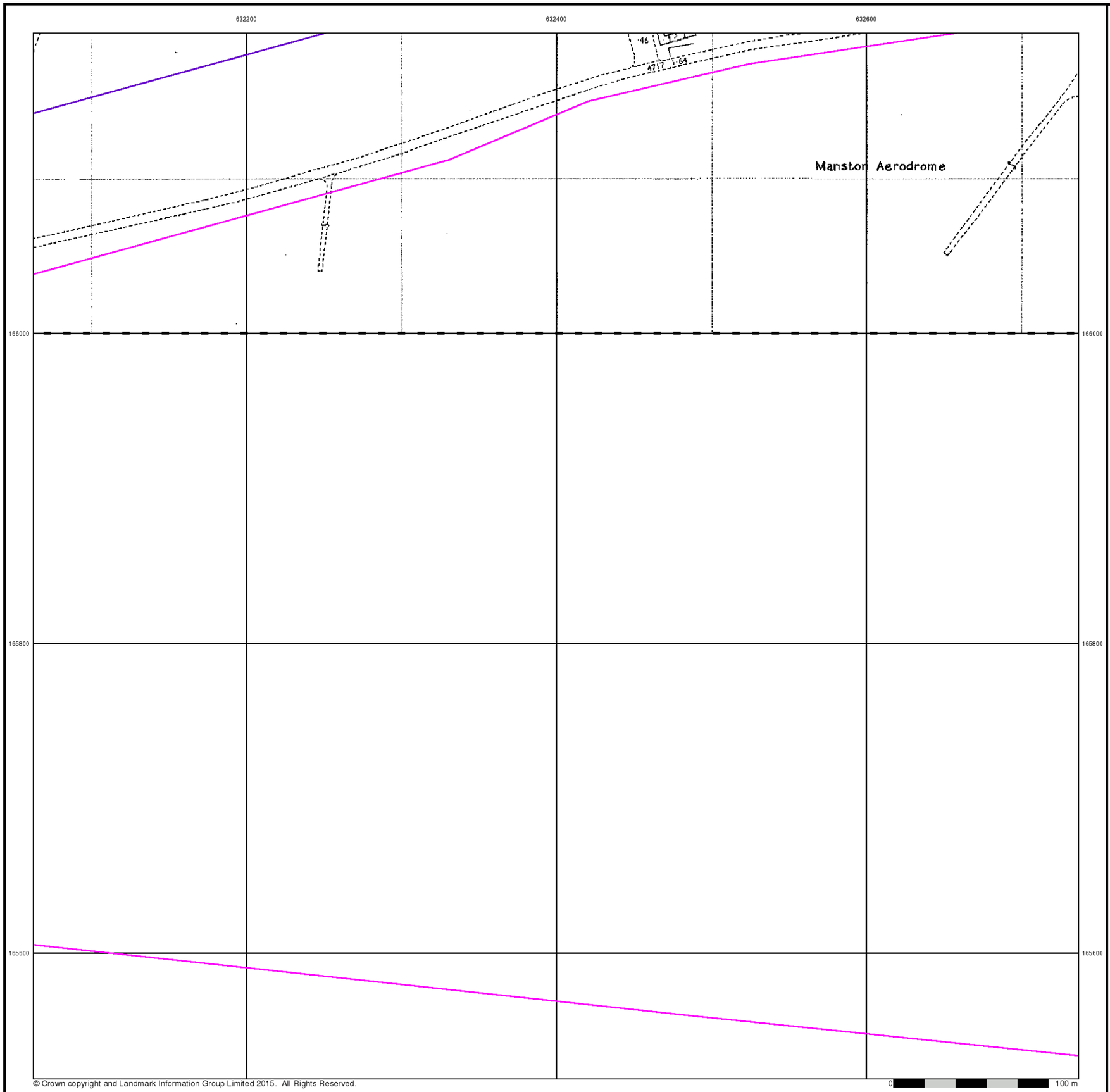


Envirocheck®

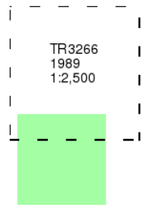
Additional SIMs

Published 1989

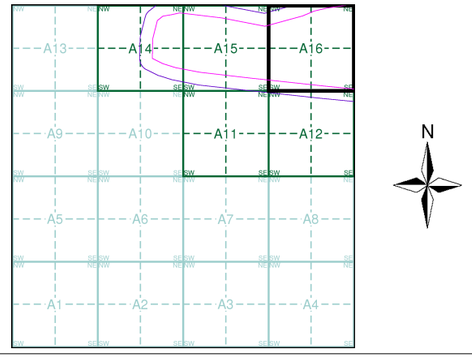
Source map scale - 1:2,500

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 A16



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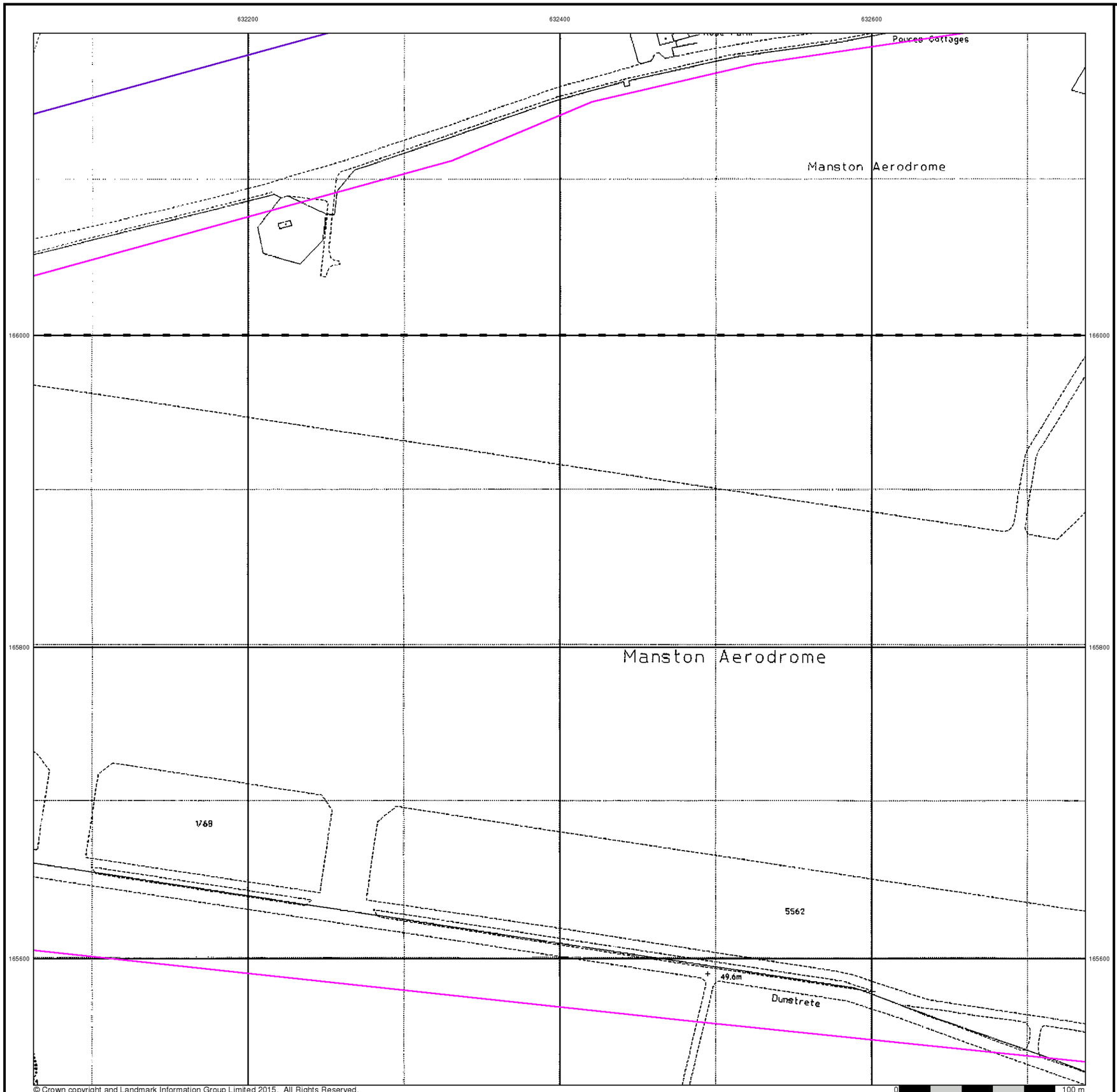


Envirocheck®

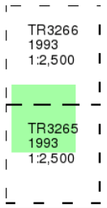
Large-Scale National Grid Data

Published 1993

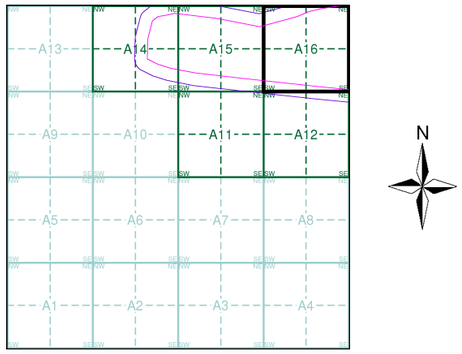
Source map scale - 1:2,500

'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)



Historical Map - Segment A16



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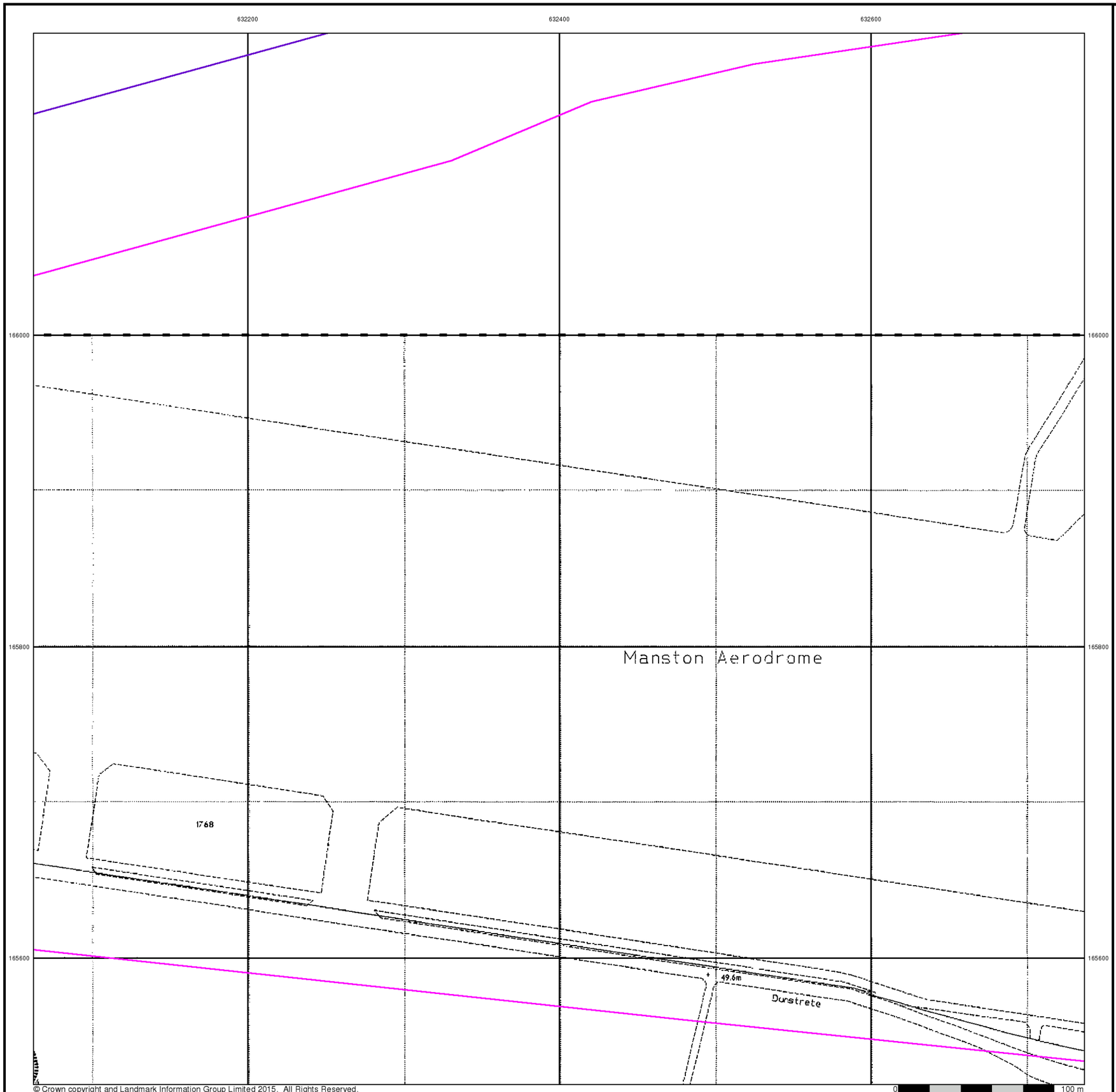

Envirocheck®

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.

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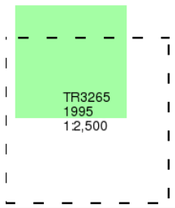
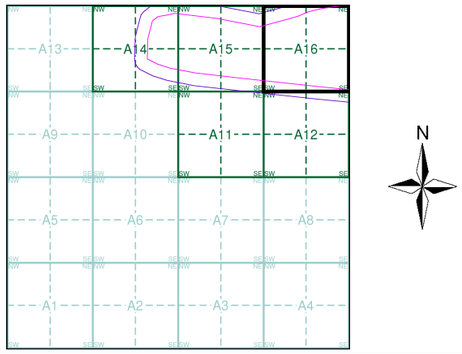


Historical Map - Segment A16



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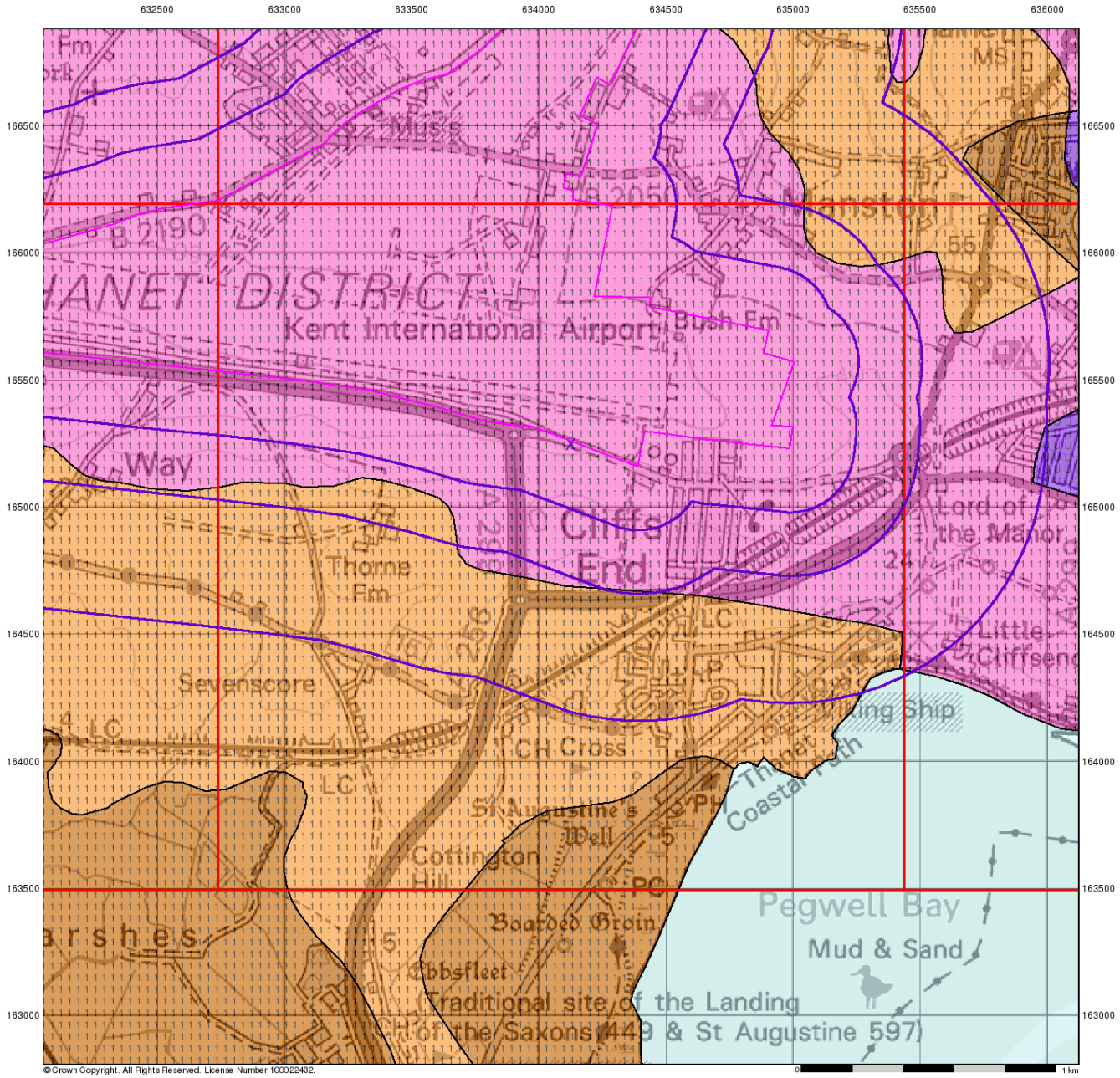


Groundwater Vulnerability

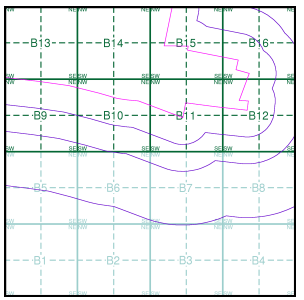
General

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

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice B



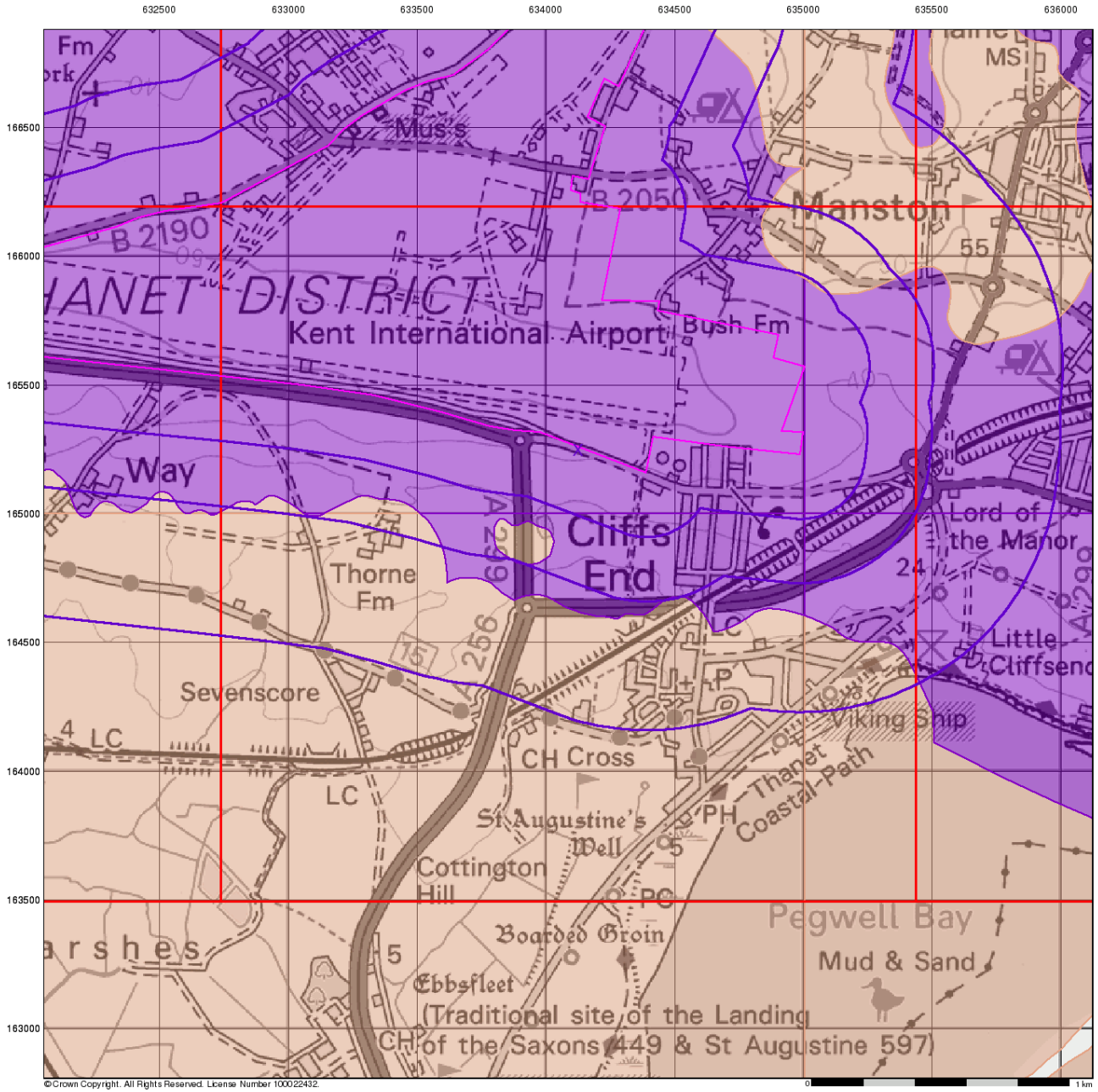
Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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



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Bedrock Aquifer Designation

General

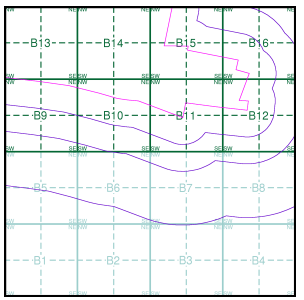
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice B

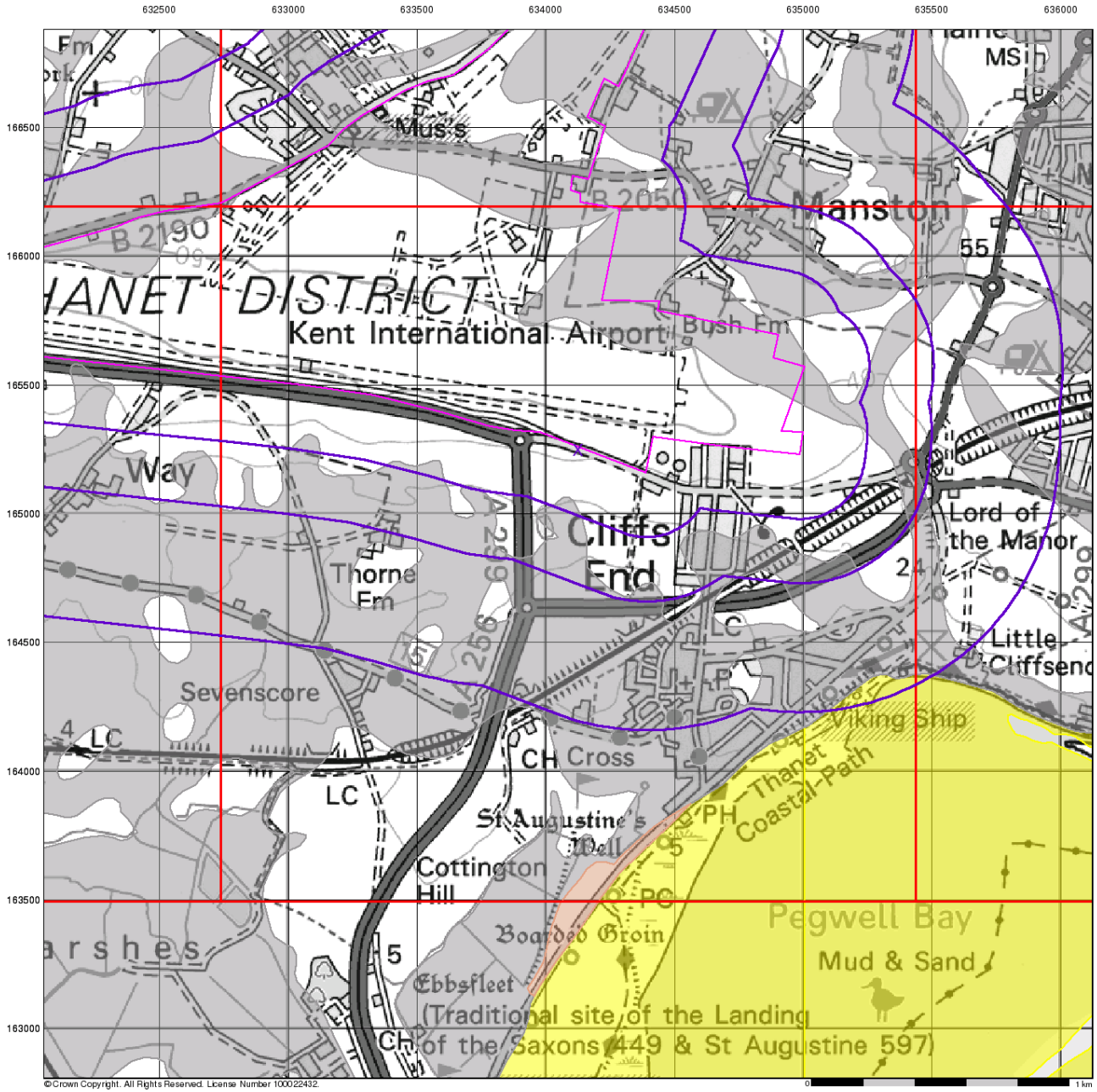


Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL



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Superficial Aquifer Designation

General

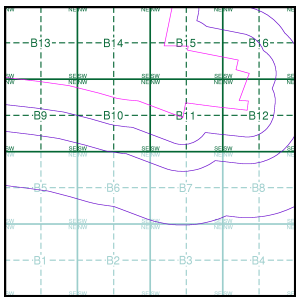
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice B

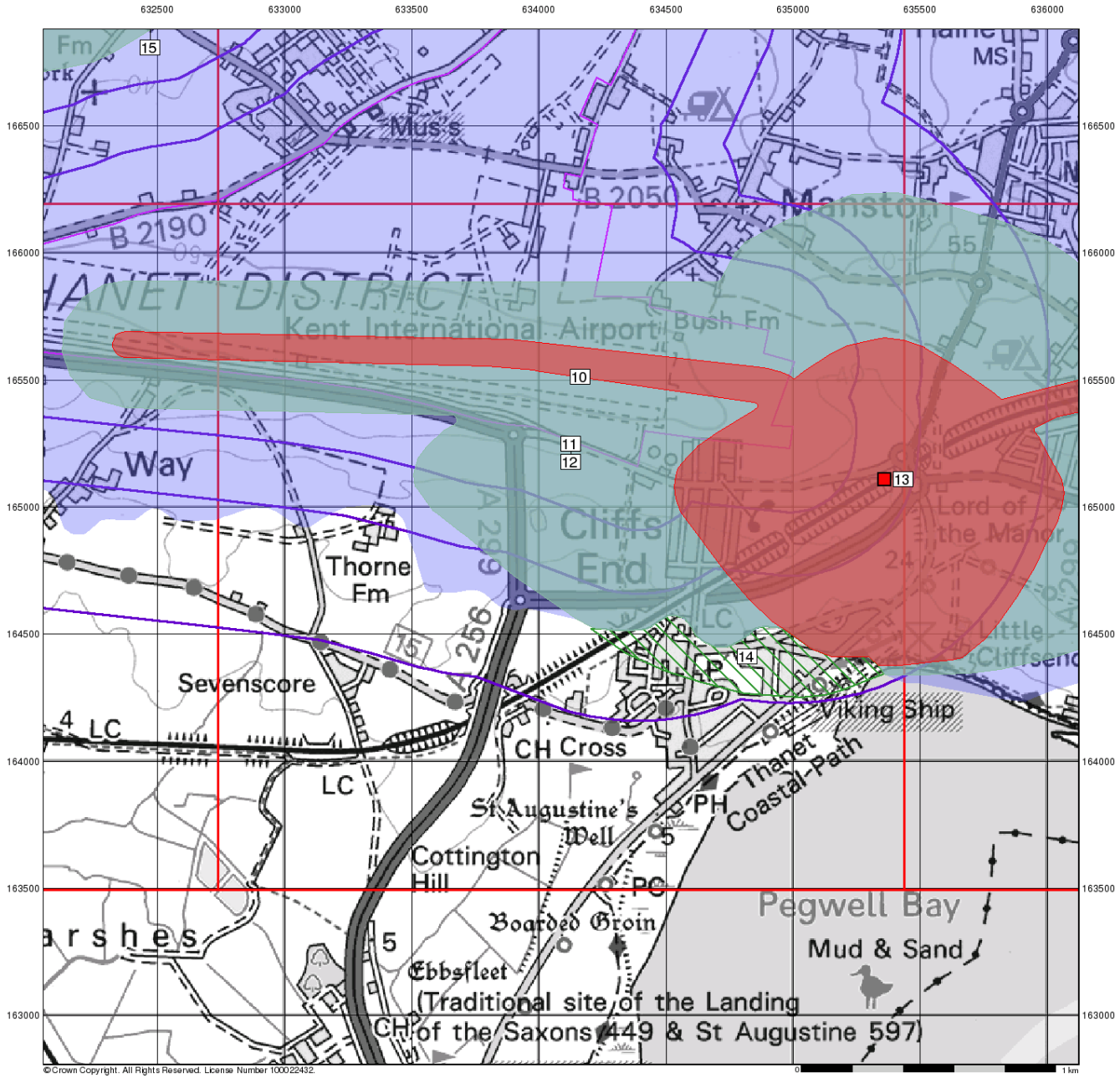


Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL



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Source Protection Zones

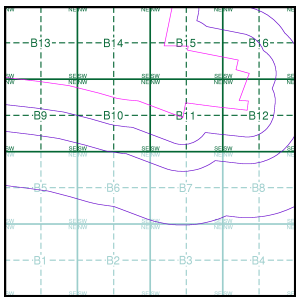
General

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)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice B



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
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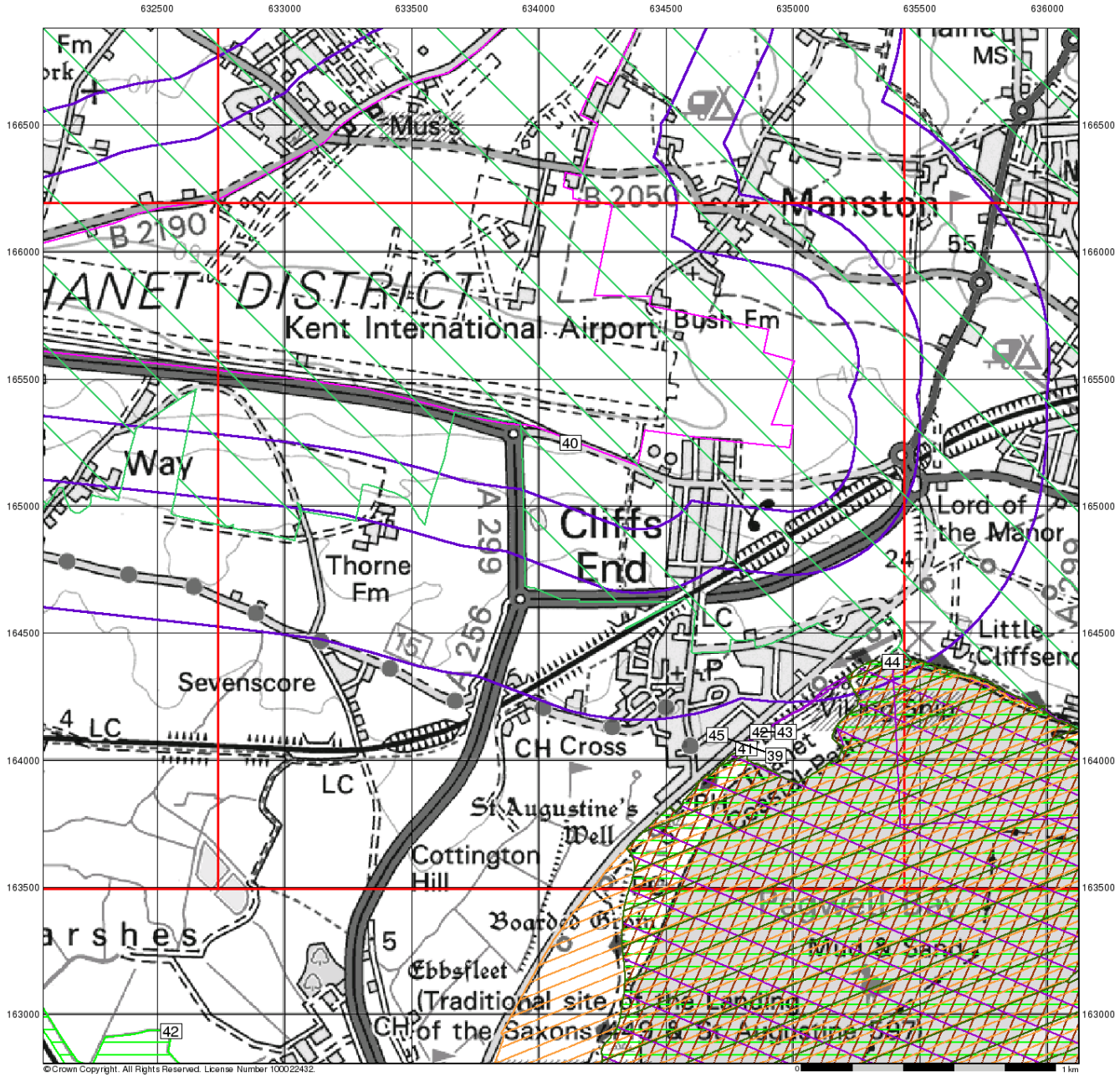
Web: www.envirocheck.co.uk



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Sensitive Land Uses

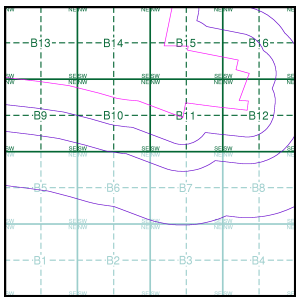
General

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

Sensitive Land Uses

- 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

Site Sensitivity Context Map - Slice B



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
82787389_1_1

Customer Reference:
38199-15

National Grid Reference:
634120, 165250

Slice:
B

Site Area (Ha):
306.39

Search Buffer (m):
1000

Site Details:

Kent International Airport Ltd
Kent International Airport, Manston
RAMSGATE
Kent
CT12 5BL

Client Details:

Ms V Dahmoun
Amec Foster Wheeler E & I UK Ltd
Floor 4
60 London Wall
London
United Kingdom
EC2M 5TQ

Contents

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 the attached 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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Peter Brett Associates Copyright Notice

Radon Potential dataset Copyright Notice

Report Version v50.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1	1			2
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 1			Yes	
Pollution Incidents to Controlled Waters	pg 1		2	1	2
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 2			2	(*6)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 4	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Source Protection Zones	pg 5	3		1	2
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage					n/a

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 6			2	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 6		1		
Local Authority Recorded Landfill Sites	pg 6			2	
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 7		1		
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					
Geological					
BGS 1:625,000 Solid Geology	pg 8	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 8	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 21			3	
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 21	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 21	1		1	
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 22	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 22	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 23	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 25	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 26	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Envirocheck®

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 27		6	4	12
Fuel Station Entries	pg 28		1		
Sensitive Land Use					
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	pg 29				1
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 29	1			
Ramsar Sites	pg 29				1
Sites of Special Scientific Interest	pg 29				1
Special Areas of Conservation	pg 29				2
Special Protection Areas	pg 29				1

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: The Modern Jet Support Centre Ltd Property Type: Air Transport Location: Hangar One, Manston Airport, Ramsgate, Kent, Ct12 5bn Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P10757 Permit Version: 1 Effective Date: 27th September 2002 Issued Date: 27th September 2002 Revocation Date: 8th October 2004 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Into Land Receiving Water: Into Land **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	B14NE (N)	0	2	633960 166000
2	**Discharge Consents** Operator: Southern Water Services Ltd (K) Property Type: Sewerage Network - Sewers - Water Company Location: Foads Lane, Ramsgate Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: A00431 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 18th July 1997 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Controlled Sea Receiving Water: Controlled Sea **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	B7NE (SE)	506	2	634600 164700
3	**Discharge Consents** Operator: Southern Water Services Ltd (K) Property Type: Sewerage Network - Sewers - Water Company Location: Cliffsend & Manston Sewerage, Ramsgate, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: K01522 Permit Version: 1 Effective Date: 9th June 1961 Issued Date: 9th June 1961 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	B8SE (SE)	976	2	635160 164270
	Nearest Surface Water Feature	B10SE (SW)	303	-	634002 164984
4	**Pollution Incidents to Controlled Waters** Property Type: Oil Industry (Not Garages) Location: Jentex, Canterbury Road West, Cliffsend, RAMSGATE Authority: Environment Agency, Southern Region Pollutant: Oils - Kerosene Fuel Oil Note: A Range Of Fuel Tanks Caught Fire Possible Leakage Incident Date: 10th May 1992 Incident Reference: CD/099/92 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B11NE (E)	87	2	634500 165200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Jentex, RAMSGATE Authority: Environment Agency, Southern Region Pollutant: Crude Sewage Note: Beach Oil And Water Worked Into Drains; Miscellaneous Premises: Other Incident Date: 22nd July 1995 Incident Reference: 295203 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Plc Sewage Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B11SE (E)	125	2	634500 165100
6	**Pollution Incidents to Controlled Waters** Property Type: Domestic/Residential Location: Romney Marsh, RUCKINGE, Kent Authority: Environment Agency, Southern Region Pollutant: Oils - Kerosene Fuel Oil Note: Kerosene Leak Incident Date: 31st December 1997 Incident Reference: 297487 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	B10SE (SW)	287	2	634001 165001
7	**Pollution Incidents to Controlled Waters** Property Type: Domestic/Residential Location: Foads Lane, Berwick Weald Authority: Environment Agency, Southern Region Pollutant: Oils - Kerosene Fuel Oil Note: Diesel In Stream Incident Date: 7th June 1996 Incident Reference: 296229 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	B8SW (SE)	729	2	635001 164501
8	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Cliffes End Authority: Environment Agency, Southern Region Pollutant: Oils - Waste Oil Note: Oil Pollution Arriving At Foads Lane Ps (Sewage) Incident Date: 10th August 1992 Incident Reference: CD/161/92 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B8SW (SE)	885	2	634900 164350
9	**Water Abstractions** Operator: Southern Water Services Ltd Licence Number: 9/40/04/0049/Gr Permit Version: 100 Location: Borehole At Lord Of The Manor Ps Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 14774 Yearly Rate (m3): 4091400 Details: N/A Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 2nd November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B12SE (E)	384	2	635350 165100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Water Abstractions** Operator: Southern Water Services Plc Licence Number: 4/0049/F/GR Permit Version: Not Supplied Location: Whitehall Pumping Station & , Lord Of The Manor Pumping Station Authority: Environment Agency, Southern Region Abstraction: Public Water Supply Abstraction Type: Not Supplied Source: Pond or Lake Daily Rate (m3): 14774 Yearly Rate (m3): 4091400 Details: Additional Purpose: Public Water Supply Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B12SE (E)	386	2	635350 165095
	Water Abstractions Operator: Edward Spanton Farms Licence Number: 4/0442/ /S Permit Version: Not Supplied Location: CLIFFSEND Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 545 Yearly Rate (m3): 14809.1 Details: Ebbsfleet Stream Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B2SE (S)	1522	2	633930 163710
	Water Abstractions Operator: Edward Spanton Farms Licence Number: 9/40/04/0442/S Permit Version: 100 Location: Points 1-2, Ebbsfleet Stream At Cliffsend. Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 545 Yearly Rate (m3): 14809 Details: As Outlined In Red On Licence Map. Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 13th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B2SE (S)	1531	2	633930 163700
	Water Abstractions Operator: Stonelees Golf Centre Licence Number: 09/179 Permit Version: 101 Location: Point A, Drainage Dyke Ne Of B2048, Ebbsfleet 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: As Boldly Outlined On Map Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 20th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B2SE (S)	1649	2	633830 163610

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Stonelees Golf Centre Licence Number: 09/179 Permit Version: 101 Location: Point A, Drainage Dyke Ne Of B2048, Ebbsfleet 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: As Boldly Outlined On Map Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 20th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B2SE (S)	1649	2	633830 163610
	Water Abstractions Operator: Mr R J Chapman Licence Number: 09/179 Permit Version: 100 Location: Point A, Drainage Dyke Ne Of B2048, Ebbsfleet 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: As Boldly Outlined On Map Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 16th May 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B2SE (S)	1649	2	633830 163610
	Water Abstractions Operator: Mr R J Chapman Licence Number: 09/179 Permit Version: 100 Location: Point A, Drainage Dyke Ne Of B2048, Ebbsfleet 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: As Boldly Outlined On Map Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 16th May 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B2SE (S)	1649	2	633830 163610
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 47 East Kent Scale: 1:100,000	B11NW (SE)	0	2	634125 165247
	Drift Deposits Drift Deposit: Low permeability drift deposits occuring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 47 East Kent Scale: 1:100,000	B11SW (S)	0	2	634090 165066
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	B11NW (SE)	0	3	634125 165247
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	B12NW (E)	0	3	635005 165247
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	B12NW (E)	0	3	635005 165420
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	B15SW (NE)	0	3	634313 165647

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(NW)	0	3	632995 166315
10	**Source Protection Zones** Name: Lord Of The Manor Source: Environment Agency, Head Office Reference: Su036 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	B11NW (N)	0	2	634163 165512
11	**Source Protection Zones** Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	B11NW (SE)	0	2	634125 165247
12	**Source Protection Zones** Name: Various 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.	B11NW (SE)	0	2	634125 165247
13	**Source Protection Zones** Name: Potgate Farm Source: Environment Agency, Head Office Reference: Ne243 Type: Groundwater Source	B12SE (E)	391	2	635360 165110
14	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone IIc (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater - subsurface activity only.	B7NW (S)	599	2	634207 164519
15	**Source Protection Zones** Name: Sparrows Castle Source: Environment Agency, Head Office Reference: Su032 Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	(NW)	628	2	632471 166880
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	Detailed River Network Lines None				
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Historical Landfill Sites** Licence Holder: A Montgomery Location: Thorne Hill, Cliffs End, Kent Name: Thorne Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19437 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7261 BGS Ref: Not Supplied Other Ref: TH17	B10SW (W)	309	2	633555 165068
17	**Historical Landfill Sites** Licence Holder: Mr Hoeness Location: Off Foads Hill, Cliffs End, Thanet, Kent Name: Cliffsend Crossing Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19444 First Input Date: 1st January 1976 Last Input Date: 31st December 1988 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7262 BGS Ref: Not Supplied Other Ref: TH18	B7NE (SE)	442	2	634490 164728
18	**Licensed Waste Management Facilities (Locations)** Licence Number: 19467 Location: Land/ Premises At, Canterbury Road West, Ramsgate, Kent, CT12 5DU Operator Name: Anthony Jenkins Fuel Oil Limited Operator Location: Not Supplied Authority: Environment Agency - South East Region, Kent & South London Area Site Category: Physico-chemical Treatment Facilities **Licence Status: Issued** Issued: 21st May 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	B11SE (E)	155	2	634559 165124
	Local Authority Landfill Coverage Name: Thanet District Council - Has supplied landfill data		0	4	634125 165247
	Local Authority Landfill Coverage Name: Kent County Council - Had landfill data but passed it to the relevant environment agency		0	9	634125 165247
19	**Local Authority Recorded Landfill Sites** Location: Thorne Farm Reference: TH17 Authority: Thanet District Council, Environmental Health Department **Last Reported Status: Open** Types of Waste: Non Degradable, Slowly Degradable - Scrap Metal, Putrescible, Hazardous Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	B10SW (W)	315	4	633518 165072
20	**Local Authority Recorded Landfill Sites** Location: Cliffsend Crossing Reference: TH18 Authority: Thanet District Council, Environmental Health Department **Last Reported Status: Closed** Types of Waste: Non Degradable, Slowly Degradable - Scrap Metal, Inert Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	B7NE (SE)	450	4	634510 164727

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Registered Waste Treatment or Disposal Sites** Licence Holder: Antony Jenkins Fuel Oil Ltd Licence Reference: P/08/09 Site Location: Oil Storage Installation, Canterbury Road West, RAMSGATE, Kent, CT12 5DU Operator Location: As Site Address Authority: Environment Agency - Southern Region, Kent Area Site Category: Transfer - with treatment Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 21st May 1996 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Fuel Oil Kerosene And Derv. Max.Waste Permitted By Licence Mineral Oils Oil/Water Mixtures Vegetable And Other Oils Prohibited Waste: Special Wastes (As In S17 1980) Waste N.O.S.	B11SE (E)	158	2	634560 165120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	B11NW (SE)	0	3	634125 165247
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	(NW)	0	3	632990 166316
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B11NW (SE)	0	3	634125 165247
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B15SE (NE)	0	3	634576 165650
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B14SE (N)	0	3	633978 165739
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B12NW (E)	0	3	635000 165421
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9NW (W)	0	3	633000 165247

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10NE (W)	0	3	634000 165247
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B14NE (N)	0	3	634000 165896
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B15SW (NE)	0	3	634312 165646
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B14NE (N)	0	3	634000 166111
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B15NW (N)	0	3	634125 166000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B13NW (NW)	0	3	633000 166000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B14NE (N)	0	3	634079 166000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B14NE (N)	0	3	634060 166109
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B14NE (N)	0	3	634000 166000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B12NW (E)	2	3	635000 165247
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B16SW (NE)	25	3	635000 165624
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B16SW (NE)	42	3	634910 165749

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B15NE (NE)	50	3	634459 165890
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B16SW (NE)	50	3	634847 165772
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B16SW (NE)	117	3	635000 165763
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B11SW (S)	160	3	634128 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SW (W)	185	3	633621 165085
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B11SW (S)	197	3	634088 165064

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B15NE (NE)	207	3	634551 166000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B12SW (E)	231	3	635000 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B16NW (NE)	232	3	635000 165915
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B16NW (NE)	239	3	634885 165994
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B11SW (S)	243	3	634125 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SE (SW)	246	3	633785 165050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9NW (W)	264	3	633000 165239
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SE (SW)	267	3	634000 165023
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9SW (W)	269	3	632974 165171
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SE (SW)	288	3	634000 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B11SE (SE)	289	3	634533 164905
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B16NW (NE)	294	3	634880 166000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9SW (W)	298	3	632747 165014
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SE (SW)	301	3	633965 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B12NE (E)	312	3	635305 165446
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B16NW (NE)	319	3	635000 166000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B16NW (NE)	330	3	635058 166000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SE (SW)	332	3	633802 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9SW (W)	334	3	633000 165168
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9SE (W)	335	3	633228 165046
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SE (S)	338	3	634000 164946
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9SW (W)	338	3	632875 165039
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SE (SW)	340	3	633997 164942
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B16NW (NE)	341	3	635045 166013

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SE (S)	344	3	634000 164941
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SW (SW)	345	3	633718 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SE (SW)	368	3	633806 164964
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SE (S)	371	3	634025 164902
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SW (W)	374	3	633508 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SE (S)	385	3	634000 164896

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B8NW (SE)	391	3	635000 164840
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B6NE (S)	402	3	633996 164680
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SE (SW)	418	3	633794 164915
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9SW (W)	440	3	632961 165063
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9SW (W)	443	3	633000 165042
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9SW (W)	459	3	633058 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B7NE (SE)	460	3	634688 164715
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9SW (W)	475	3	632824 165046
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9SE (W)	482	3	633135 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B7NE (SE)	495	3	634449 164660
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B9SW (W)	501	3	633000 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B6NE (S)	503	3	634000 164678

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10SW (SW)	533	3	633519 164844
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B6NE (SW)	577	3	633817 164751
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B16NE (NE)	587	3	635407 166000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B6NE (SW)	604	3	633784 164729
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B7NE (SE)	607	3	634717 164562
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B8NW (SE)	620	3	635000 164611

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B8NW (SE)	626	3	635000 164604
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B8NW (SE)	632	3	635014 164599
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B7SE (SE)	790	3	634730 164431
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B6NW (SW)	800	3	633584 164557
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B8SW (SE)	908	3	635000 164170
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B8SE (SE)	963	3	635434 164376

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**BGS Recorded Mineral Sites** Site Name: Thorne Chalk Pit Location: , Cliffs End, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132297 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Margate Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	B10SW (W)	336	3	633474 165077
23	**BGS Recorded Mineral Sites** Site Name: Thorne Chalk Pit Location: , Cliffs End, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132301 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Margate Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	B10SE (SW)	340	3	633980 164952
24	**BGS Recorded Mineral Sites** Site Name: Cliffsend Crossing Chalk Pit Location: , Cliffs End, Ramsgate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 132300 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Margate Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	B7NE (SE)	474	3	634550 164714
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	B11NE (NE)	0	-	634500 165500
	Man-Made Mining Cavities Easting: 634400 Northing: 165700 Distance: 0 Quadrant Reference: B15 Quadrant Reference: SW Bearing Ref: NE Cavity Type: Adit Entry Pillar and Stall Chalk Mine Commodity: Chalk Solid Geology Detail: Chalk Group Superficial Geology Detail: No Details	B15SW (NE)	0	5	634400 165700
	Man-Made Mining Cavities Easting: 635000 Northing: 166000 Distance: 319 Quadrant Reference: B16 Quadrant Reference: NW Bearing Ref: NE Cavity Type: Reference to Deneholes Commodity: Chalk Solid Geology Detail: Thanet Sand Formation, Chalk Group Superficial Geology Detail: Head Brickearth	B16NW (NE)	319	5	635000 166000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	B11NW (NE)	0	3	634192 165402
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165247
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	31	3	635000 165625
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	50	3	634995 165636
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	69	3	634885 165994
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	81	3	635041 165655
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	110	3	635000 165121
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	160	3	634125 165000
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	232	3	635000 165915
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(NW)	0	3	632990 166316
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B15SW (NE)	0	3	634312 165646
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165421
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	2	3	635000 165247
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10SW (W)	13	3	633621 165085
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	25	3	635000 165624
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	42	3	634910 165749
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B15NE (NE)	50	3	634459 165890
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	160	3	634128 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	197	3	634088 165064
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	243	3	634125 165000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	246	3	633785 165050
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165247
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	160	3	634125 165000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B15SE (NE)	0	3	634697 165819
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165247
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	38	3	635000 165613
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	40	3	635000 165624
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	42	3	634910 165749
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B15NE (NE)	50	3	634614 165906
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	69	3	634885 165994
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	74	3	634984 165670
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	75	3	635000 165654
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	102	3	635029 165675
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	117	3	635000 165763
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	127	3	634053 165055

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SW (SE)	160	3	634300 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	172	3	634128 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	182	3	634107 165042
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B10SW (W)	185	3	633621 165085
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	211	3	634079 165049
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	232	3	635000 165915
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	243	3	634125 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	246	3	633785 165050
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	3	632990 166316
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B15SW (NE)	0	3	634312 165646
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165421
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	2	3	635000 165247
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SW (W)	13	3	633621 165085
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	25	3	635000 165624
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	42	3	634910 165749
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B15NE (NE)	50	3	634459 165890
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	160	3	634128 165000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	197	3	634088 165064
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	243	3	634125 165000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	246	3	633785 165050
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165247
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	160	3	634125 165000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	3	632990 166316
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B15SW (NE)	0	3	634312 165646
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635000 165421
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	2	3	635000 165247
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B10SW (W)	13	3	633621 165085
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	25	3	635000 165624
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	42	3	634910 165749
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B15NE (NE)	50	3	634459 165890
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	160	3	634128 165000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	197	3	634088 165064
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	231	3	635000 165000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B11SW (S)	243	3	634125 165000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	246	3	633785 165050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B15SW (N)	0	3	634255 165574
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	0	3	633855 165099
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635005 165324
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B11NW (SE)	0	3	634125 165247
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B15SW (N)	0	3	634255 165574
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	0	3	633855 165099
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	0	3	635005 165324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Contemporary Trade Directory Entries** Name: Industrial Oil Services Location: Canterbury Rd West, Cliffsend, Ramsgate, Kent, CT12 5DU Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	B11SE (E)	58	-	634436 165124
25	**Contemporary Trade Directory Entries** Name: Jentex Petroleum Ltd Location: Canterbury Road West, Cliffsend, Ramsgate, Kent, CT12 5DU Classification: Oil Fuel Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B11SE (E)	61	-	634449 165143
25	**Contemporary Trade Directory Entries** Name: Antony Jenkins Fuel Oils Ltd Location: Canterbury Road West, Cliffsend, Ramsgate, Kent, CT12 5DU Classification: Oil Fuel Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B11SE (E)	61	-	634449 165143
26	**Contemporary Trade Directory Entries** Name: Jentex Location: Canterbury Road West, Cliffsend, Ramsgate, Kent, CT12 5DU Classification: Oil Fuel Distributors **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	B11SE (SE)	82	-	634438 165094
27	**Contemporary Trade Directory Entries** Name: Manna Hutte Service Station Location: 9, Canterbury Road West, Cliffsend, Ramsgate, Kent, CT12 5DY Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B11SE (E)	171	-	634647 165096
27	**Contemporary Trade Directory Entries** Name: Manna Hutte Service Station Location: 9, Canterbury Road West, Cliffsend, Ramsgate, Kent, CT12 5DY Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	B11SE (E)	173	-	634644 165094
28	**Contemporary Trade Directory Entries** Name: Abate Location: 28, High Street, Manston, Ramsgate, Kent, CT12 5BG Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B15NE (NE)	294	-	634690 166037
29	**Contemporary Trade Directory Entries** Name: Dormy Heating Systems Location: 15, Sea View Road, Cliffsend, Ramsgate, Kent, CT12 5EH Classification: Under Floor Heating **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B11SE (SE)	310	-	634732 164947
30	**Contemporary Trade Directory Entries** Name: Mobile Trailer Hire Services Location: The Cheviots, Manston Road, Manston, Ramsgate, Kent, CT12 5BE Classification: Trailers & Towing Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B16NW (NE)	378	-	634992 166063
31	**Contemporary Trade Directory Entries** Name: Aviation Management Location: 4, Daigor Lane, Manston, Ramsgate, Kent, CT12 5BY Classification: Aviation Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B16NW (NE)	384	-	634777 166112
32	**Contemporary Trade Directory Entries** Name: Bel-Air Packaging Ltd Location: Unit 5 Thorne Farm, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Packaging Materials Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	B9SE (SW)	508	-	633388 164922
32	**Contemporary Trade Directory Entries** Name: Bubble Factory & Converters Ltd Location: Unit 5, Thorne Farm, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Packaging & Wrapping Equipment & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B9SE (SW)	508	-	633388 164922

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	**Contemporary Trade Directory Entries** Name: Systematics (Thanet) Ltd Location: Unit 3, Thorne Farm House, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Electronic Engineers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	B9SE (SW)	532	-	633361 164904
32	**Contemporary Trade Directory Entries** Name: Challis Location: Unit 8, Thorne Farm House, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B9SE (SW)	533	-	633332 164910
32	**Contemporary Trade Directory Entries** Name: P M G Fabrication Location: Unit 8, Thorne Farm, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Tungsten Tool Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	B9SE (SW)	533	-	633332 164910
33	**Contemporary Trade Directory Entries** Name: J & K Frames Location: Unit 2, Thorne Farm, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Seating Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	B10SW (SW)	512	-	633421 164910
34	**Contemporary Trade Directory Entries** Name: Laybell Design Ltd Location: Thorne Farm House, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B5NE (SW)	612	-	633301 164836
34	**Contemporary Trade Directory Entries** Name: R & R Welding Location: Thorne Farm House, Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Wrought Ironwork **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B5NE (SW)	612	-	633301 164836
34	**Contemporary Trade Directory Entries** Name: Sincro Location: Unit 4,Thorne Farm,Thorne Hill, Ramsgate, Kent, CT12 5DS Classification: Engineers - General **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	B5NE (SW)	632	-	633284 164820
35	**Contemporary Trade Directory Entries** Name: Atlas Scaffolding Location: 2, Cliffsend Farm Cottages, Cliffsend Road, Cliffsend, Ramsgate, Kent, CT12 5JG Classification: Scaffolding & Work Platforms **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B8SW (SE)	806	-	634862 164434
36	**Contemporary Trade Directory Entries** Name: Countrywide Property Care Location: 61, Sandwich Road, Cliffsend, Ramsgate, Kent, CT12 5HY Classification: Damp & Dry Rot Control **Status: Active** Positional Accuracy: Automatically positioned to the address	B8SW (SE)	981	-	634951 164250
37	**Contemporary Trade Directory Entries** Name: Zebredellas Location: 3, Lavender Lane, Ramsgate, Kent, CT12 5LJ Classification: Jewellery Manufacturers & Repairers **Status: Active** Positional Accuracy: Automatically positioned to the address	B7SW (S)	989	-	634138 164204
38	**Fuel Station Entries** Name: Manna Hutte Service Station Location: 9 Canterbury Road West, King Arthur Road, RAMSGATE, Kent, CT12 5DY Brand: Unbranded Premises Type: Petrol Station **Status: Closed** Positional Accuracy: Manually positioned to the address or location	B11SE (E)	182	-	634640 165086

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**National Nature Reserves** Name: Sandwich & Pegwell Bay Multiple Areas: Y Total Area (m2): 6293106.5 Source: Natural England Reference: 1007228 Designation Date: Not Supplied	B4NW (SE)	900	6	634817 164058
40	**Nitrate Vulnerable Zones** Name: Not Supplied Description: Groundwater Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	B11NW (SE)	0	7	634125 165247
41	**Ramsar Sites** Name: Thanet Coast & Sandwich Bay Multiple Areas: Y Total Area (m2): 21821338.06 Source: Natural England Reference: UK11070 Designation Date: Not Supplied	B4NW (SE)	900	6	634817 164058
42	**Sites of Special Scientific Interest** Name: Sandwich Bay To Hacklinge Marshes Multiple Areas: Y Total Area (m2): 17901009.98 Source: Natural England Reference: 1001128 Designation Details: Local Wildlife Site Designation Date: 28th June 1993 Date Type: Notified Designation Details: National Nature Reserve Designation Date: 28th June 1993 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 28th June 1993 Date Type: Notified Designation Details: Special Protection Area Designation Date: 28th June 1993 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 28th June 1993 Date Type: Notified Designation Details: National Trust Reserve Designation Date: 28th June 1993 Date Type: Notified Designation Details: Ramsar Site Designation Date: 28th June 1993 Date Type: Notified Designation Details: Nature Conservation Review Designation Date: 28th June 1993 Date Type: Notified Designation Details: Geological Conservation Review Designation Date: 28th June 1993 Date Type: Notified Designation Details: Local Nature Reserve Designation Date: 28th June 1993 Date Type: Notified	B4NW (SE)	900	6	634872 164111
43	**Special Areas of Conservation** Name: Sandwich Bay Multiple Areas: N Total Area (m2): 11366986.85 Source: Natural England Reference: UK0013077 **Status: Designated**	B4NW (SE)	900	6	634872 164111
44	**Special Areas of Conservation** Name: Thanet Coast Multiple Areas: Y Total Area (m2): 28159852.32 Source: Natural England Reference: UK0013107 **Status: Designated**	B8SE (SE)	935	6	635393 164388
45	**Special Protection Areas** Name: Thanet Coast & Sandwich Bay Multiple Areas: Y Total Area (m2): 18812616.56 Source: Natural England Reference: UK9012071 Designation Date: Not Supplied	B4NW (SE)	900	6	634817 164058

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Thanet District Council - Environmental Health Department	April 2014	Annual Rolling Update
Dover District Council - Environmental Health Department	January 2015	Annual Rolling Update
Discharge Consents		
Environment Agency - Southern Region	January 2016	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Southern Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - Southern Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - Southern Region	January 2016	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Thanet District Council - Environmental Health Department	April 2014	Annual Rolling Update
Dover District Council - Environmental Health Department	June 2014	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Thanet District Council - Environmental Health Department	April 2014	Annual Rolling Update
Dover District Council - Environmental Health Department	June 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Thanet District Council - Environmental Health Department	April 2014	Annual Rolling Update
Dover District Council - Environmental Health Department	June 2014	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - Southern Region	March 2013	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - Southern Region	March 2013	As notified
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 - Southern Region - Kent Area	January 2016	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	January 2016	Quarterly
Water Abstractions		
Environment Agency - Southern Region	January 2016	Quarterly
Water Industry Act Referrals		
Environment Agency - Southern Region	January 2016	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	October 2012	As notified
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	January 2015	As notified
Source Protection Zones		
Environment Agency - Head Office	January 2016	Quarterly

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	February 2016	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	February 2016	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	February 2016	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	February 2016	Quarterly
Flood Defences		
Environment Agency - Head Office	February 2016	Quarterly
Detailed River Network Lines		
Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage		
Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability		
Environment Agency - Head Office	October 2013	As notified
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	March 2016	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Southern Region - Kent Area	February 2016	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	February 2016	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South East Region - Kent & South London Area	January 2016	Quarterly
Environment Agency - Southern Region - Kent Area	January 2016	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	January 2016	Quarterly
Local Authority Landfill Coverage		
Dover District Council - Environmental Health Department	May 2000	Not Applicable
Kent County Council - Waste Management Group	May 2000	Not Applicable
Thanet District Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Dover District Council - Environmental Health Department	May 2000	Not Applicable
Kent County Council - Waste Management Group	May 2000	Not Applicable
Thanet District Council - Environmental Health Department	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	February 2016	Bi-Annually
Explosive Sites		
Health and Safety Executive	February 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Thanet District Council	February 2016	Annual Rolling Update
Dover District Council - Planning Department	January 2016	Annual Rolling Update
Kent County Council	January 2016	Annual Rolling Update
Planning Hazardous Substance Consents		
Thanet District Council	February 2016	Annual Rolling Update
Dover District Council - Planning Department	January 2016	Annual Rolling Update
Kent County Council	January 2016	Annual Rolling Update
Geological	**Version**	**Update Cycle**
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	January 2010	Annually
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	November 2015	Bi-Annually
Brine Compensation Area		
Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	As notified
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	June 2015	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	November 2015	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2015	Quarterly
Sensitive Land Use	**Version**	**Update Cycle**
Areas of Outstanding Natural Beauty Natural England	October 2015	Bi-Annually
Environmentally Sensitive Areas Natural England	October 2015	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	October 2015	Bi-Annually
Marine Nature Reserves Natural England	October 2015	Bi-Annually
National Nature Reserves Natural England	October 2015	Bi-Annually
National Parks Natural England	March 2016	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	October 2015	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2015	Bi-Annually
Special Areas of Conservation Natural England	October 2015	Bi-Annually
Special Protection Areas Natural England	October 2015	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	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
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	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	**Thanet District Council - Environmental Health Department** Council Offices, Cecil Street, Margate, Kent, CT9 1XZ	Telephone: 01843 577000 Fax: 01843 290906 Website: www.thanet.gov.uk
5	**Peter Brett Associates** Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
6	**Natural England** Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
7	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
8	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
9	**Kent County Council - Waste Management Group** Block H, The Forstal, Beddow Way, Aylesford, Kent, ME20 7BT	Telephone: 01622 605976 Website: www.kent.gov.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.

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
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
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
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Electricity Transmission Line
Pole
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
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

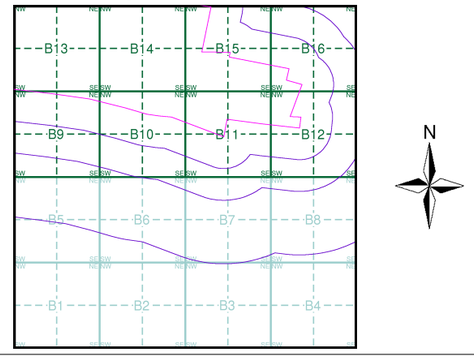
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

Envirocheck®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:10,560	1877	2
Kent	1:10,560	1899	3
Kent	1:10,560	1908	4
Kent	1:10,560	1908	5
Kent	1:10,560	1931	6
Kent	1:10,560	1931	7
Kent	1:10,560	1938	8
Historical Aerial Photography	1:10,560	1945 - 1949	9
Historical Aerial Photography	1:10,560	1947 - 1949	10
Kent	1:10,560	1948 - 1951	11
Ordnance Survey Plan	1:10,000	1960 - 1962	12
Ordnance Survey Plan	1:10,000	1968 - 1969	13
Ordnance Survey Plan	1:10,000	1973 - 1977	14
Ordnance Survey Plan	1:10,000	1979	15
Ordnance Survey Plan	1:10,000	1982	16
Ordnance Survey Plan	1:10,000	1990 - 1995	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2016	19

Historical Map - Slice B



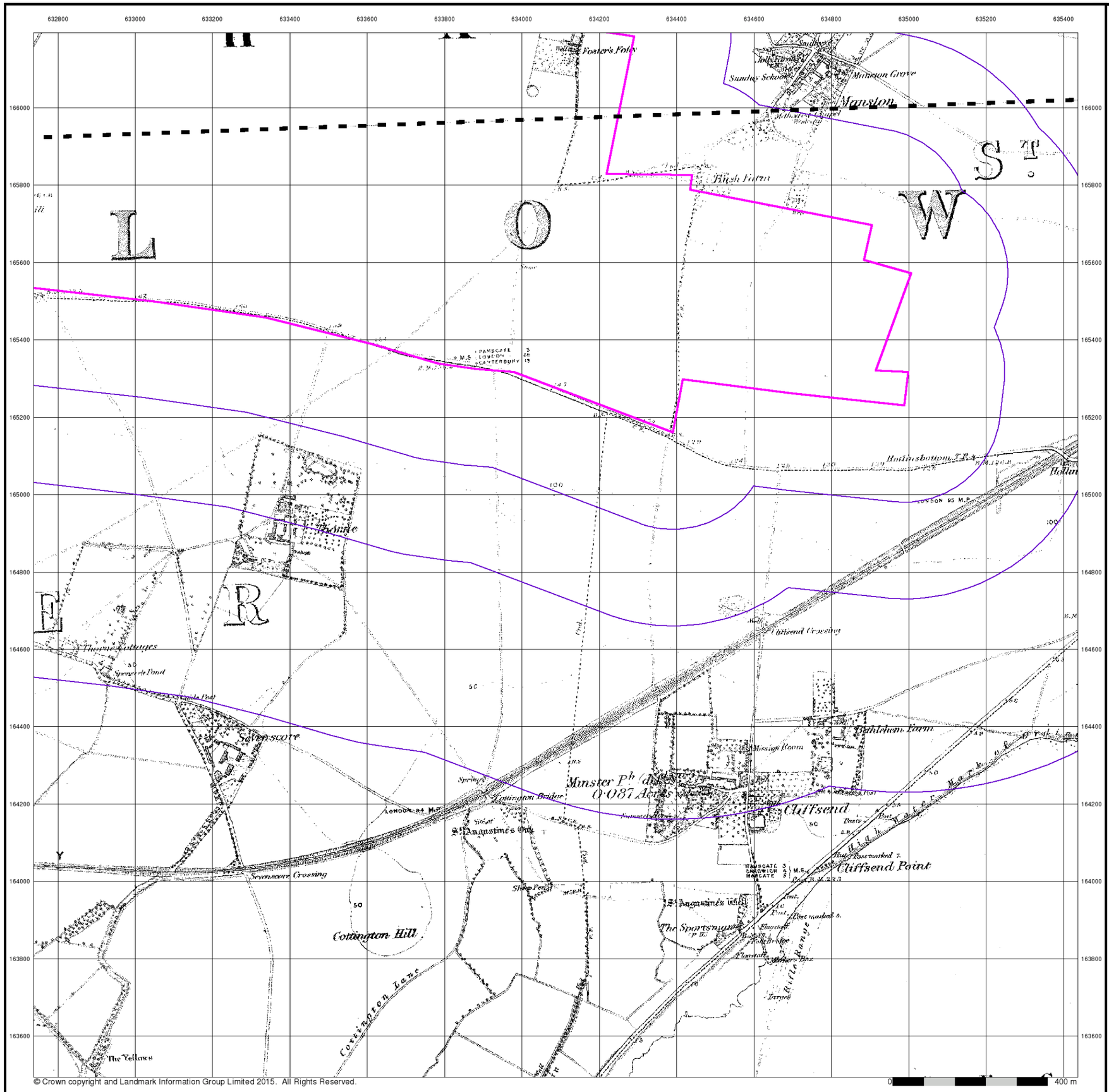
Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

Kent

Published 1877

Source map scale - 1:10,560

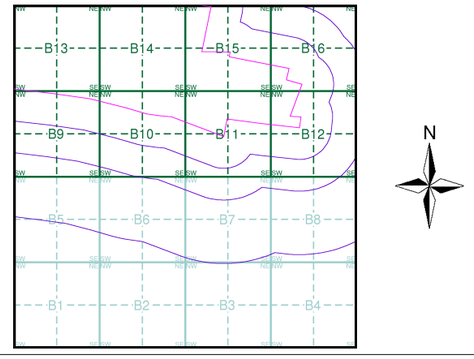
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

02500
1877
1:10,560

03700
1877
1:10,560

Historical Map - Slice B



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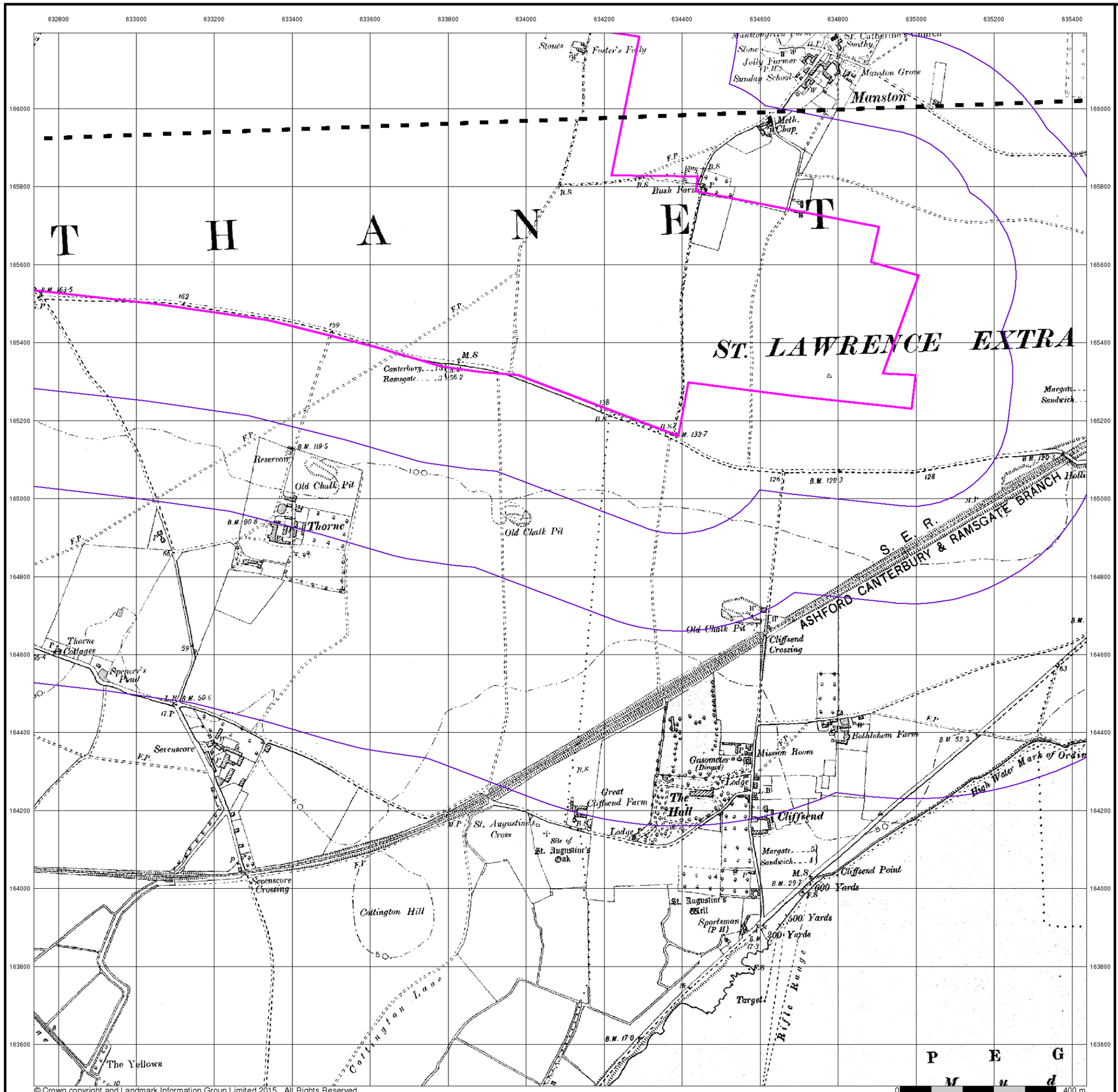

Envirocheck®

Kent

Published 1899

Source map scale - 1:10,560

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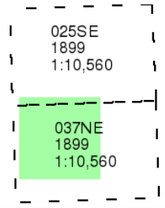
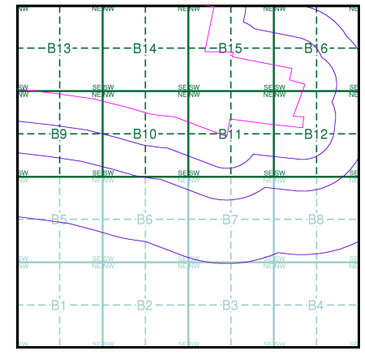
Map Name(s) and Date(s)



Historical Map - Slice B



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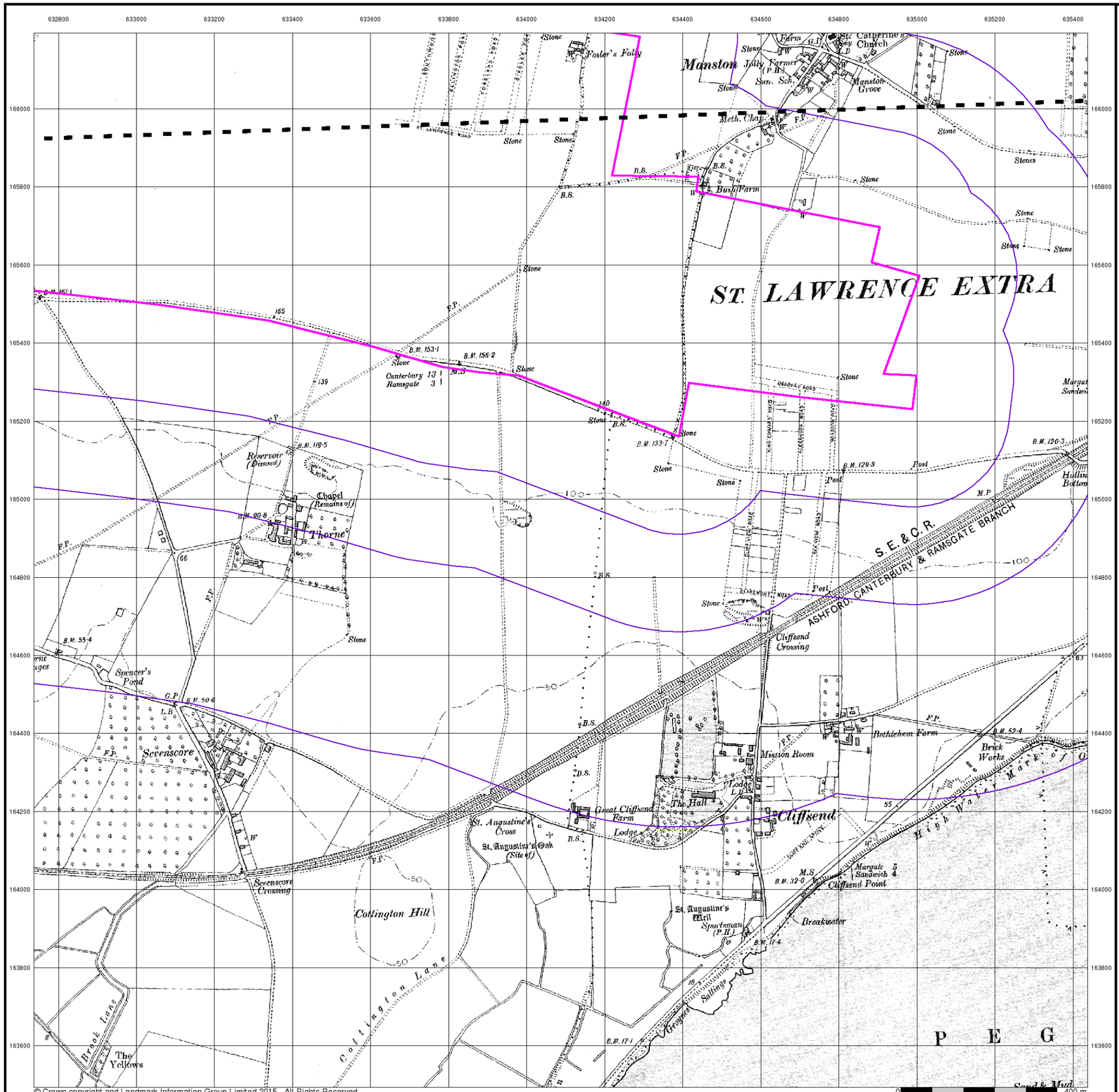

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Kent

Published 1908

Source map scale - 1:10,560

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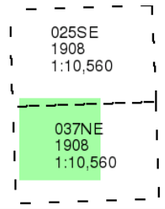
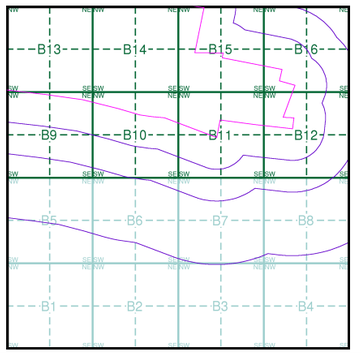


Historical Map - Slice B



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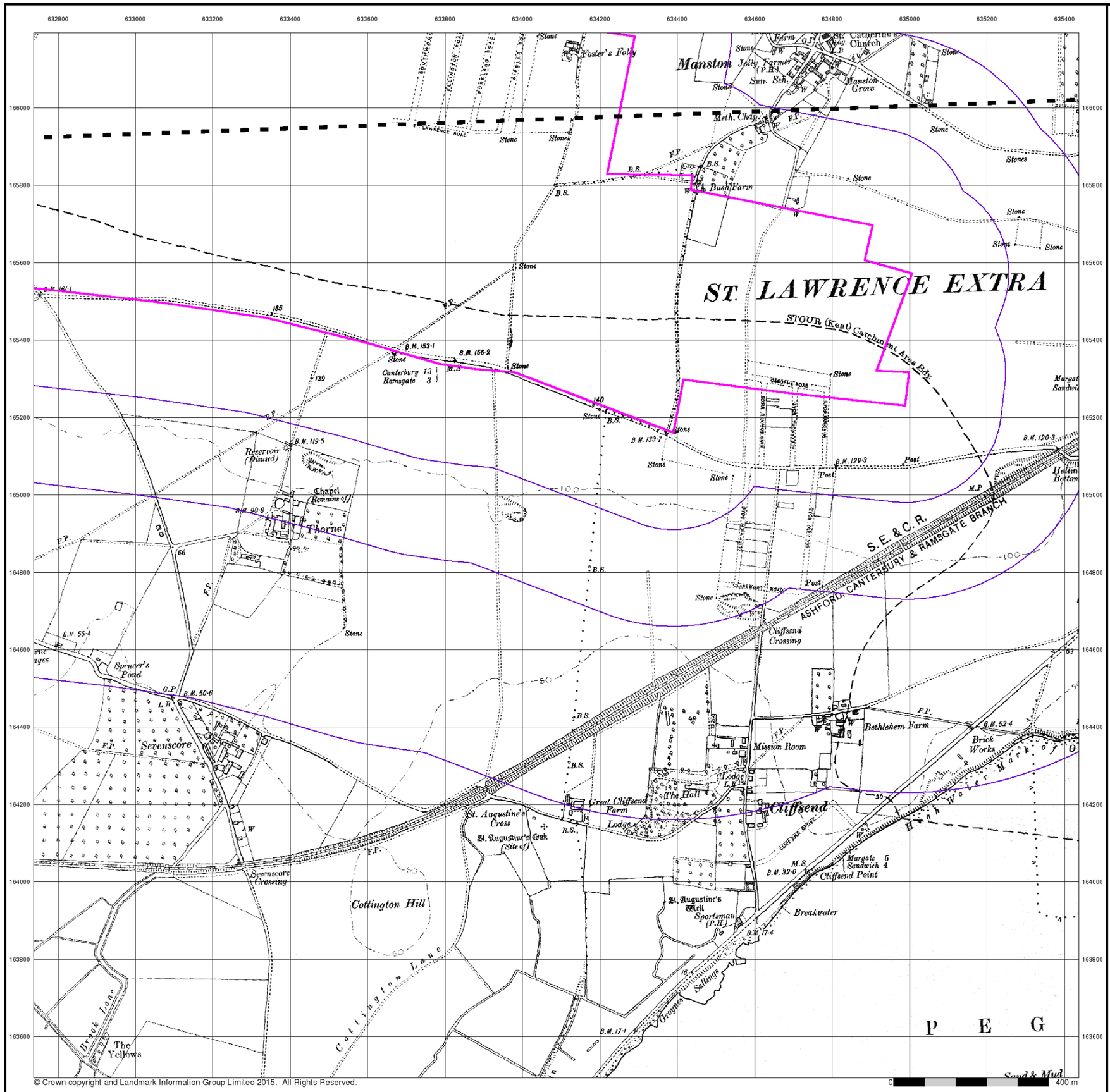
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Kent

Published 1908

Source map scale - 1:10,560

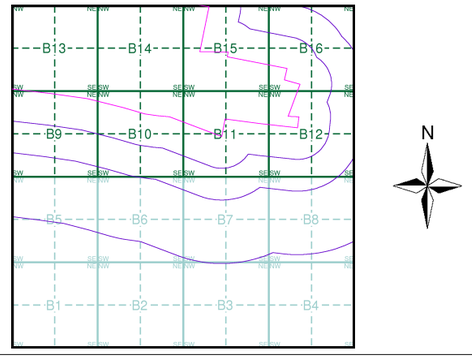
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

025SE
1908
1:10,560

037NE
1908
1:10,560

Historical Map - Slice B



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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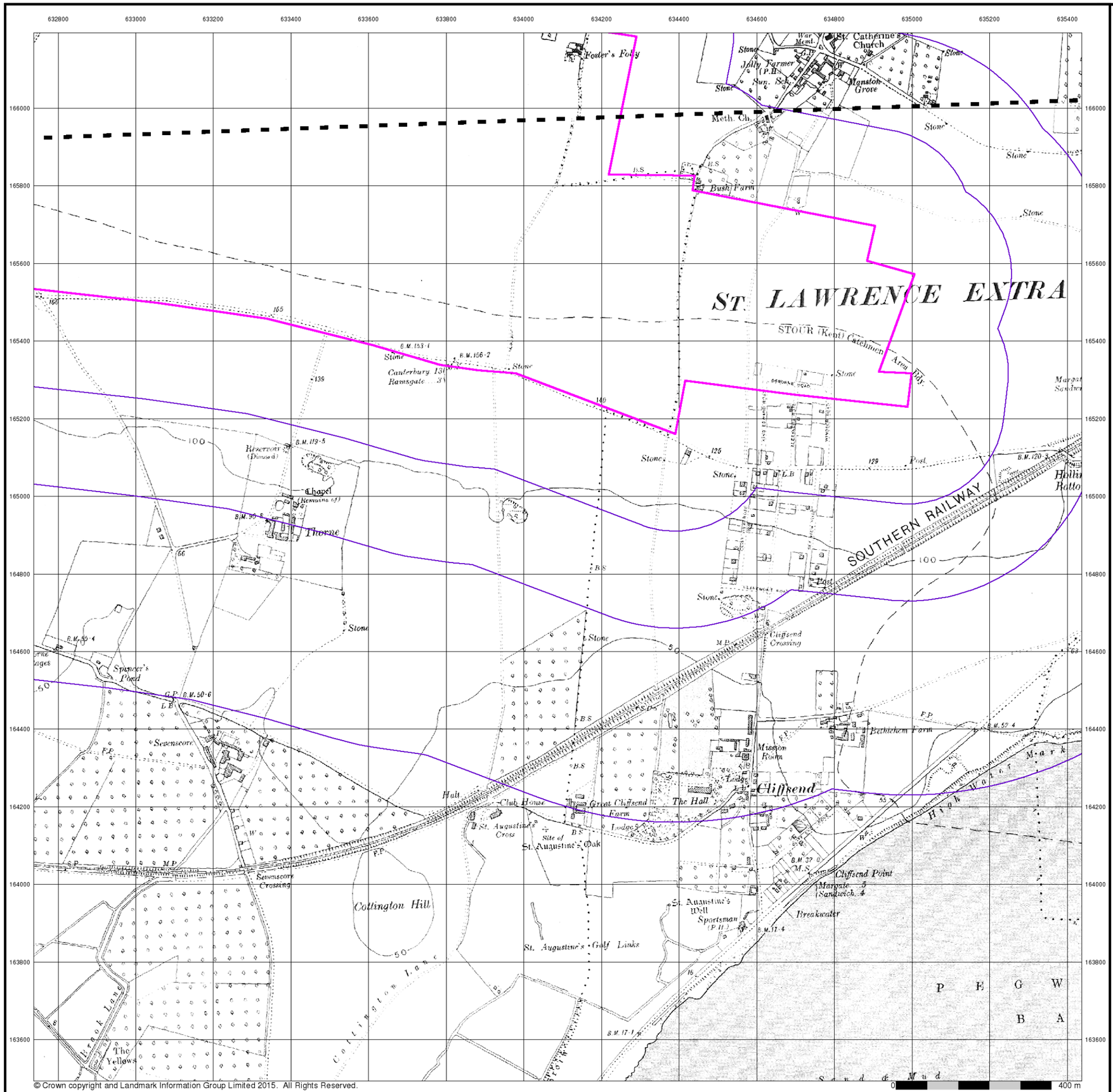

Envirocheck®

Kent

Published 1931

Source map scale - 1:10,560

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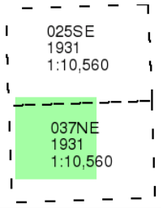
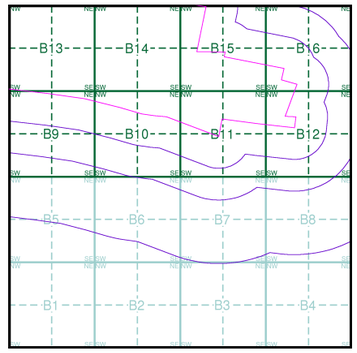
Map Name(s) and Date(s)



Historical Map - Slice B



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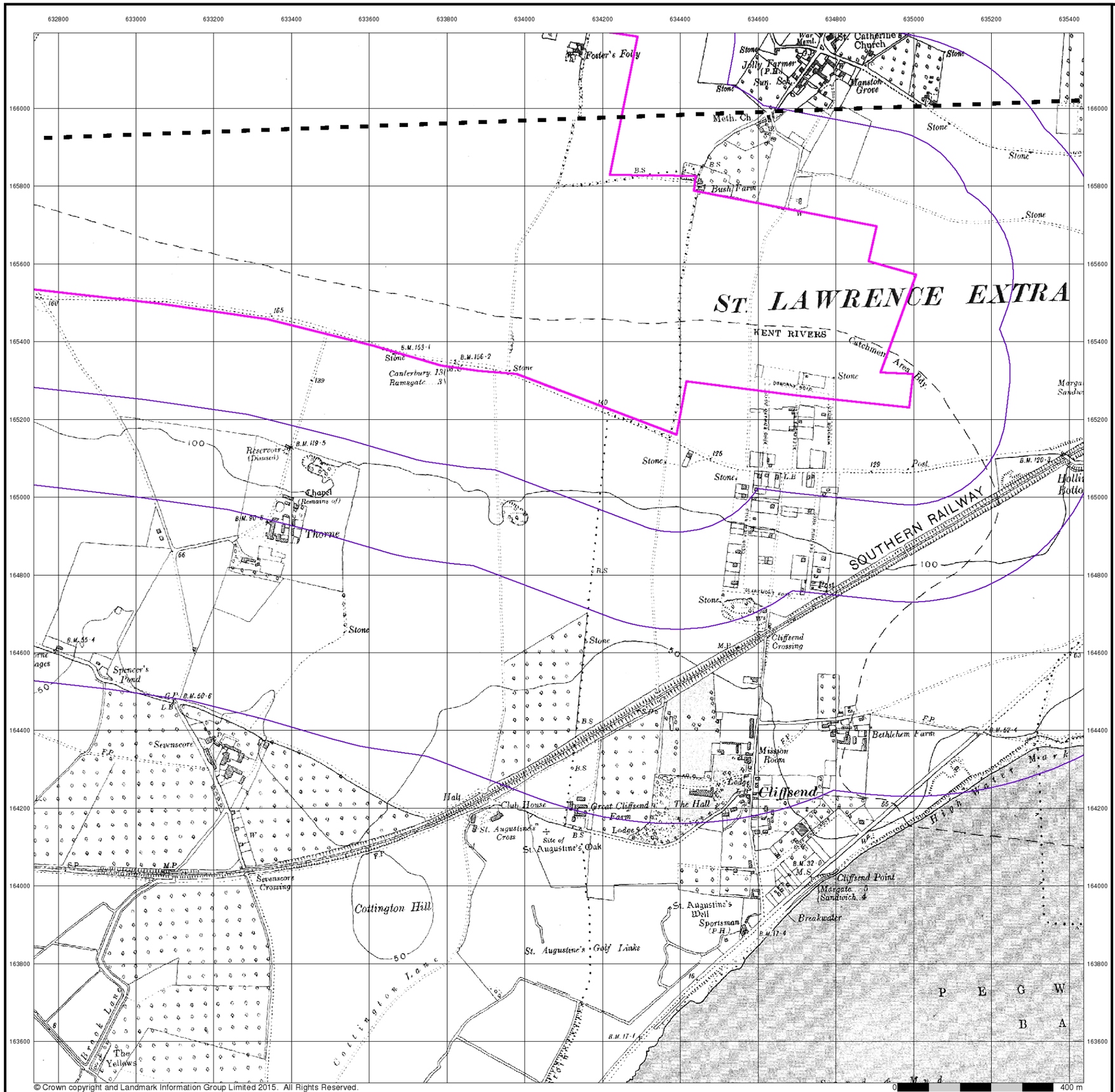

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Kent

Published 1931

Source map scale - 1:10,560

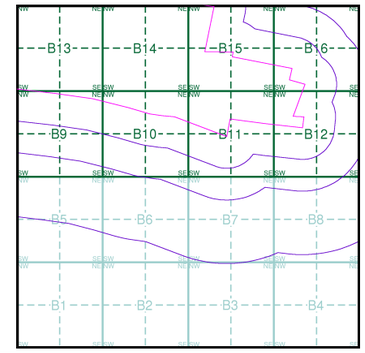
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

025SE
1931
1:10,560

037NE
1931
1:10,560

Historical Map - Slice B



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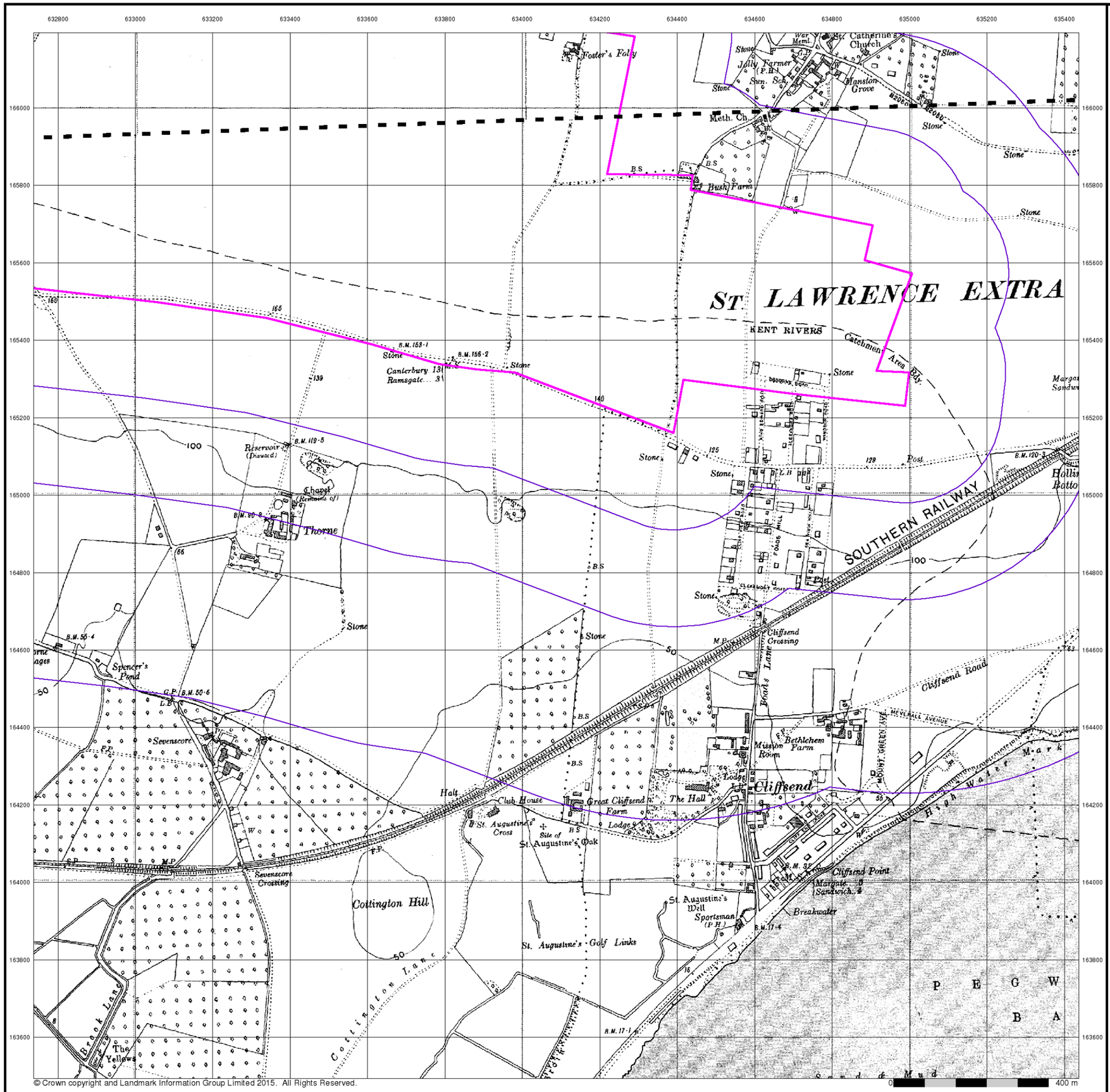

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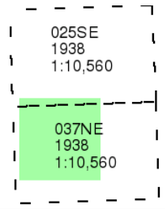
Kent

Published 1938

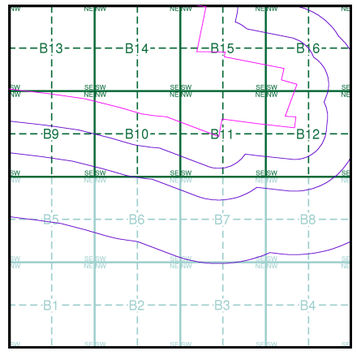
Source map scale - 1:10,560

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 B



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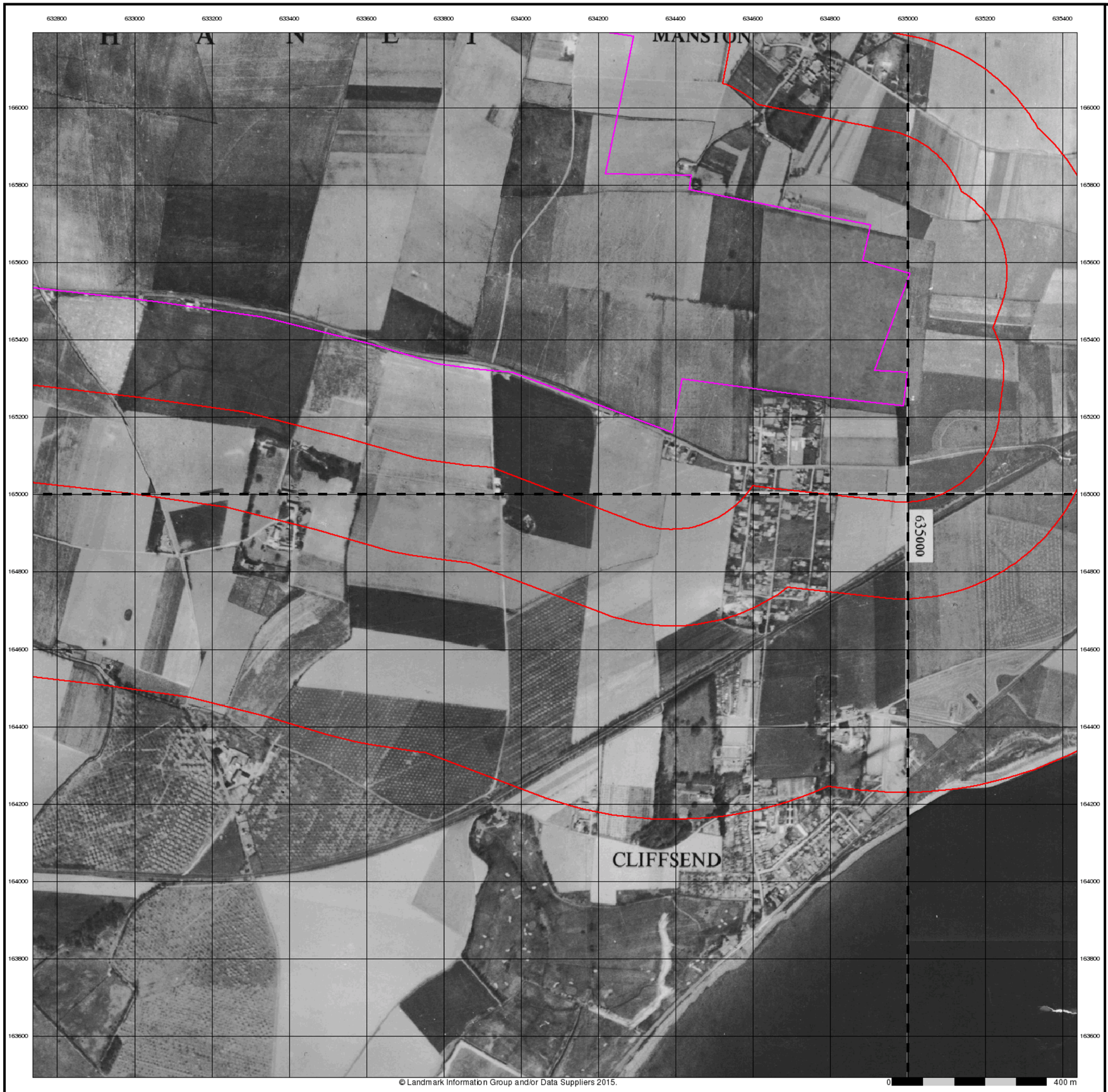


Envirocheck®

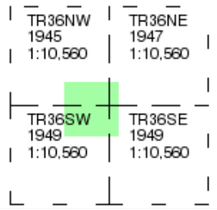
Historical Aerial Photography

Published 1945 - 1949

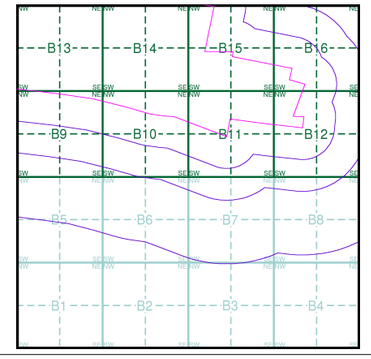
Source map scale - 1:10,560

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.

Map Name(s) and Date(s)



Historical Aerial Photography - Slice B



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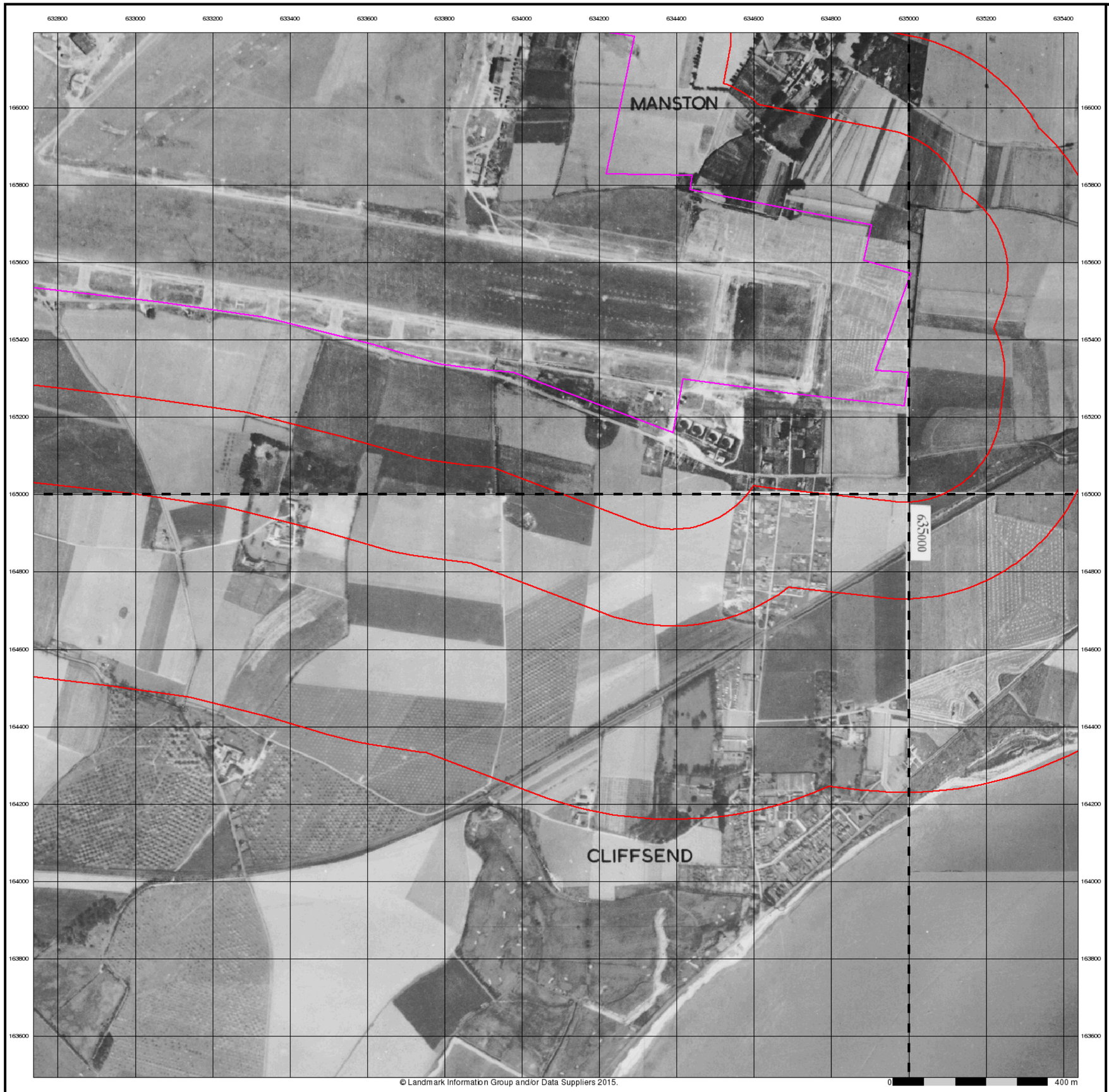


Envirocheck®

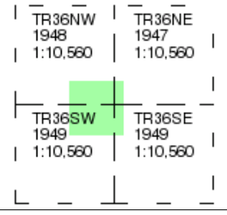
Historical Aerial Photography

Published 1947 - 1949

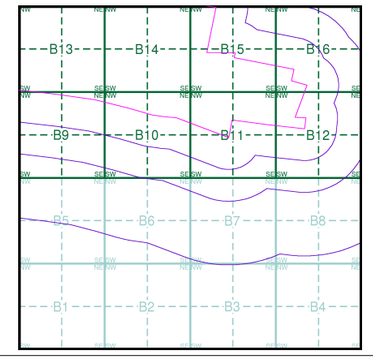
Source map scale - 1:10,560

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.

Map Name(s) and Date(s)



Historical Aerial Photography - Slice B



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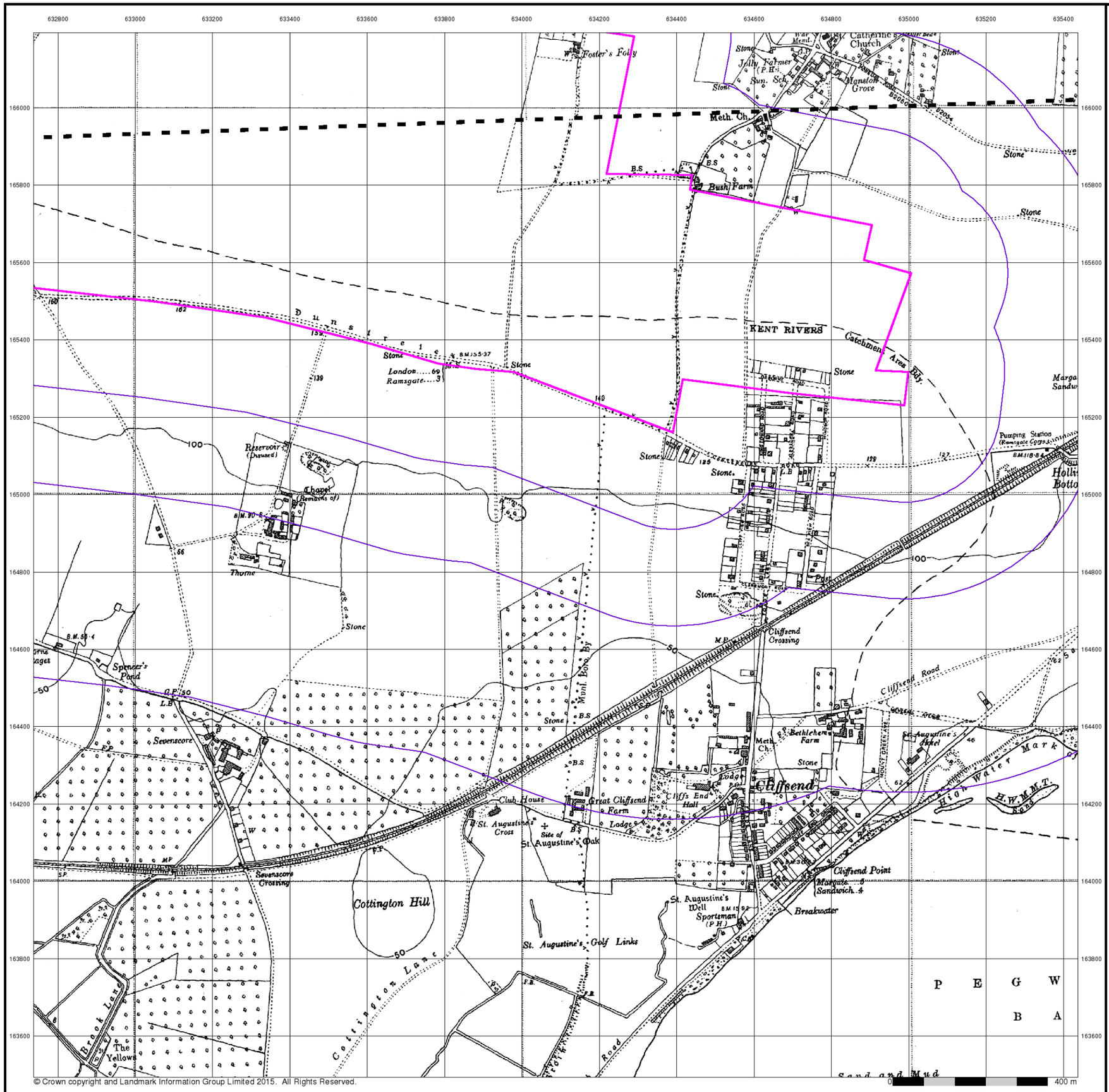


Envirocheck®

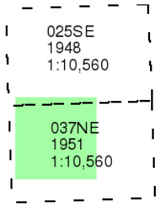
Kent

Published 1948 - 1951

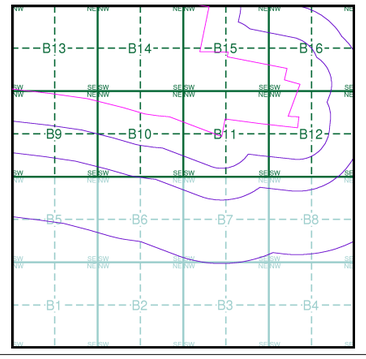
Source map scale - 1:10,560

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 B



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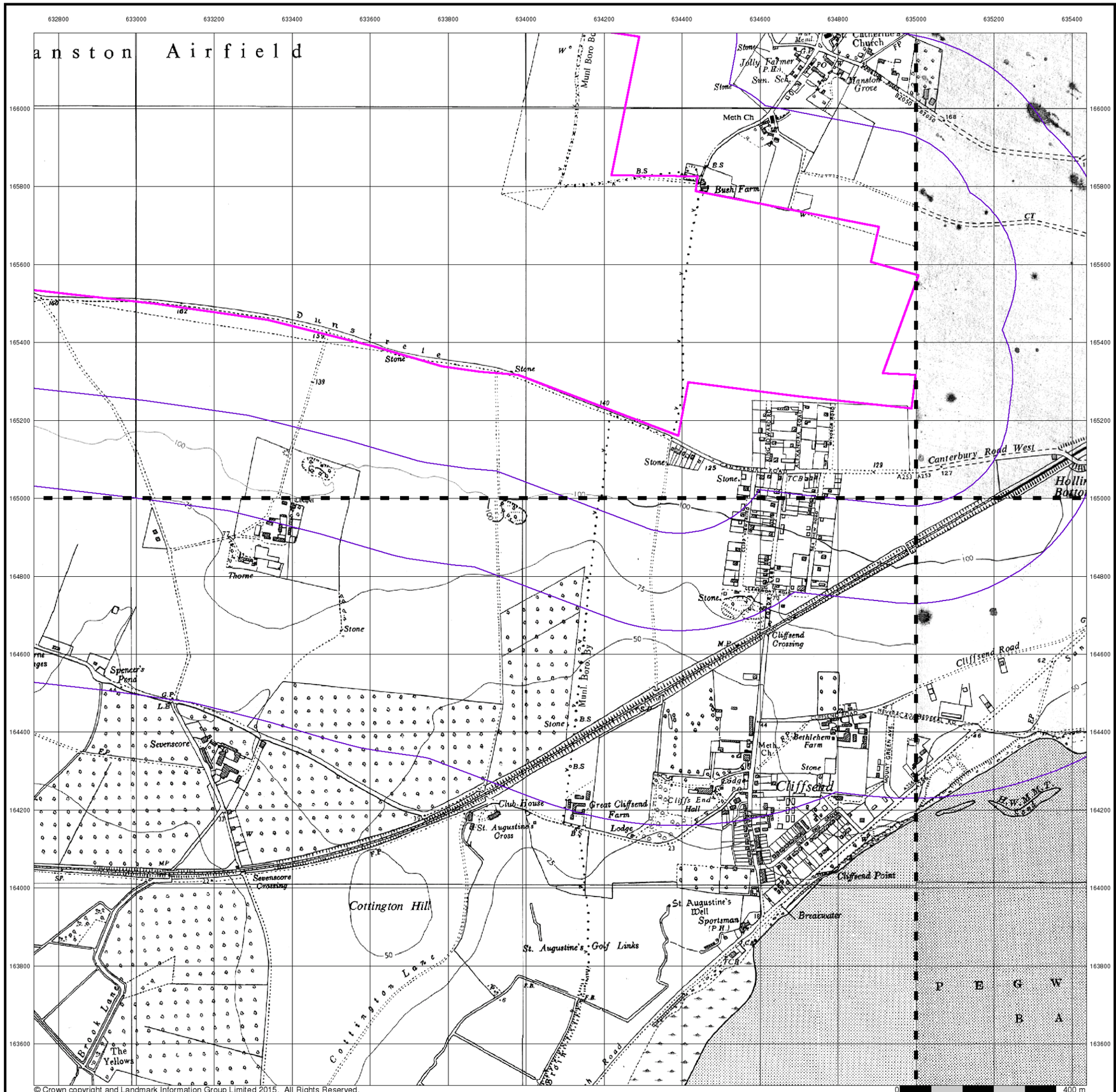

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Ordnance Survey Plan

Published 1960 - 1962

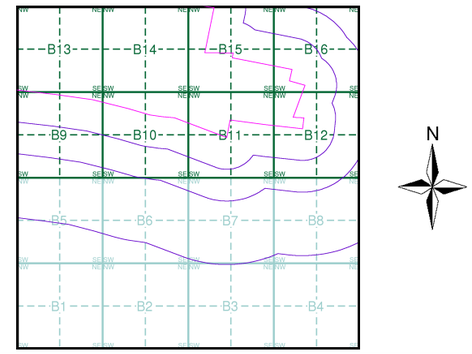
Source map scale - 1:10,000

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)

TR36NW 1961 1:10,560	TR36NE 1962 1:10,560
TR36SW 1960 1:10,560	TR36SE 1961 1:10,560

Historical Map - Slice B



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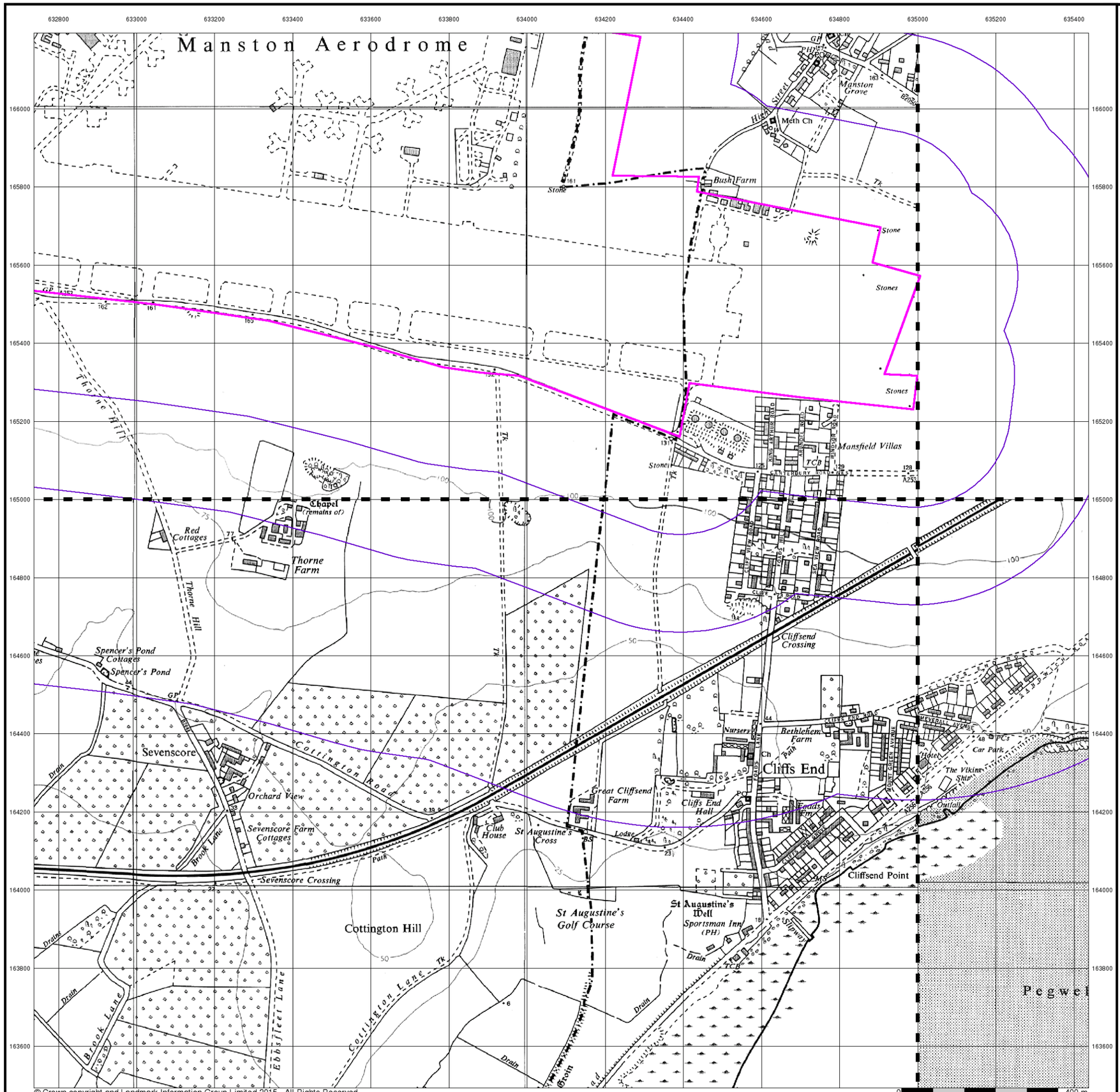


Ordnance Survey Plan

Published 1968 - 1969

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.

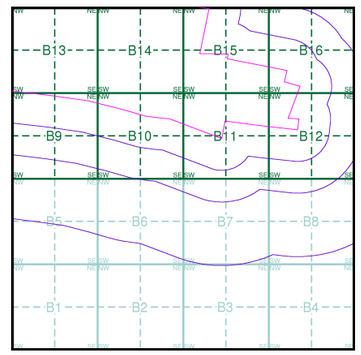
Map Name(s) and Date(s)

TR36NW 1968 1:10,560

TR36SW 1968 1:10,560

TR36SE 1969 1:10,560

Historical Map - Slice B



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Ordnance Survey Plan

Published 1973 - 1977

Source map scale - 1:10,000

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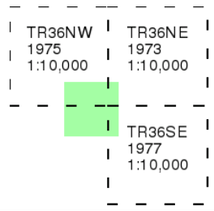
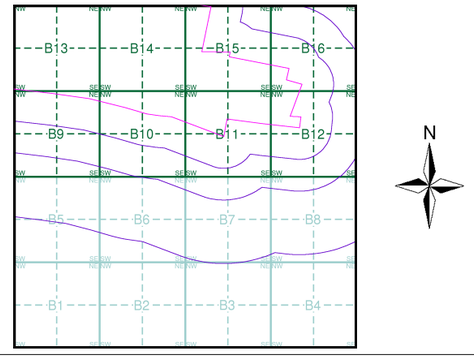
Map Name(s) and Date(s)



Historical Map - Slice B



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Ordnance Survey Plan

Published 1979

Source map scale - 1:10,000

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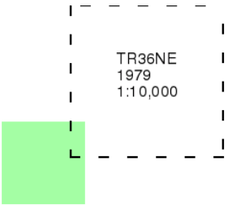
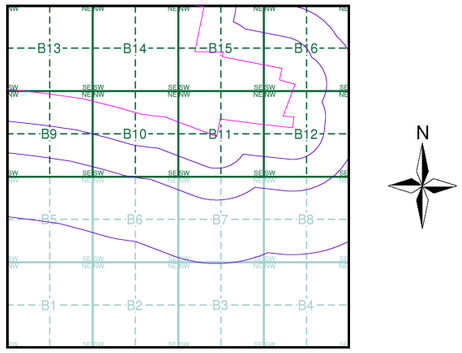


Historical Map - Slice B



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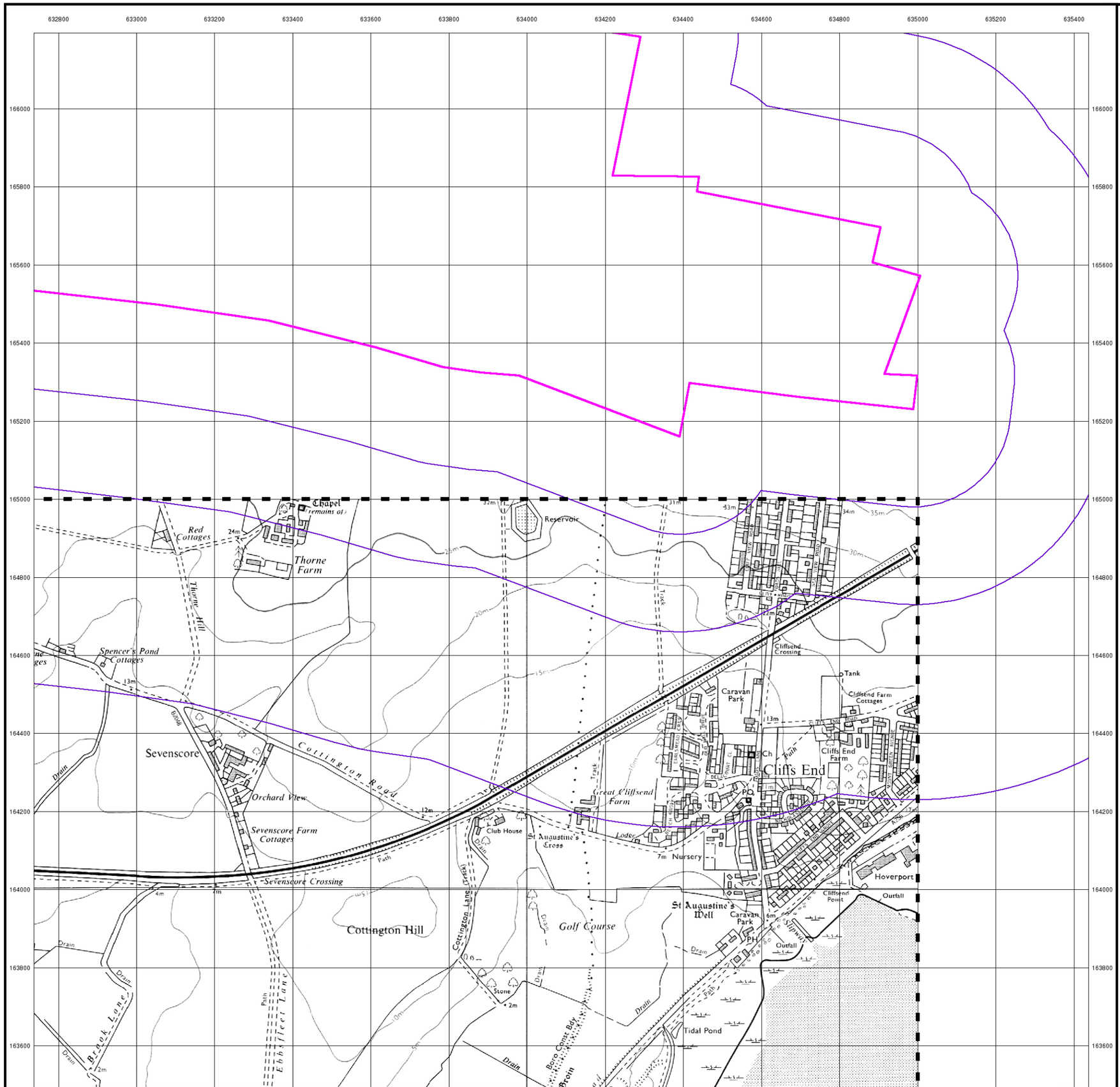

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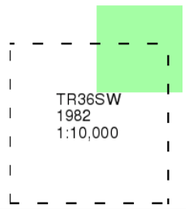
Ordnance Survey Plan

Published 1982

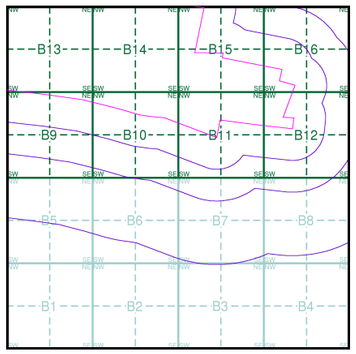
Source map scale - 1:10,000

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 B



Order Details

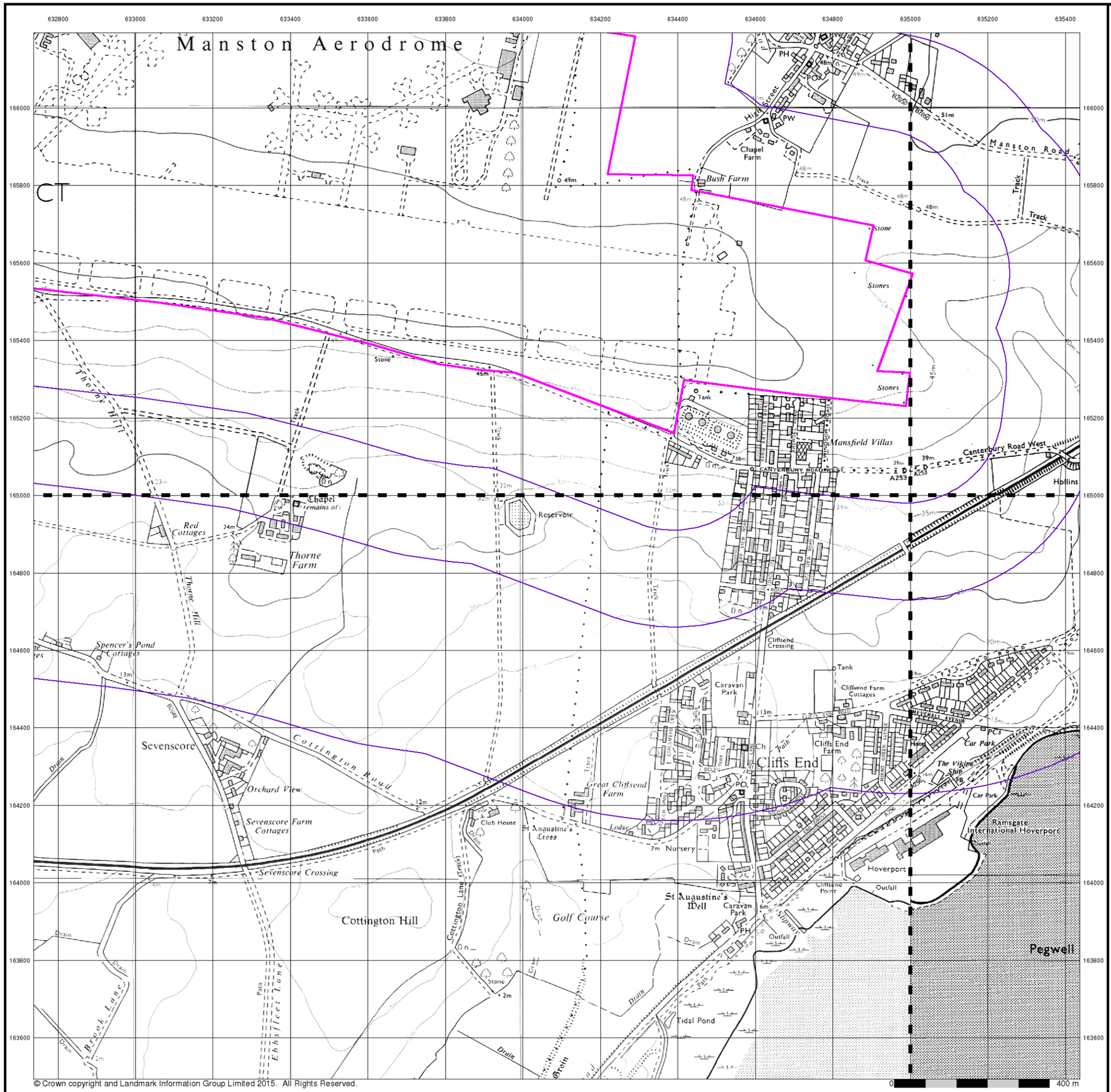
Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

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



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Ordnance Survey Plan

Published 1990 - 1995

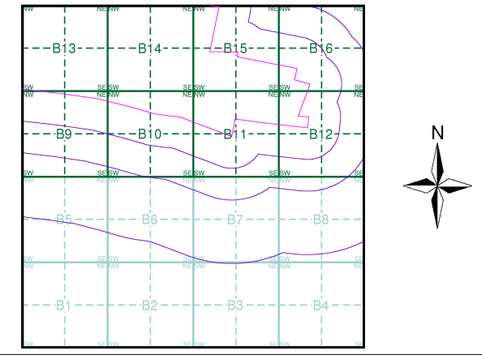
Source map scale - 1:10,000

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)

TR36NW 1991 1:10,000	TR36NE 1995 1:10,000
TR36SW 1990 1:10,000	TR36SE 1991 1:10,000

Historical Map - Slice B



Order Details

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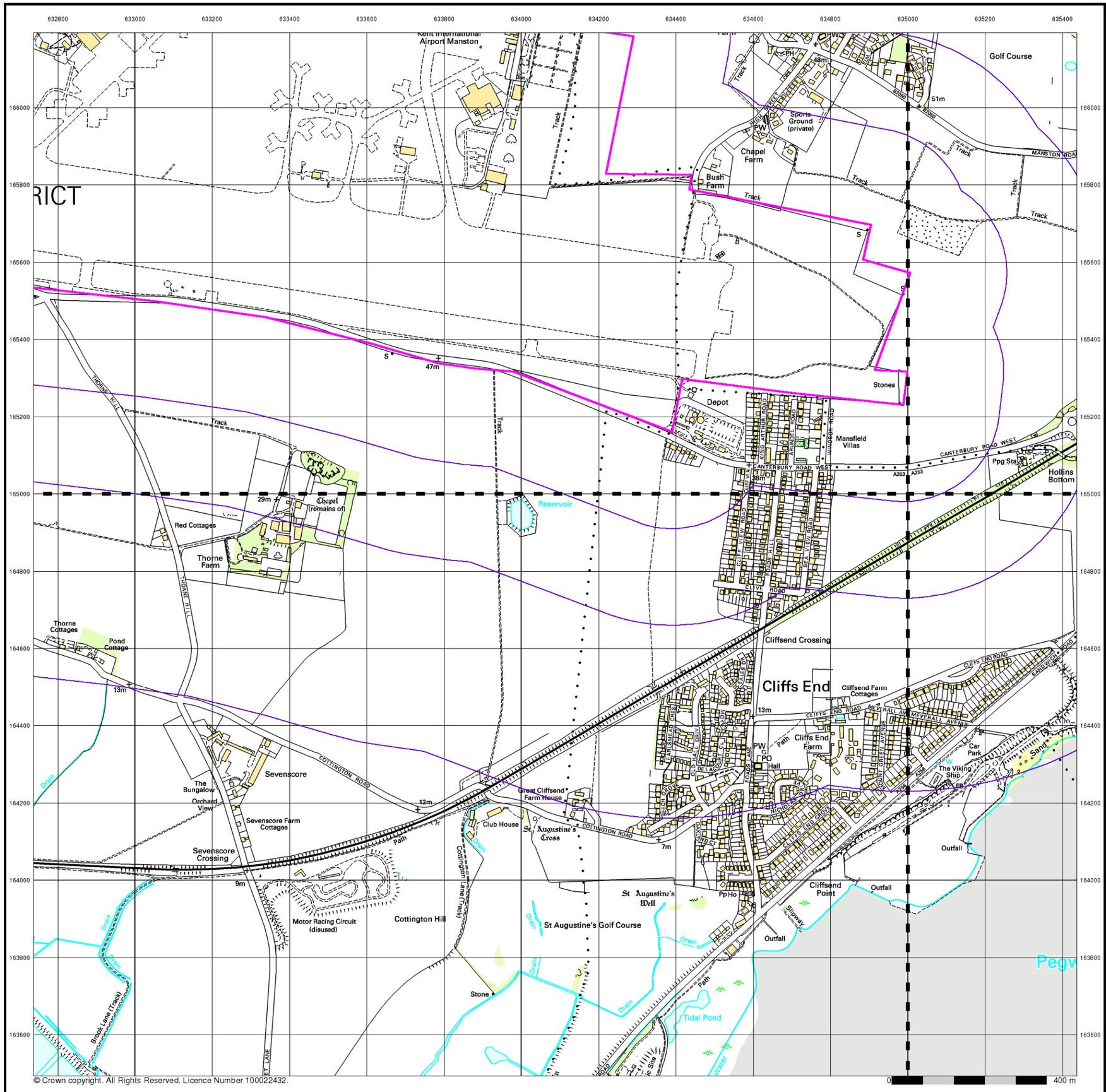

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10k Raster Mapping

Published 2006

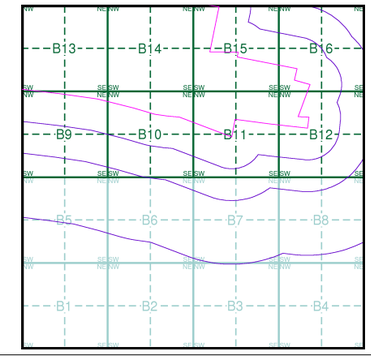
Source map scale - 1:10,000

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)

TR36NW 2006 1:10,000	TR36NE 2006 1:10,000
TR36SW 2006 1:10,000	TR36SE 2006 1:10,000

Historical Map - Slice B



Order Details

Order Number:	82787389_1_1
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Site Area (Ha):	306.39
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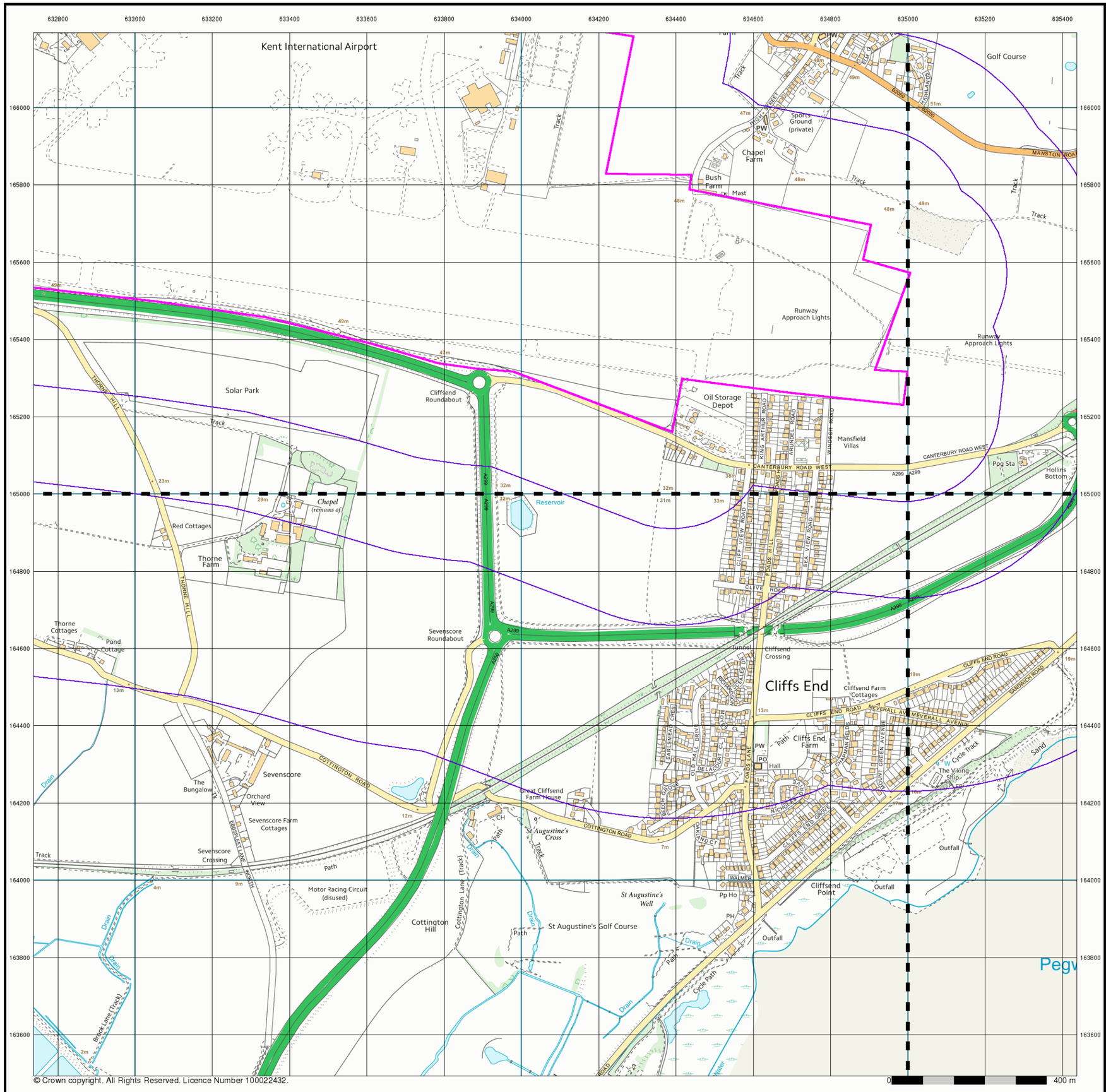

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VectorMap Local

Published 2016

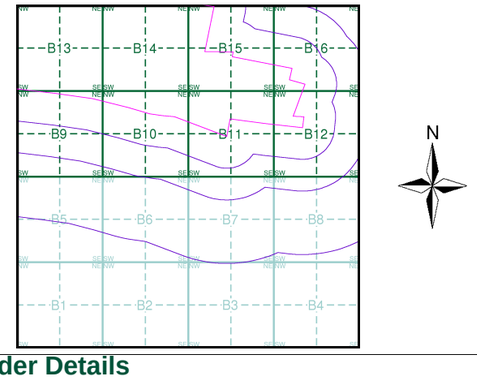
Source map scale - 1:10,000

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)

TR36NW 2016 Variable	TR36NE 2016 Variable
TR36SW 2016 Variable	TR36SE 2016 Variable

Historical Map - Slice B



Order Details

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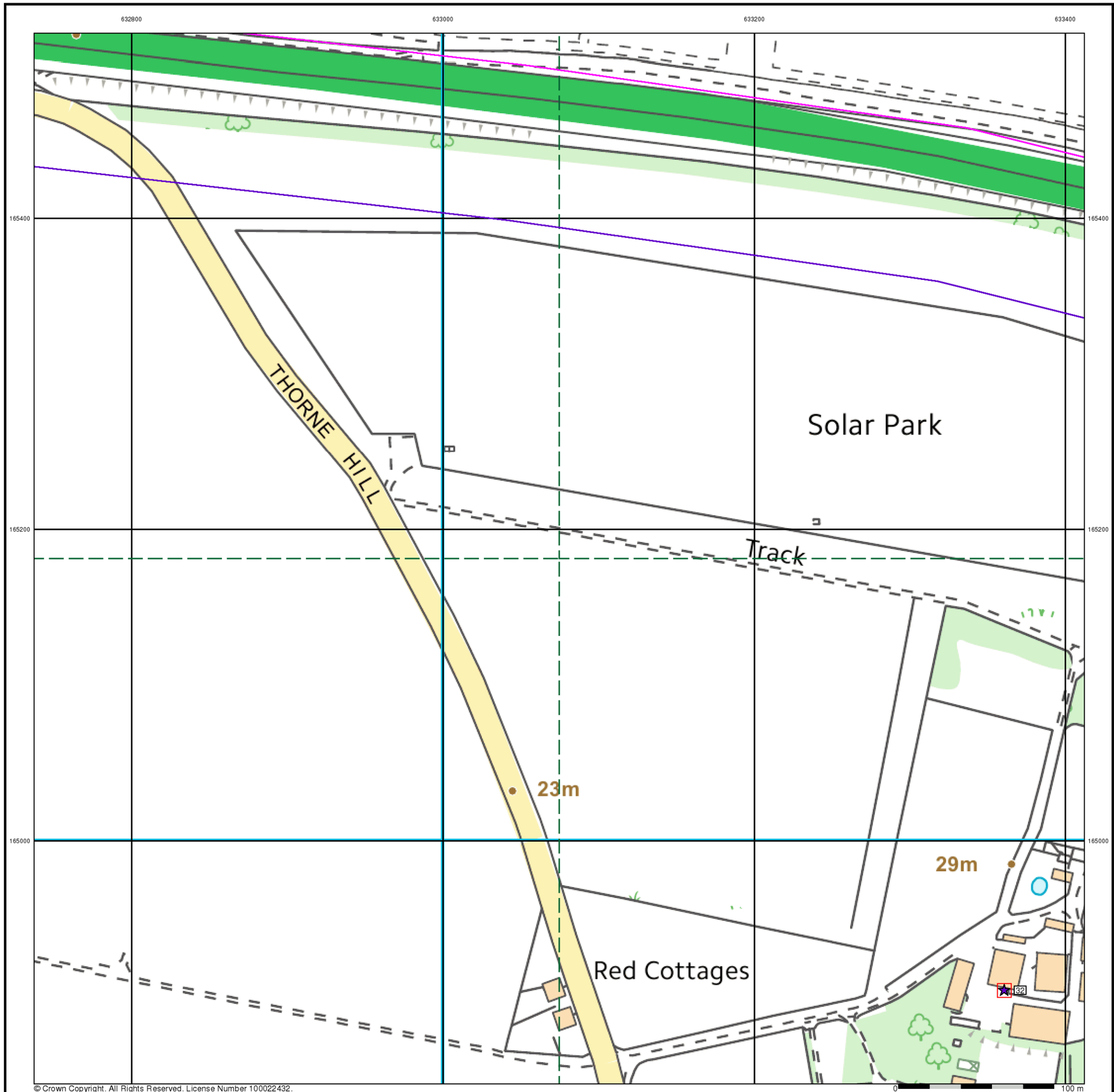


Envirocheck®

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

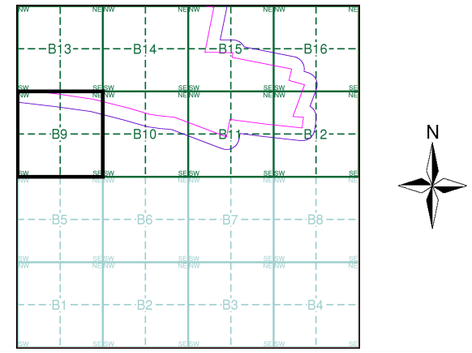
Waste

- 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
- 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

Site Sensitivity Map - Segment B9



Order Details

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National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39

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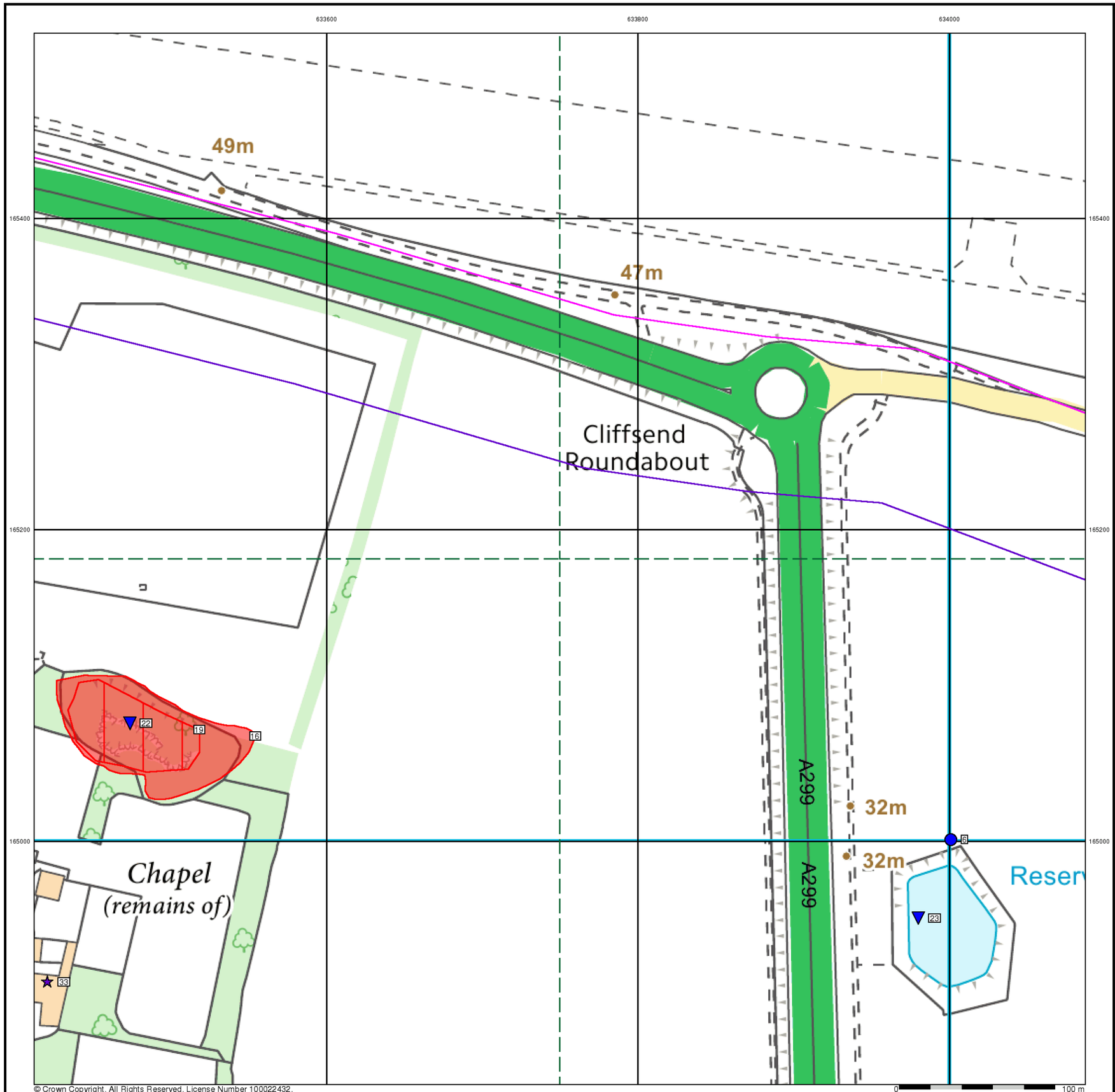


Envirocheck®

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

Geological

BGS Recorded Mineral Site

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry

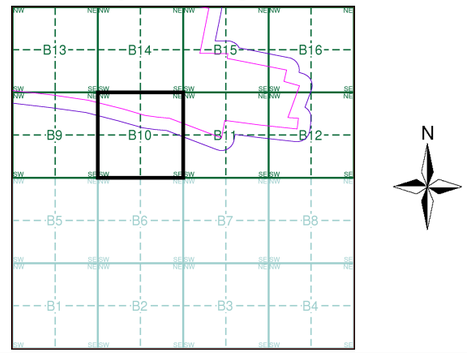
Waste

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
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

Site Sensitivity Map - Segment B10



Order Details

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Slice:	B
Site Area (Ha):	306.39

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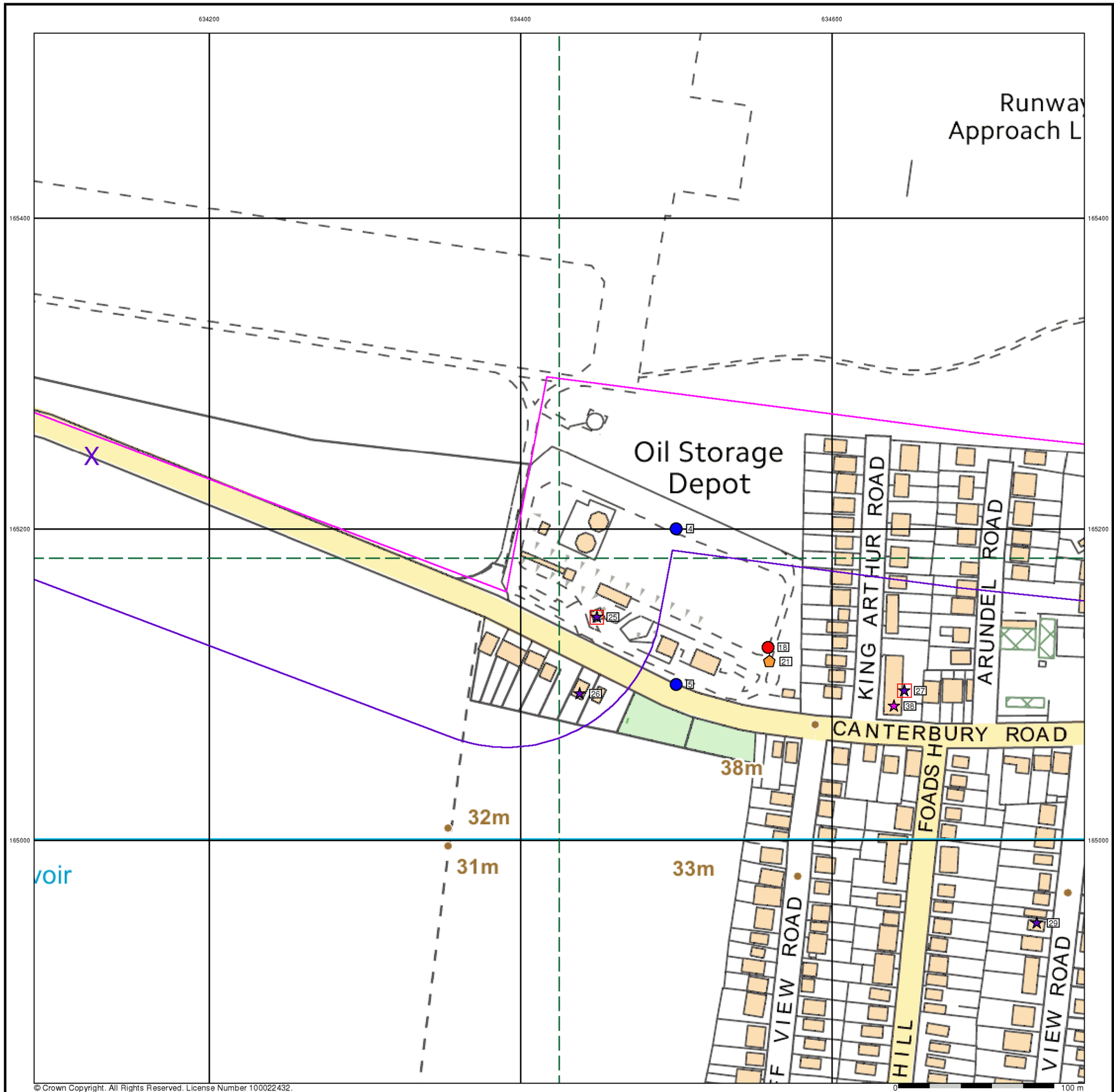


Envirocheck®

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

Geological

BGS Recorded Mineral Site

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry

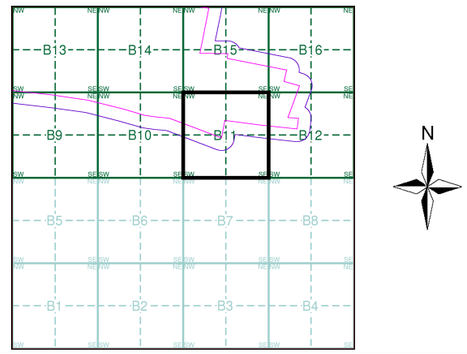
Waste

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
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

Site Sensitivity Map - Segment B11



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39

Site Details

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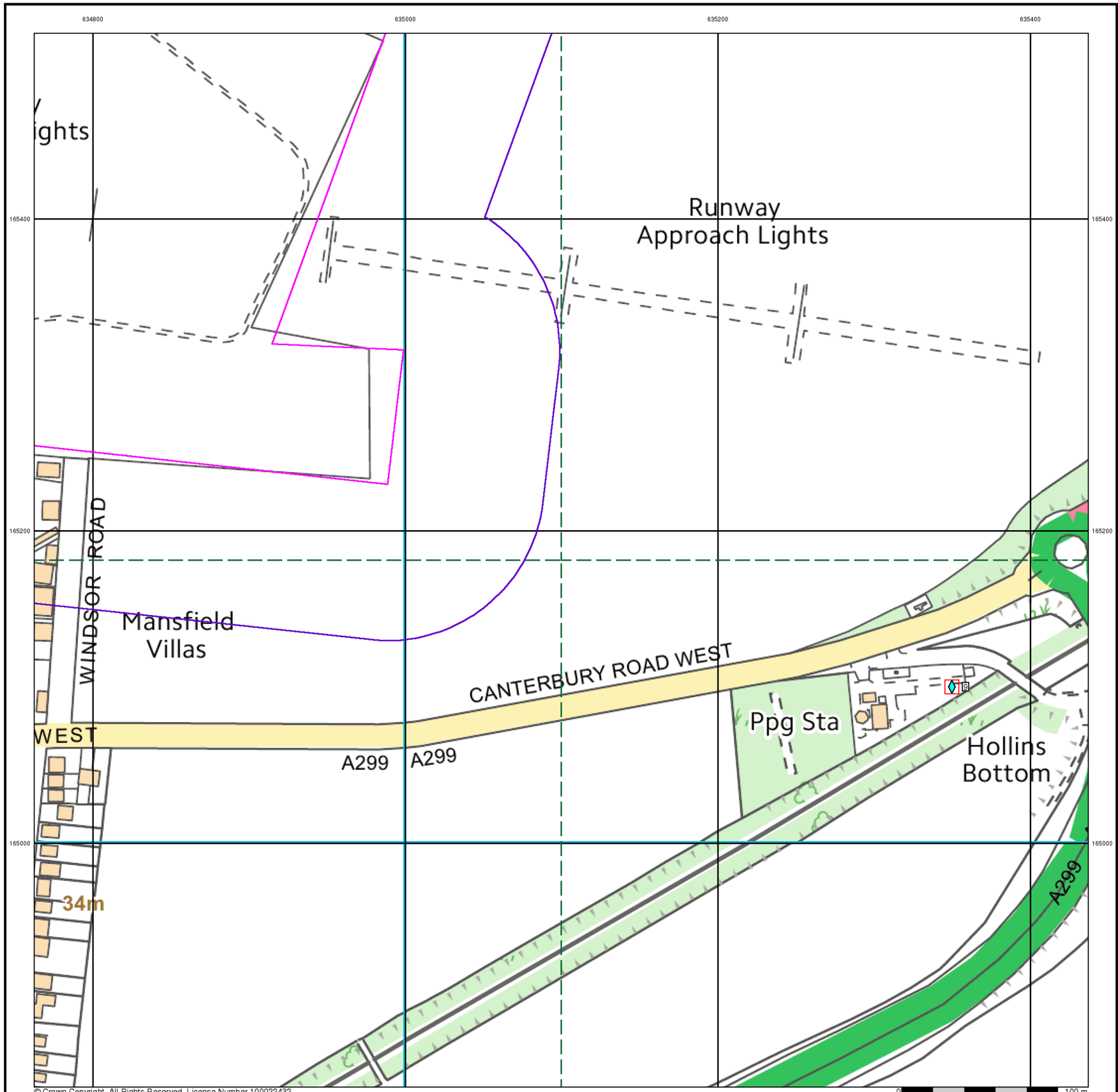


Envirocheck®

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

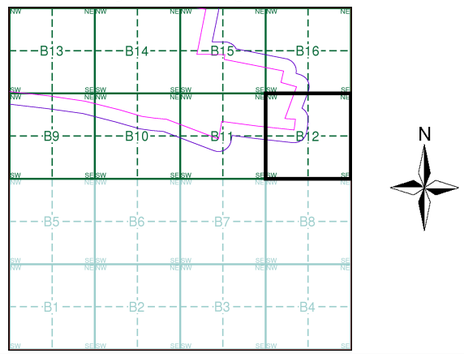
Waste

- 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
- 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

Site Sensitivity Map - Segment B12



Order Details

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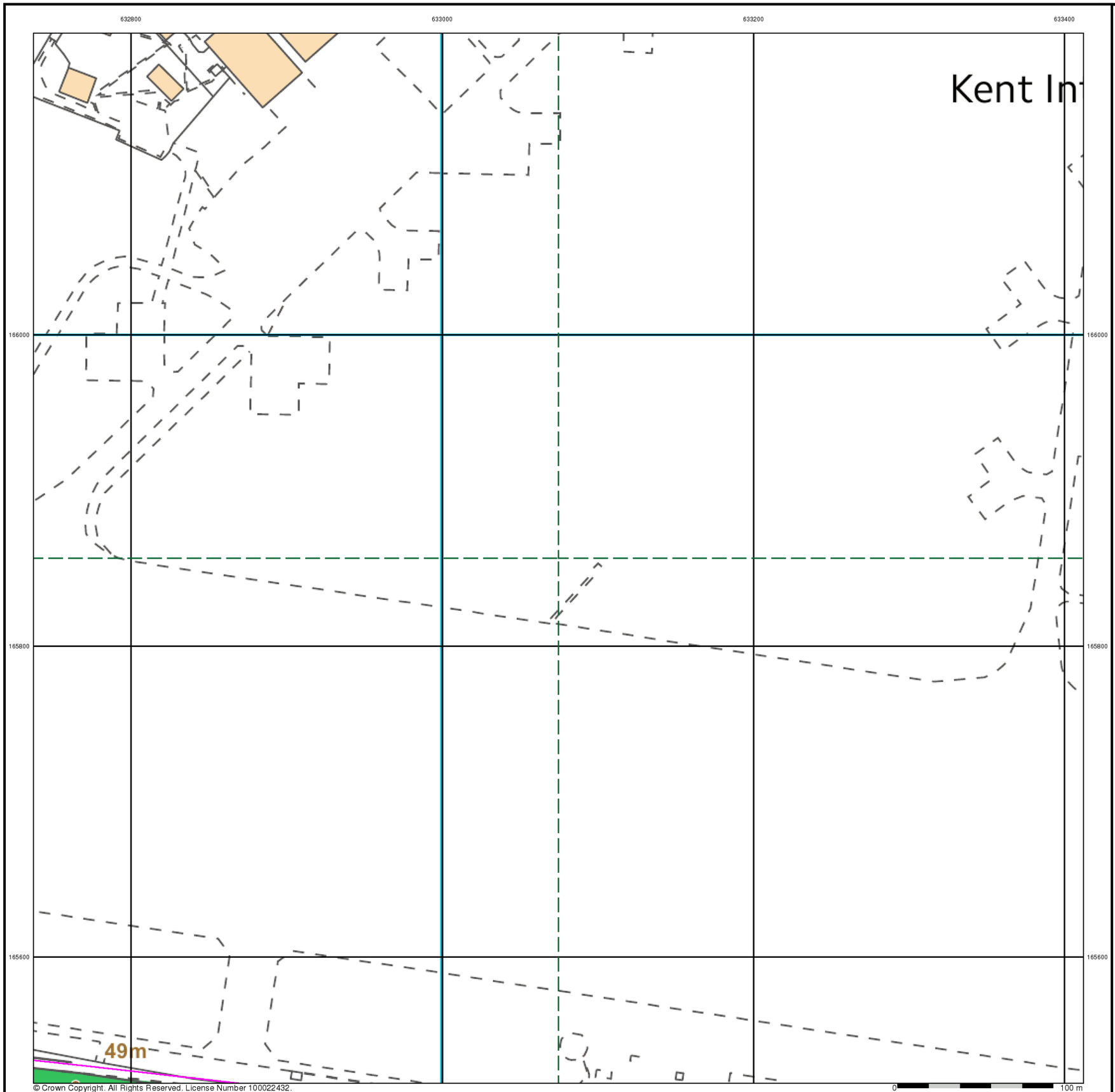


Envirocheck®

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

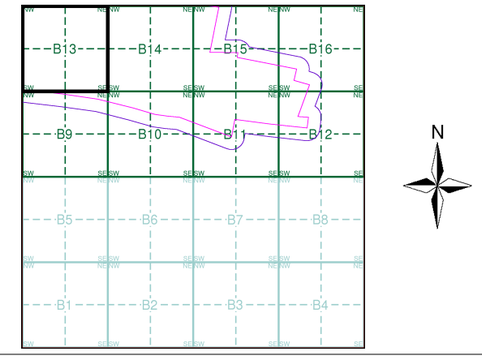
Waste

- 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
- 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

Site Sensitivity Map - Segment B13



Order Details

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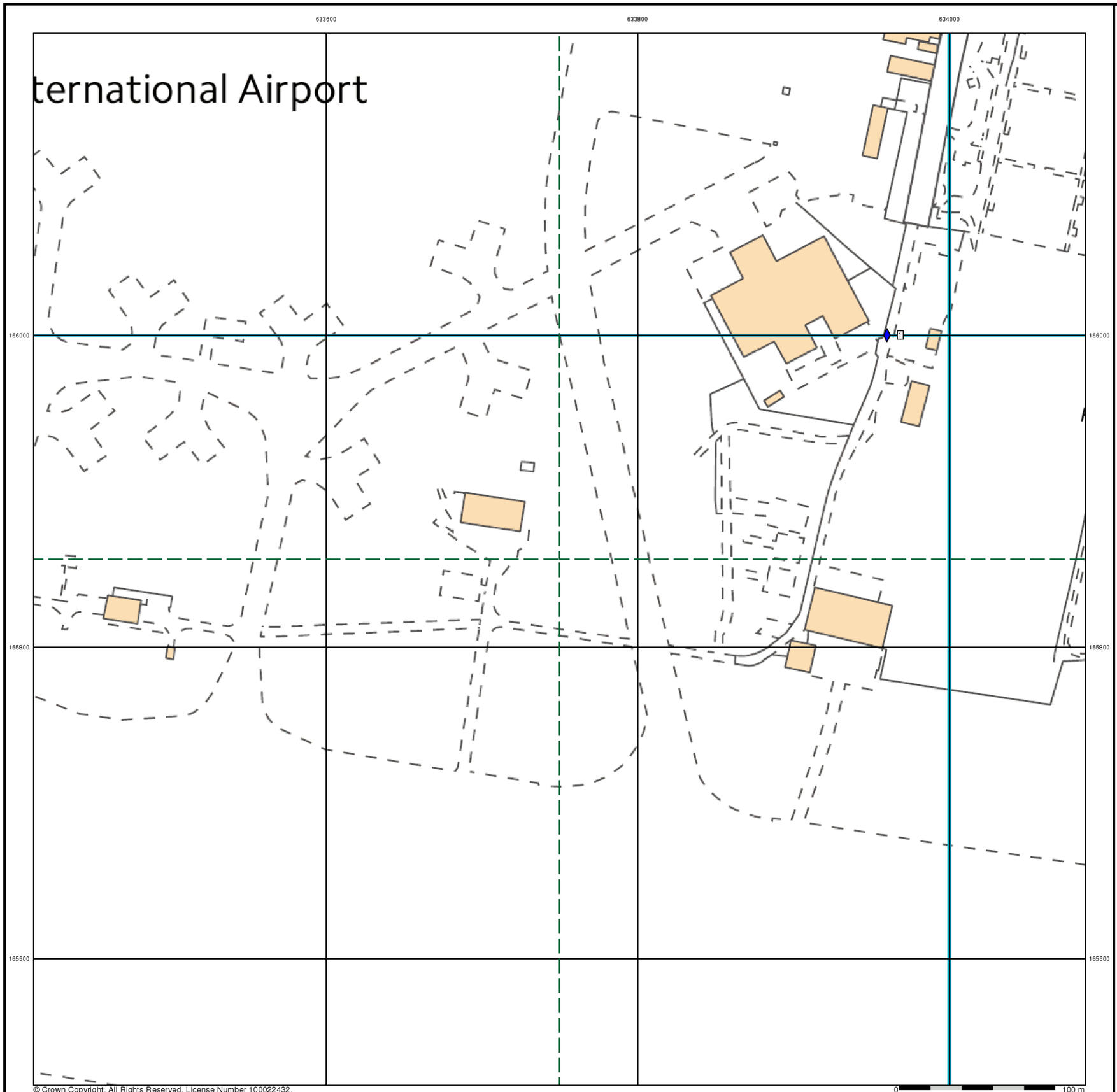


Envirocheck®

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

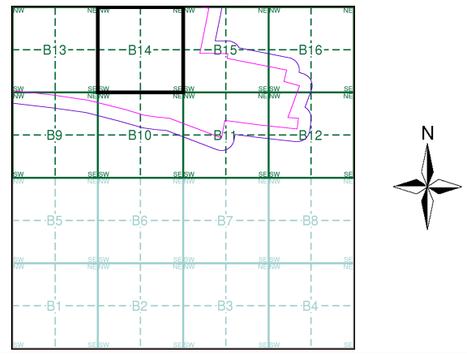
Waste

- 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
- 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

Site Sensitivity Map - Segment B14



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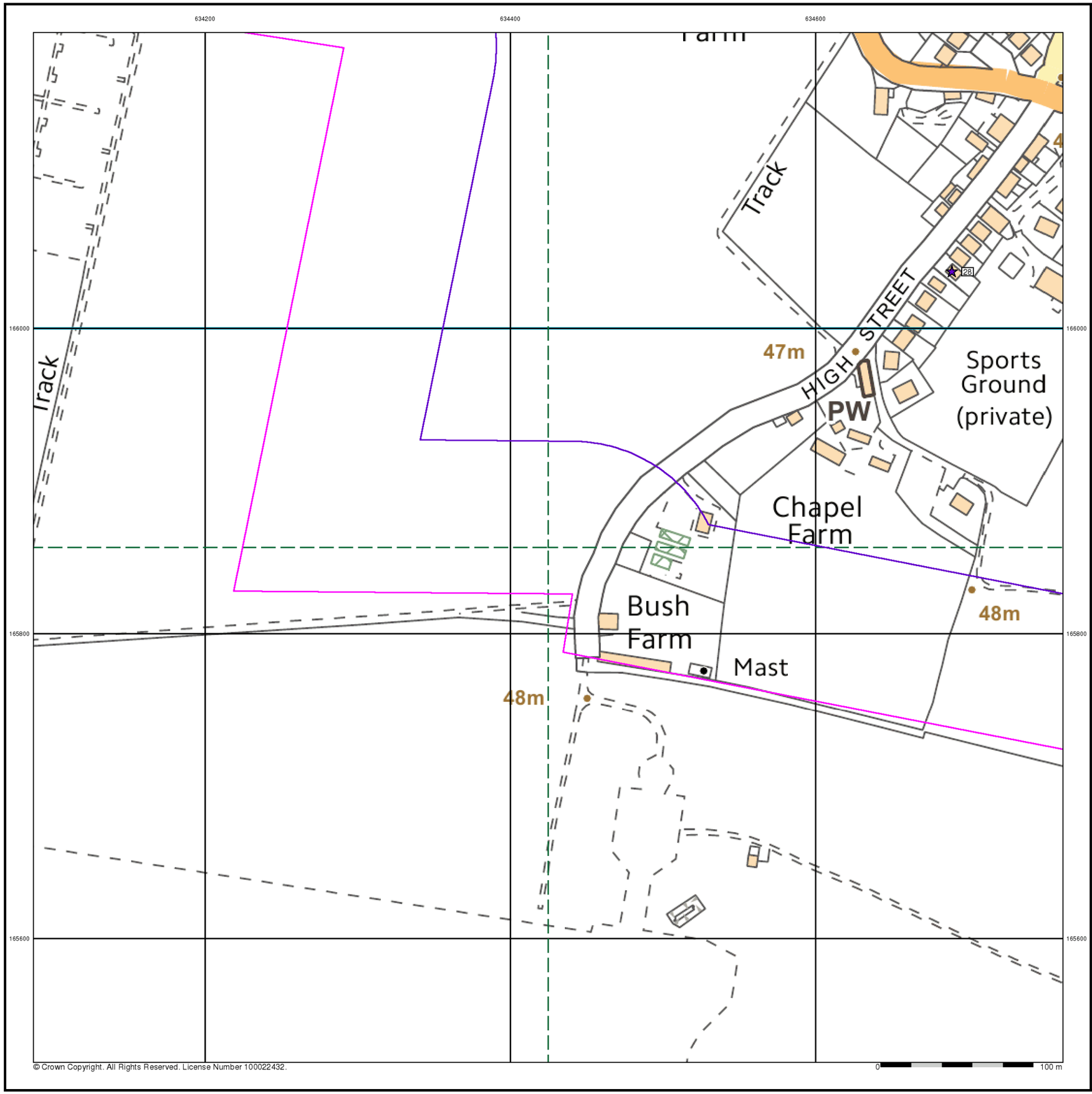


Envirocheck®

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

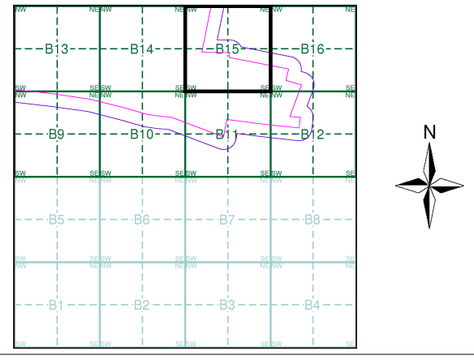
Waste

- 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
- 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

Site Sensitivity Map - Segment B15



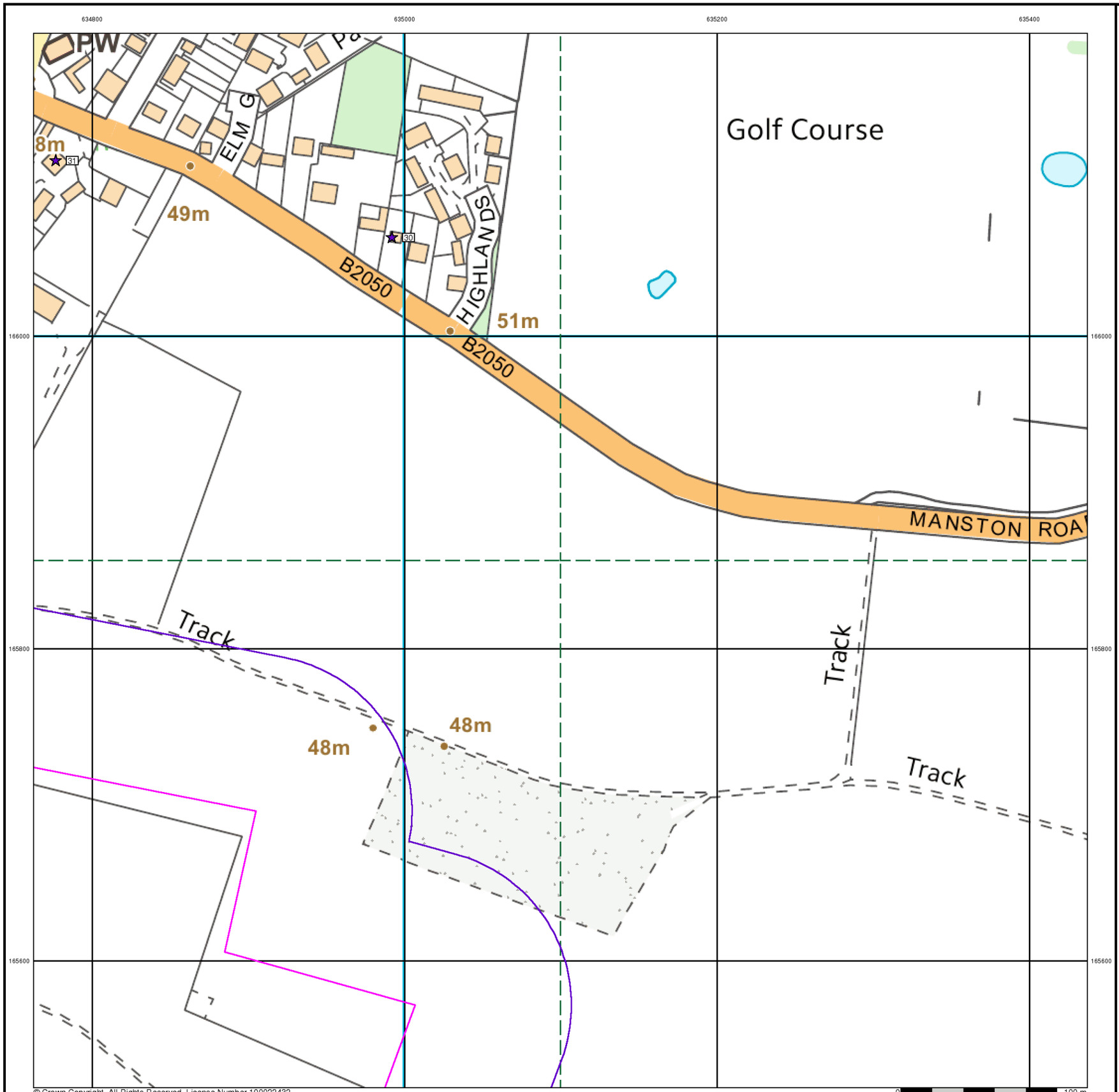
Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Waste

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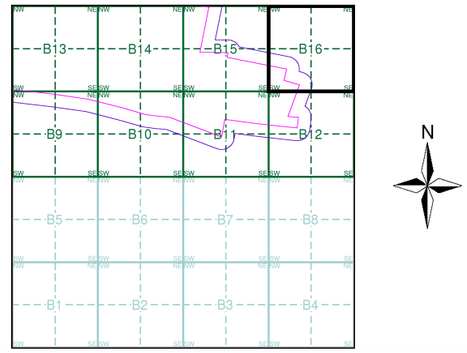
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

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

Site Sensitivity Map - Segment B16



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39

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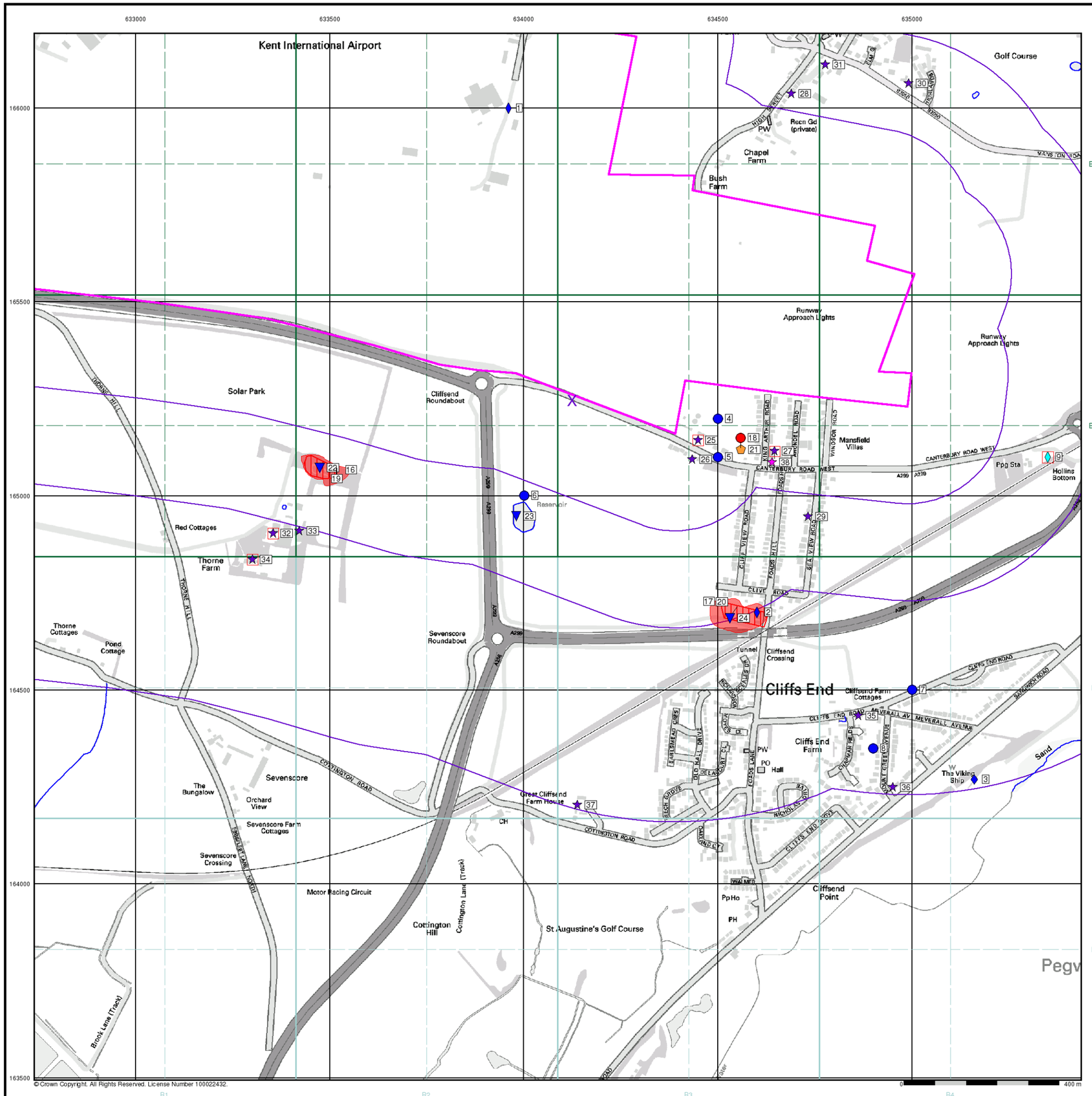

General

- 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
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- 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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

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- Registered Waste Transfer Site
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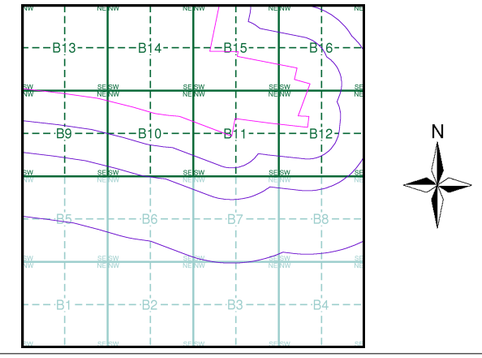
- Registered Waste Treatment or Disposal Site

Hazardous Substances

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

Site Sensitivity Map - Slice B



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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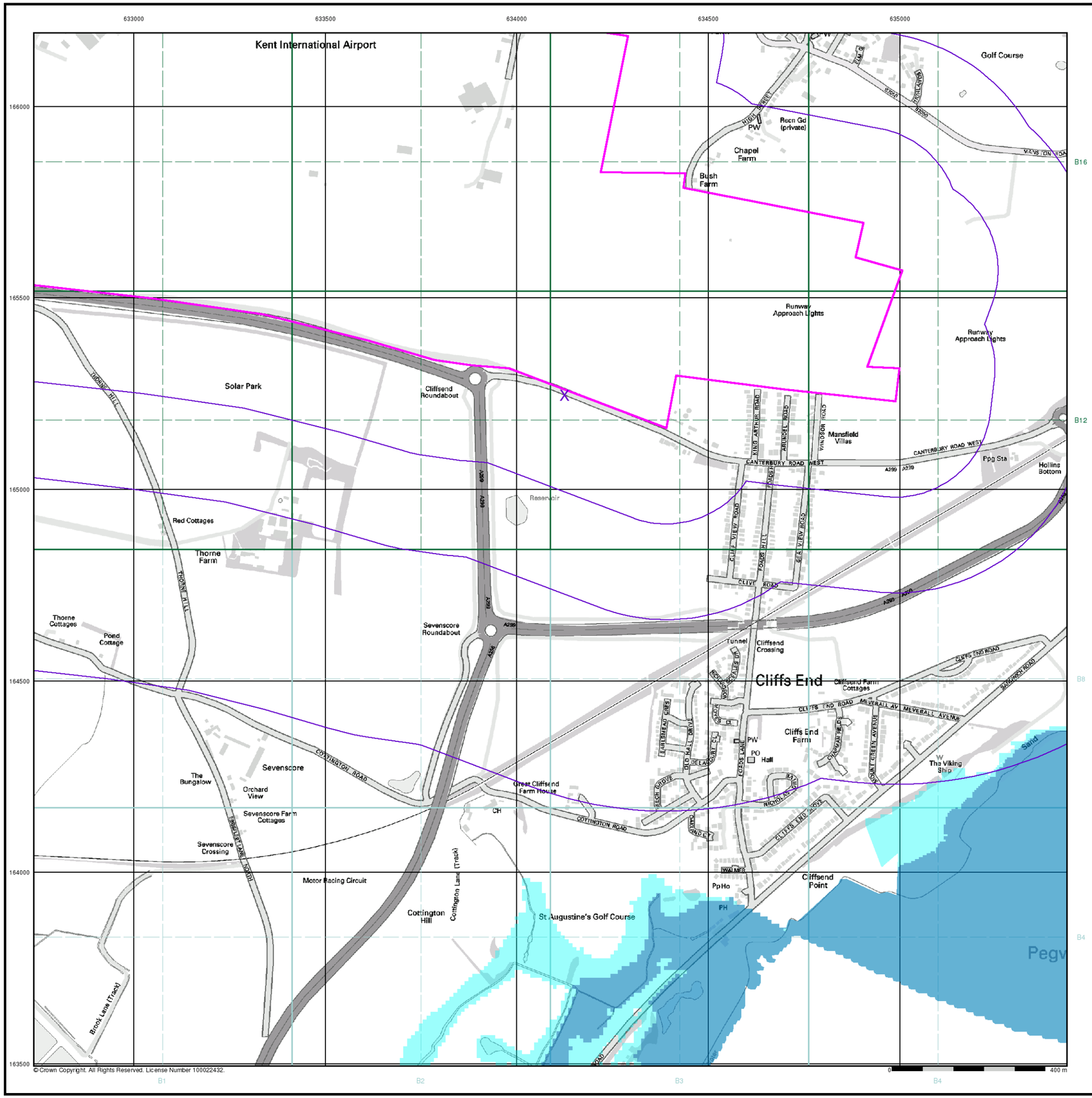


Envirocheck®

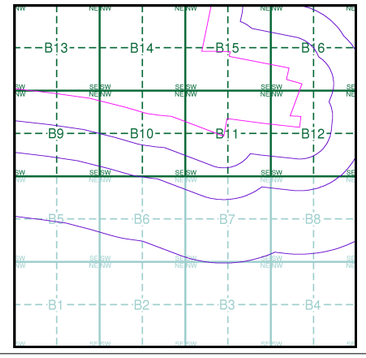
General

- 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 B



Order Details

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Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	1000

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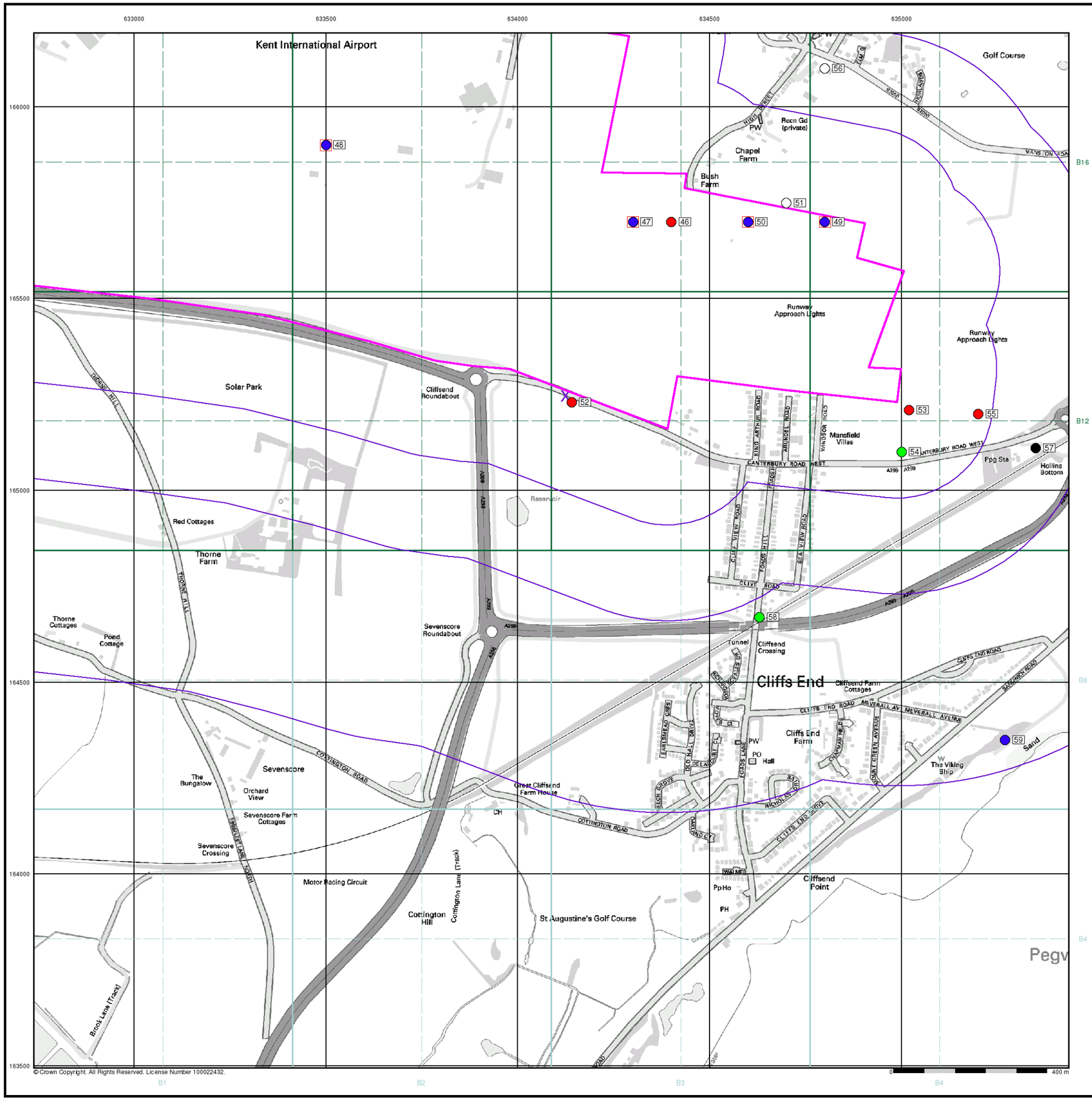


Envirocheck®

General

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

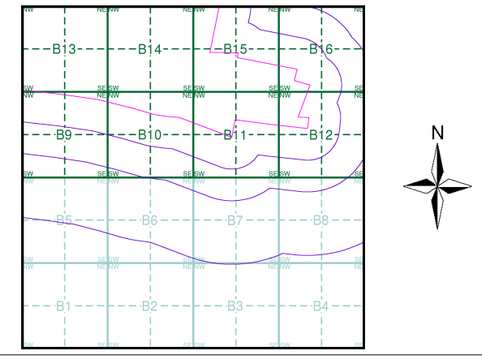
Agency and Hydrological (Boreholes)

- 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 B



Order Details

Order Number:	82787389_1_1
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National Grid Reference:	634120, 165250
Slice:	B
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Site Details

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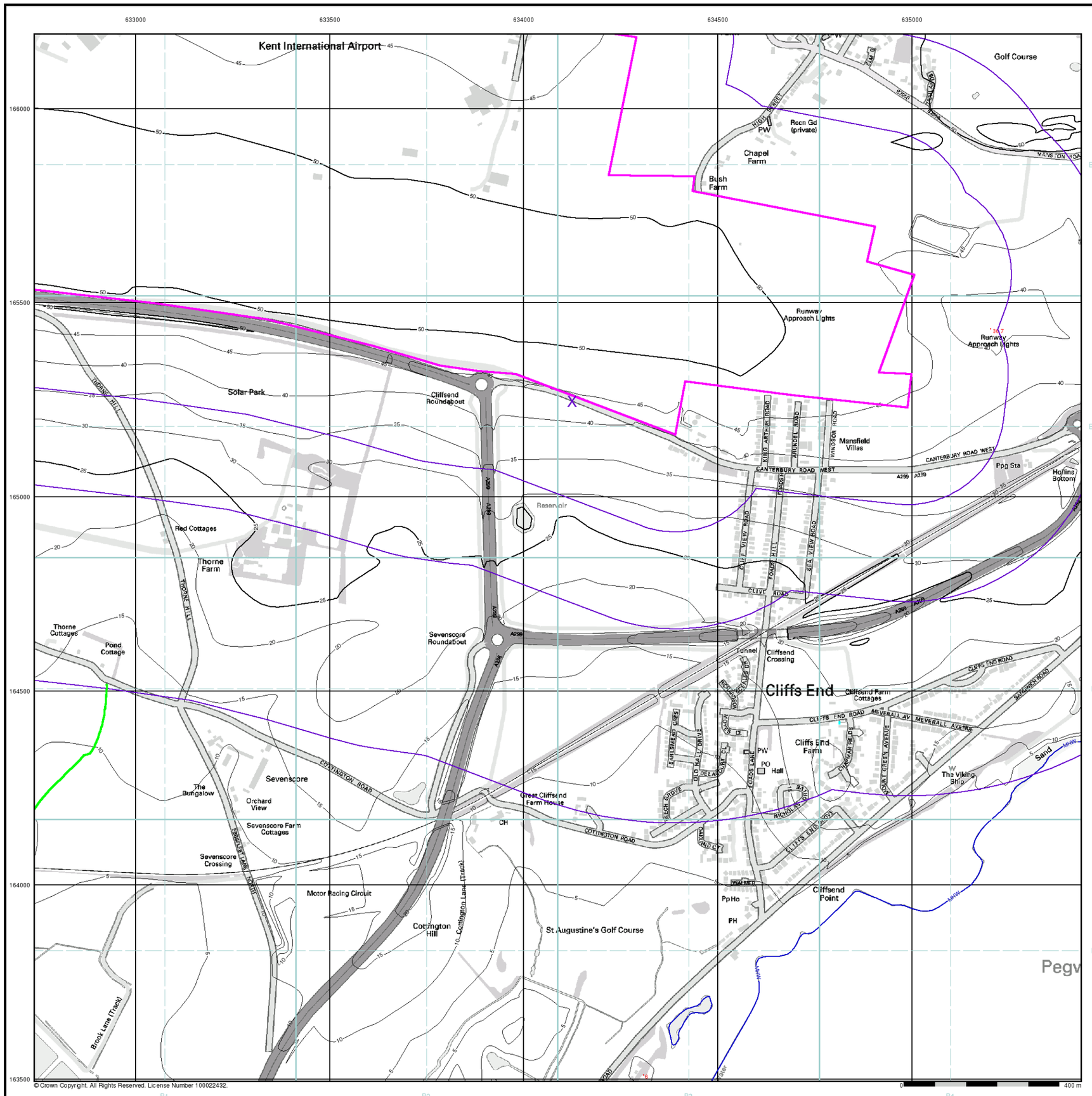


Envirocheck®

General

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

Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature

Contours (height in metres)

Standard Contour 105 100 95

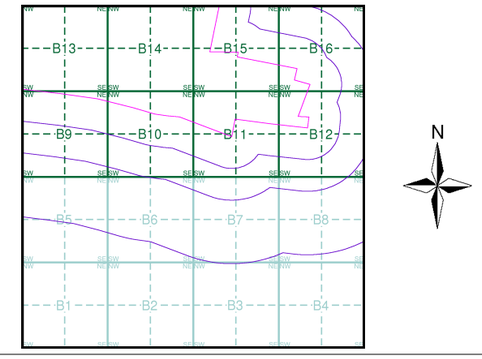
Master Contour

Spot Height *167.3

MLW Mean Low Water

MHW Mean High Water

EA/NRW Detailed River Network Map - Slice B



Order Details

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National Grid Reference:	634120, 165250
Slice:	B
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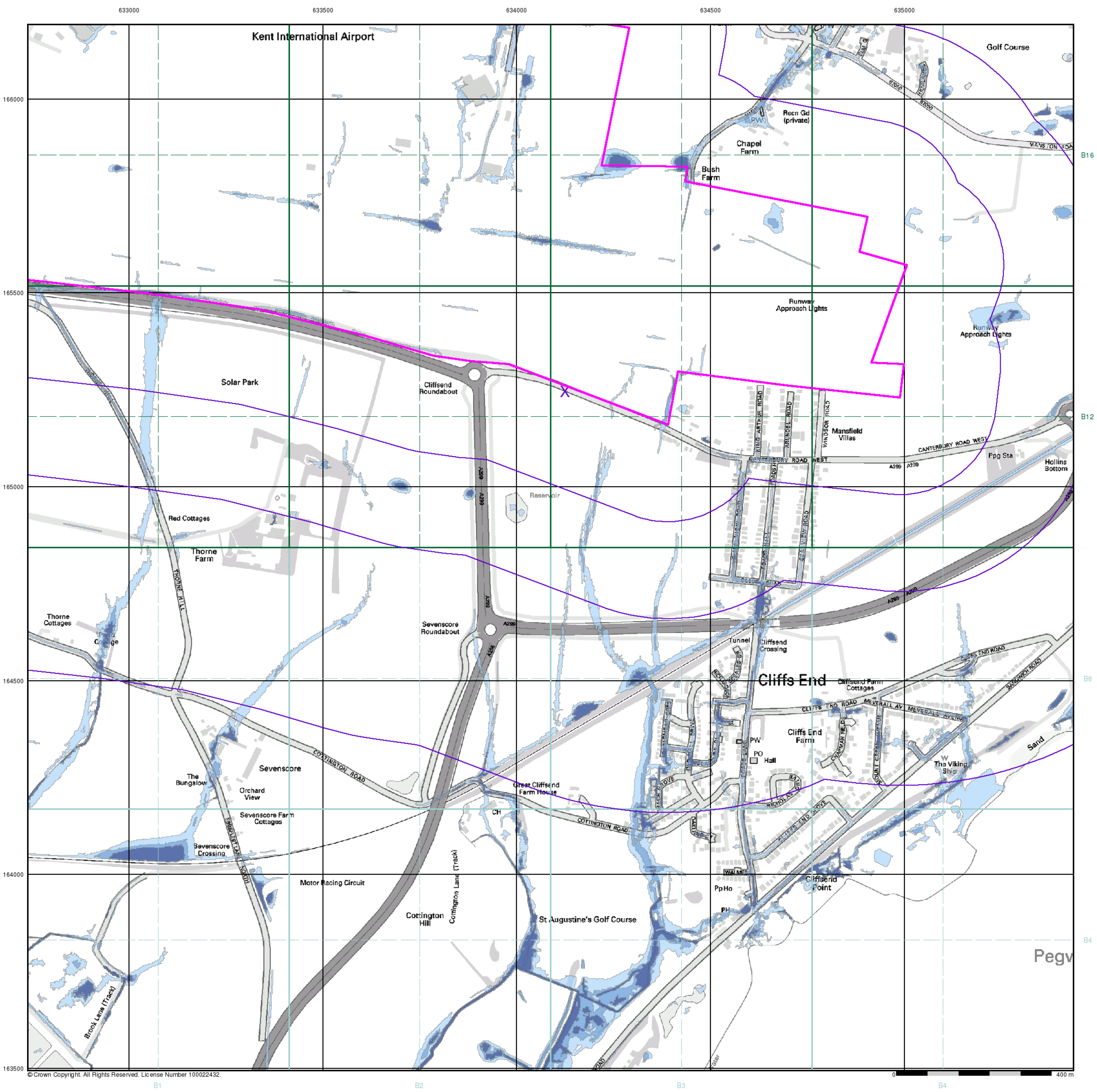


Envirocheck®

General

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

Risk of Flooding from Surface Water

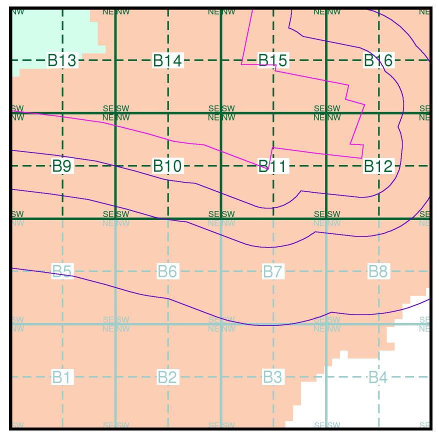
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice B



N

Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

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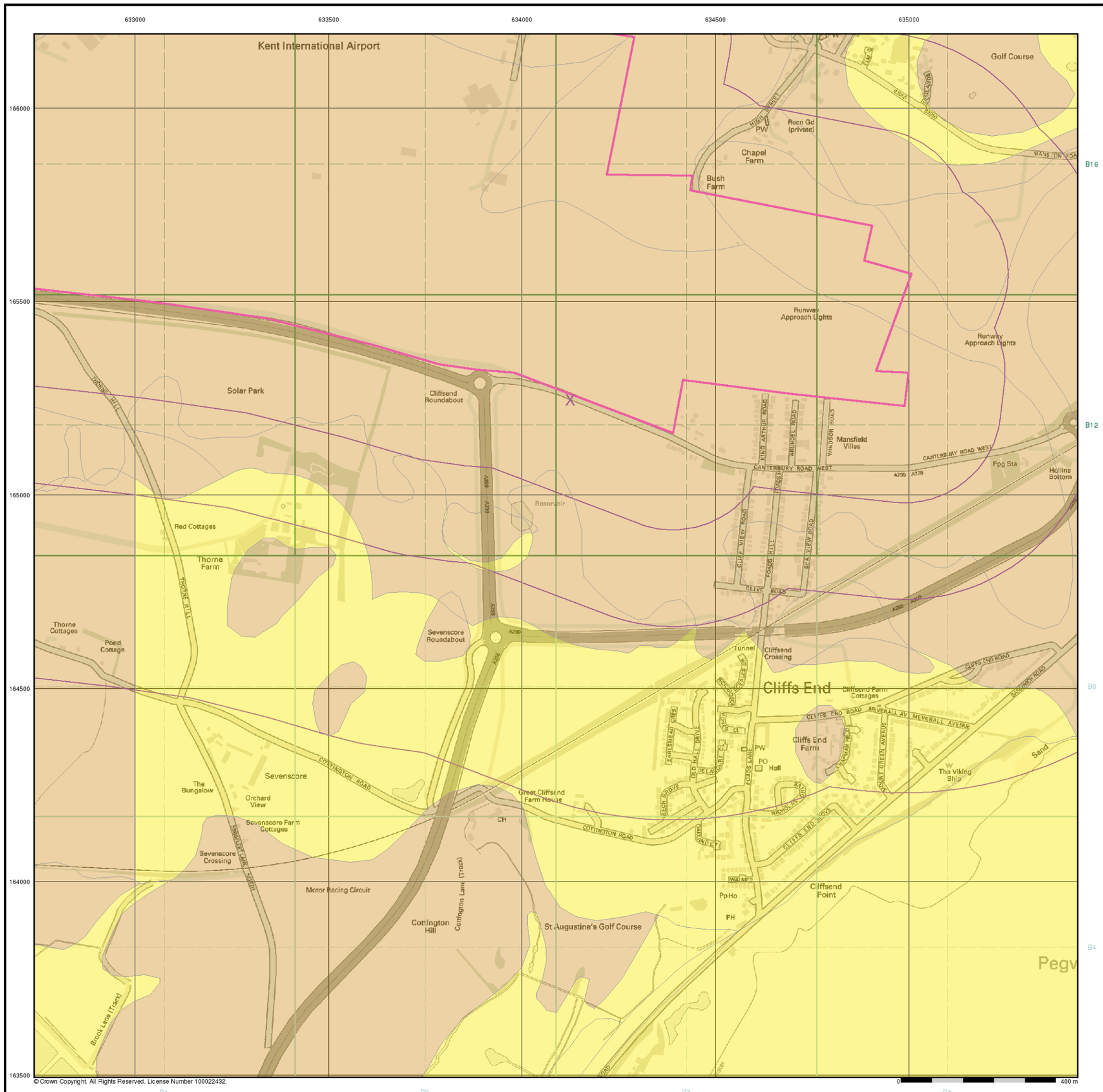


Envirocheck®

General

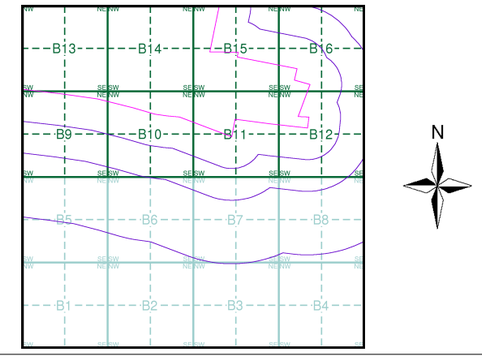
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice B



Order Details

Order Details:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

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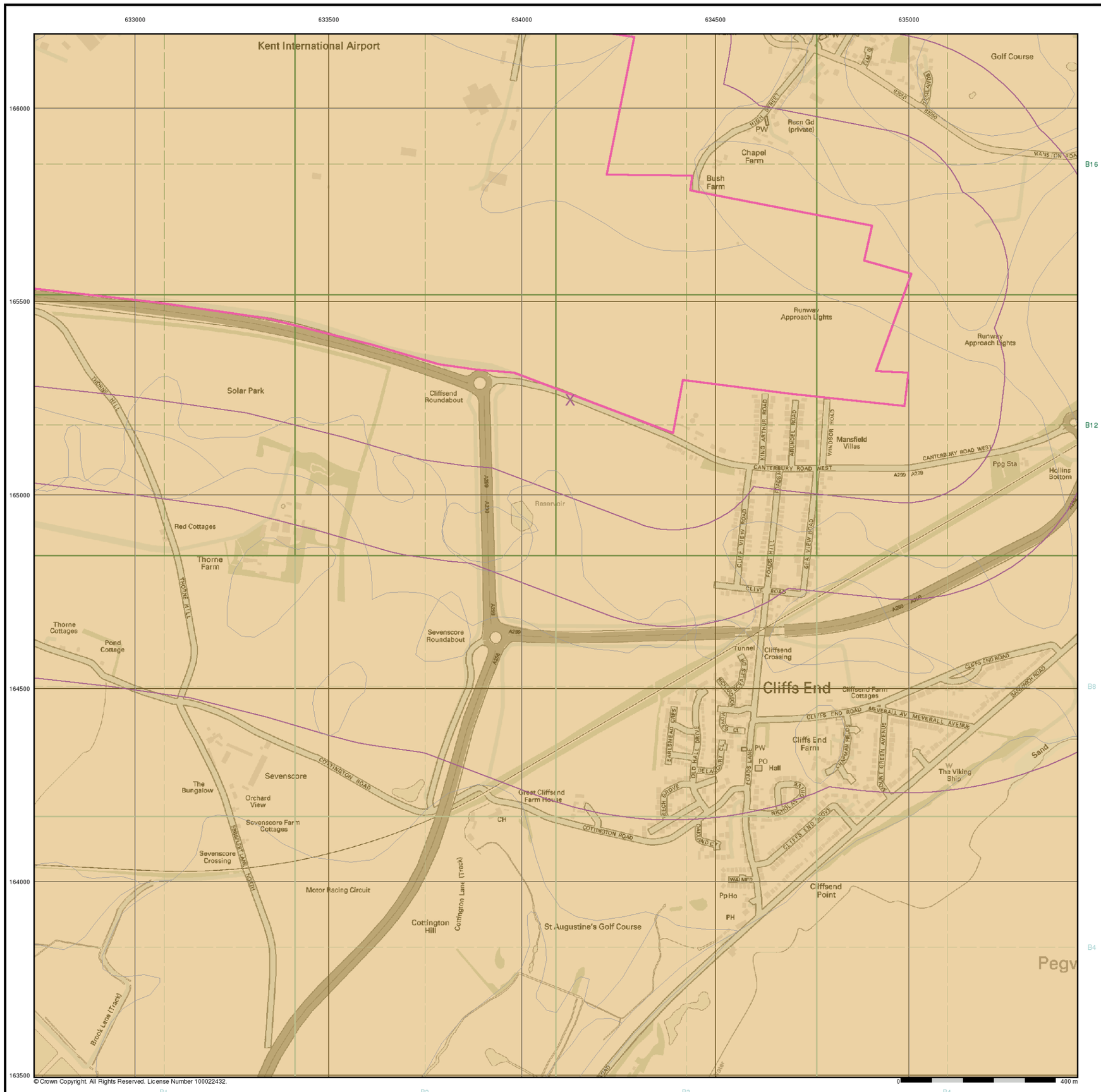


Envirocheck®

General

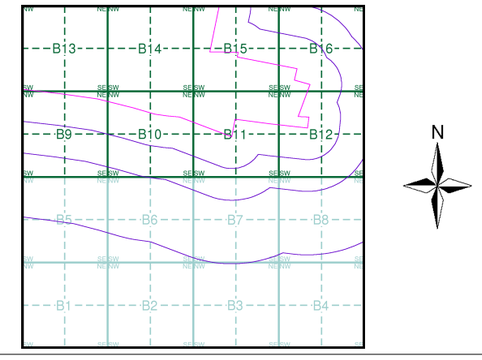
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice B



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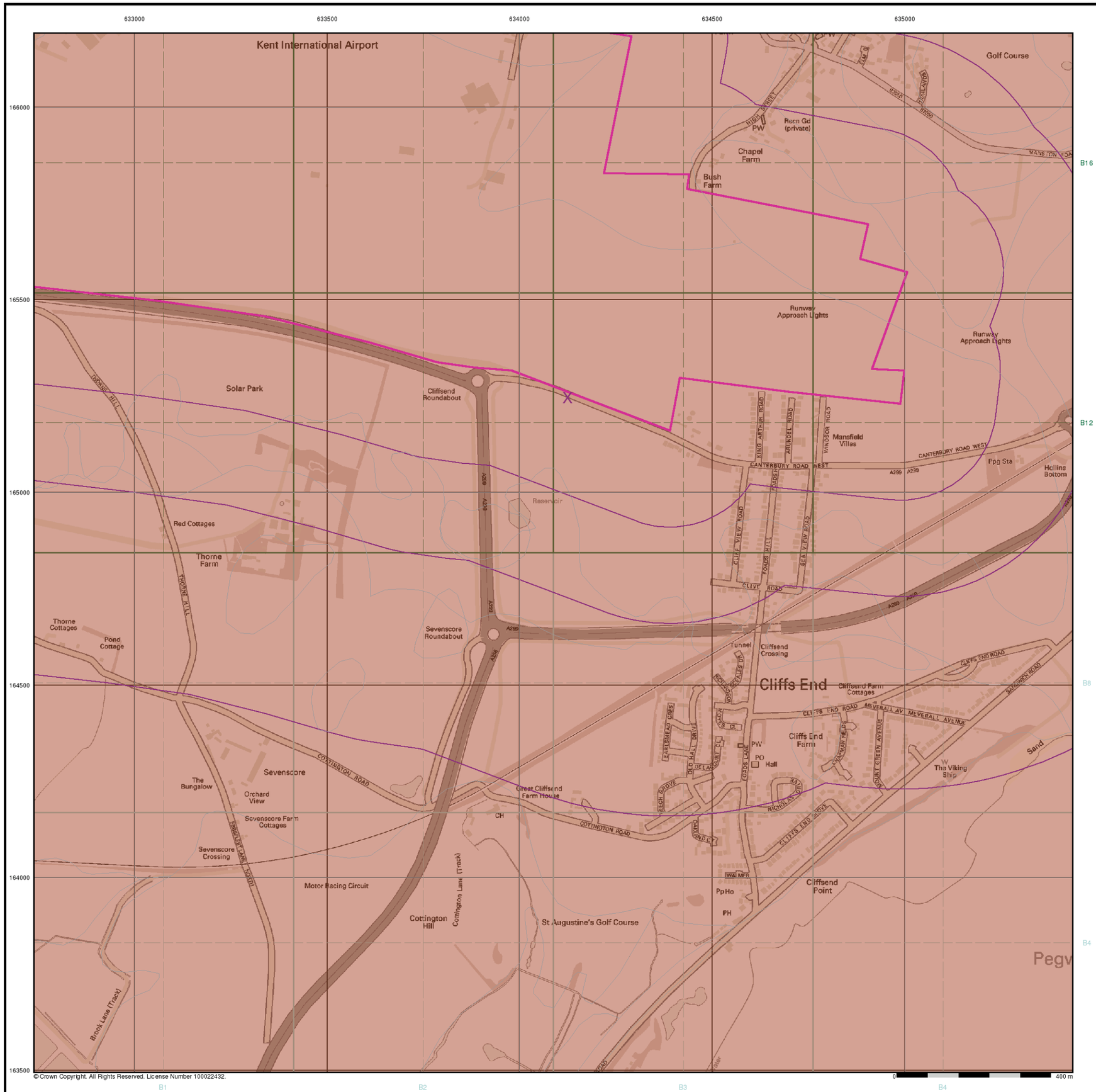


Envirocheck®

General

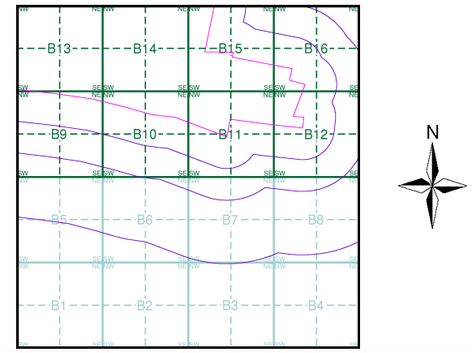
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice B



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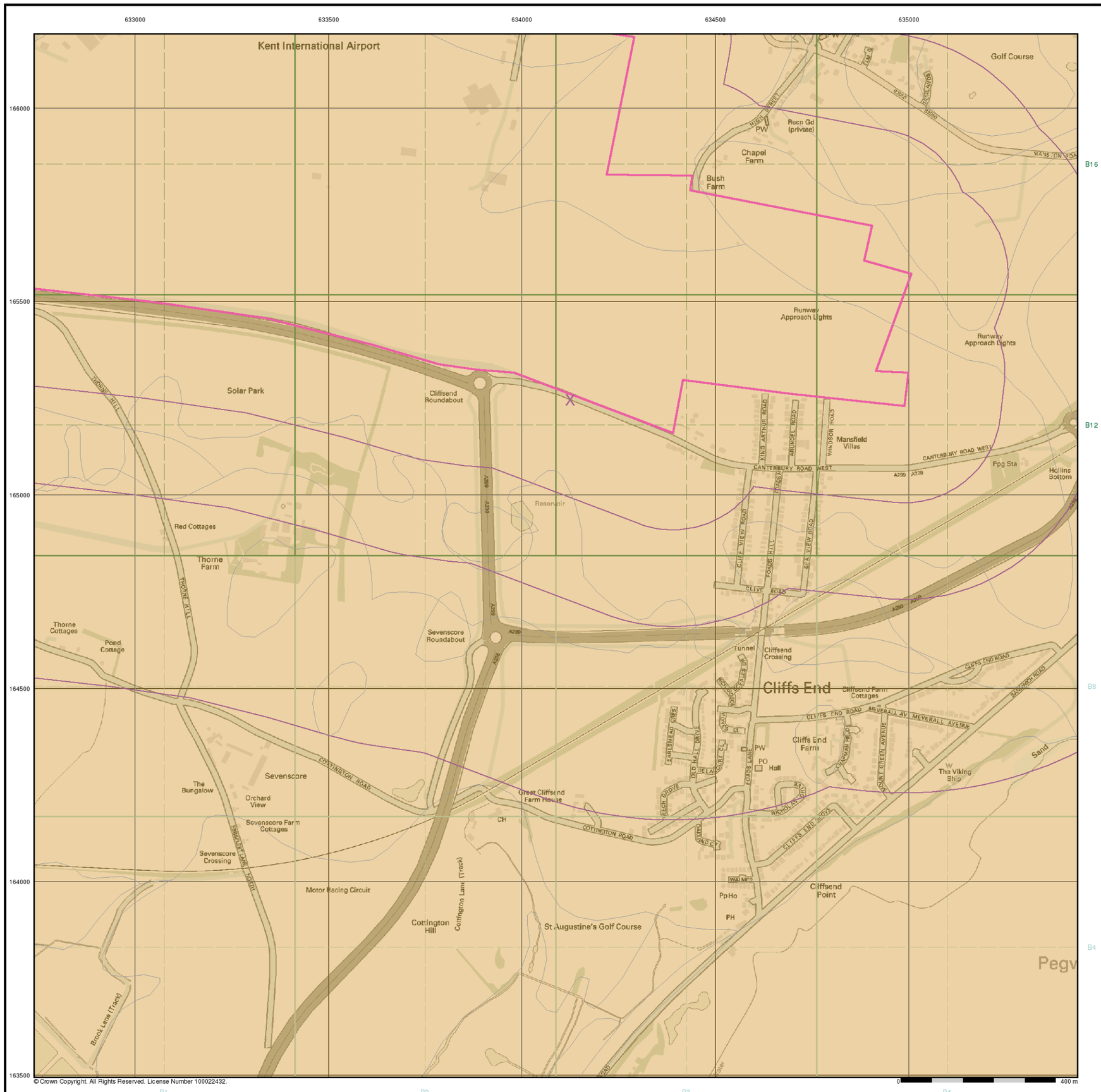


General

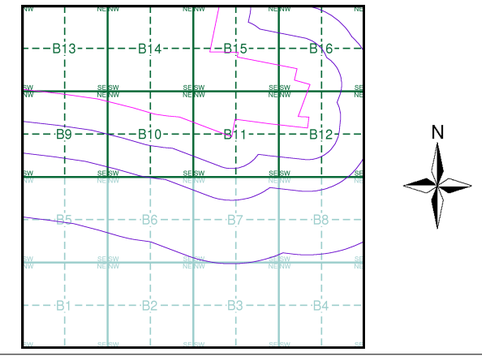
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- < 150
- 150 - 300
- 300 - 600
- 600 - 900
- > 900

Estimated Soil Chemistry Lead - Slice B



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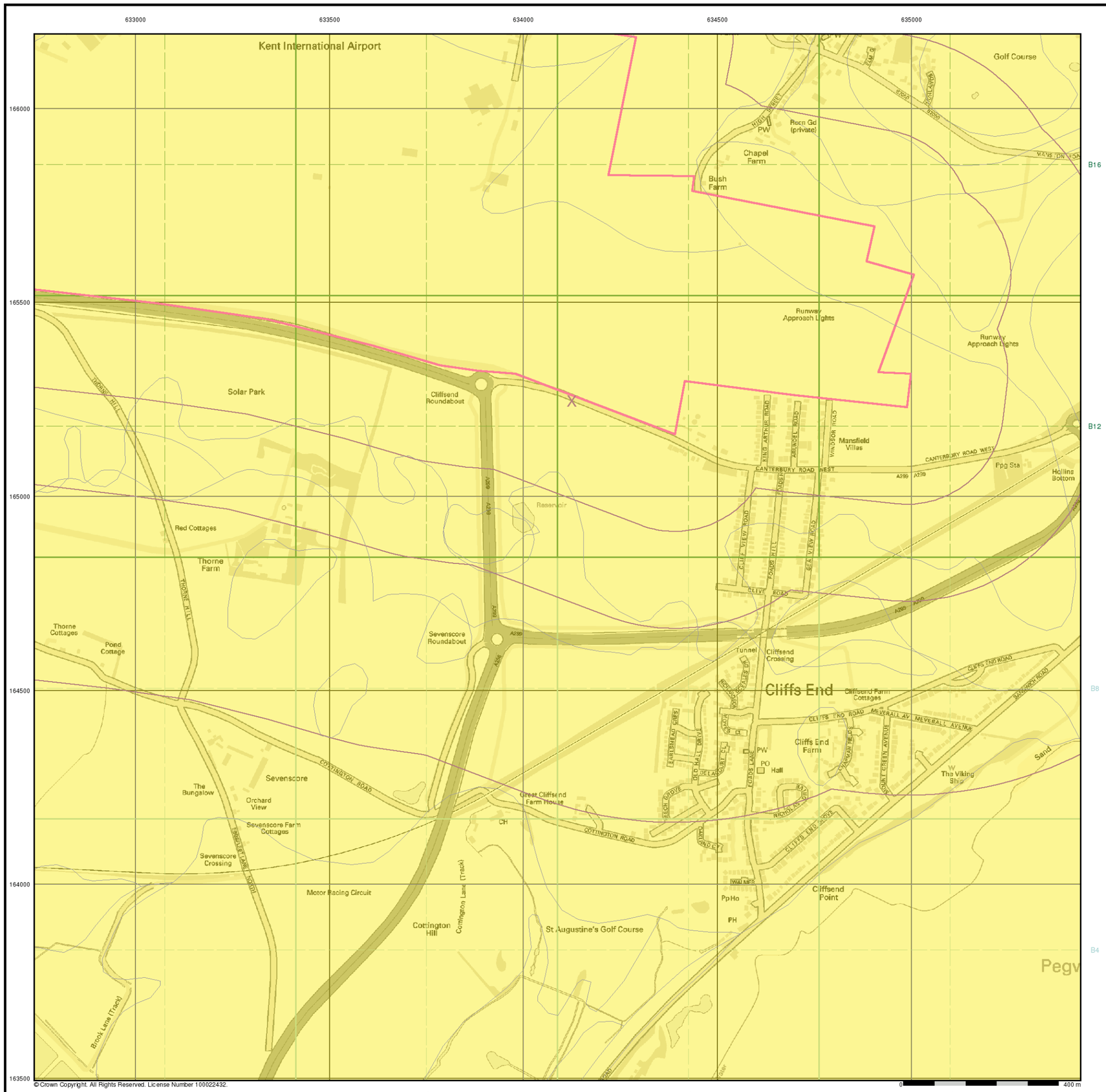


Envirocheck®

General

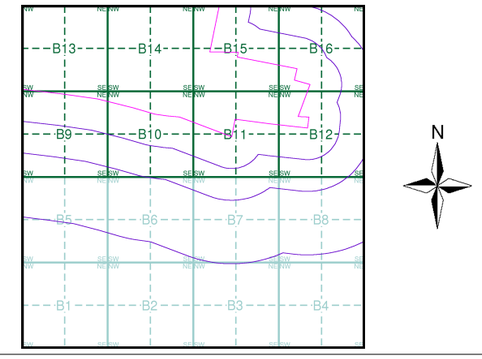
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice B



Order Details

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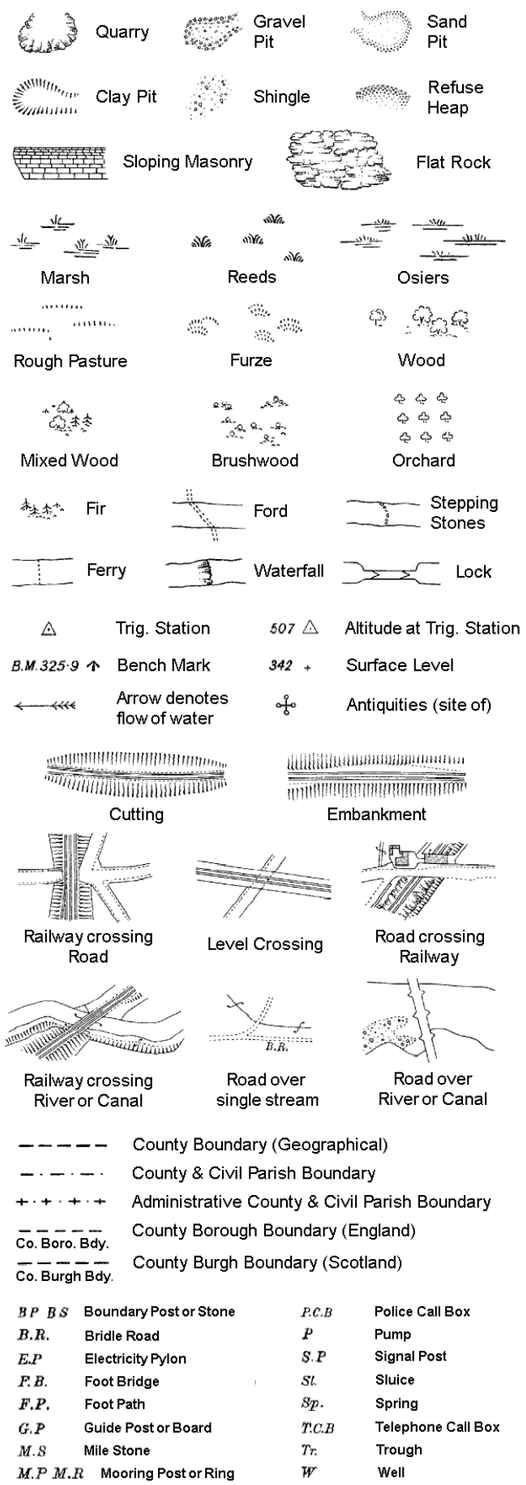
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

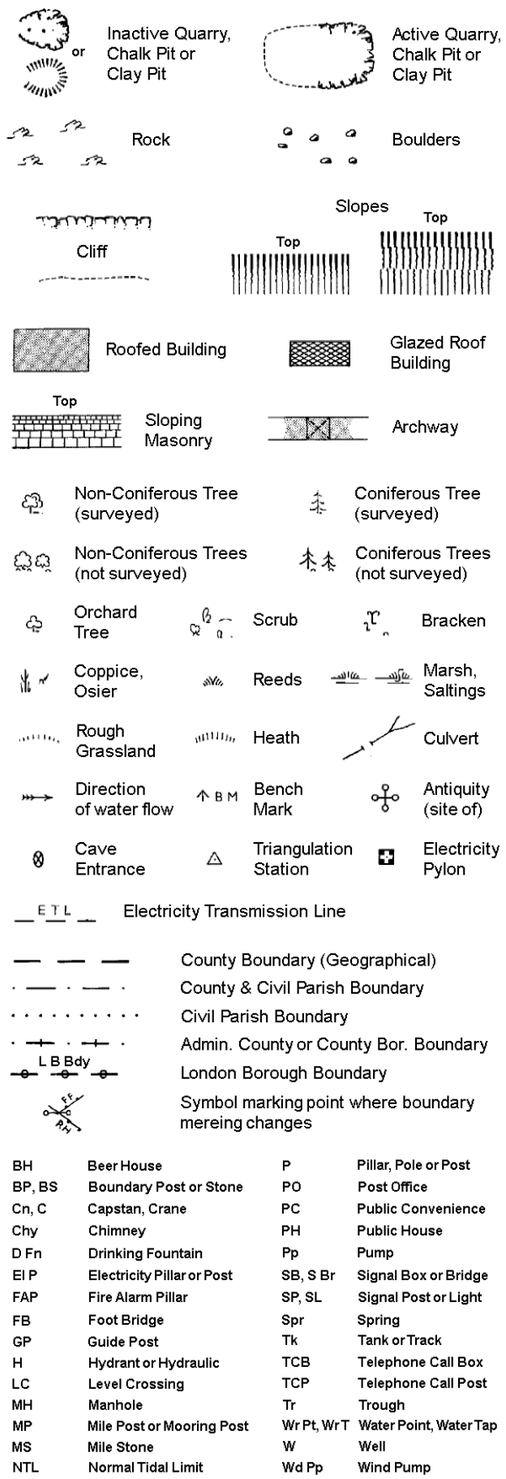
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

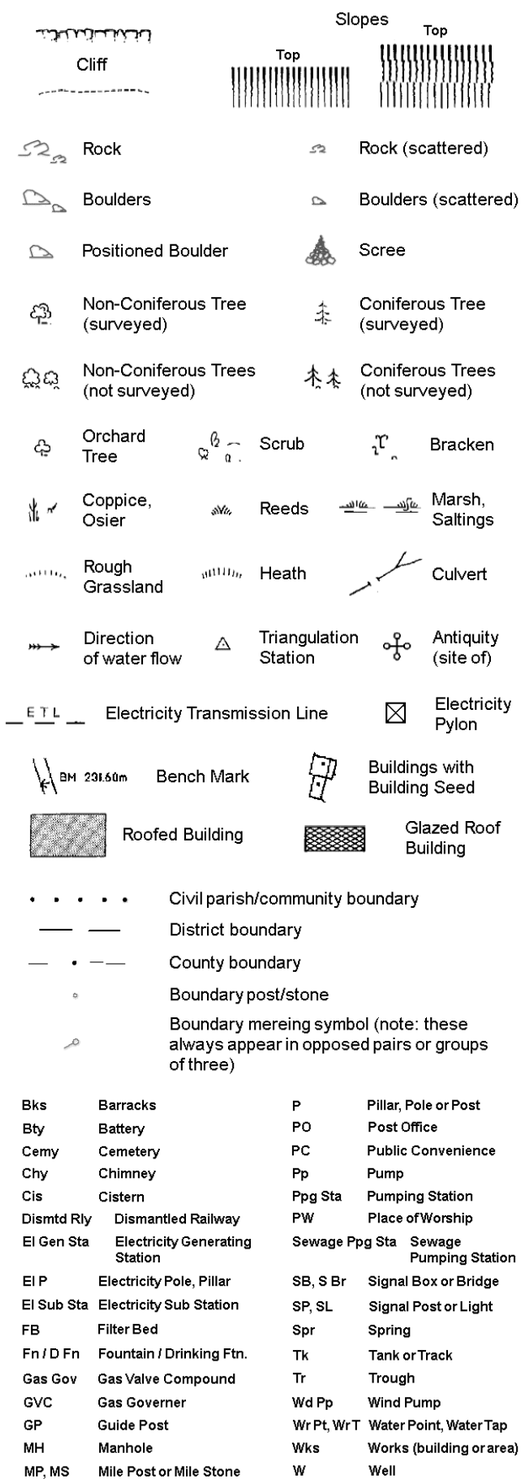
Admin. County or County Bor. Boundary

L B Bdy 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
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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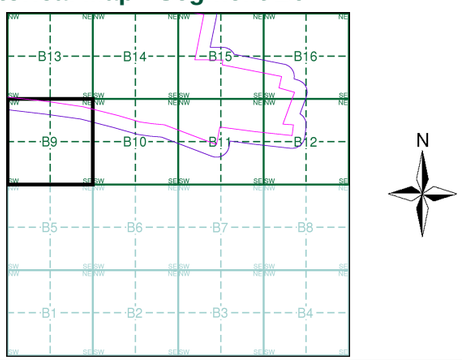
Historical Mapping & Photography included:

Historical Map - Segment B9



Order Details

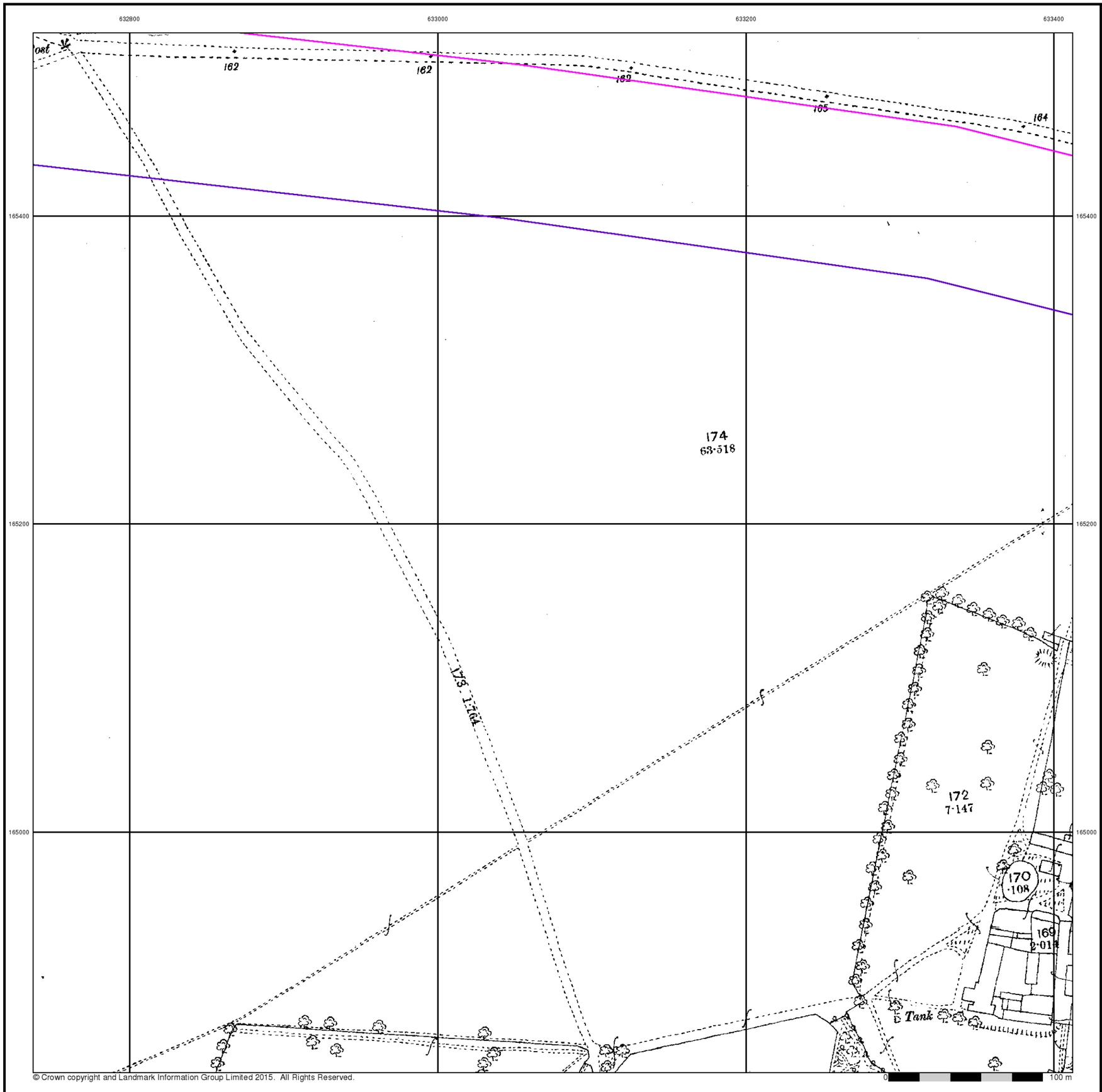
Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

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



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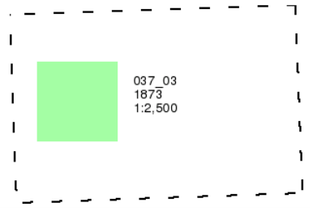
Kent

Published 1873

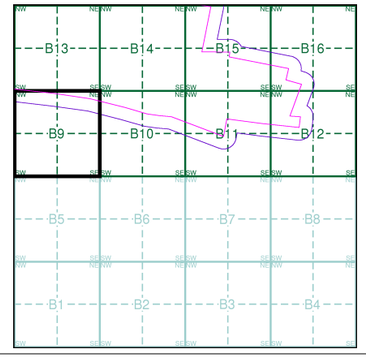
Source map scale - 1:2,500

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 B9



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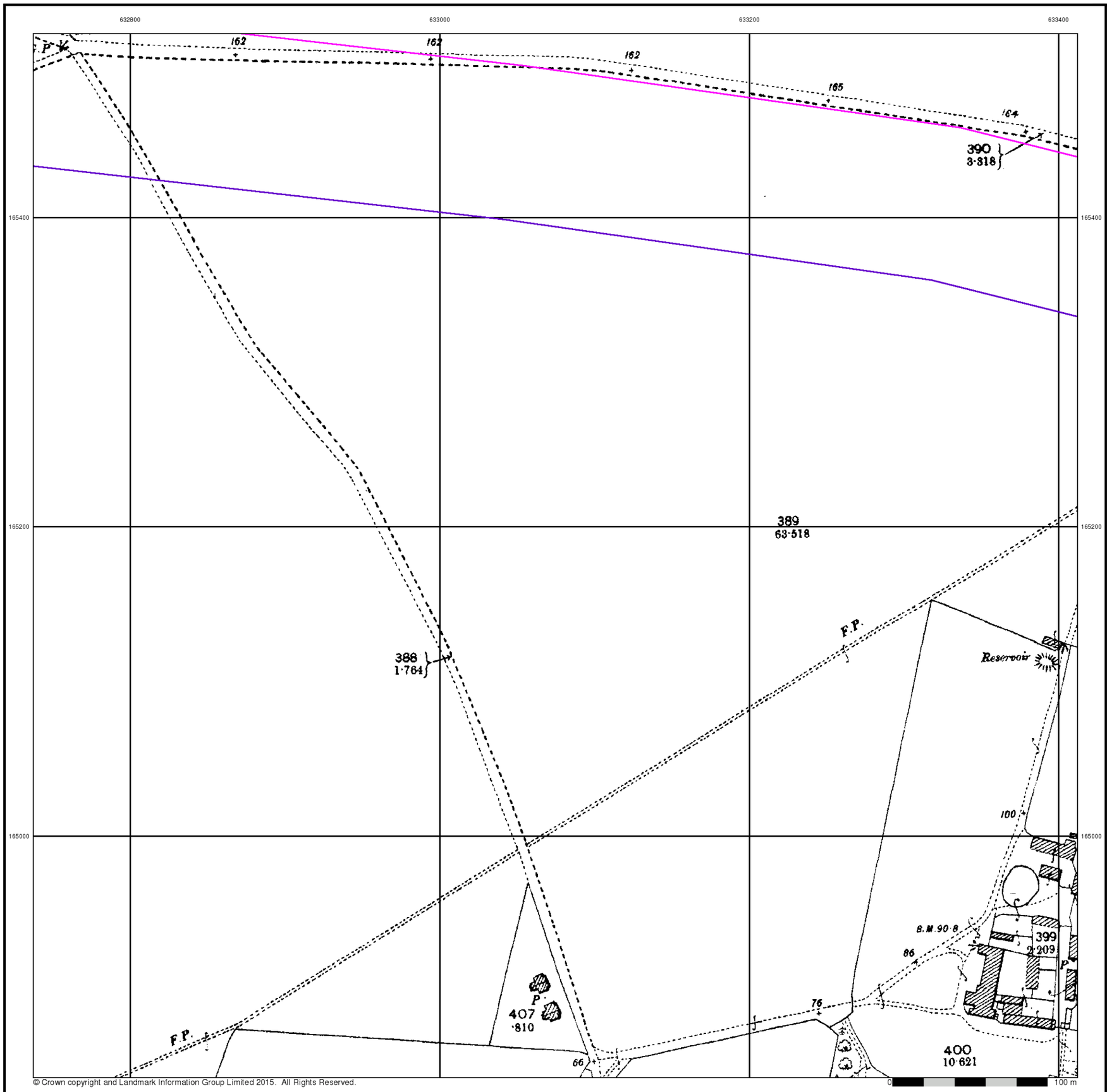

Envirocheck®

Kent

Published 1896

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.

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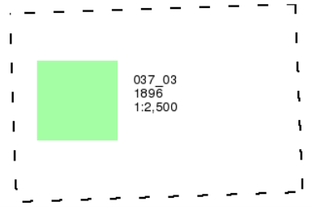
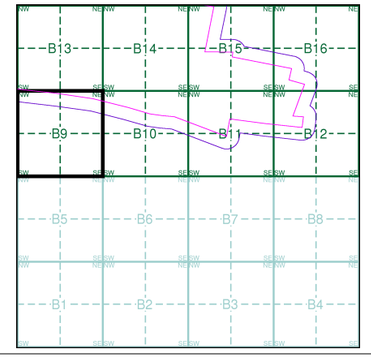


Historical Map - Segment B9



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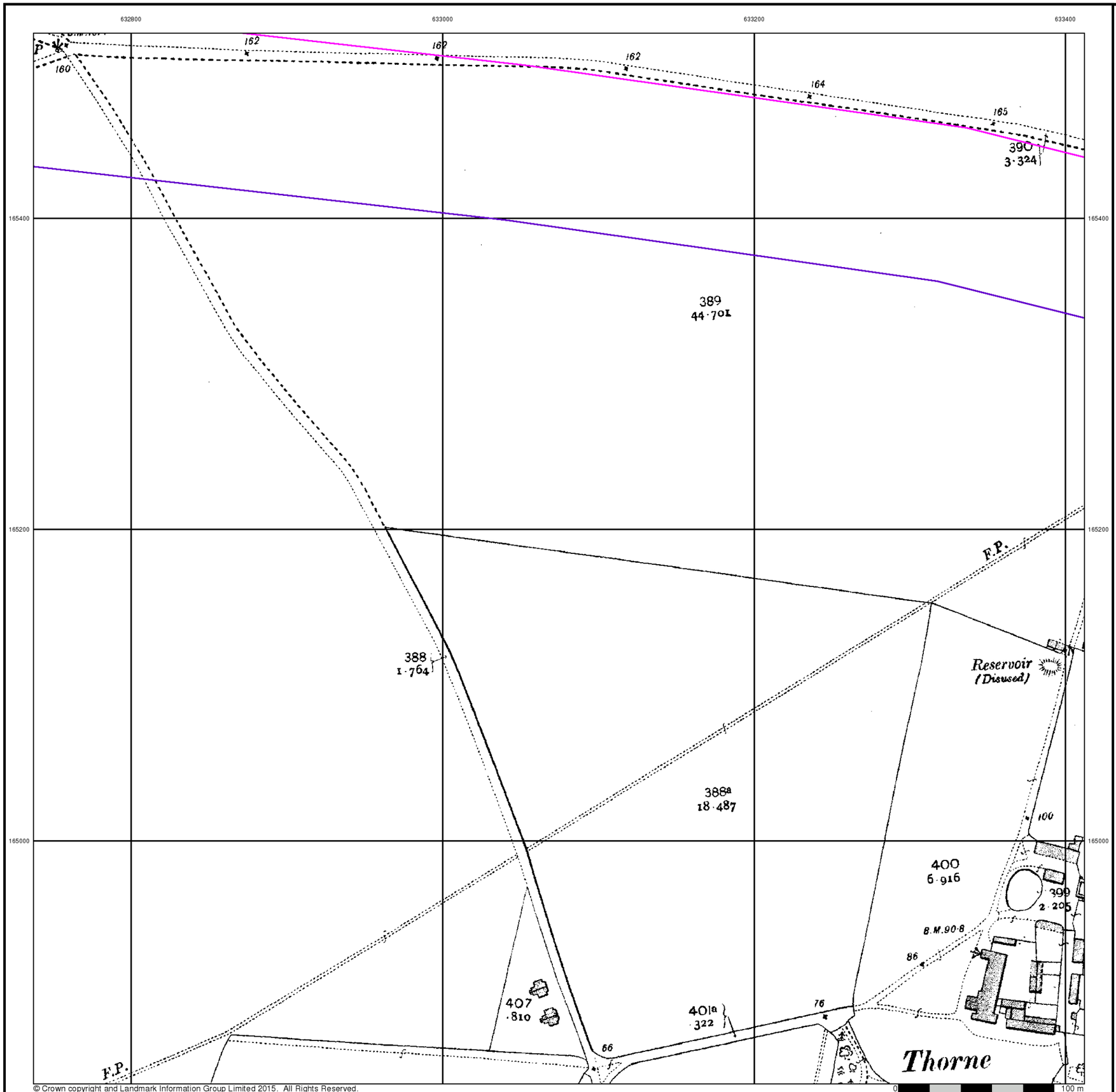


Envirocheck®

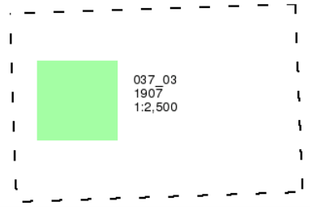
Kent

Published 1907

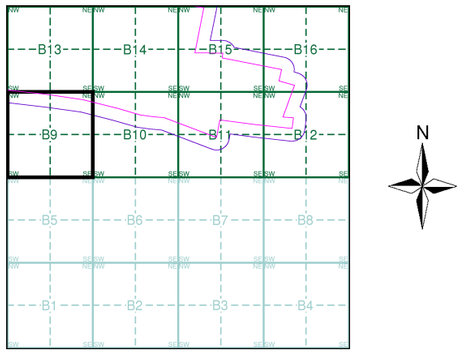
Source map scale - 1:2,500

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 B9



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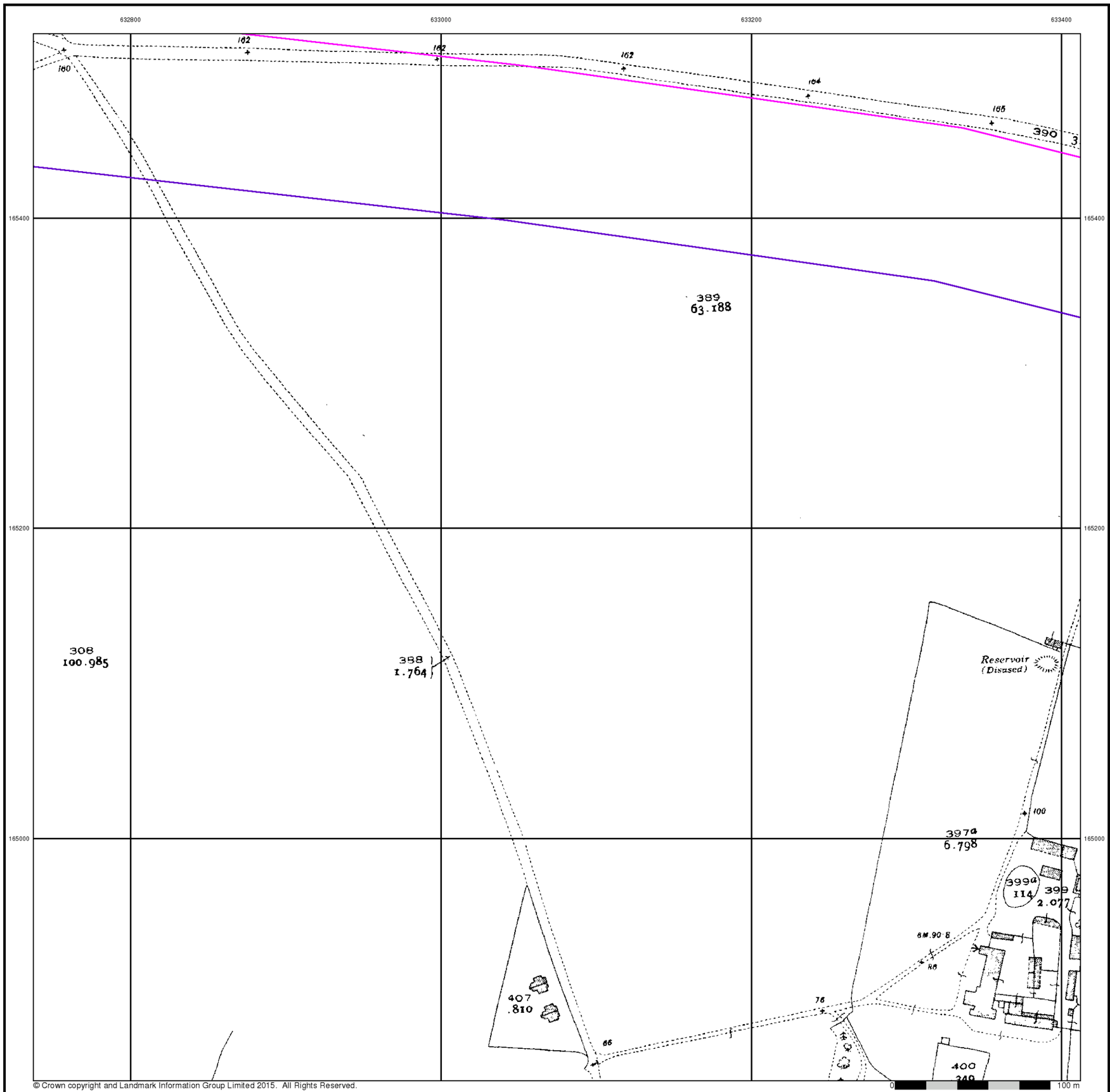

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Kent

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.

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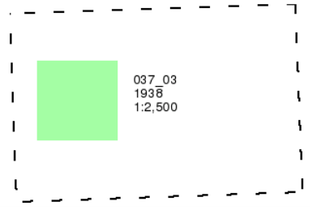
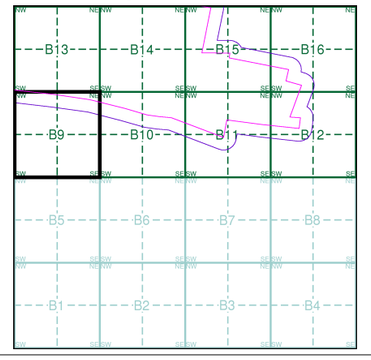


Historical Map - Segment B9



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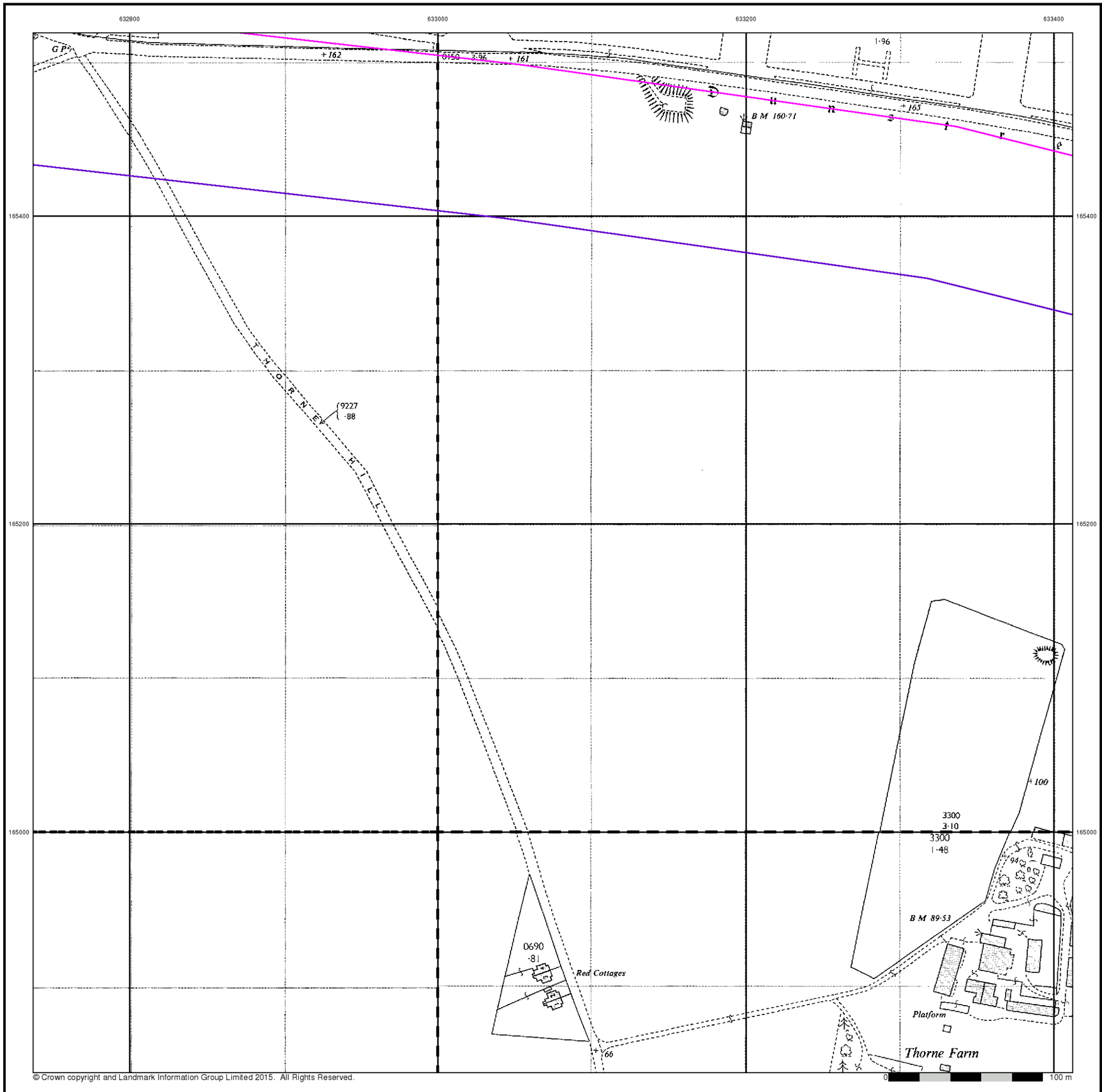

Envirocheck®

Ordnance Survey Plan

Published 1963 - 1964

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.

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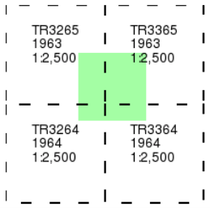
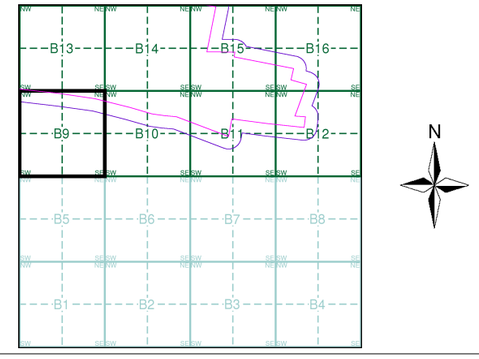


Historical Map - Segment B9



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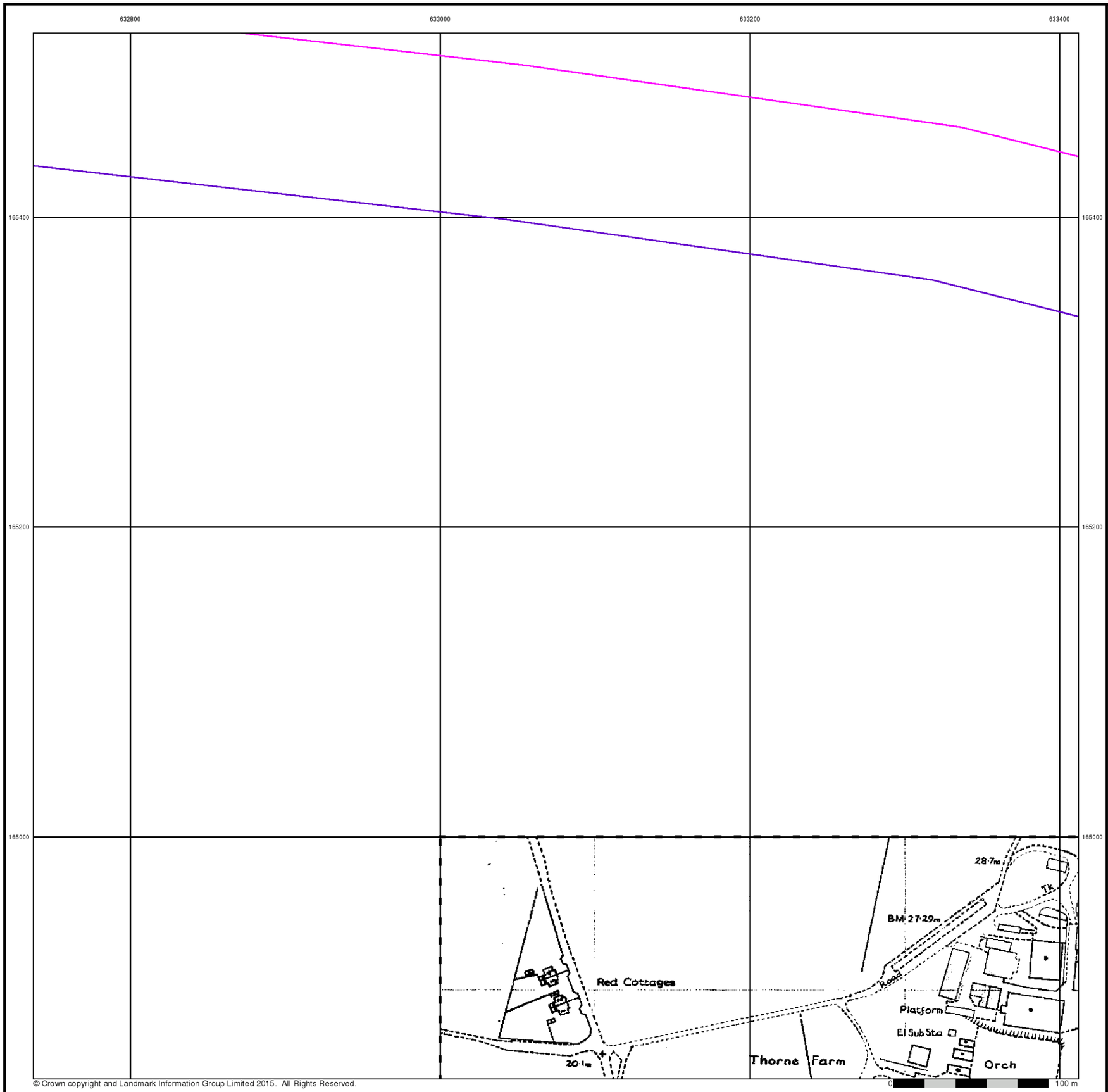


Envirocheck®

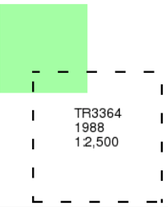
Additional SIMs

Published 1988

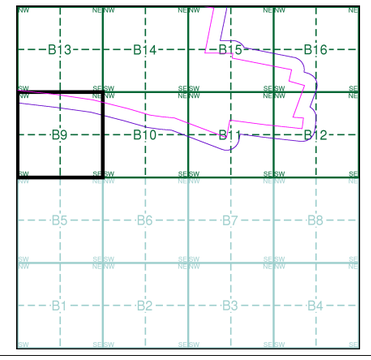
Source map scale - 1:2,500

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 B9



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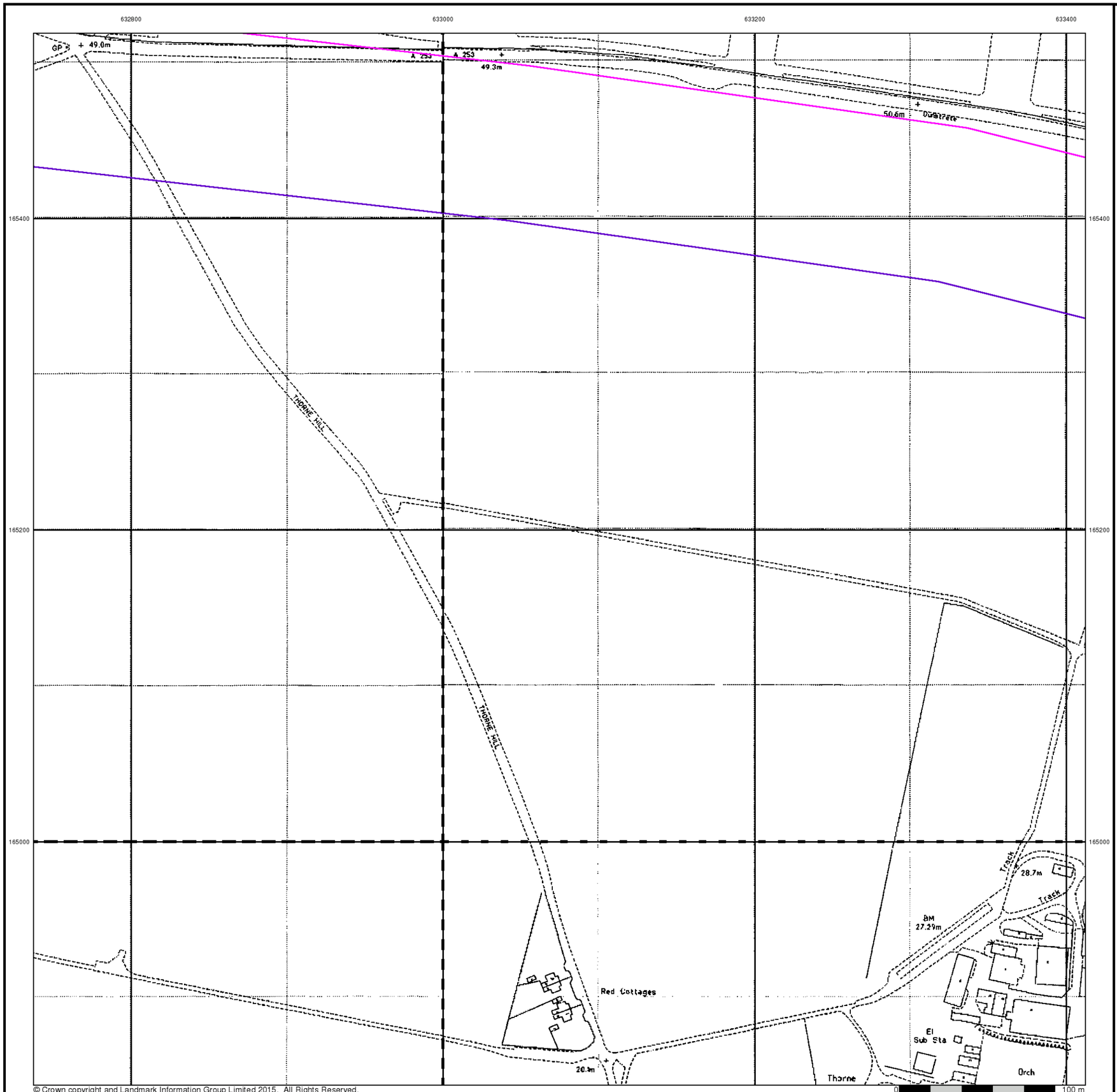


Envirocheck®

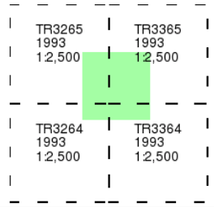
Large-Scale National Grid Data

Published 1993

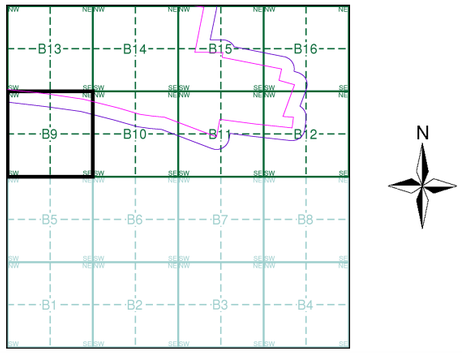
Source map scale - 1:2,500

'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)



Historical Map - Segment B9



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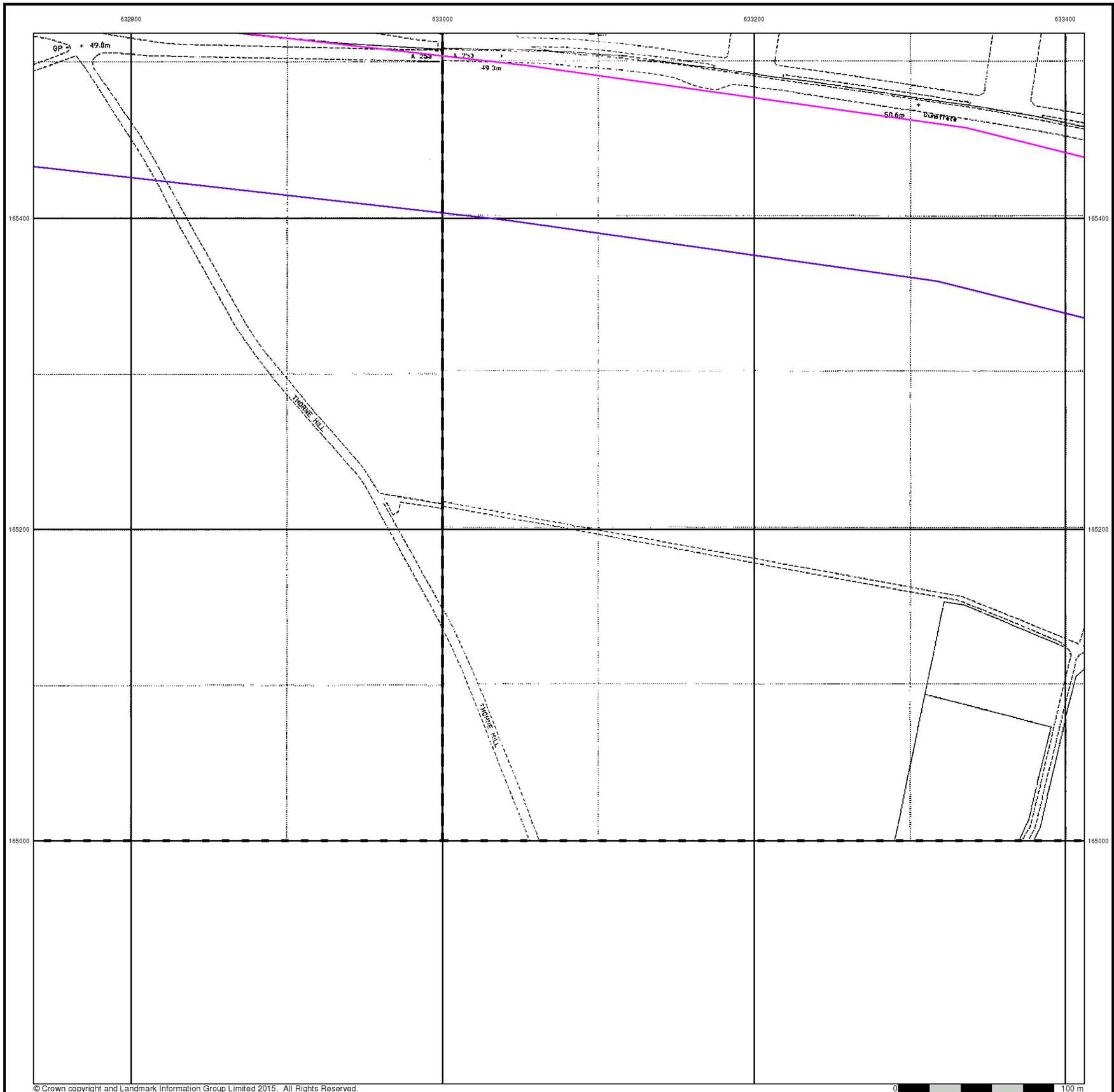


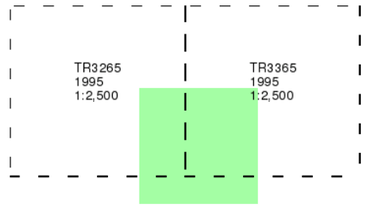
Large-Scale National Grid Data

Published 1995

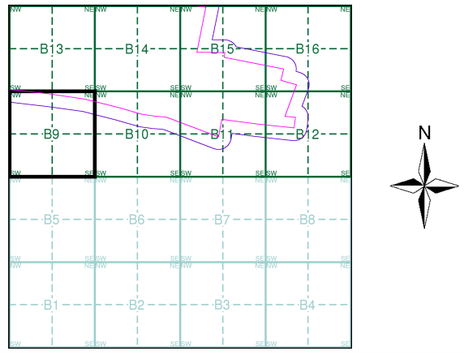
Source map scale - 1:2,500

'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 B9



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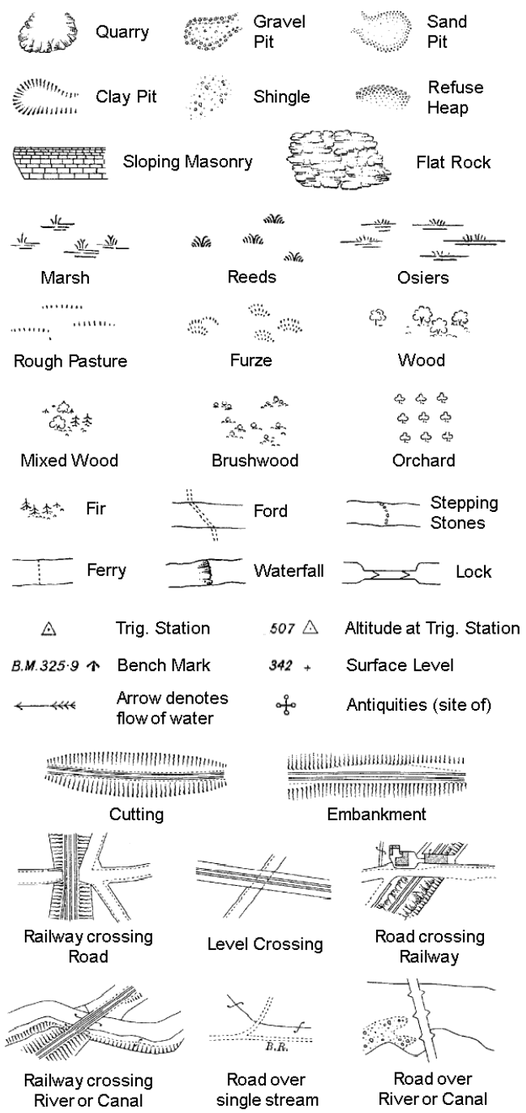
Historical Mapping Legends

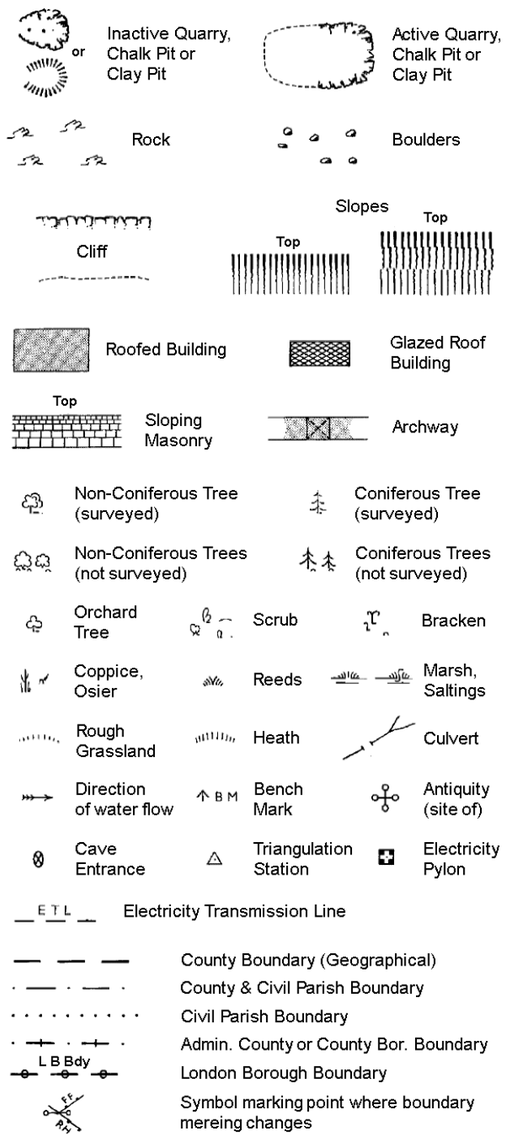
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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)

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

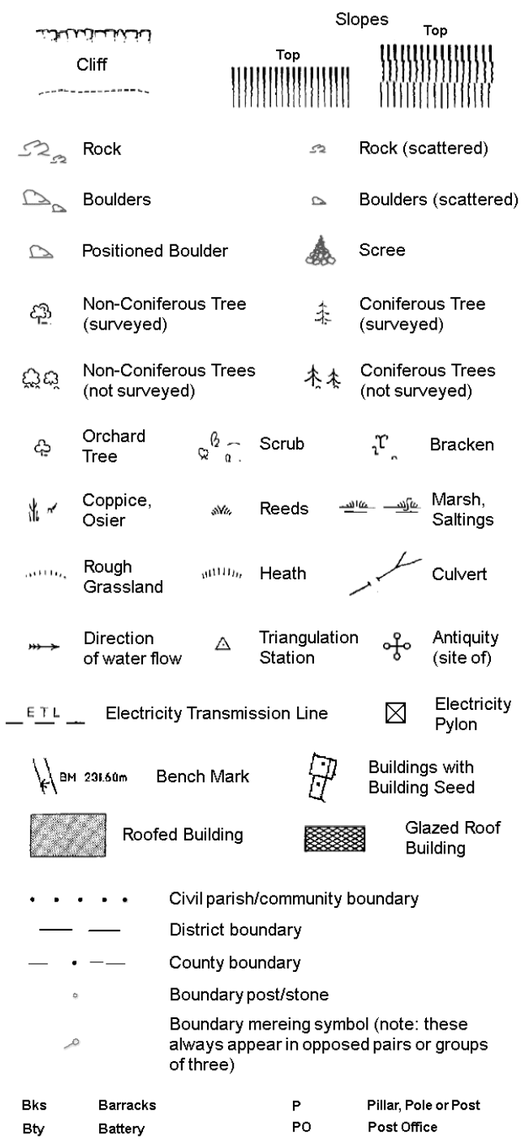
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy 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
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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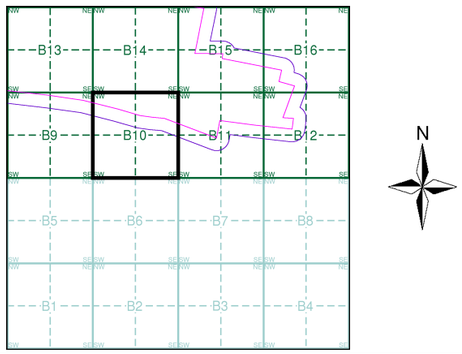
Historical Mapping & Photography included:

Historical Map - Segment B10



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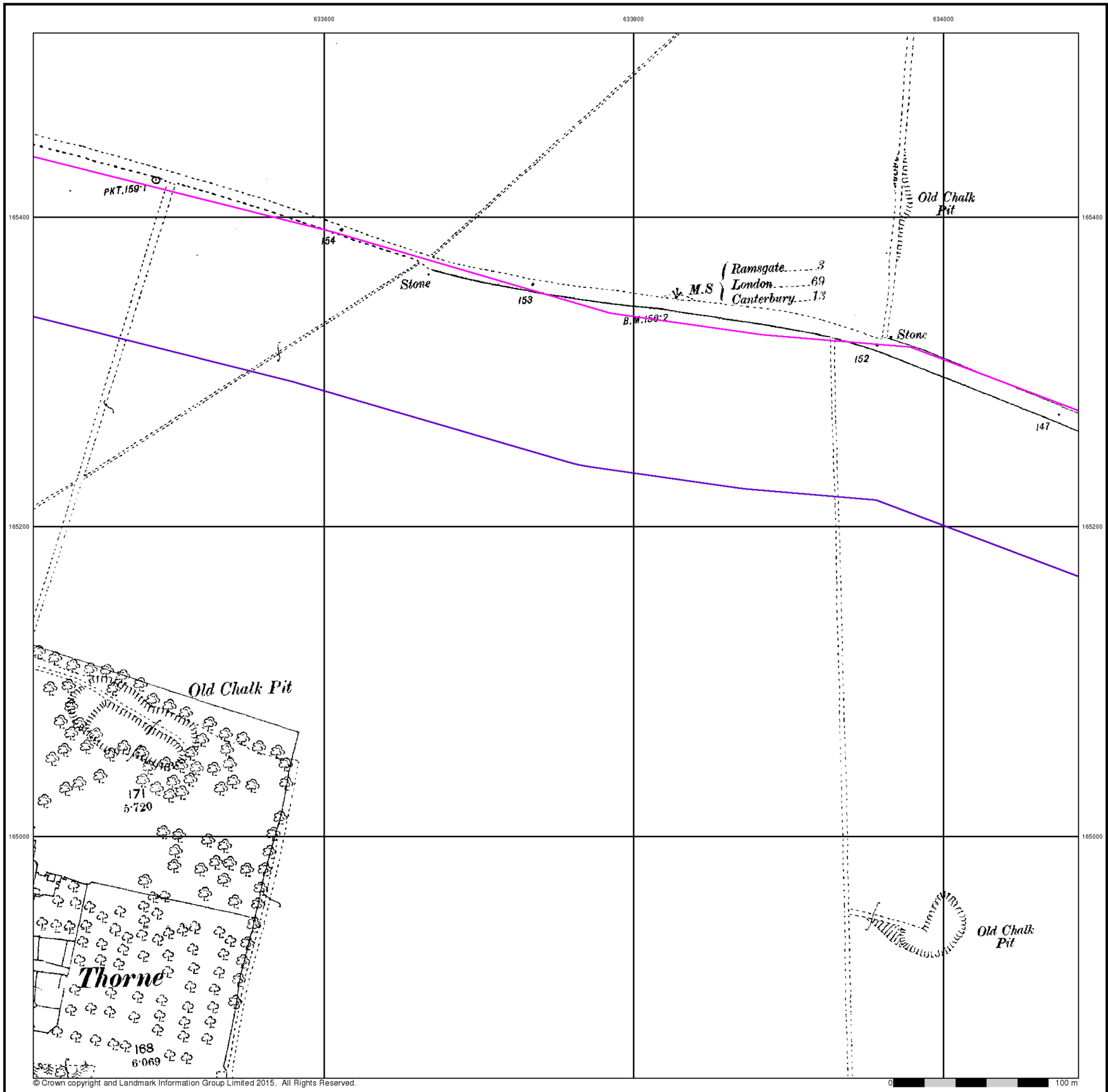

Envirocheck®

Kent

Published 1873

Source map scale - 1:2,500

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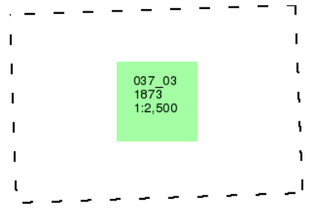
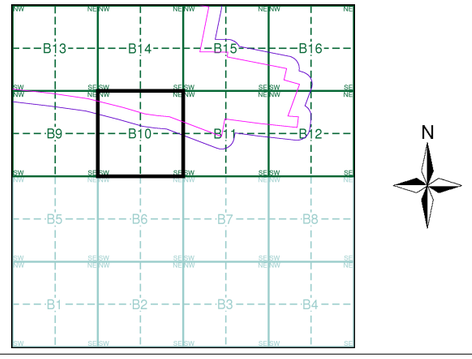
Map Name(s) and Date(s)



Historical Map - Segment B10



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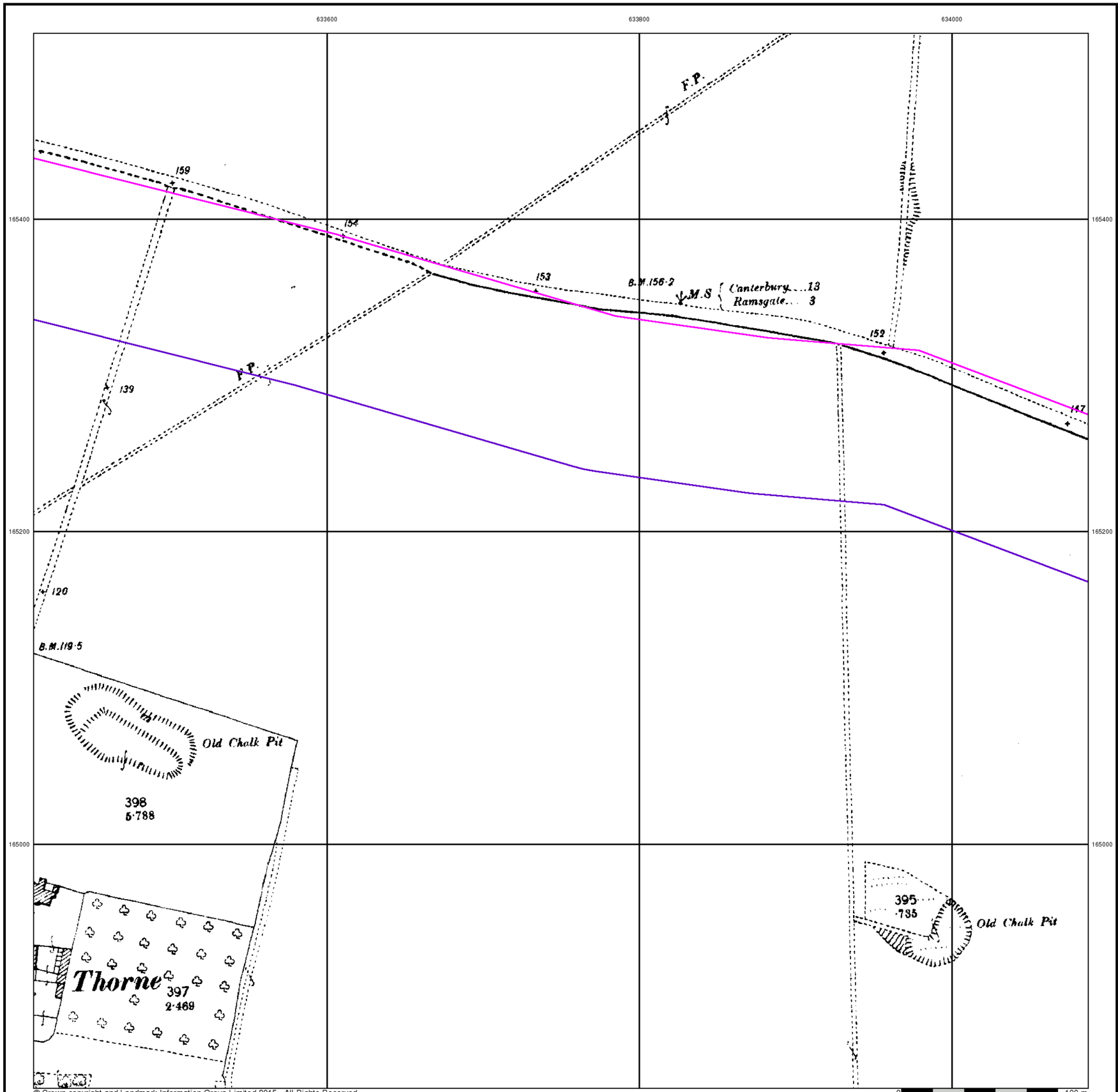
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

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



Envirocheck®

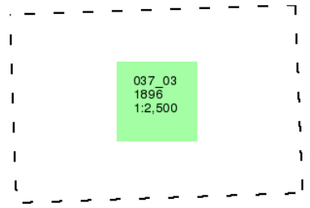
Kent

Published 1896

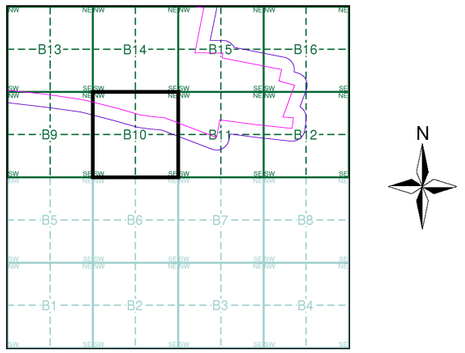
Source map scale - 1:2,500

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 B10



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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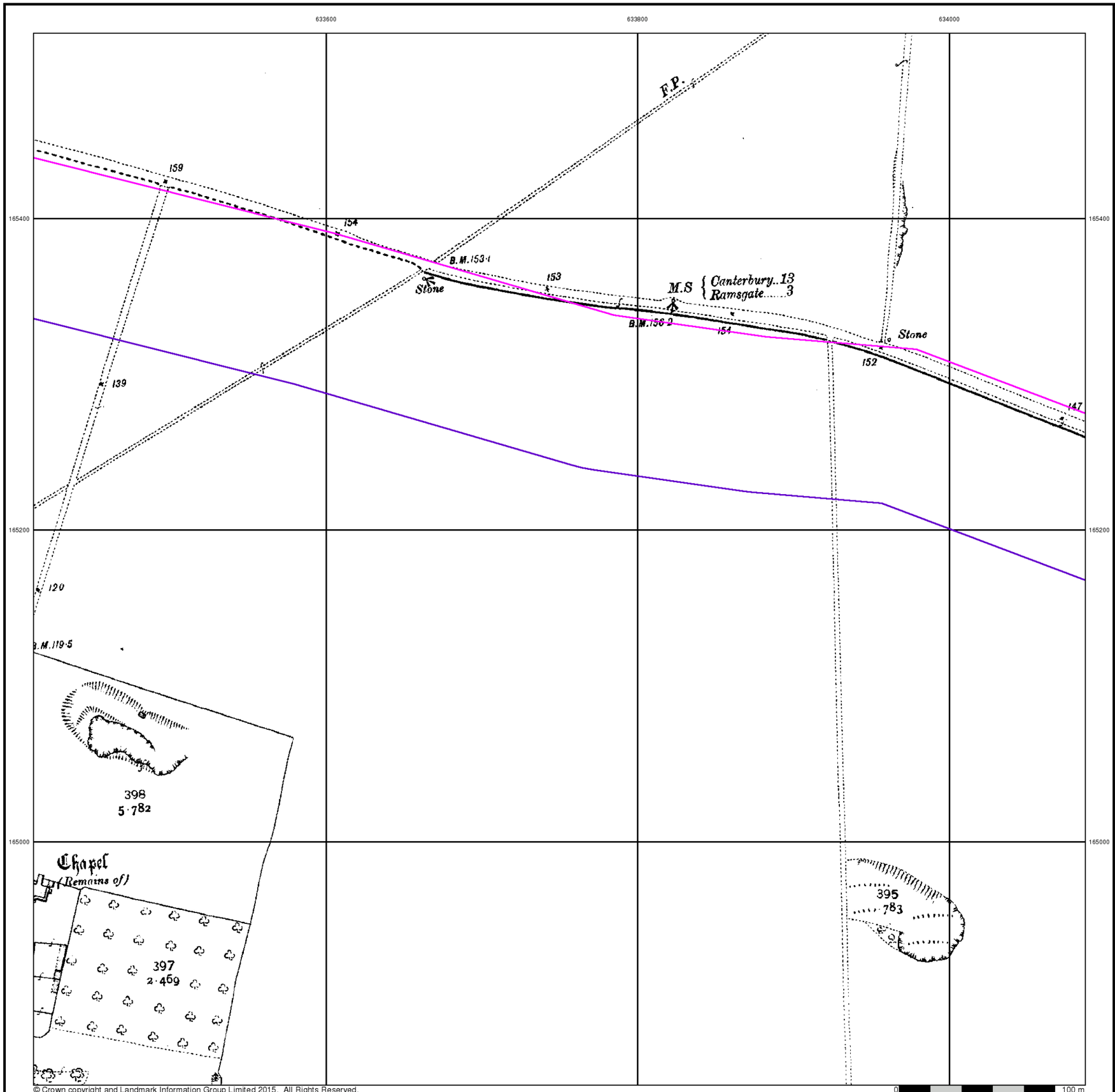


Envirocheck®

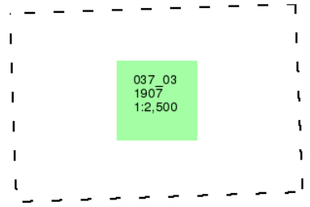
Kent

Published 1907

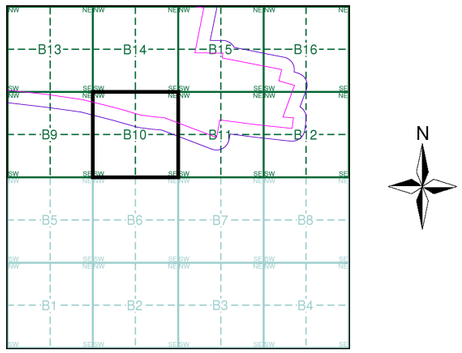
Source map scale - 1:2,500

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 B10



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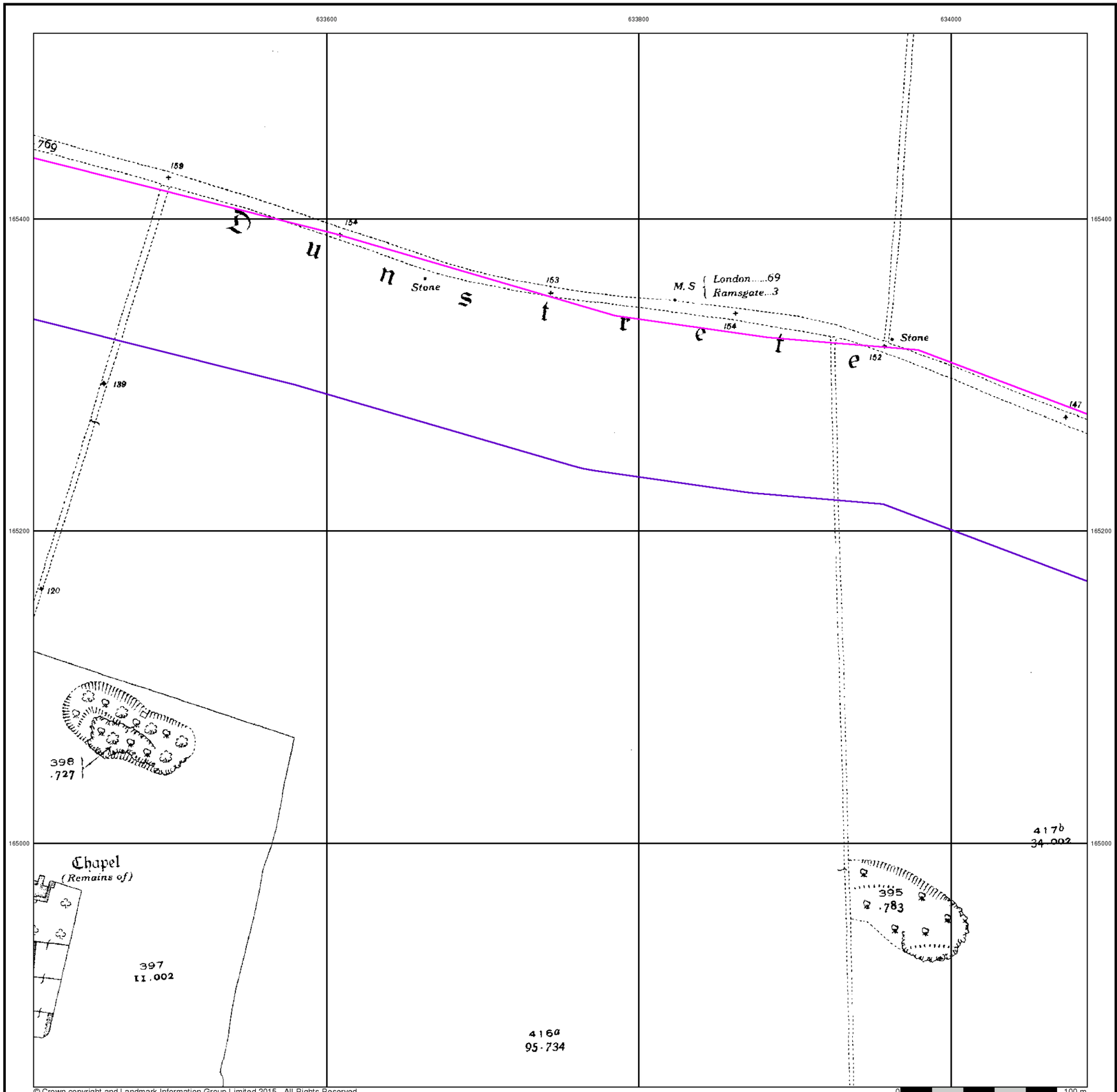


Envirocheck®

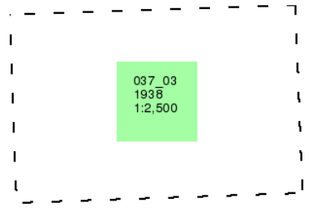
Kent

Published 1938

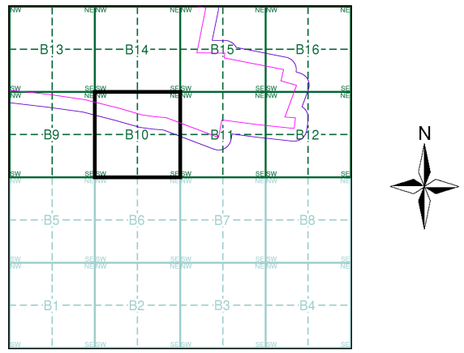
Source map scale - 1:2,500

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 B10



Order Details

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Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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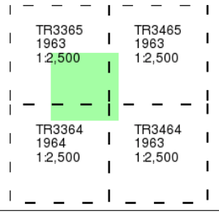
Ordnance Survey Plan

Published 1963 - 1964

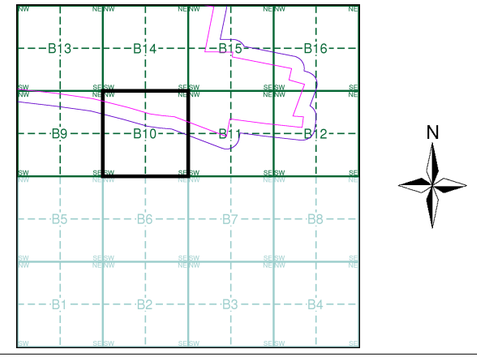
Source map scale - 1:2,500

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 B10



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
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Site Details

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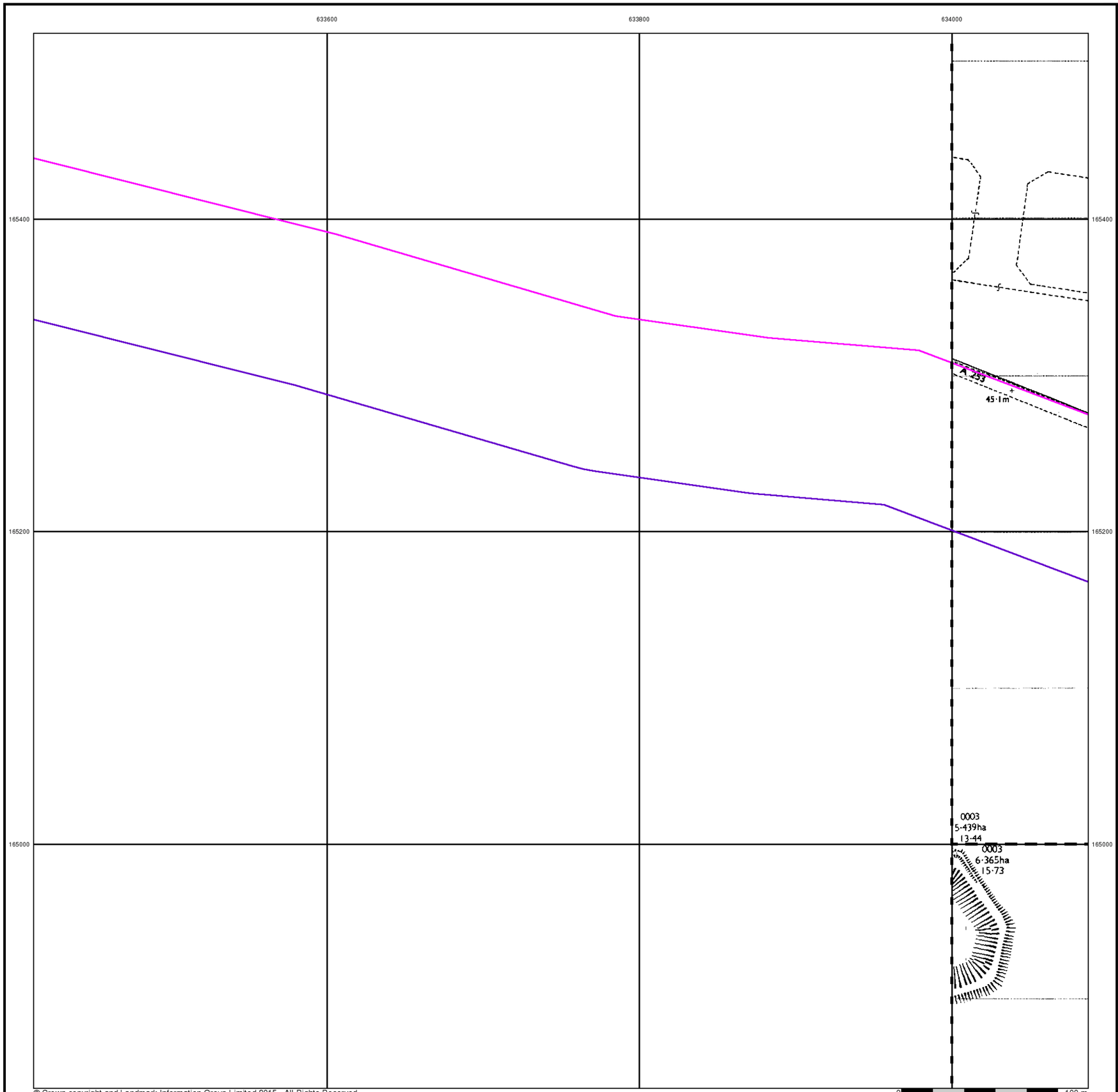


Envirocheck®

Ordnance Survey Plan

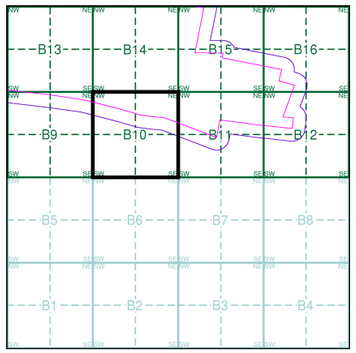
Published 1973 - 1977

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 B10



Order Details

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National Grid Reference:	634120, 165250
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Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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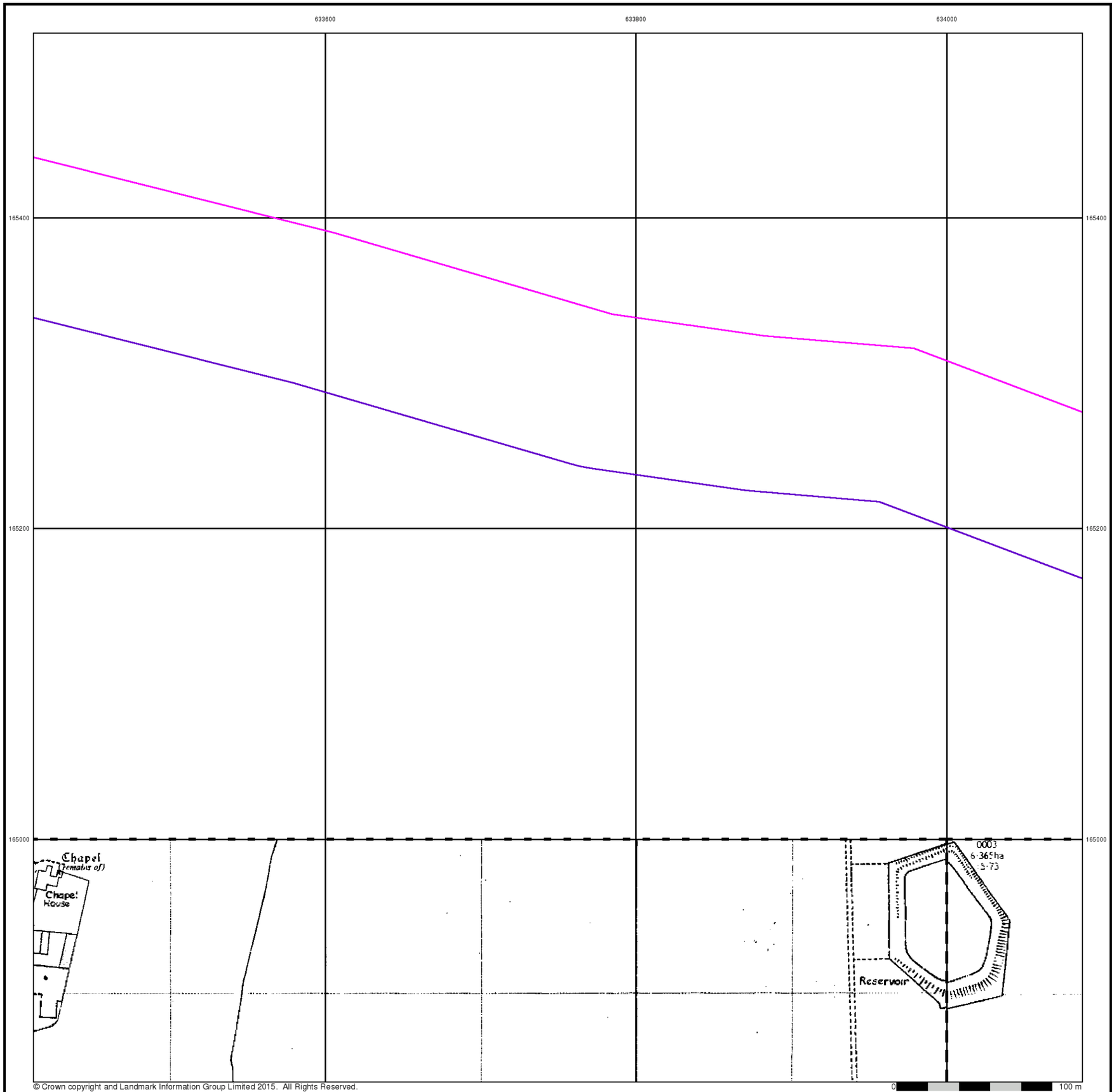


Envirocheck®

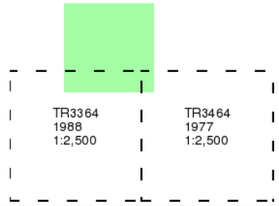
Additional SIMs

Published 1977 - 1988

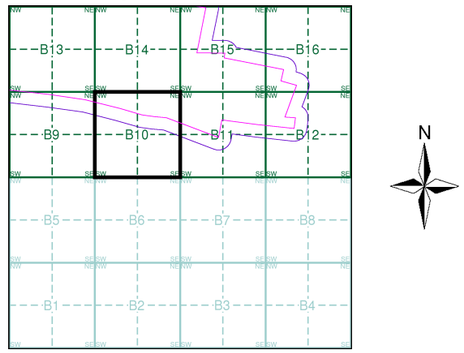
Source map scale - 1:2,500

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 B10



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Site Details

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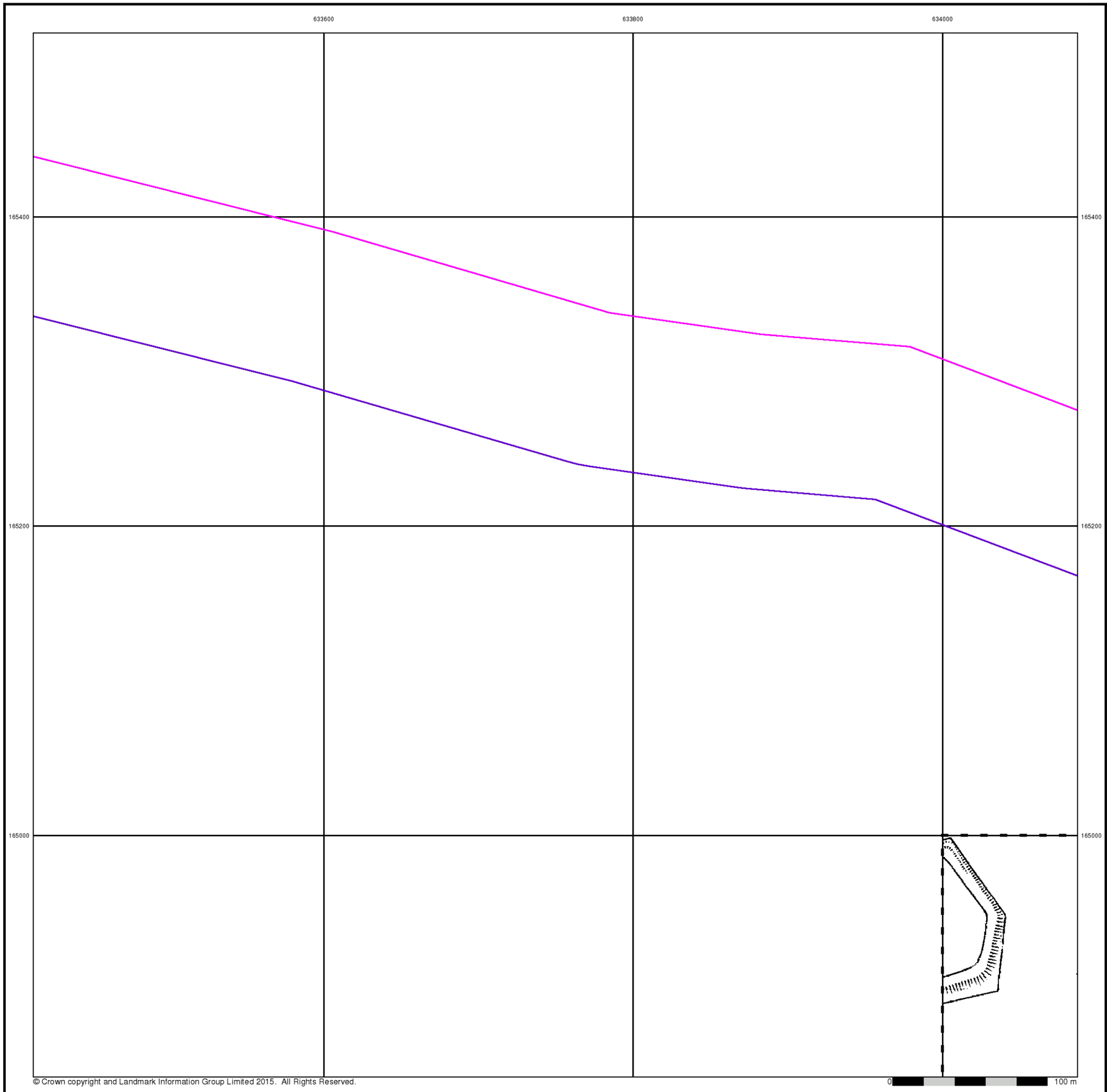


Envirocheck®

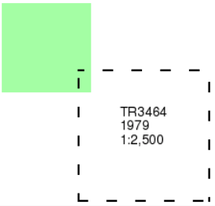
Additional SIMs

Published 1979

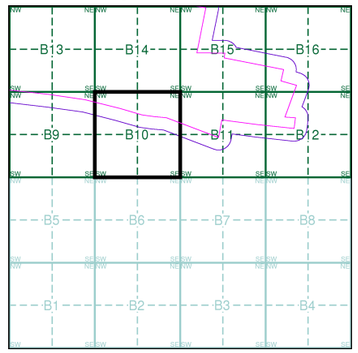
Source map scale - 1:2,500

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 B10



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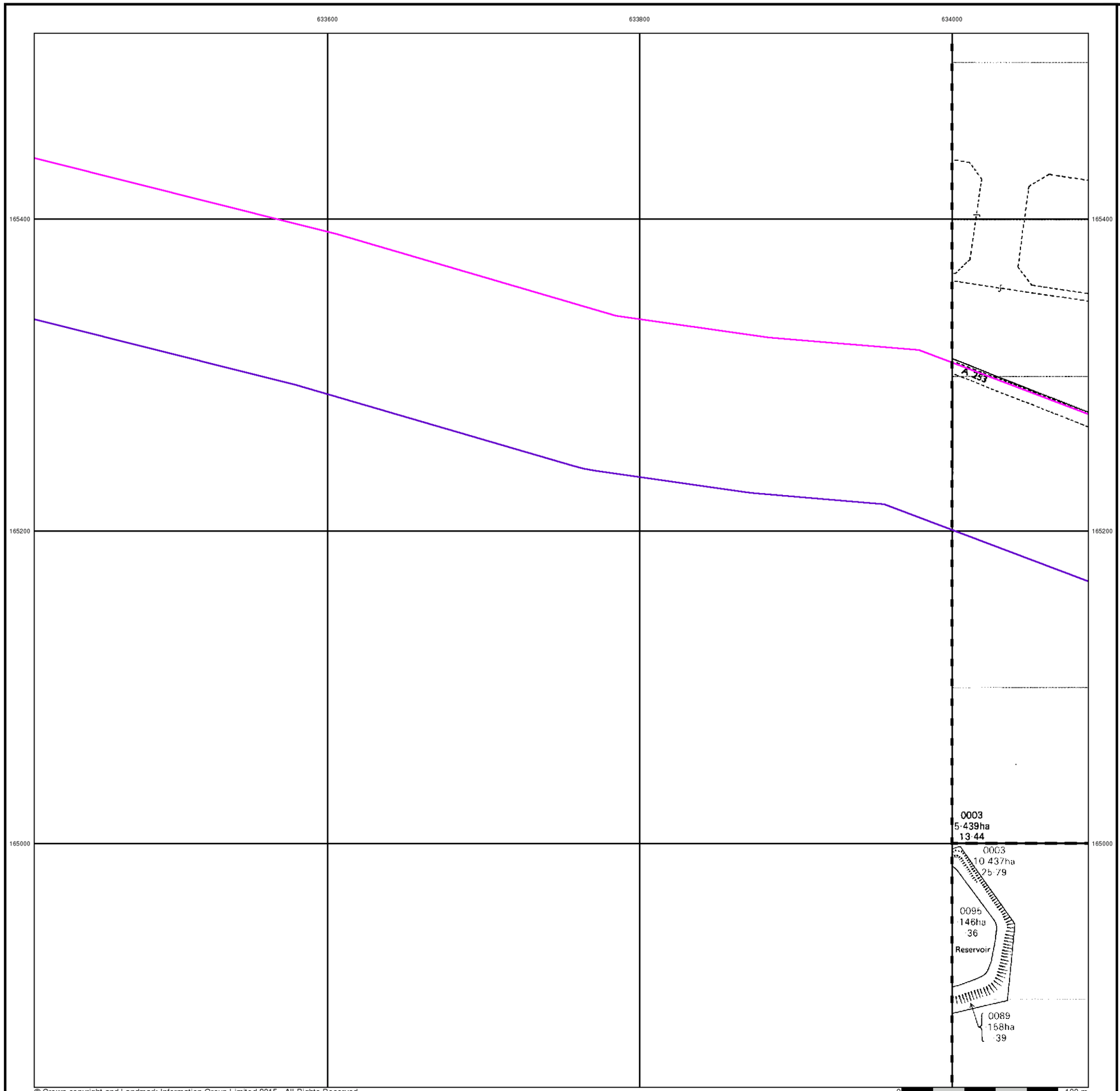


Envirocheck®

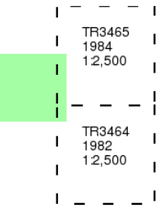
Ordnance Survey Plan

Published 1982 - 1984

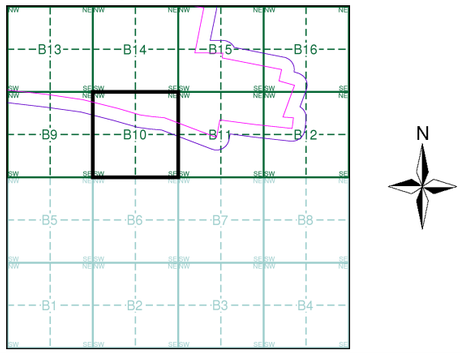
Source map scale - 1:2,500

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 B10



Order Details

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Site Details

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Envirocheck®

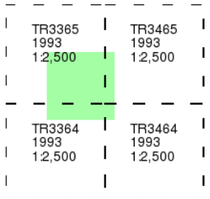
Large-Scale National Grid Data

Published 1993

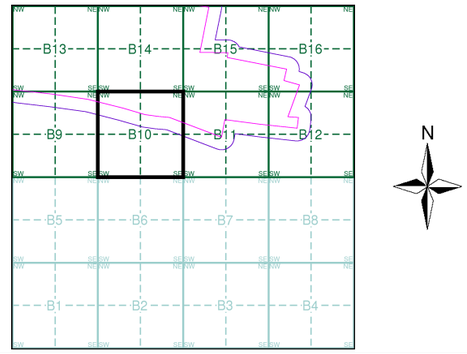
Source map scale - 1:2,500

'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)



Historical Map - Segment B10



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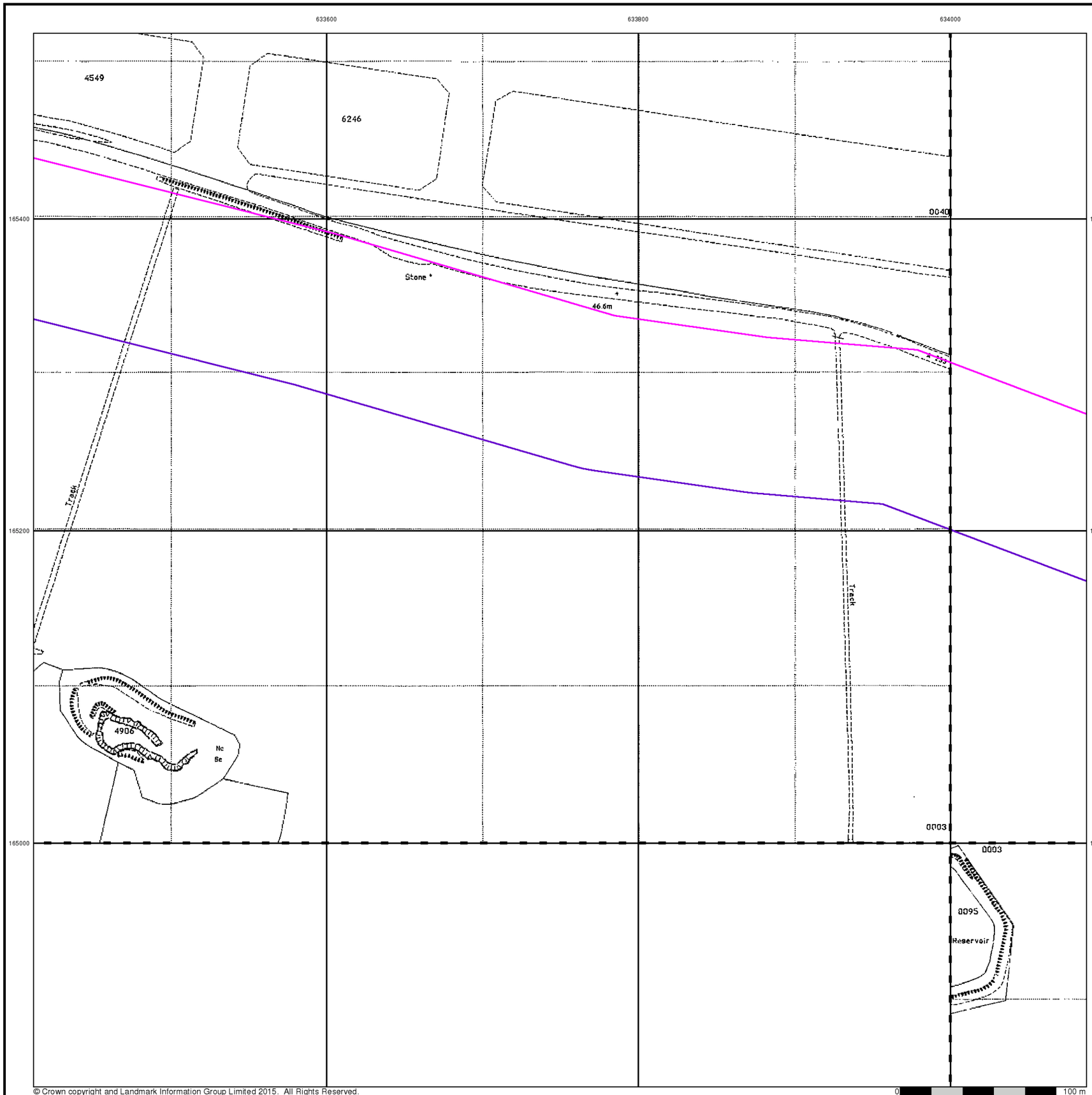


Envirocheck®

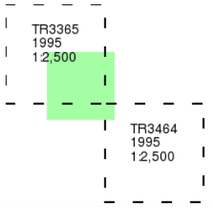
Large-Scale National Grid Data

Published 1995

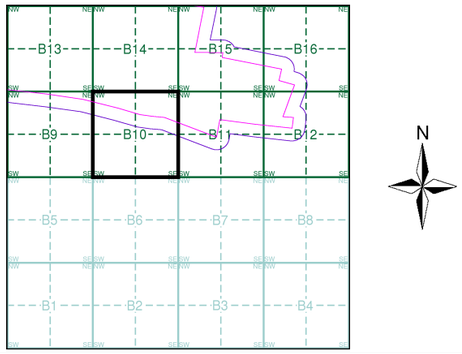
Source map scale - 1:2,500

'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 B10



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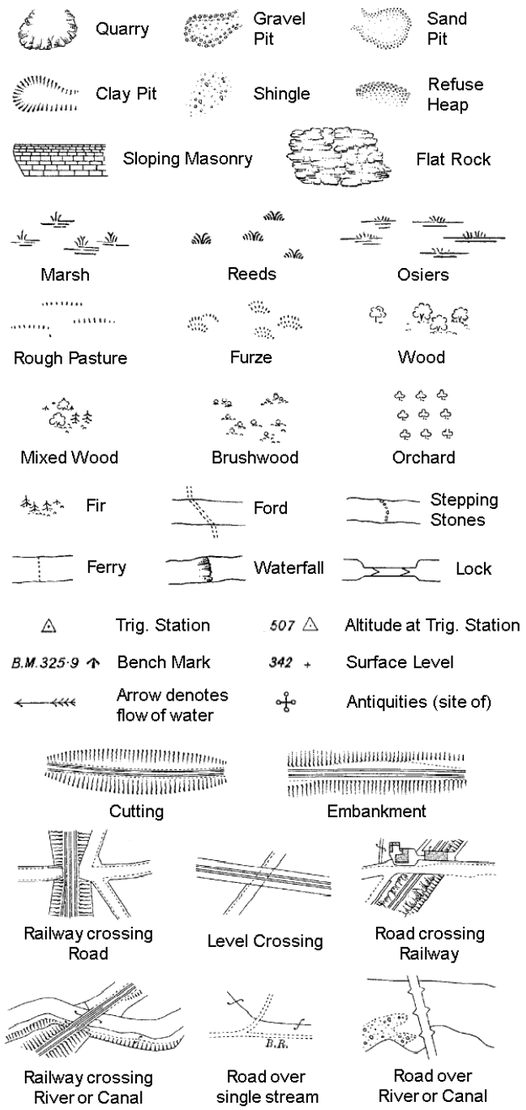
Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

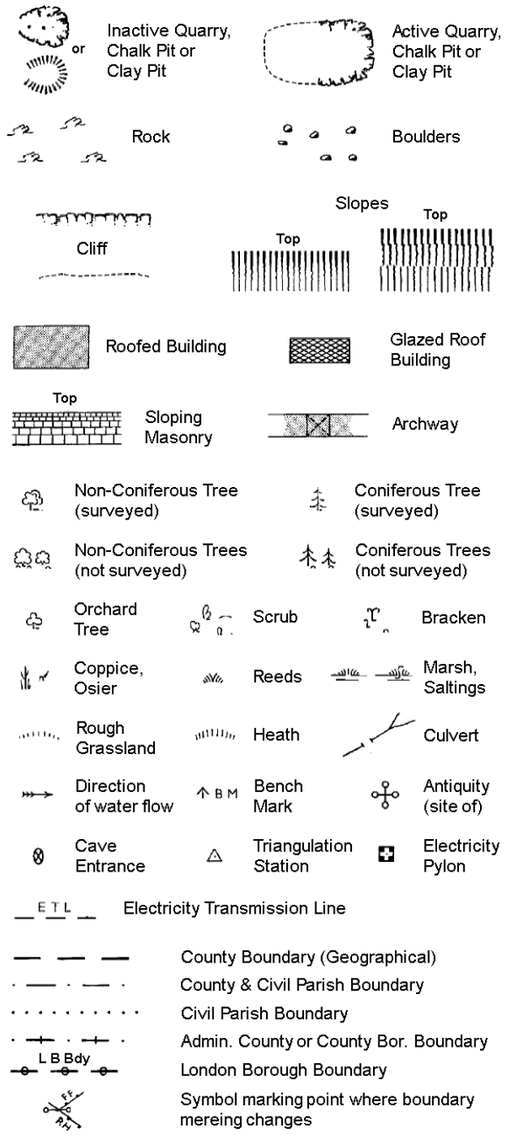
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

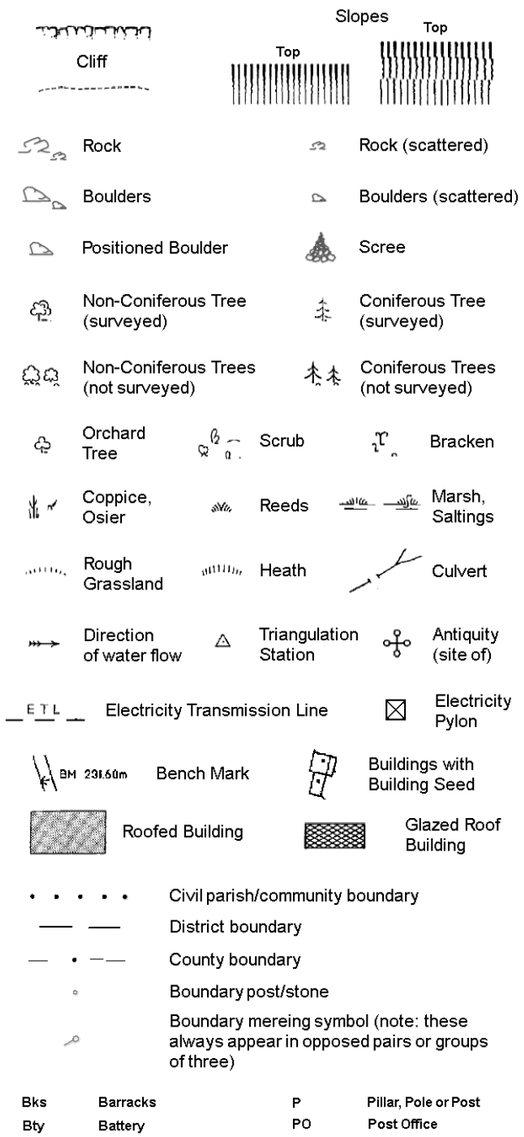
Admin. County or County Bor. Boundary

L B Bdy 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
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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)

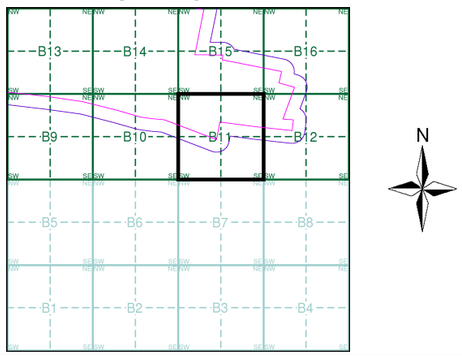
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	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

Envirocheck®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1963	6
Ordnance Survey Plan	1:2,500	1973 - 1977	7
Additional SIMs	1:2,500	1977	8
Additional SIMs	1:2,500	1979	9
Ordnance Survey Plan	1:2,500	1982 - 1984	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1995	12

Historical Map - Segment B11



Order Details

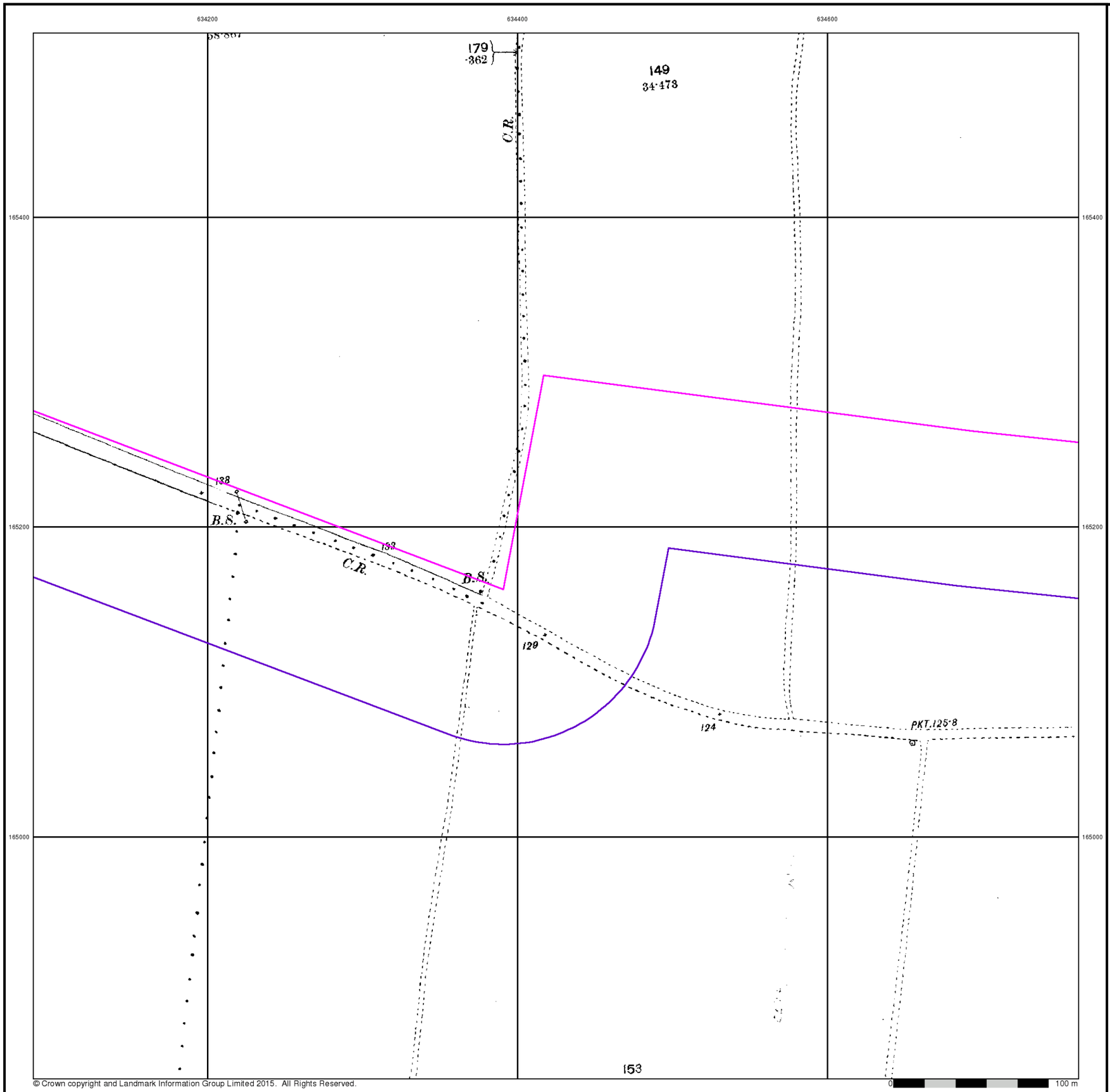
Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

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



Envirocheck®

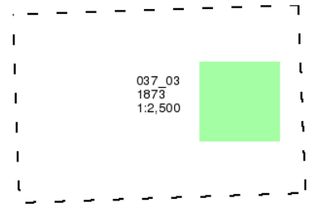
Kent

Published 1873

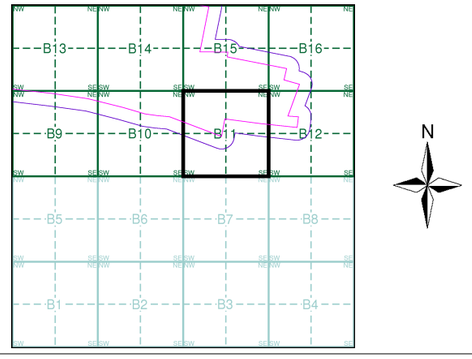
Source map scale - 1:2,500

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 B11



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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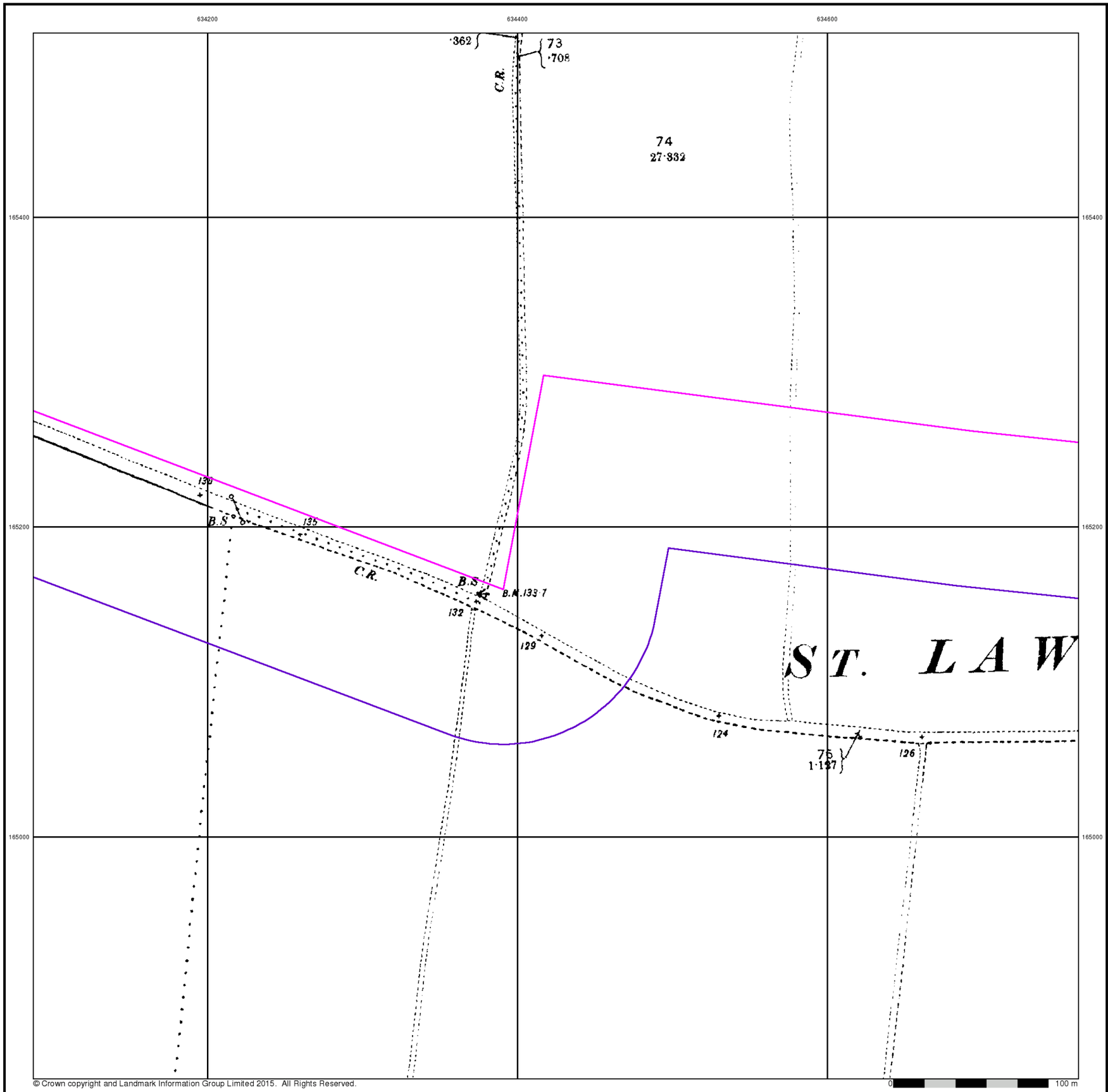


0 100 m

Envirocheck®

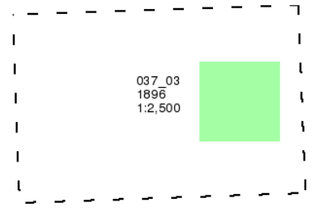
Kent

Published 1896

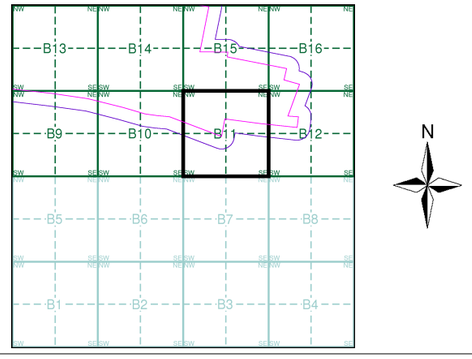
Source map scale - 1:2,500

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 B11



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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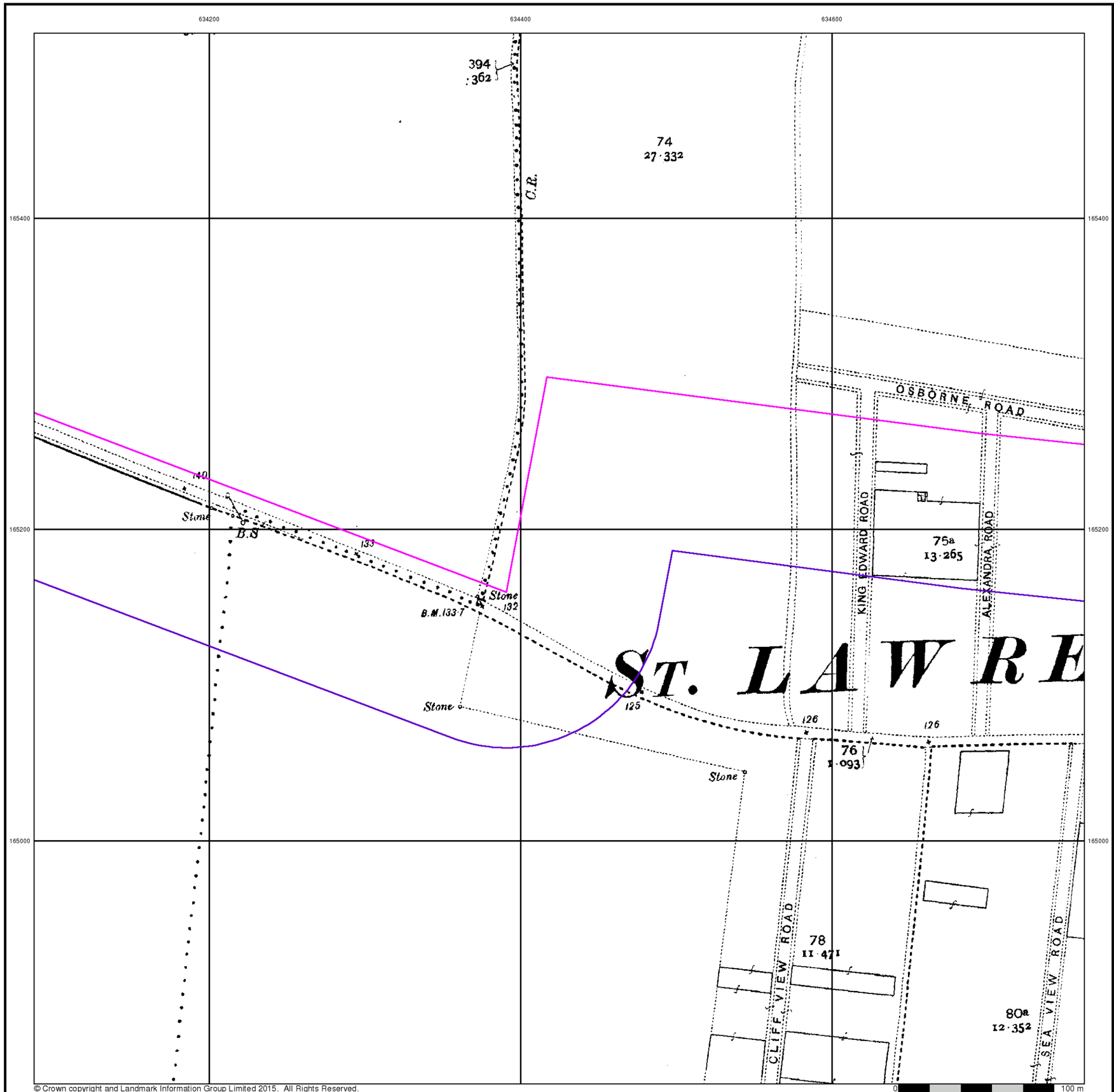


Envirocheck®

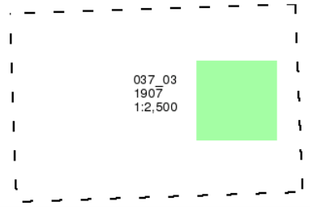
Kent

Published 1907

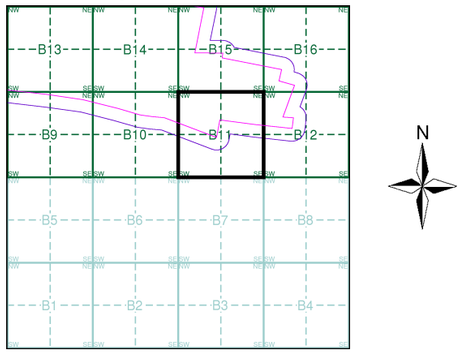
Source map scale - 1:2,500

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 B11



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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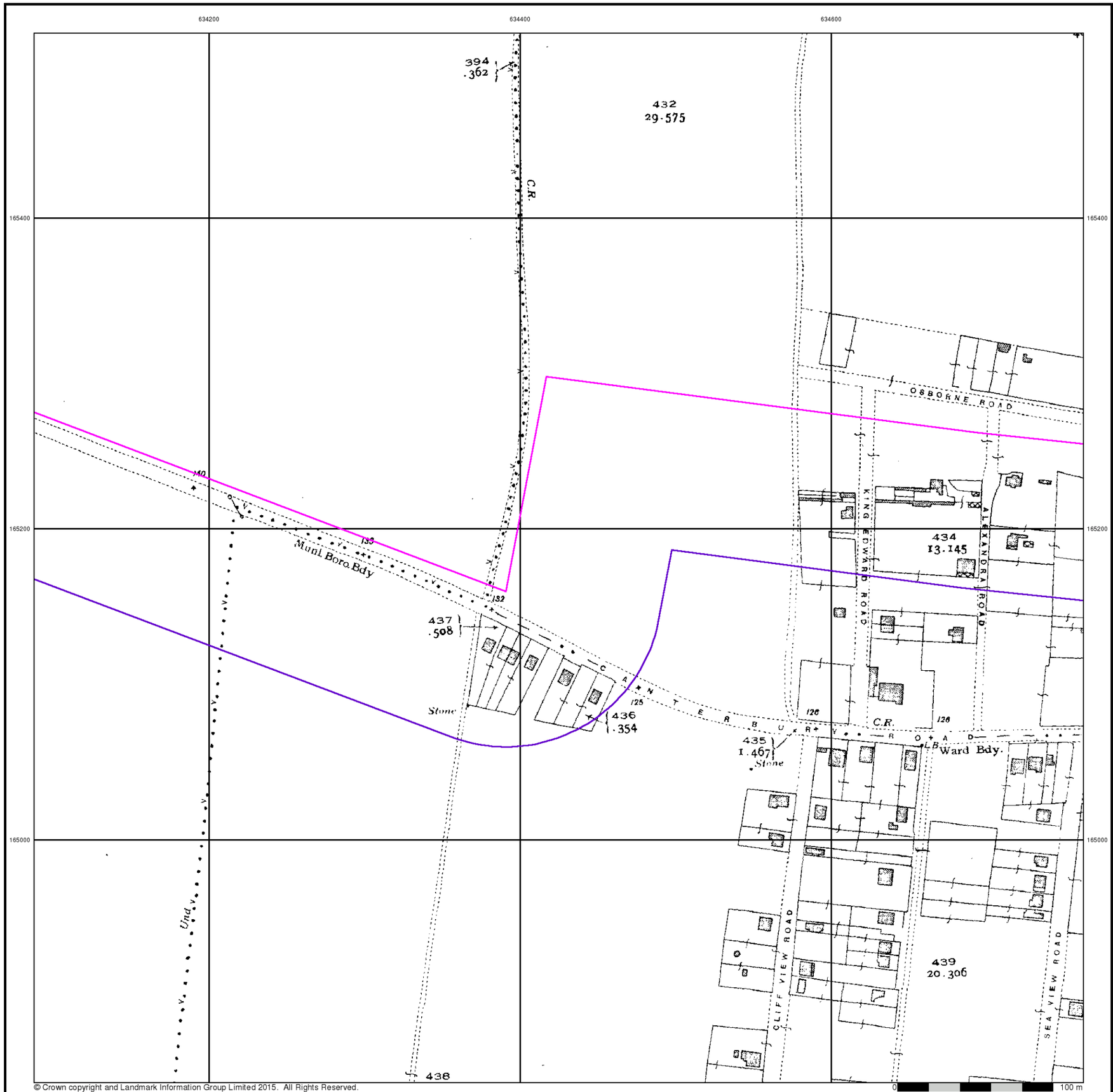


Envirocheck®

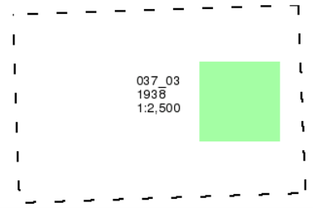
Kent

Published 1938

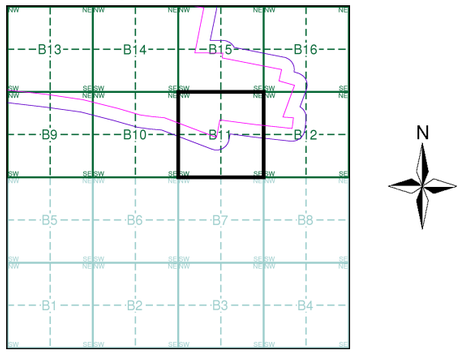
Source map scale - 1:2,500

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 B11



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
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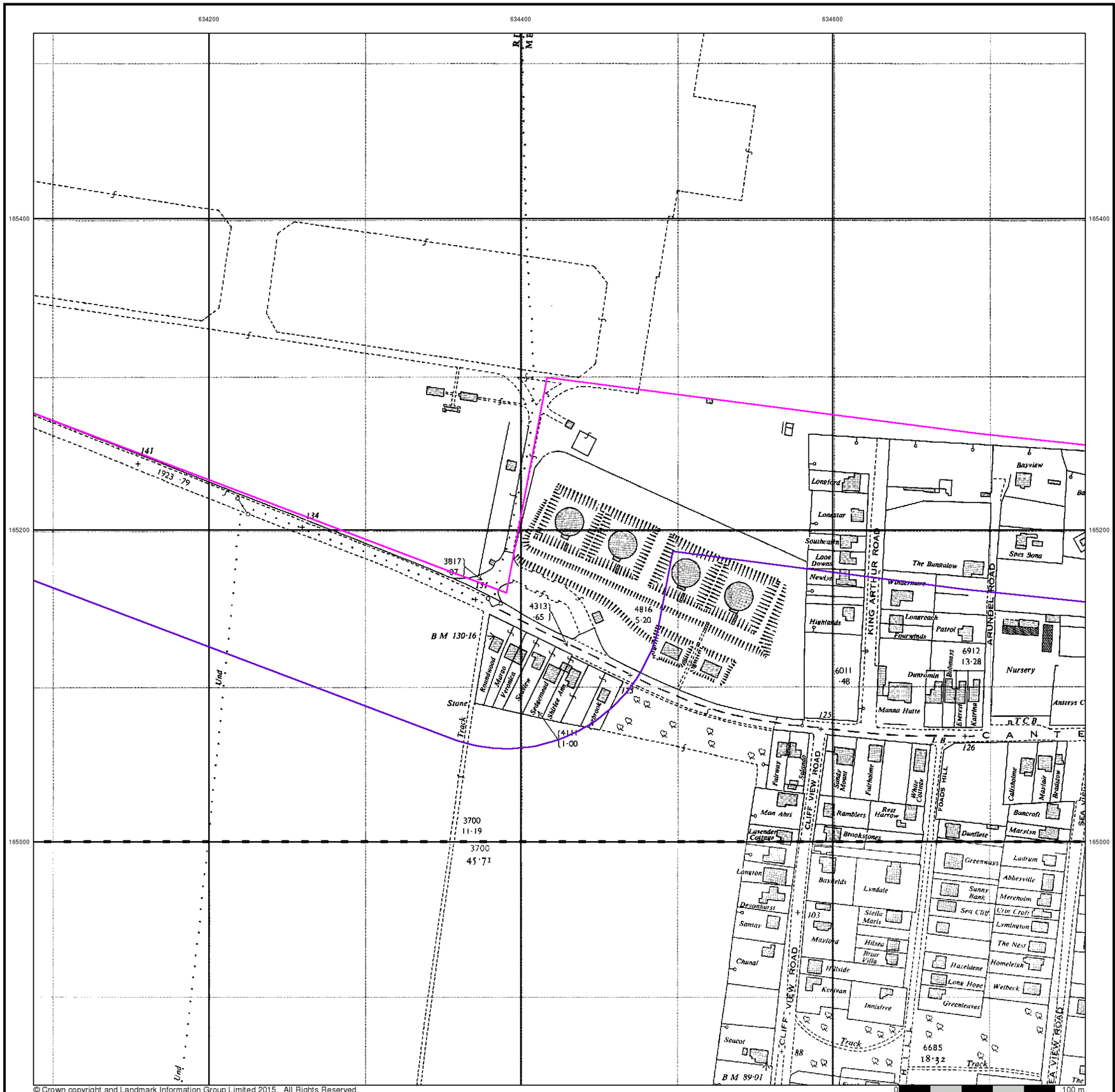


Envirocheck®

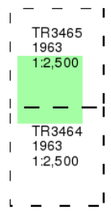
Ordnance Survey Plan

Published 1963

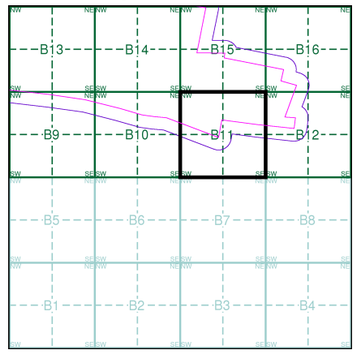
Source map scale - 1:2,500

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 B11



Order Details

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Site Details

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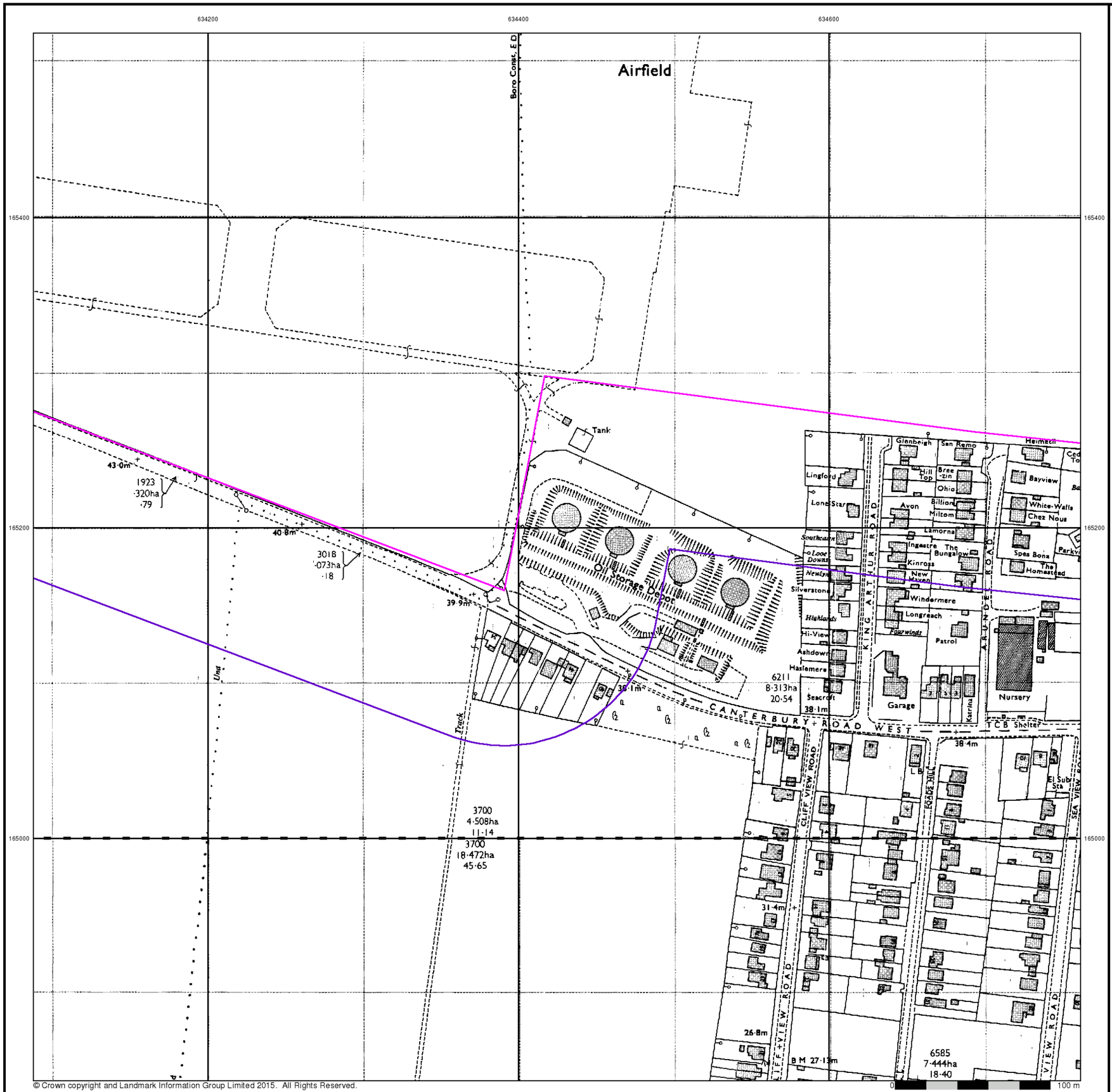


Envirocheck®

Ordnance Survey Plan

Published 1973 - 1977

Source map scale - 1:2,500

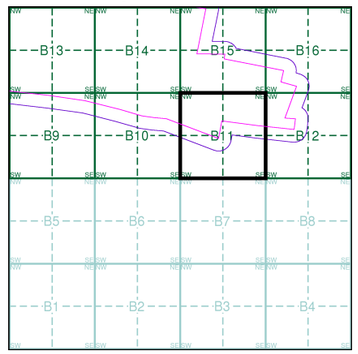
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

TR3465
1977
1:2,500

TR3464
1973
1:2,500

Historical Map - Segment B11



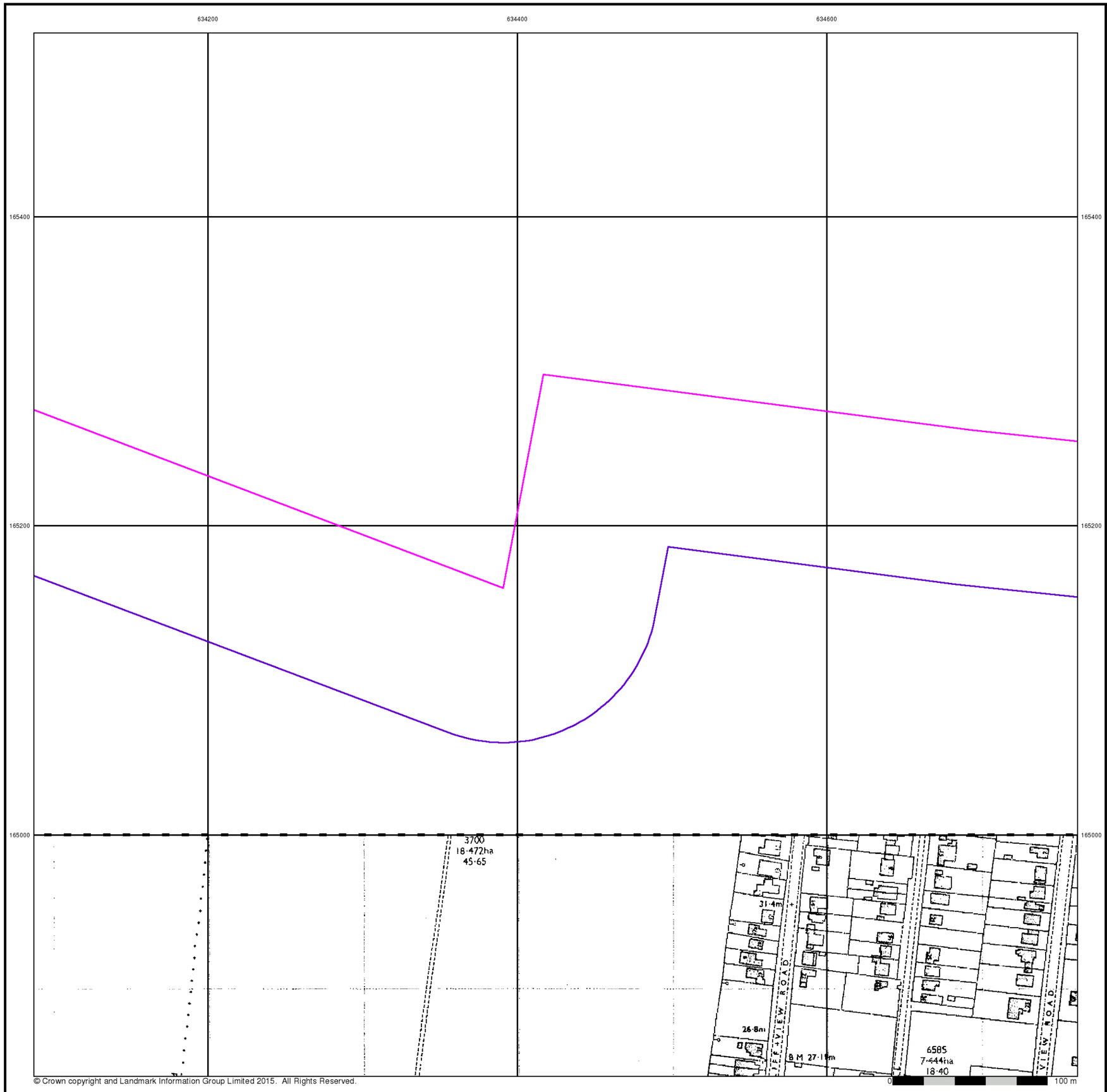
Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

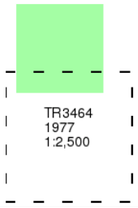
Additional SIMs

Published 1977

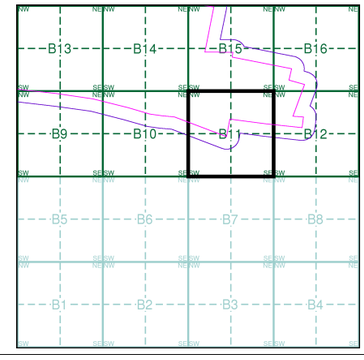
Source map scale - 1:2,500

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 B11



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

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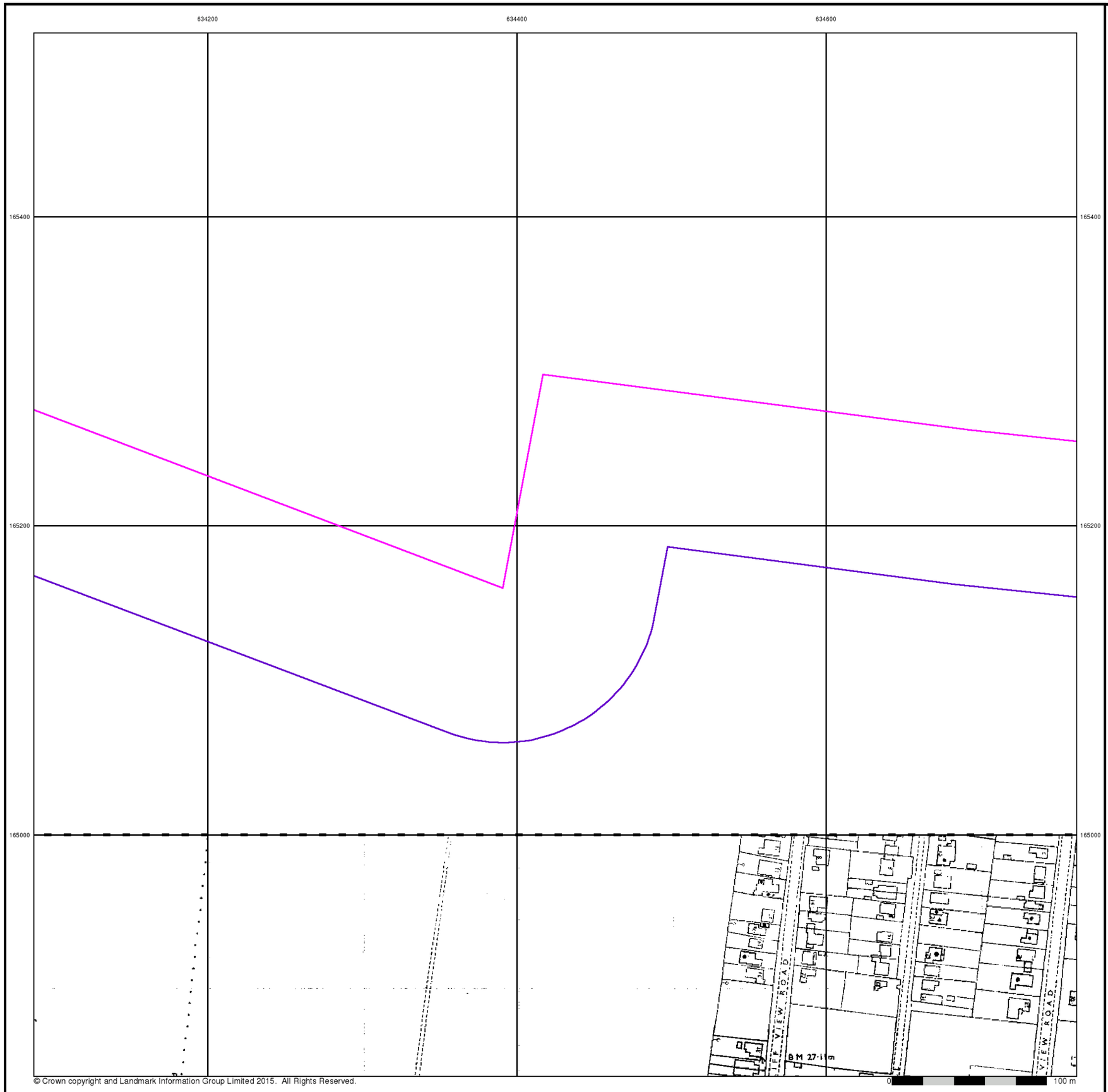


Envirocheck®

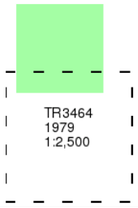
Additional SIMs

Published 1979

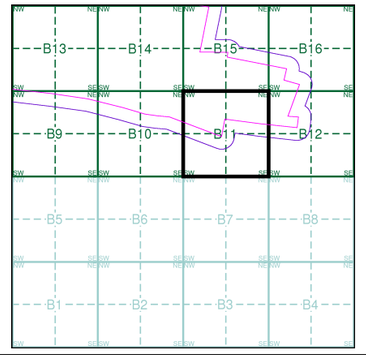
Source map scale - 1:2,500

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 B11



Order Details

Order Number:	82787389_1_1
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Slice:	B
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Site Details

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Landmark® Information Group
Tel: 0844 844 9952
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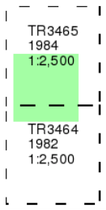
Ordnance Survey Plan

Published 1982 - 1984

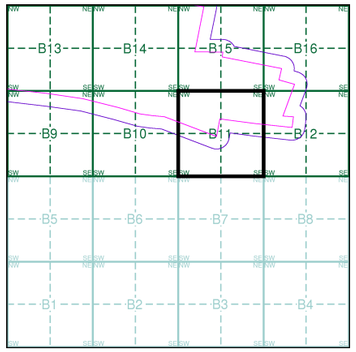
Source map scale - 1:2,500

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 B11



Order Details

Order Number:	82787389_1_1
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Envirocheck®

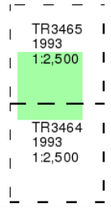
Large-Scale National Grid Data

Published 1993

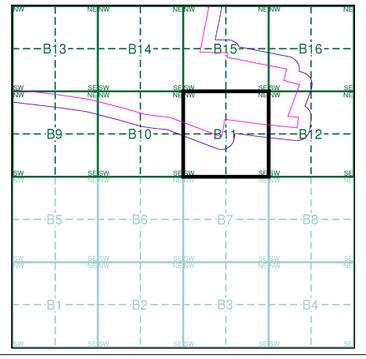
Source map scale - 1:2,500

'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)



Historical Map - Segment B11



Order Details

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National Grid Reference:	634120, 165250
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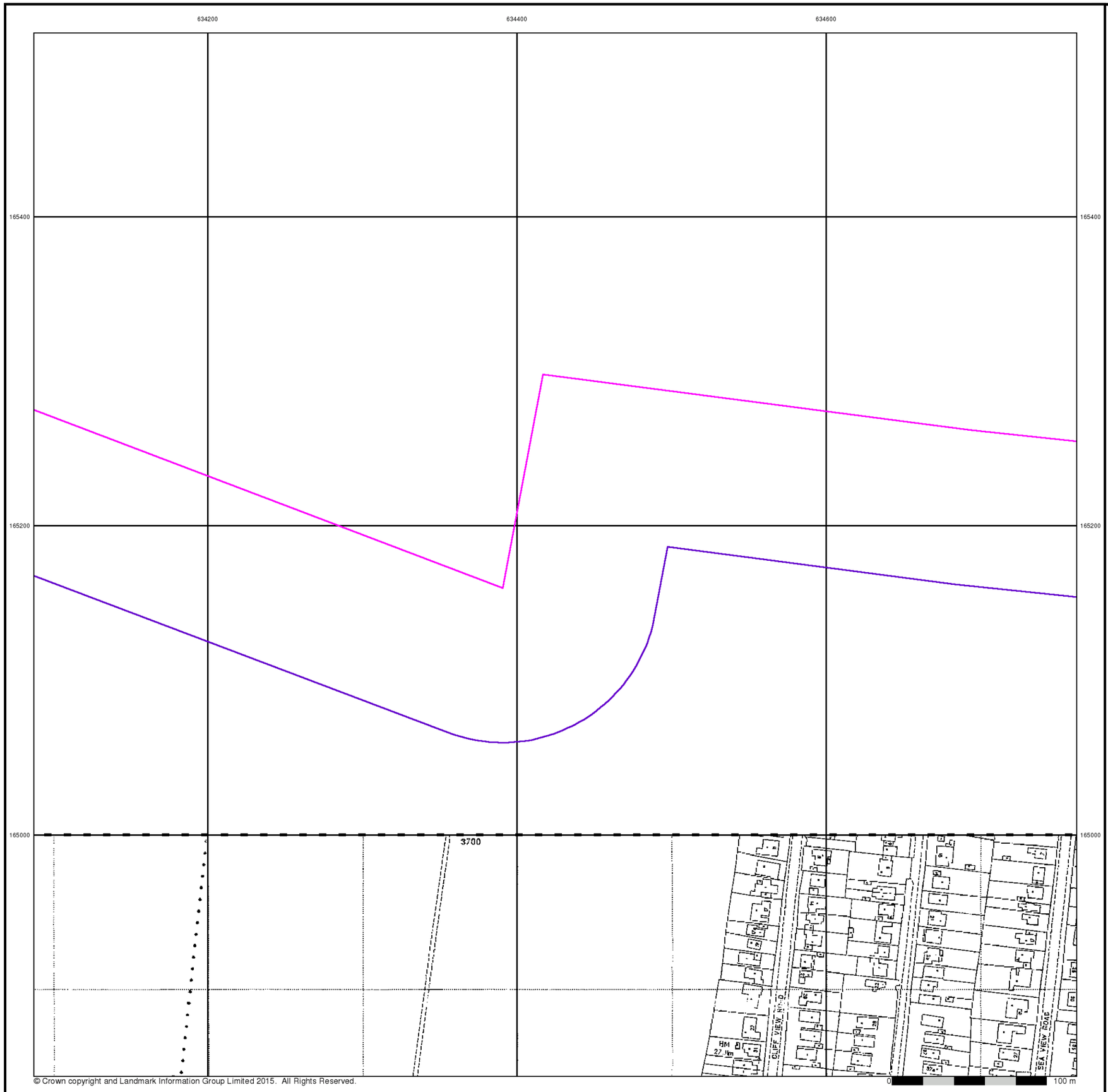


Envirocheck®

Large-Scale National Grid Data

Published 1995

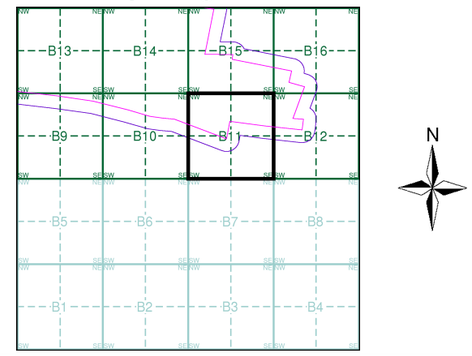
Source map scale - 1:2,500

'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)

TR3464
1995
1:2,500

Historical Map - Segment B11



Order Details

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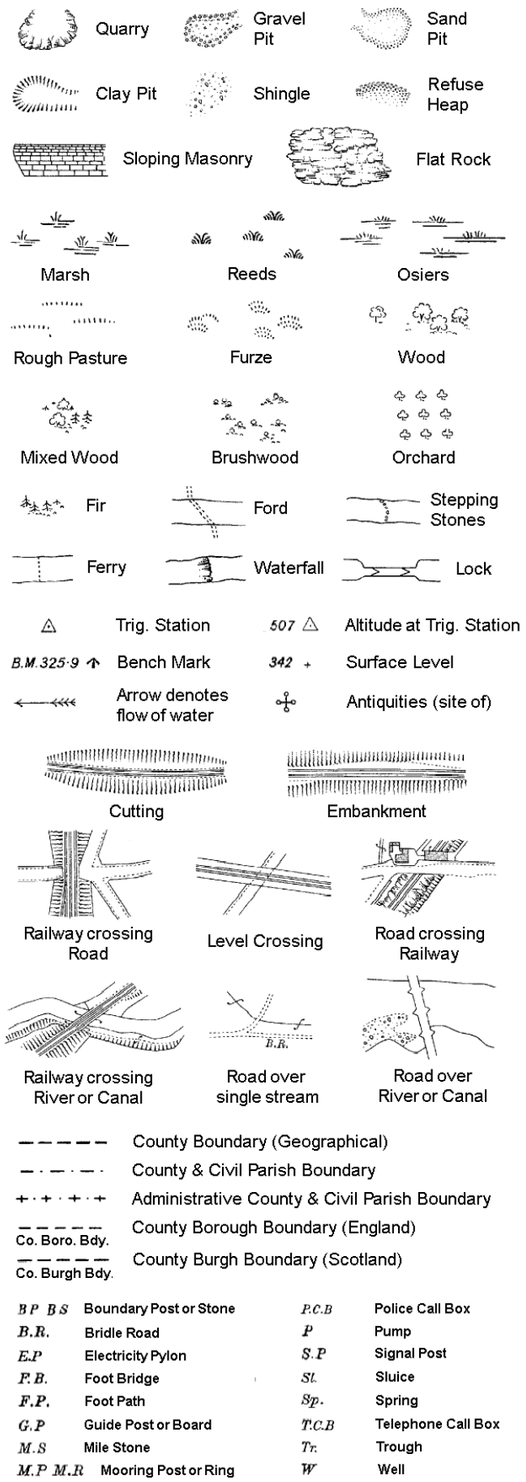
Historical Mapping Legends

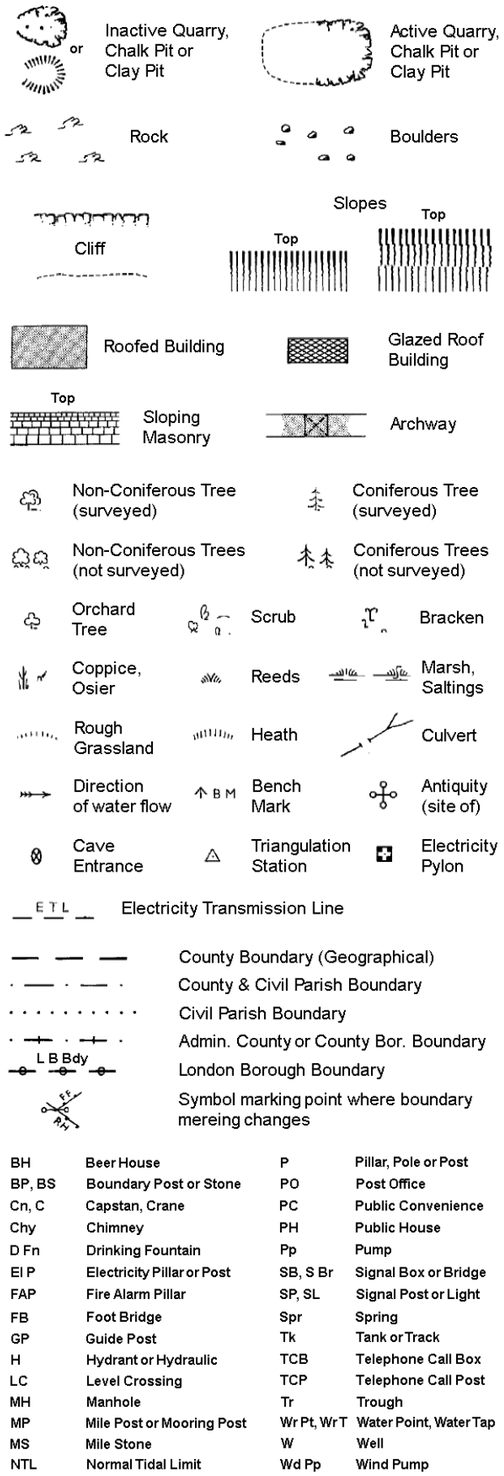
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	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

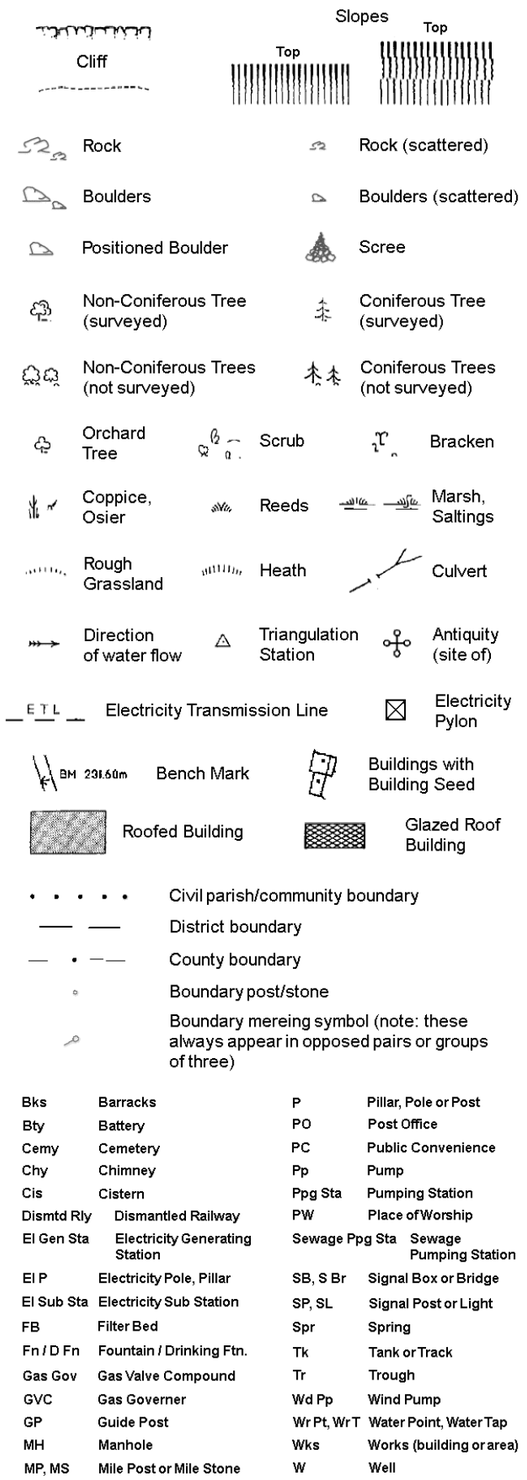
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy
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
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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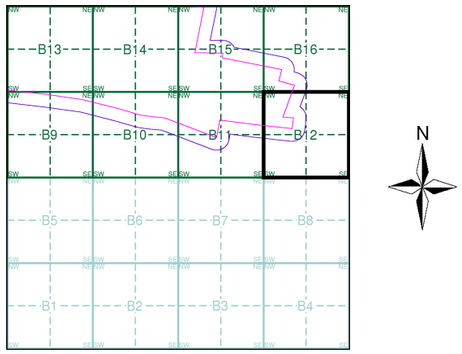
Historical Mapping & Photography included:

Historical Map - Segment B12



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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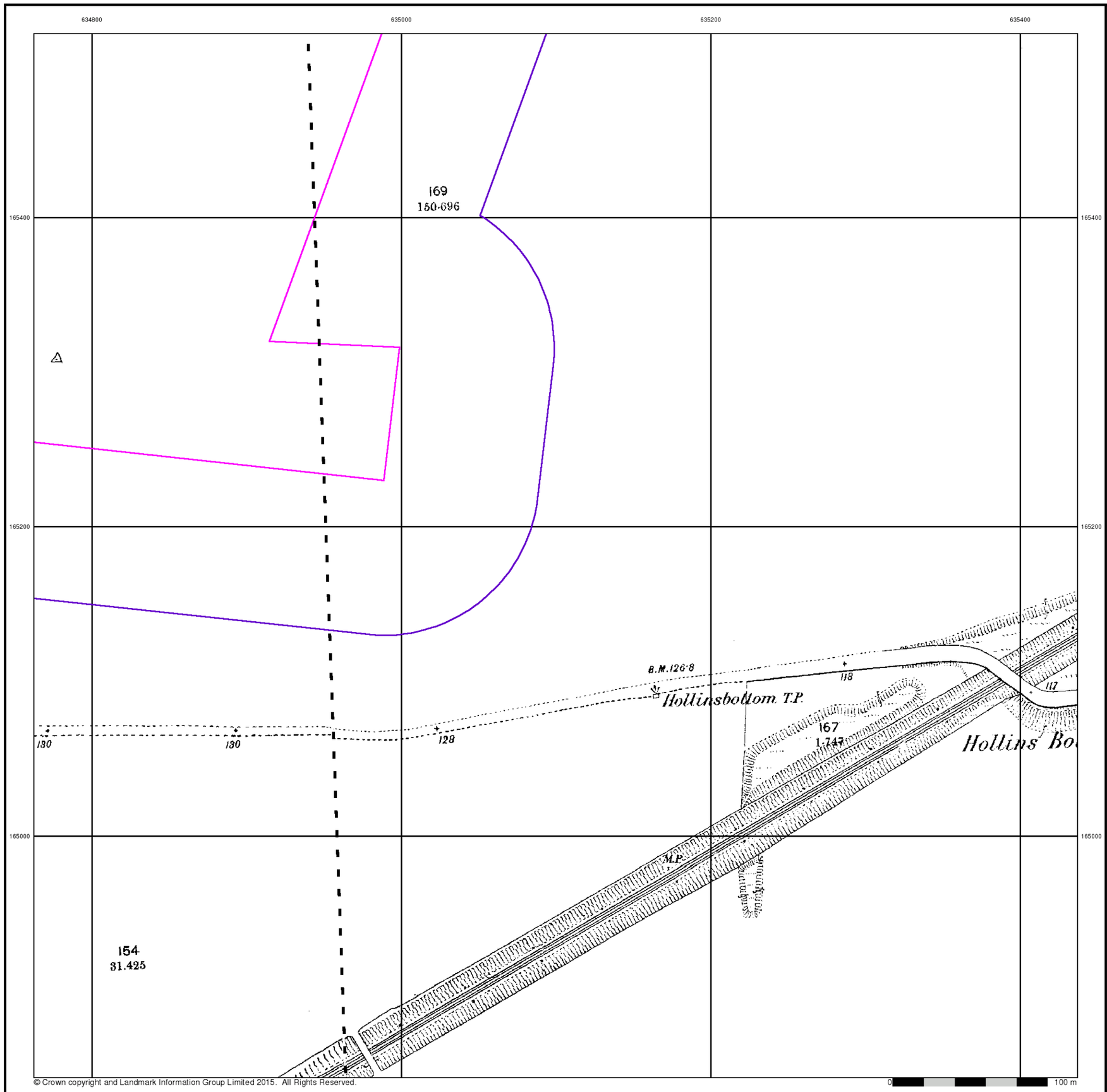
Web: www.envirocheck.co.uk



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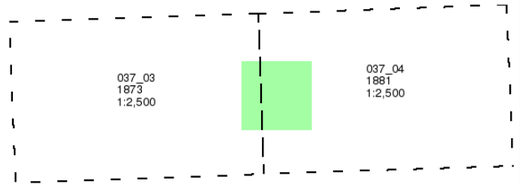
Kent

Published 1873 - 1881

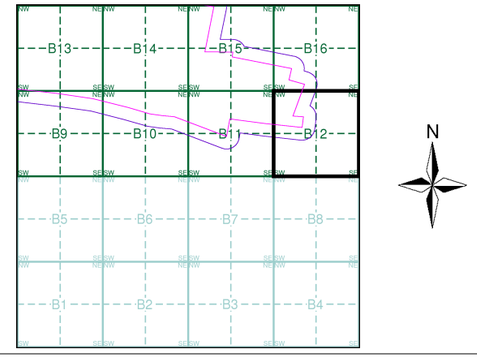
Source map scale - 1:2,500

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 B12



Order Details

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Site Details

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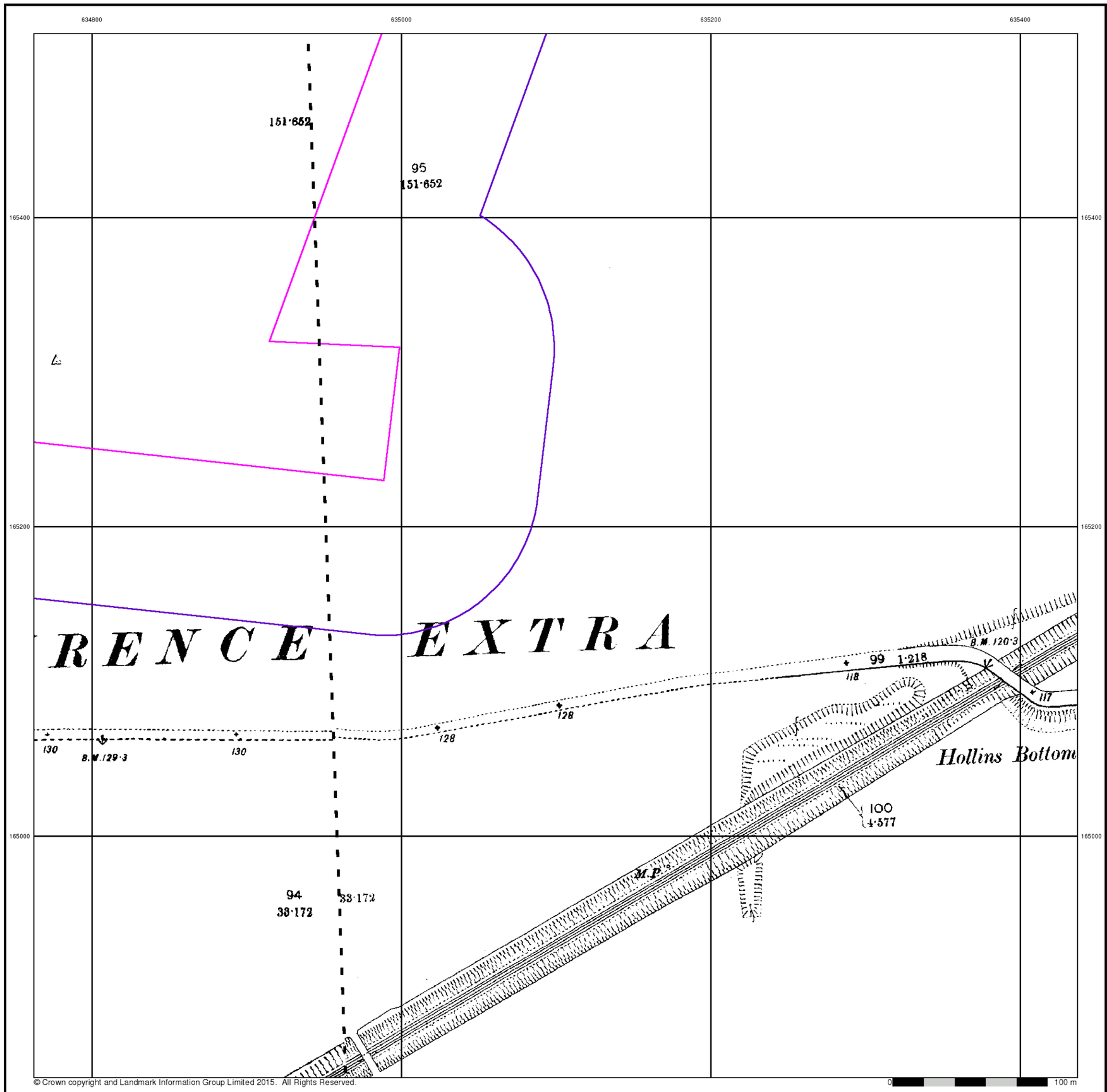

0 100 m

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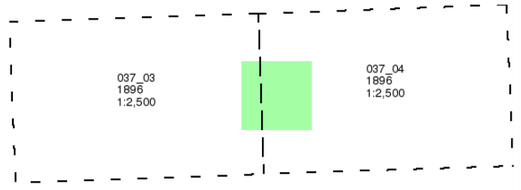
Kent

Published 1896

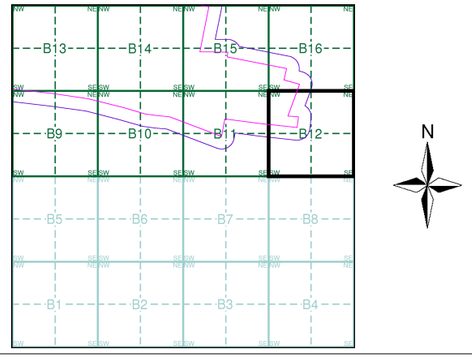
Source map scale - 1:2,500

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 B12



Order Details

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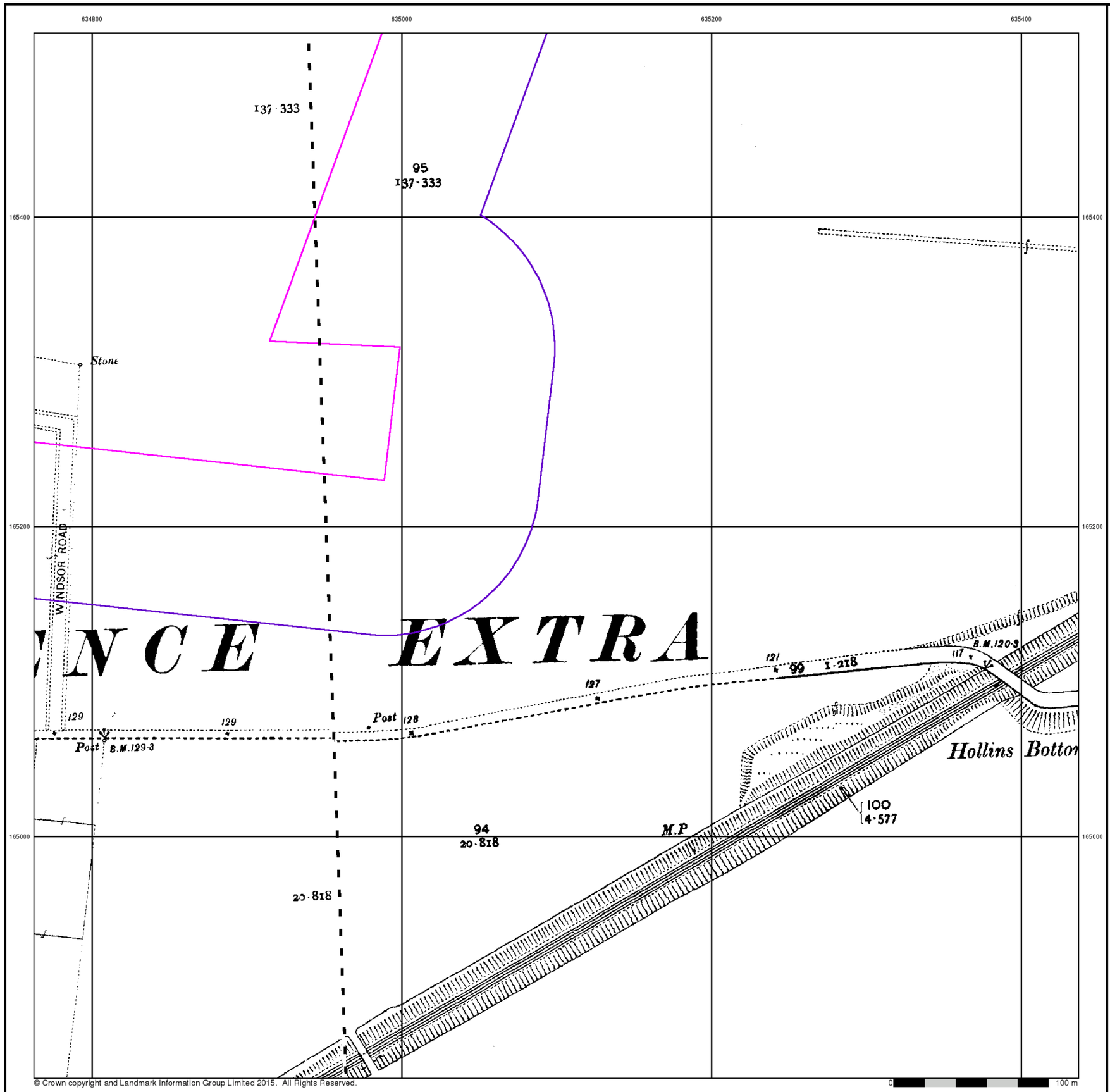

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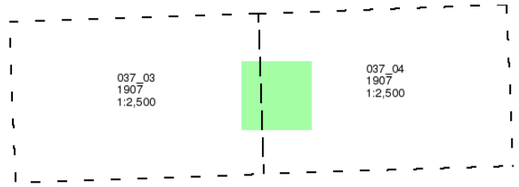
Kent

Published 1907

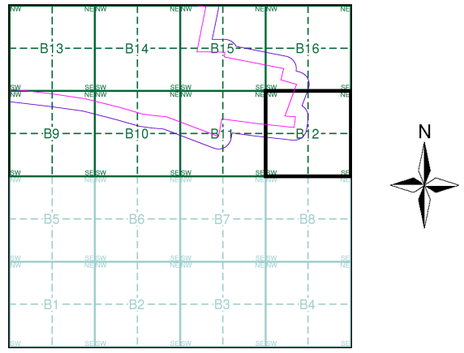
Source map scale - 1:2,500

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 B12



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Search Buffer (m):	100

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Kent

Published 1938

Source map scale - 1:2,500

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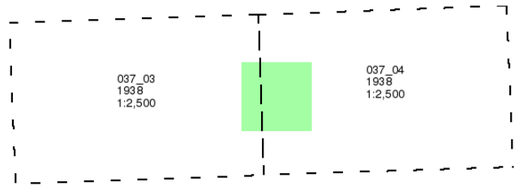
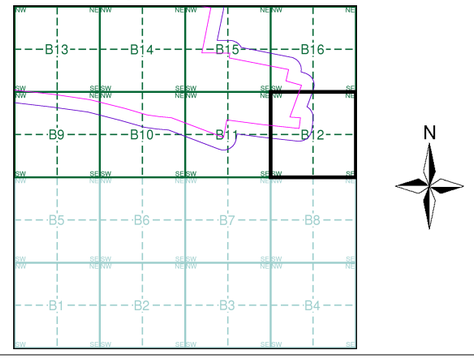


Historical Map - Segment B12



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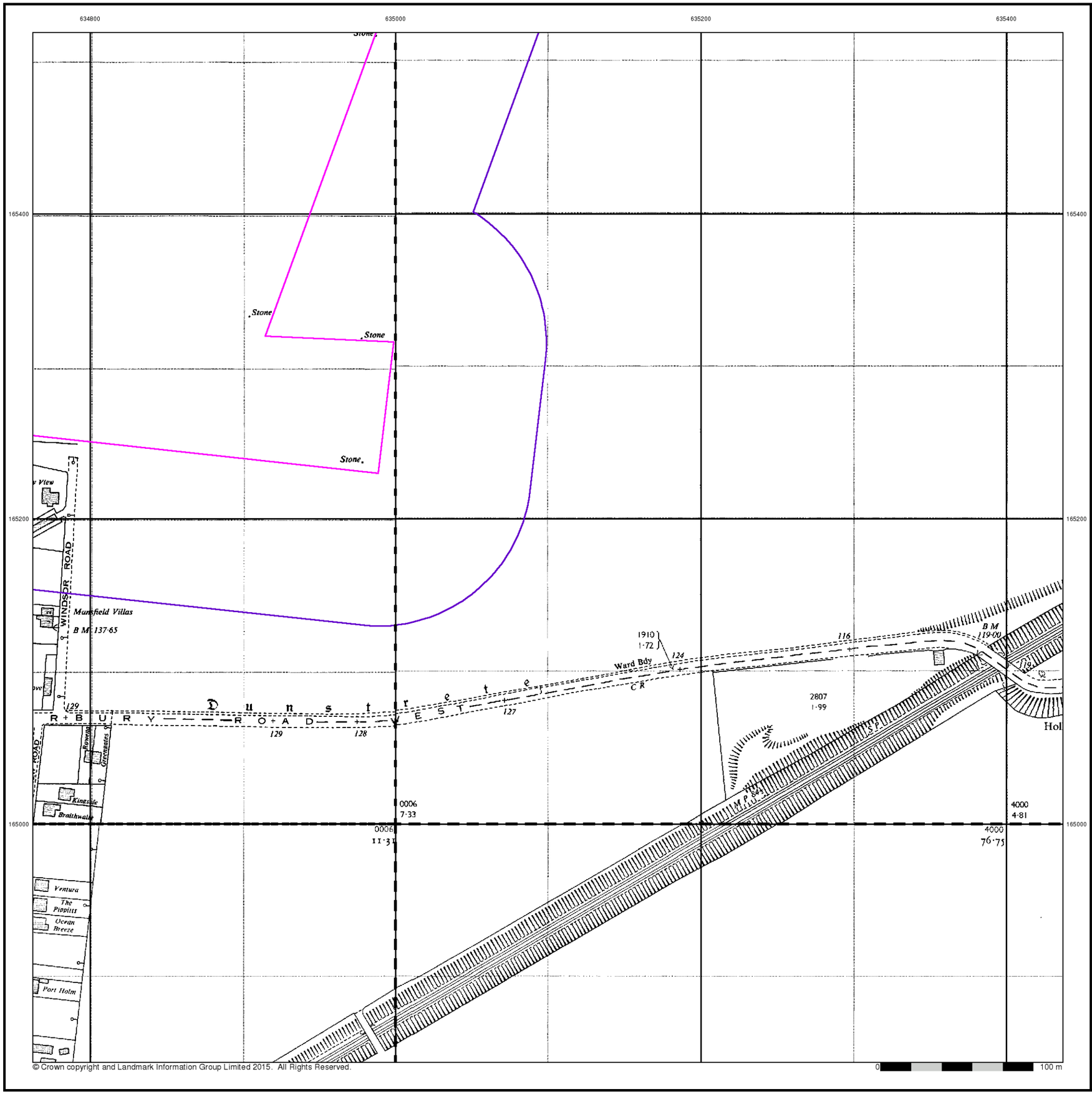

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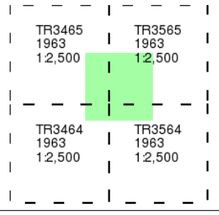
Ordnance Survey Plan

Published 1963

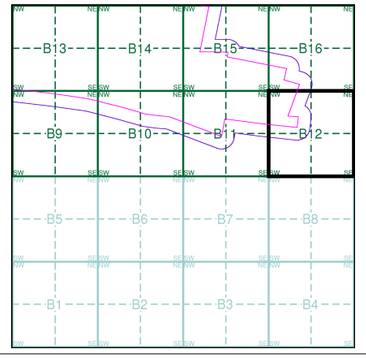
Source map scale - 1:2,500

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 B12



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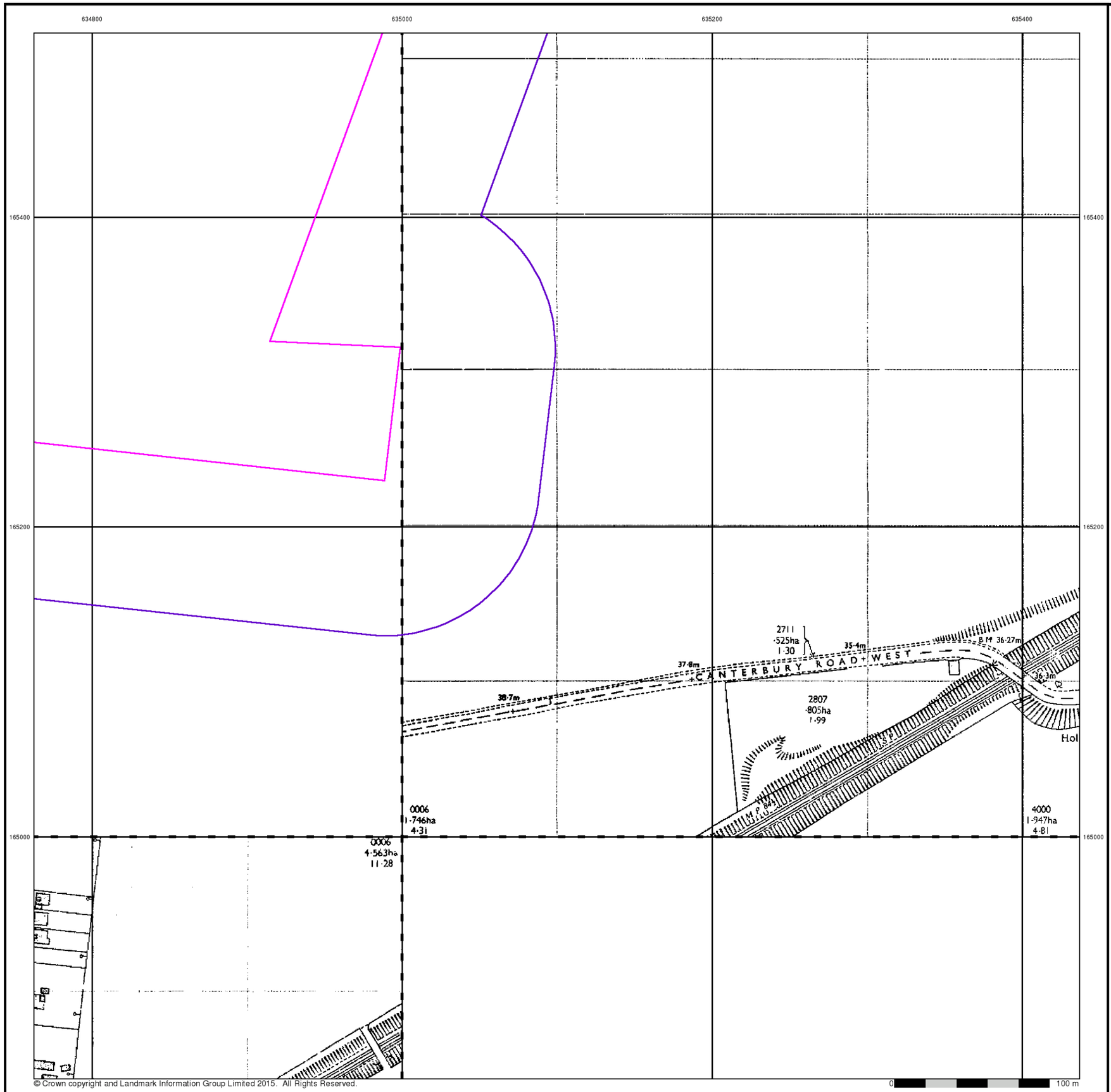


Envirocheck®

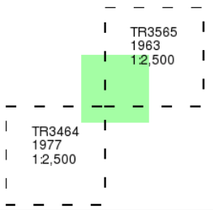
Additional SIMs

Published 1963 - 1977

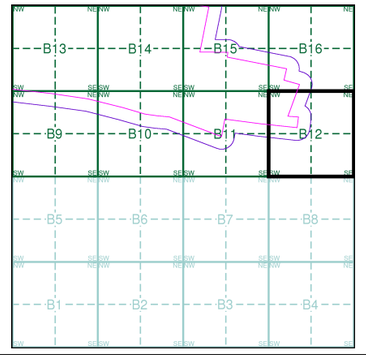
Source map scale - 1:2,500

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 B12



Order Details

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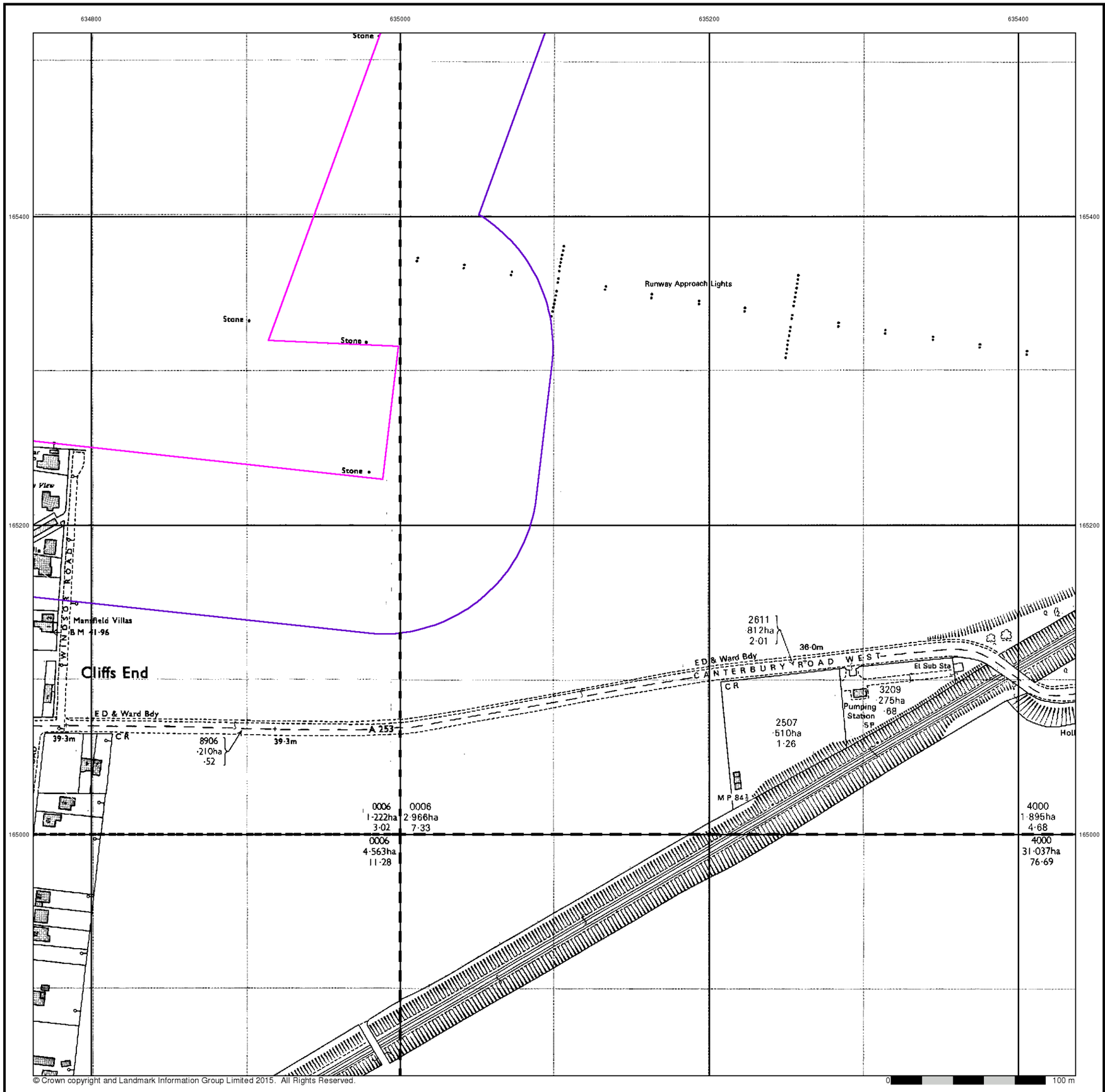

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Ordnance Survey Plan

Published 1973 - 1984

Source map scale - 1:2,500

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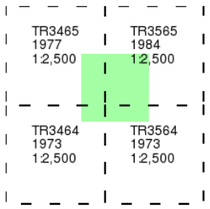
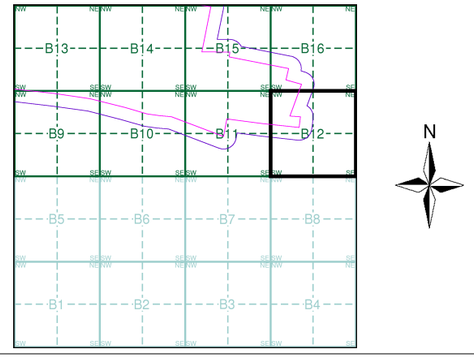
Map Name(s) and Date(s)



Historical Map - Segment B12



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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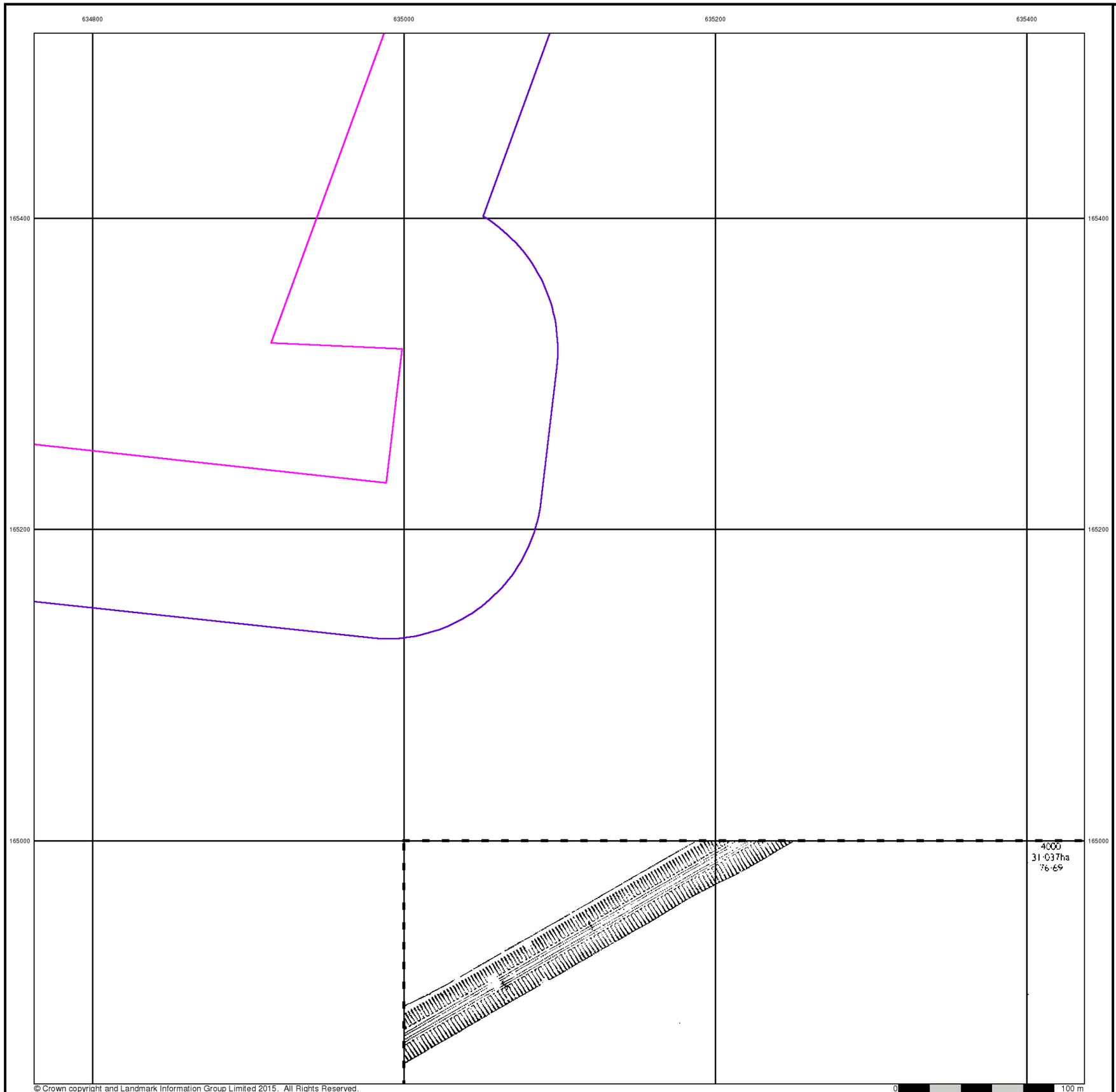


Envirocheck®

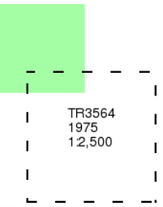
Supply of Unpublished Survey Information

Published 1975

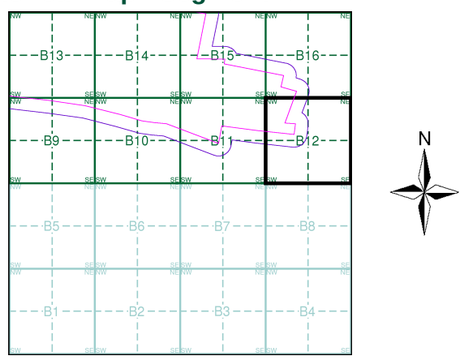
Source map scale - 1:2,500

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)



Historical Map - Segment B12



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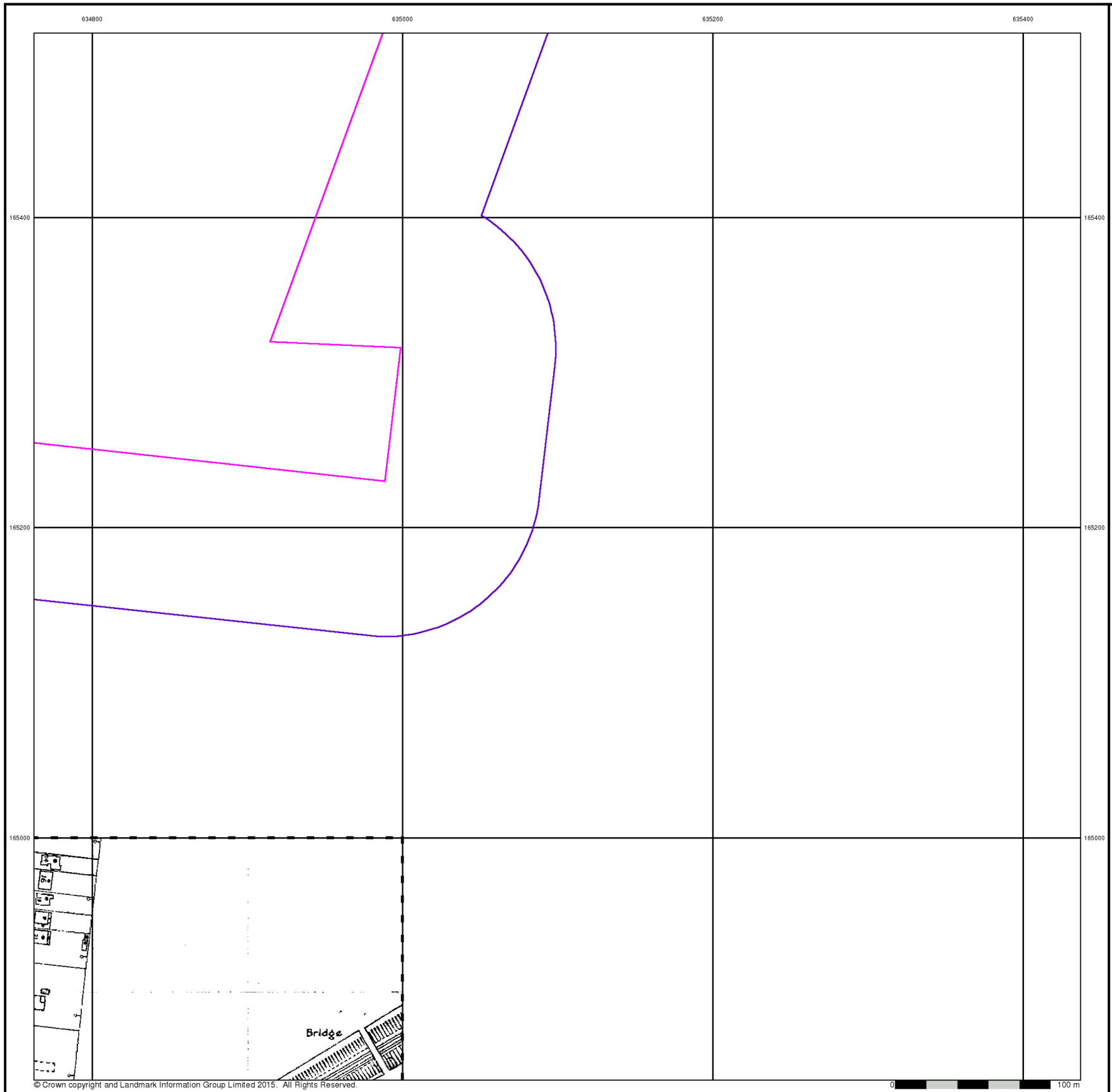

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Additional SIMs

Published 1979

Source map scale - 1:2,500

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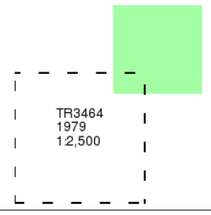
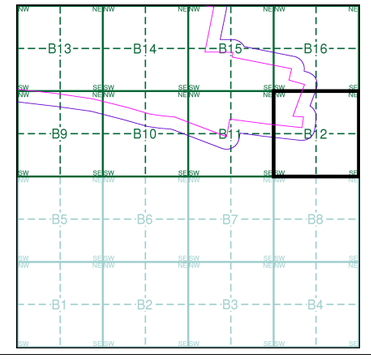
Map Name(s) and Date(s)



Historical Map - Segment B12



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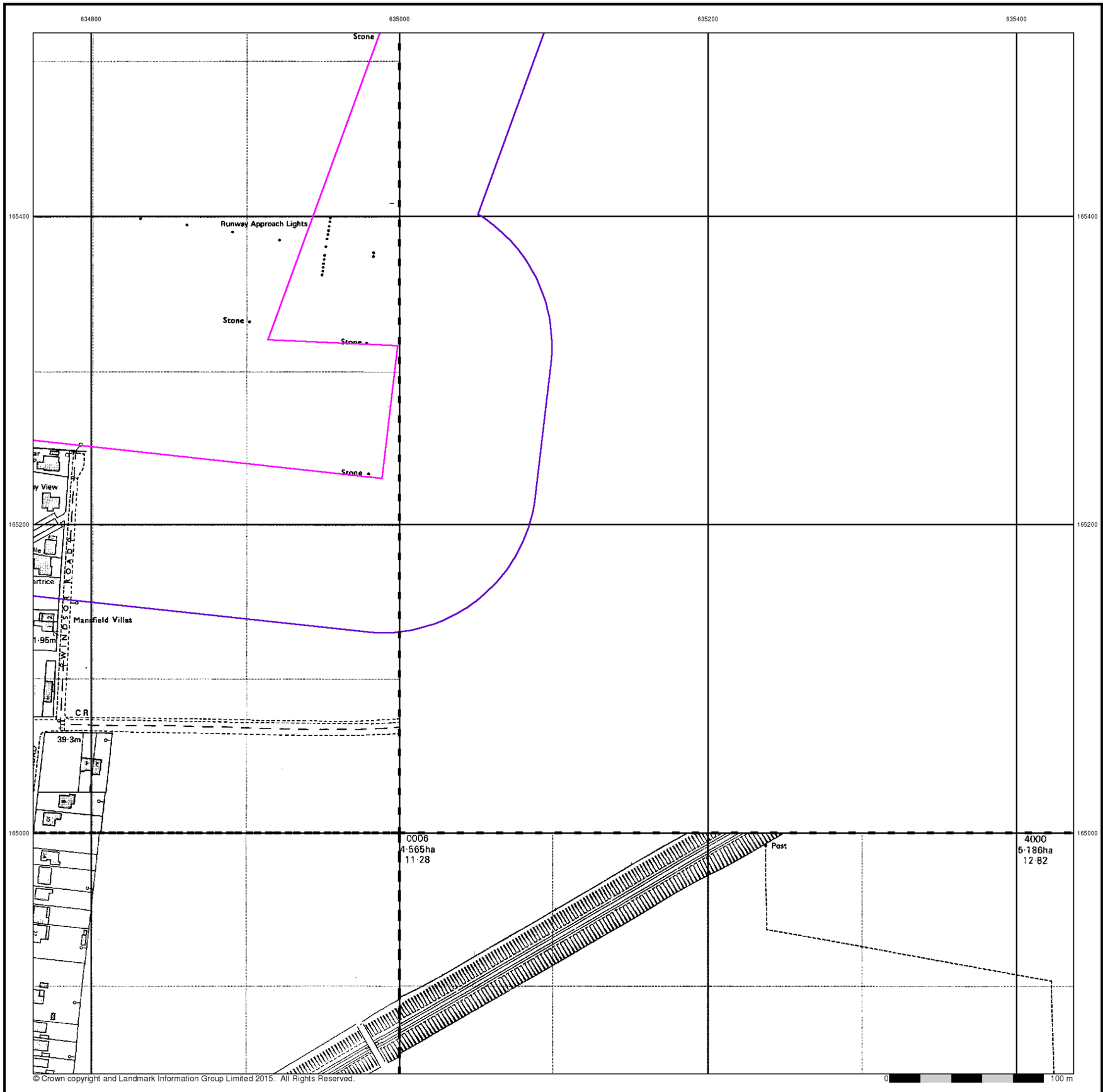

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Ordnance Survey Plan

Published 1982 - 1984

Source map scale - 1:2,500

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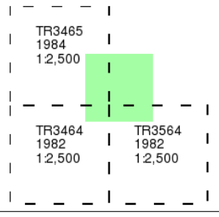
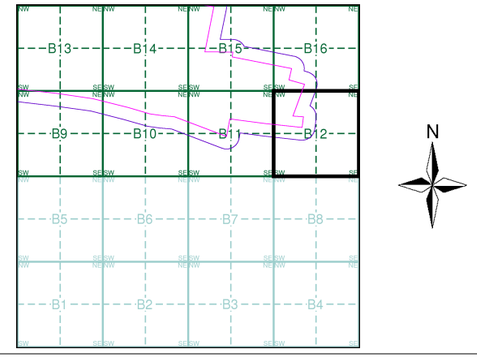
Map Name(s) and Date(s)



Historical Map - Segment B12



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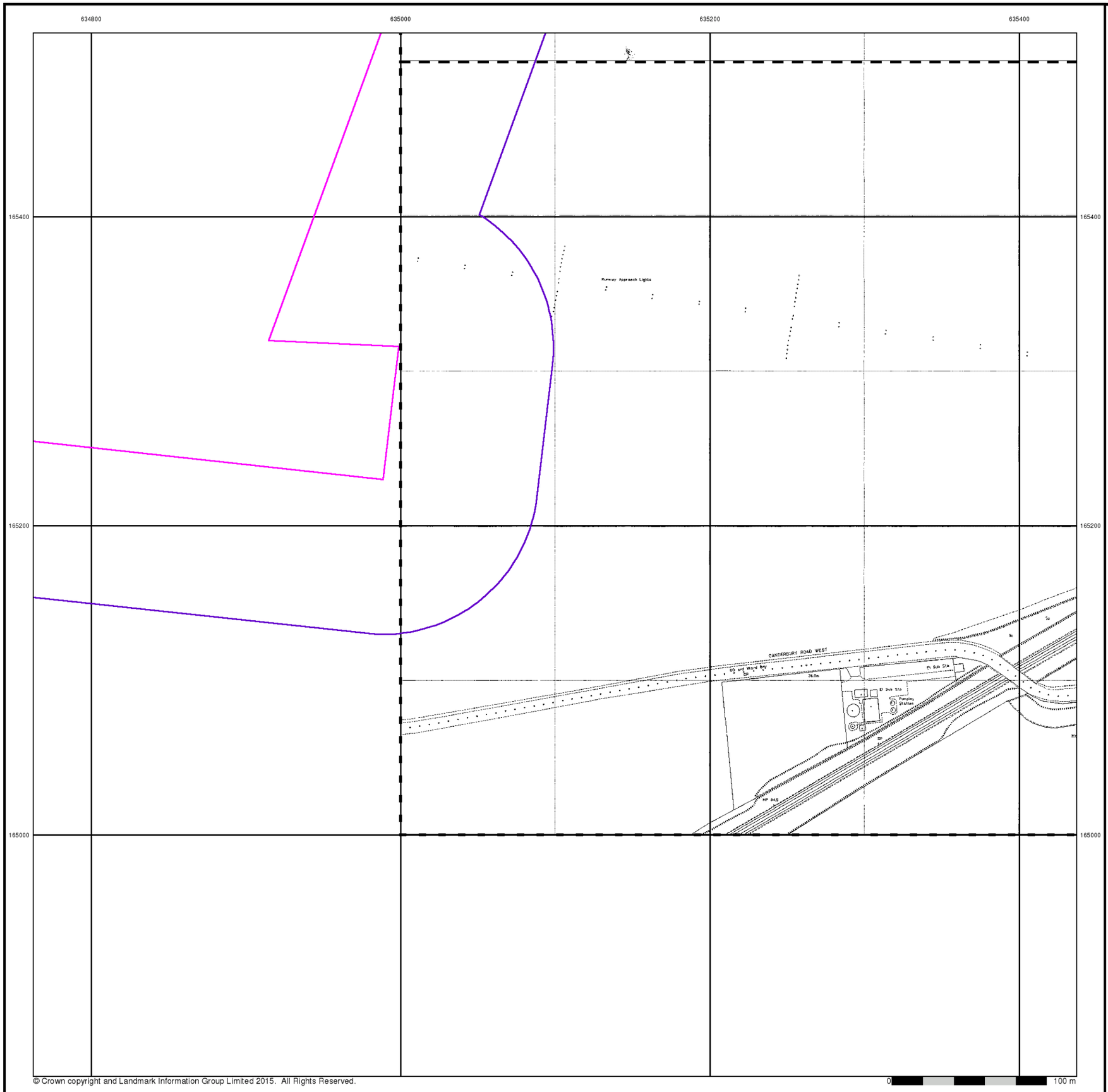


Envirocheck®

Large-Scale National Grid Data

Published 1993

Source map scale - 1:1,250

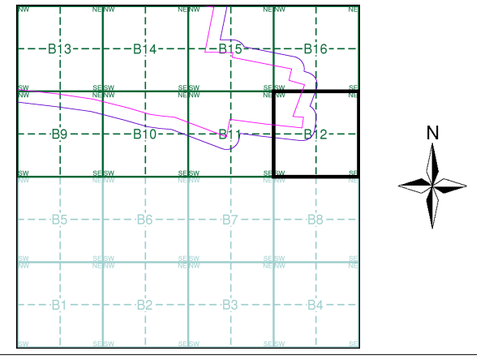
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

TR3565NW
1993
1:1,250

TR3565SW
1993
1:1,250

Historical Map - Segment B12



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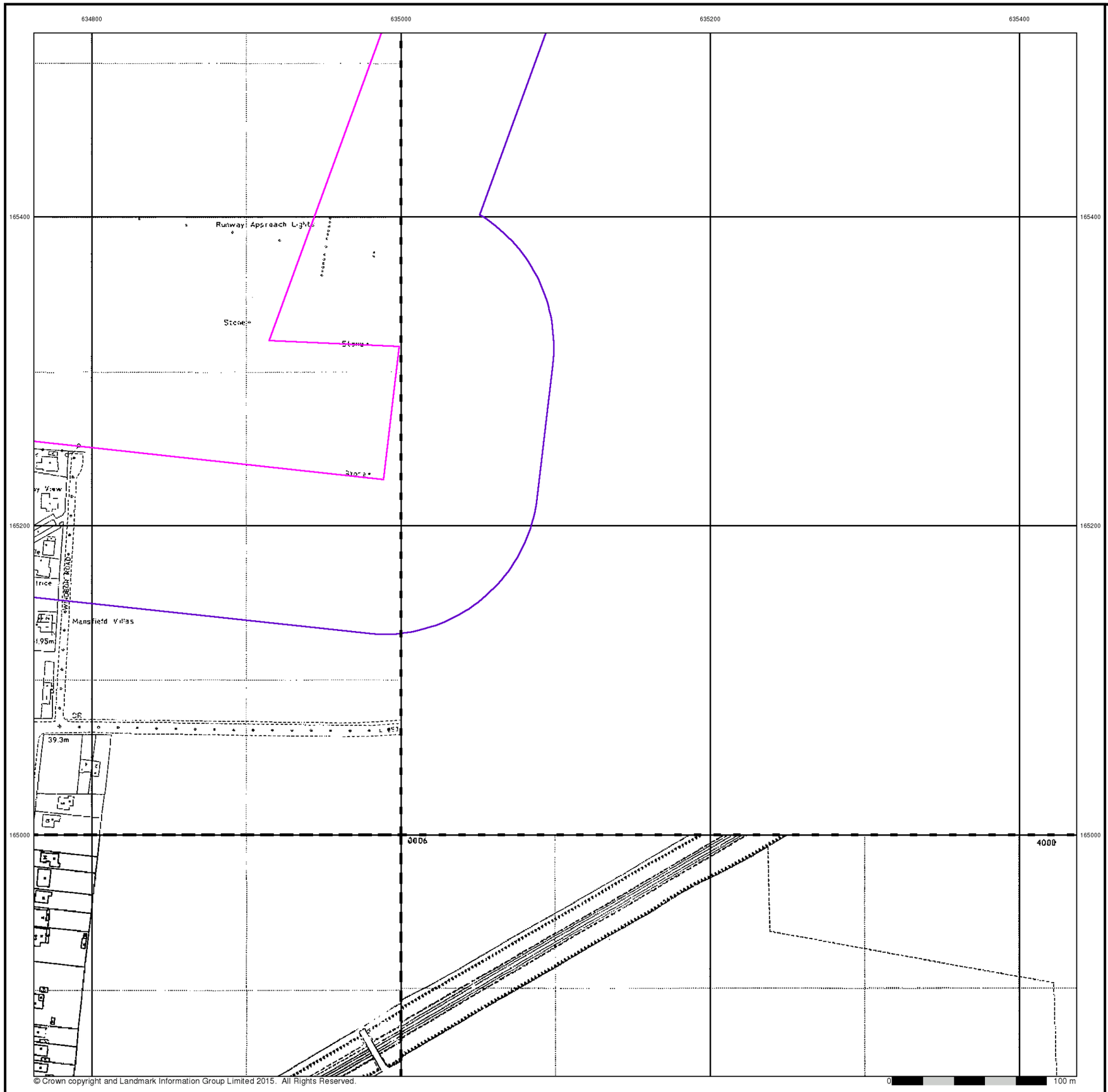


Envirocheck®

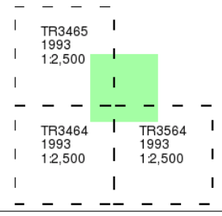
Large-Scale National Grid Data

Published 1993

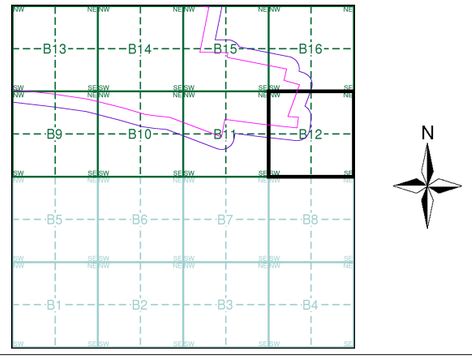
Source map scale - 1:2,500

'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)



Historical Map - Segment B12



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

Tel: 0844 844 9952
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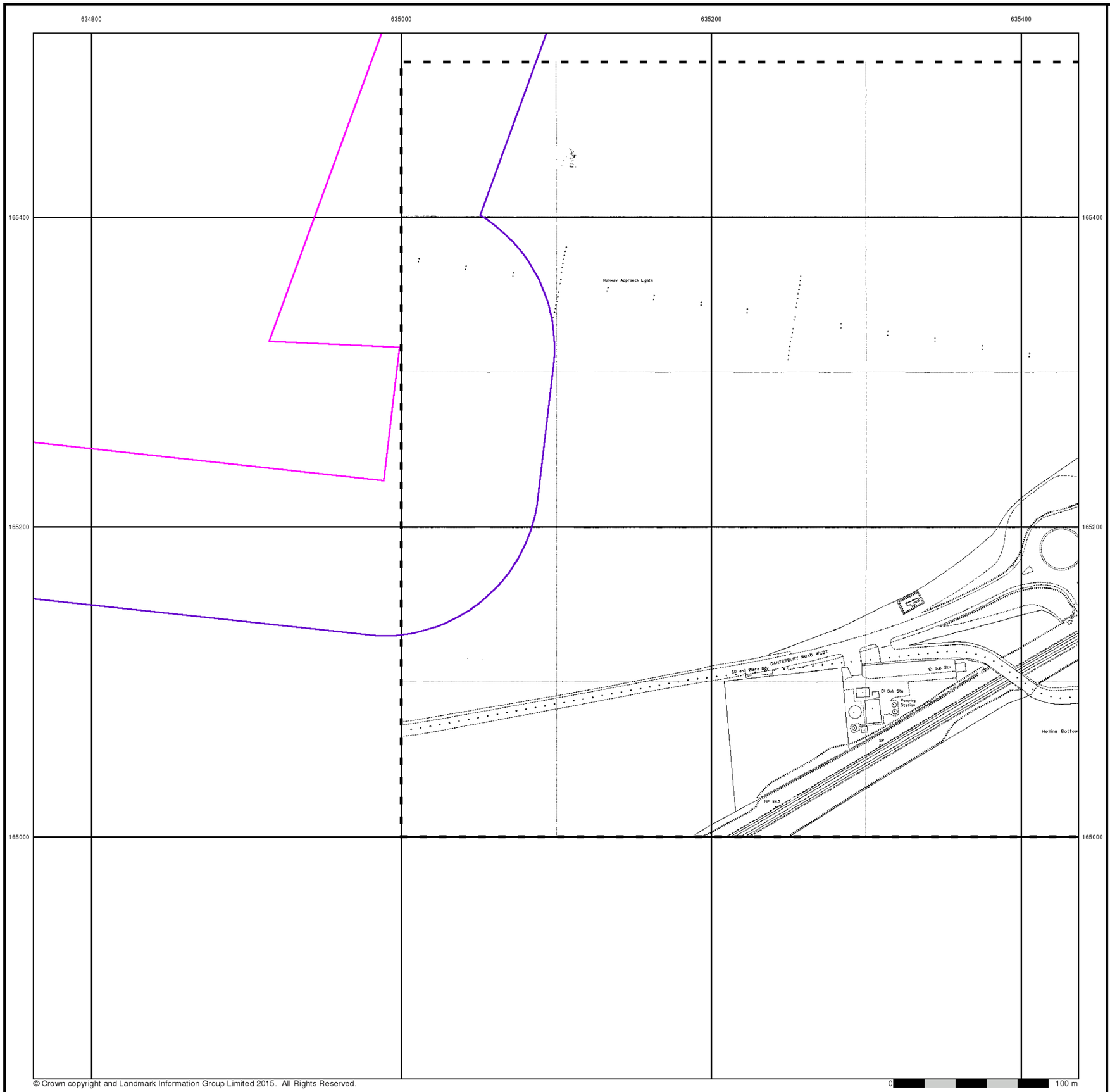


Envirocheck®

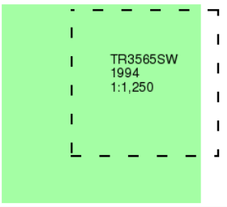
Large-Scale National Grid Data

Published 1994

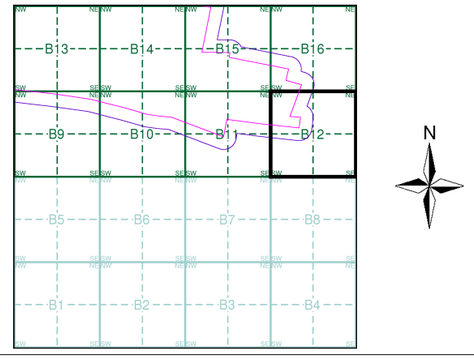
Source map scale - 1:1,250

'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 B12



Order Details

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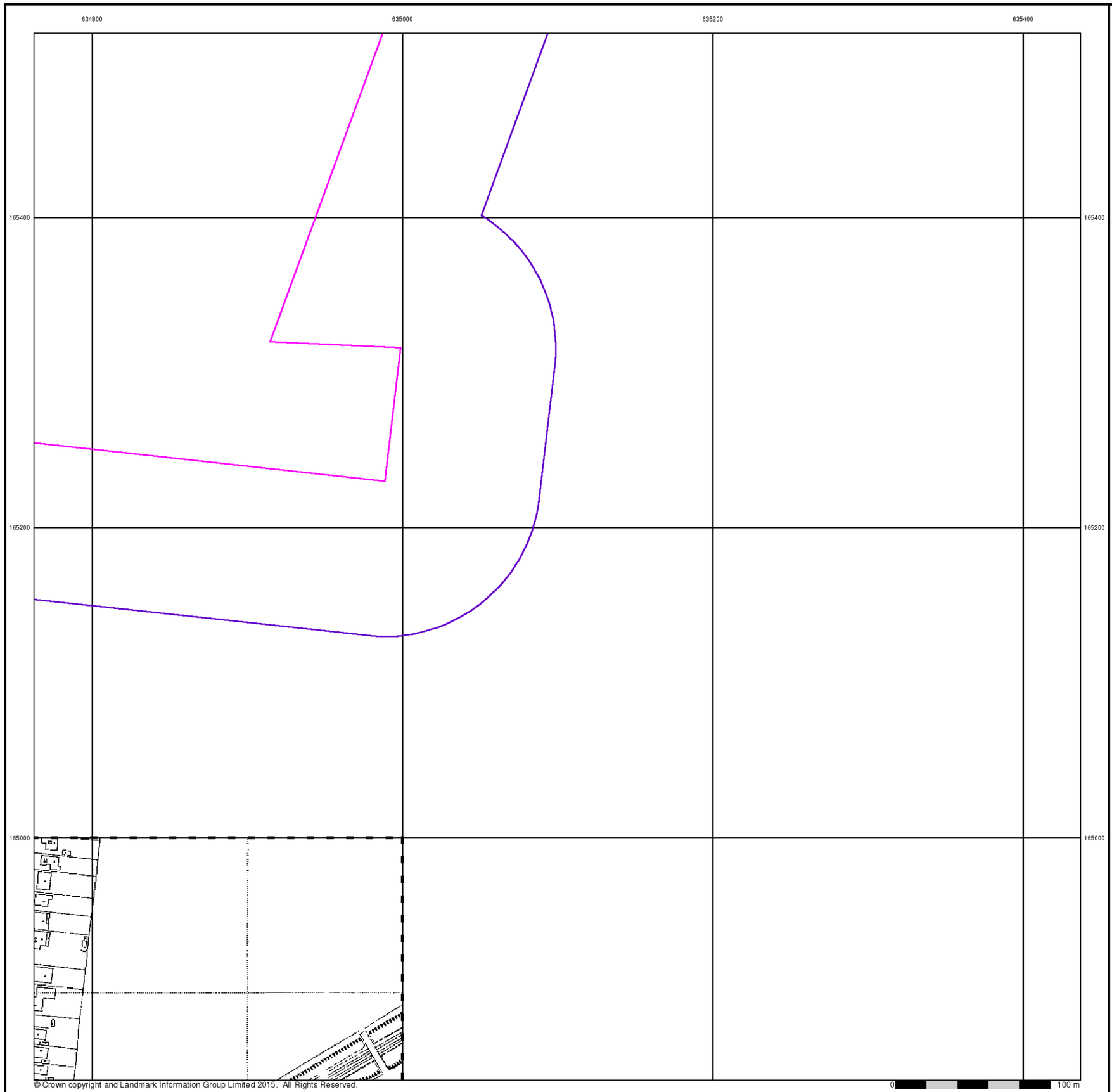


Envirocheck®

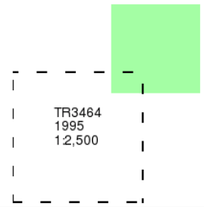
Large-Scale National Grid Data

Published 1995

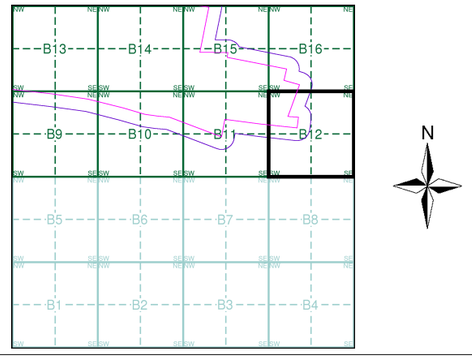
Source map scale - 1:2,500

'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 B12



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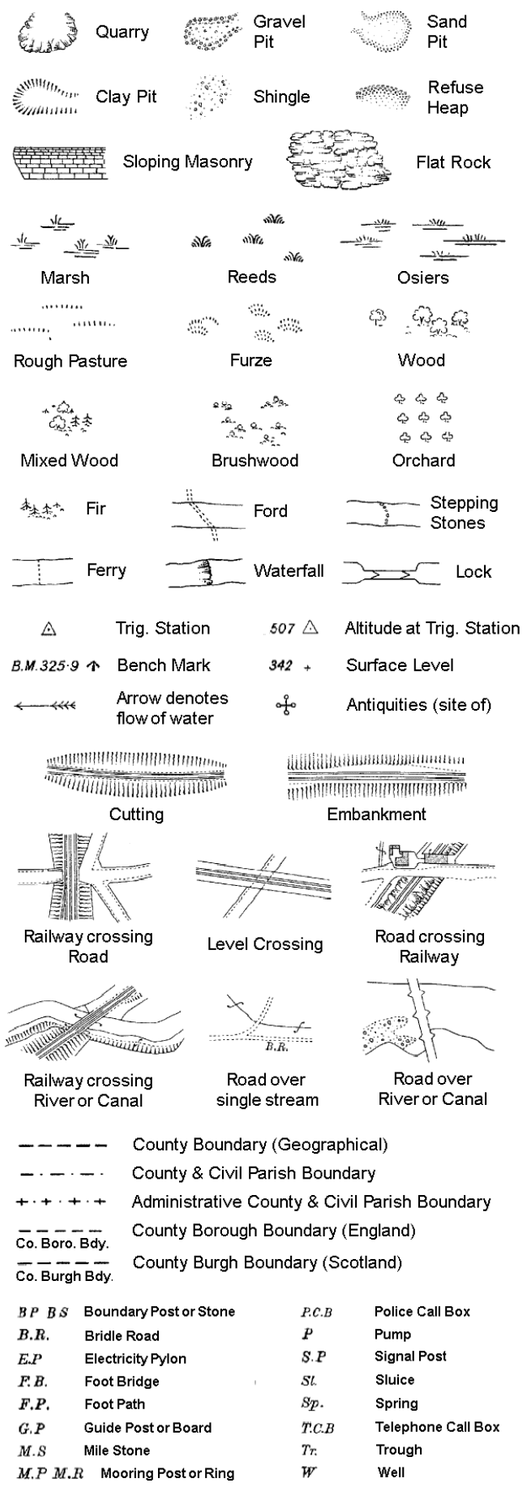
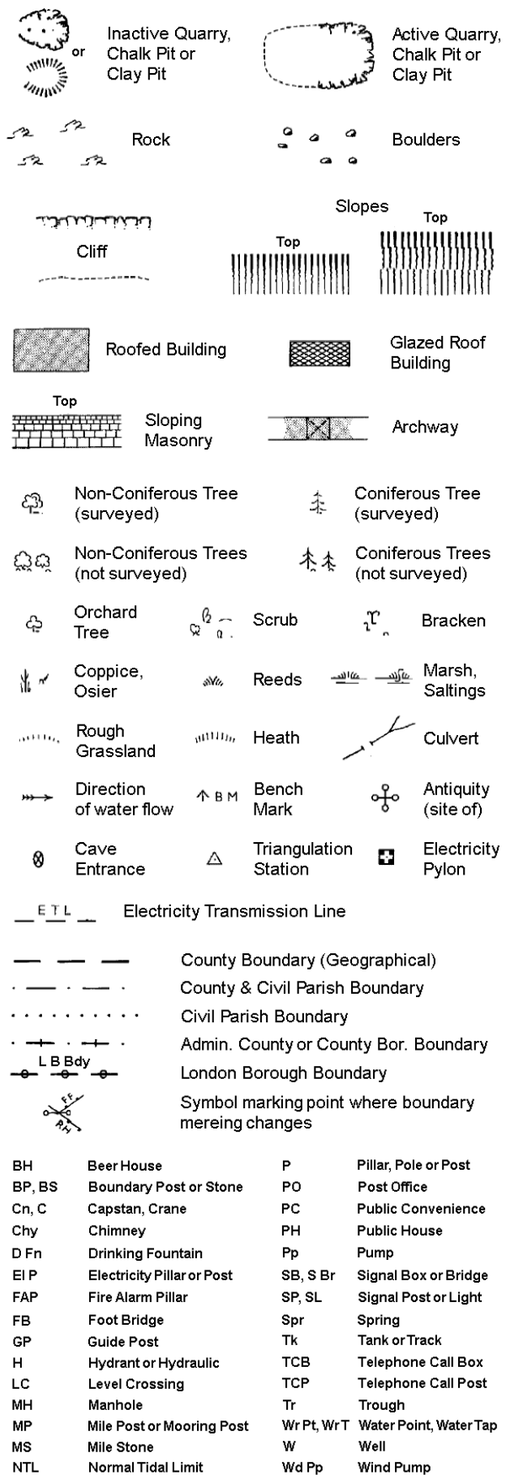
Historical Mapping Legends

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



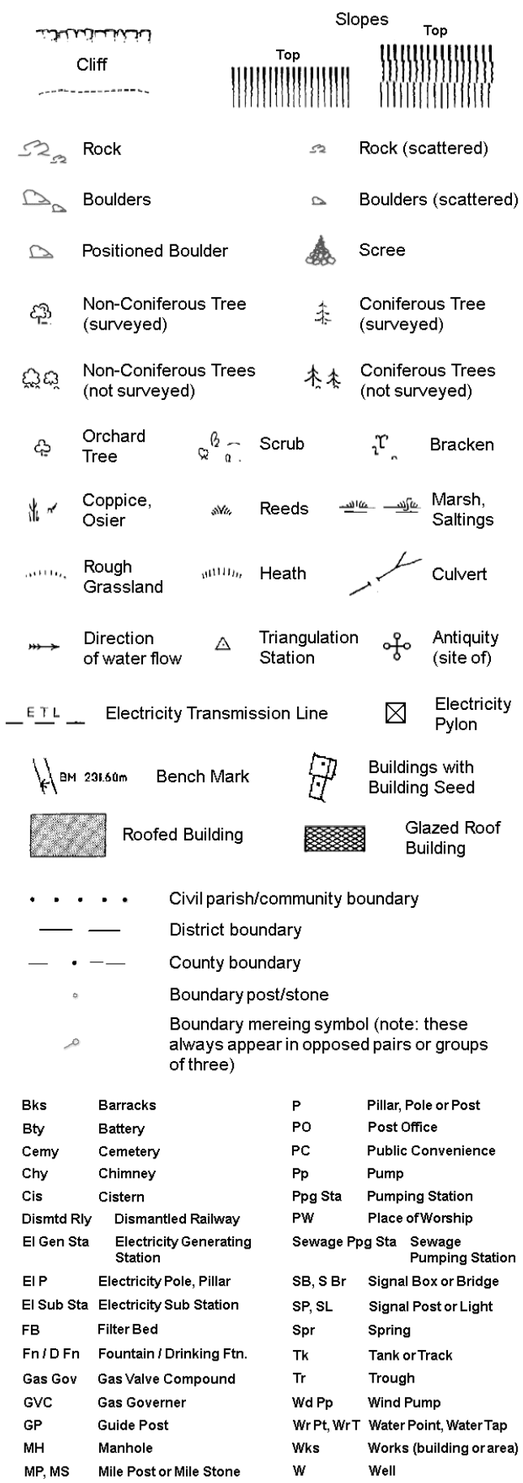
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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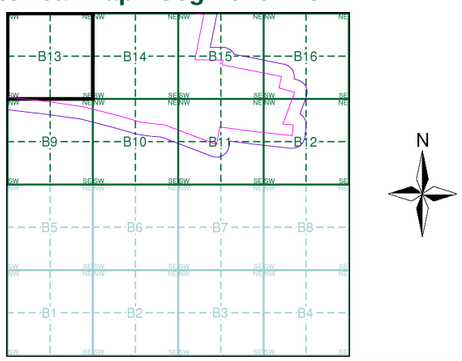
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873 - 1894	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938 - 1939	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Additional SIMs	1:2,500	1979 - 1989	7
Additional SIMs	1:2,500	1989	8
Large-Scale National Grid Data	1:2,500	1993	9
Large-Scale National Grid Data	1:2,500	1995	10

Historical Map - Segment B13



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
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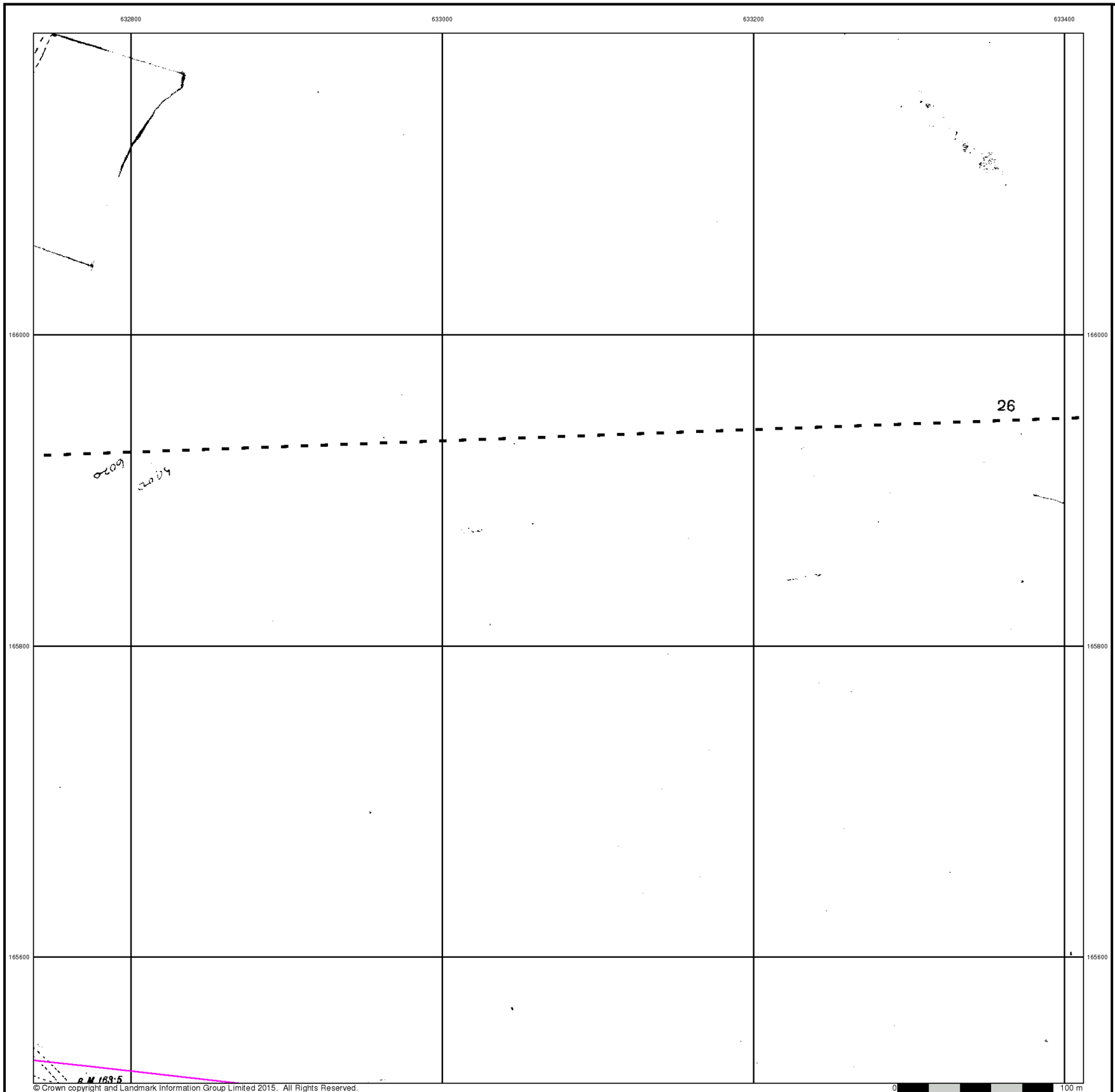
Web: www.envirocheck.co.uk



0 100 m

Envirocheck®

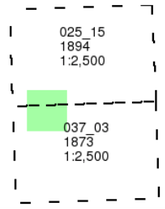
Kent

Published 1873 - 1894

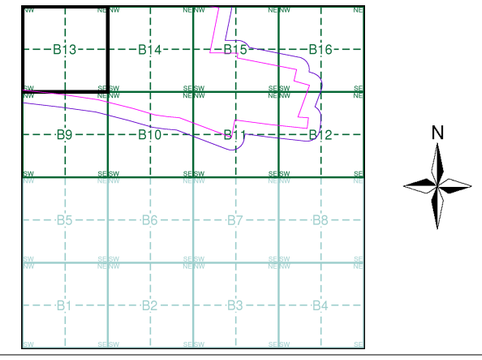
Source map scale - 1:2,500

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 B13



Order Details

Order Number:	82787389_1_1
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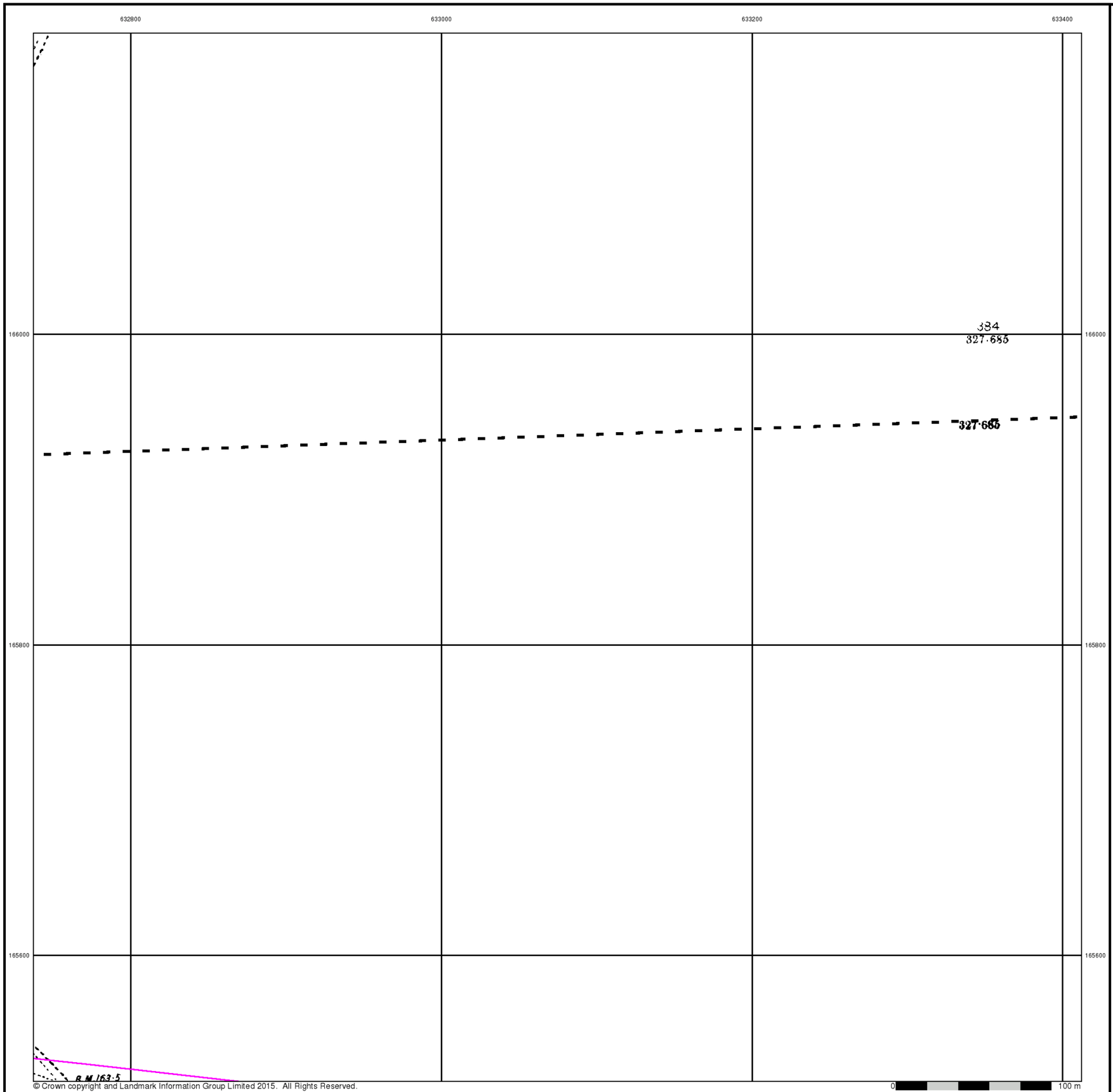


0 100 m

Envirocheck®

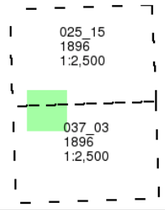
Kent

Published 1896

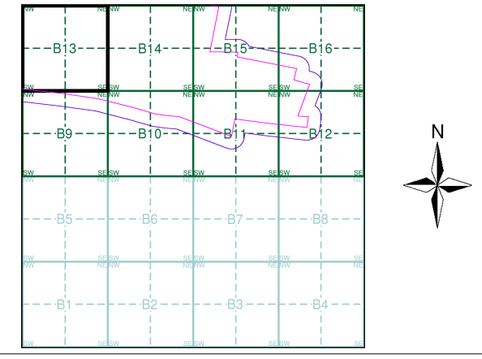
Source map scale - 1:2,500

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 B13



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
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Site Details

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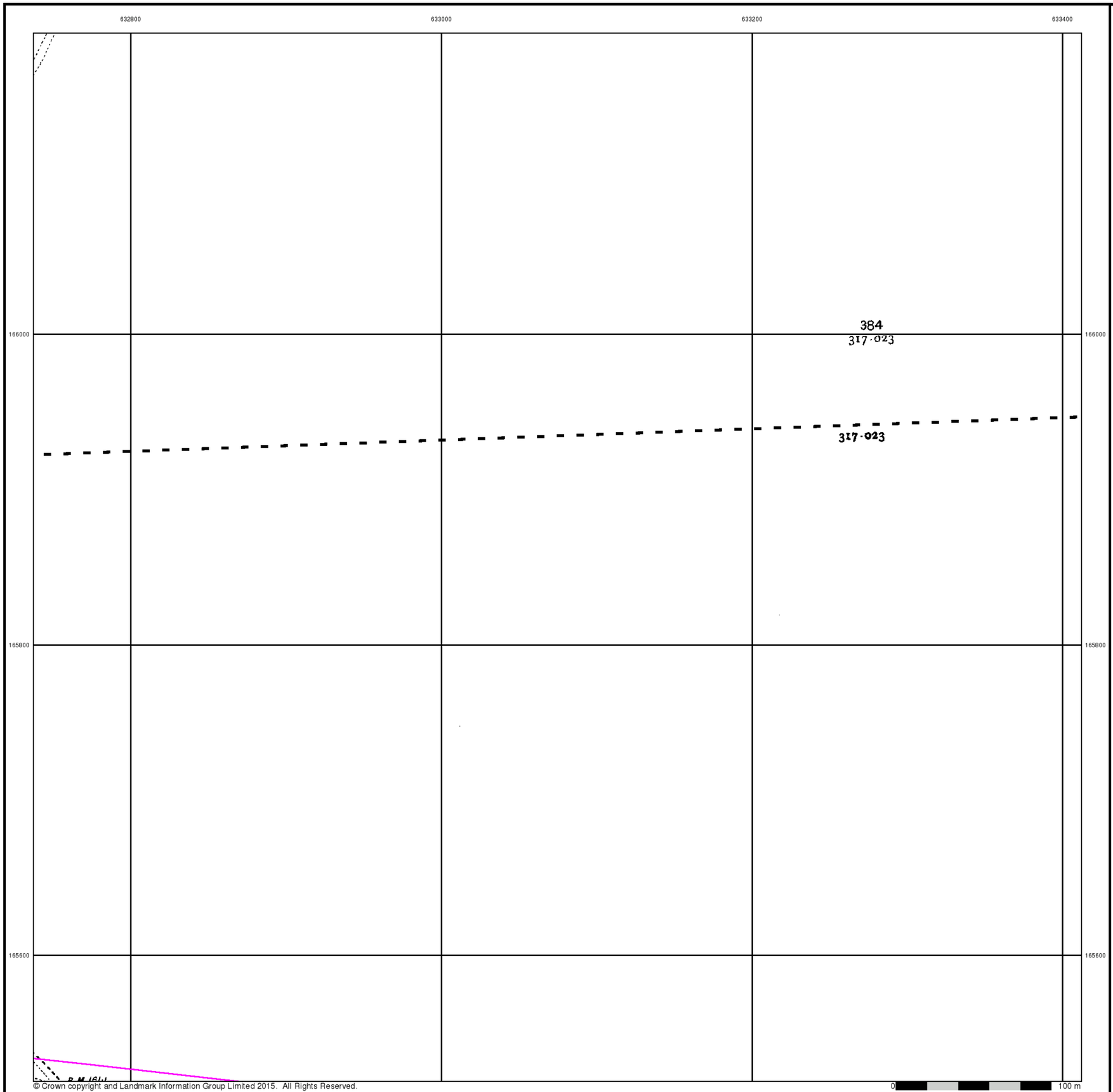

0 100 m

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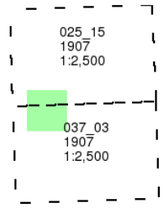
Kent

Published 1907

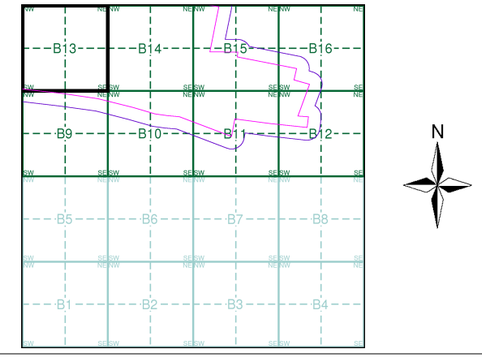
Source map scale - 1:2,500

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 B13



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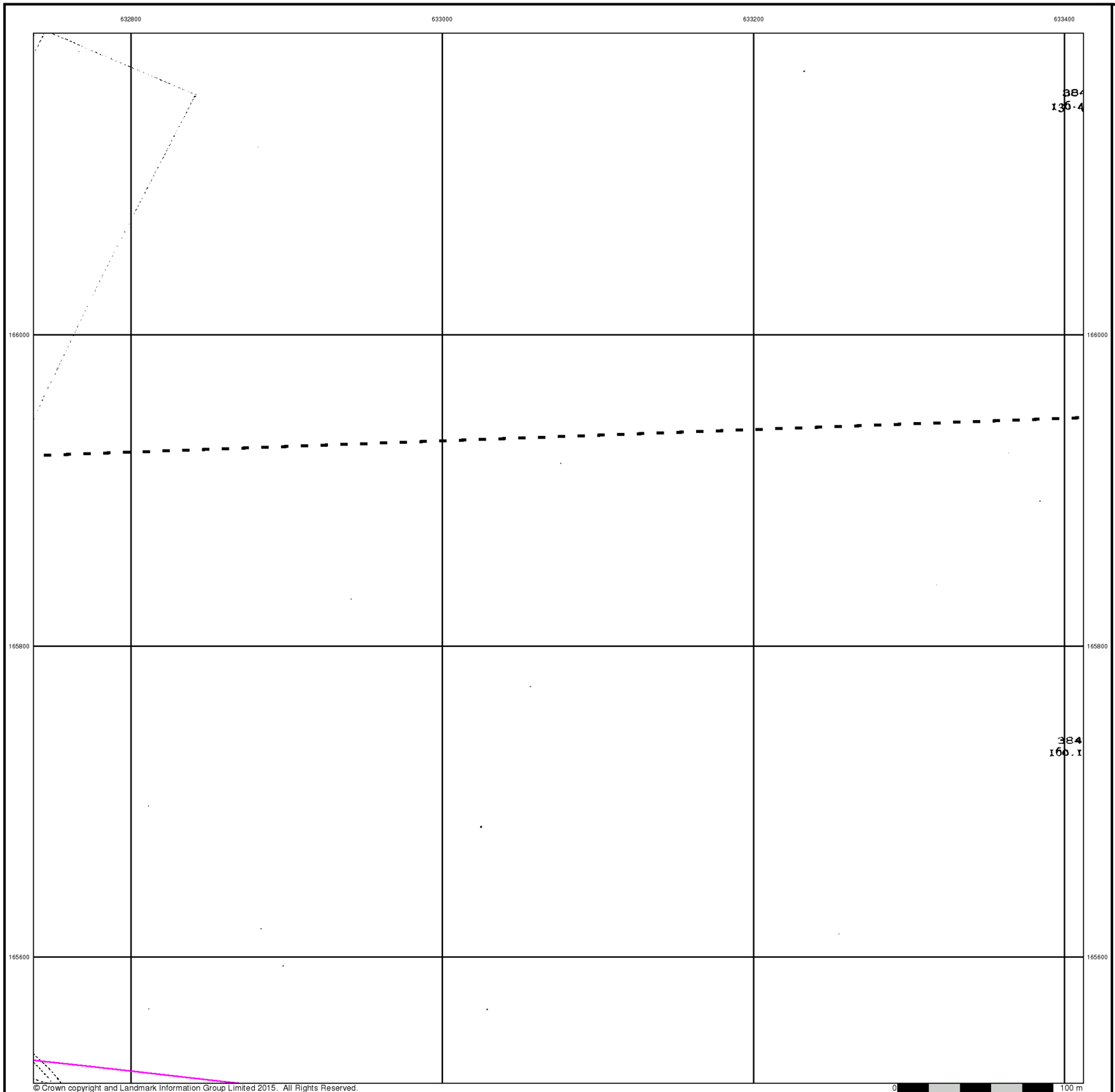


Envirocheck®

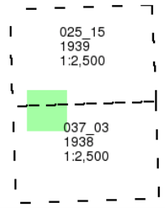
Kent

Published 1938 - 1939

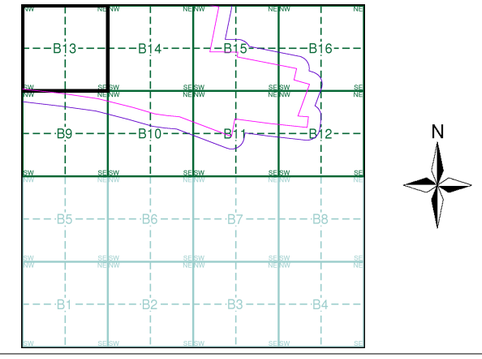
Source map scale - 1:2,500

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 B13



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Ordnance Survey Plan

Published 1963 - 1964

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.

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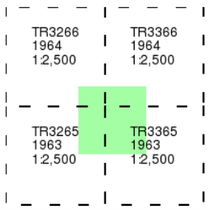
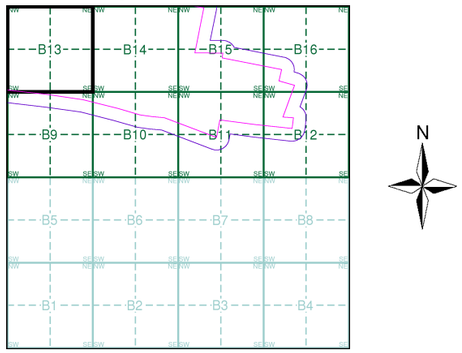


Historical Map - Segment B13



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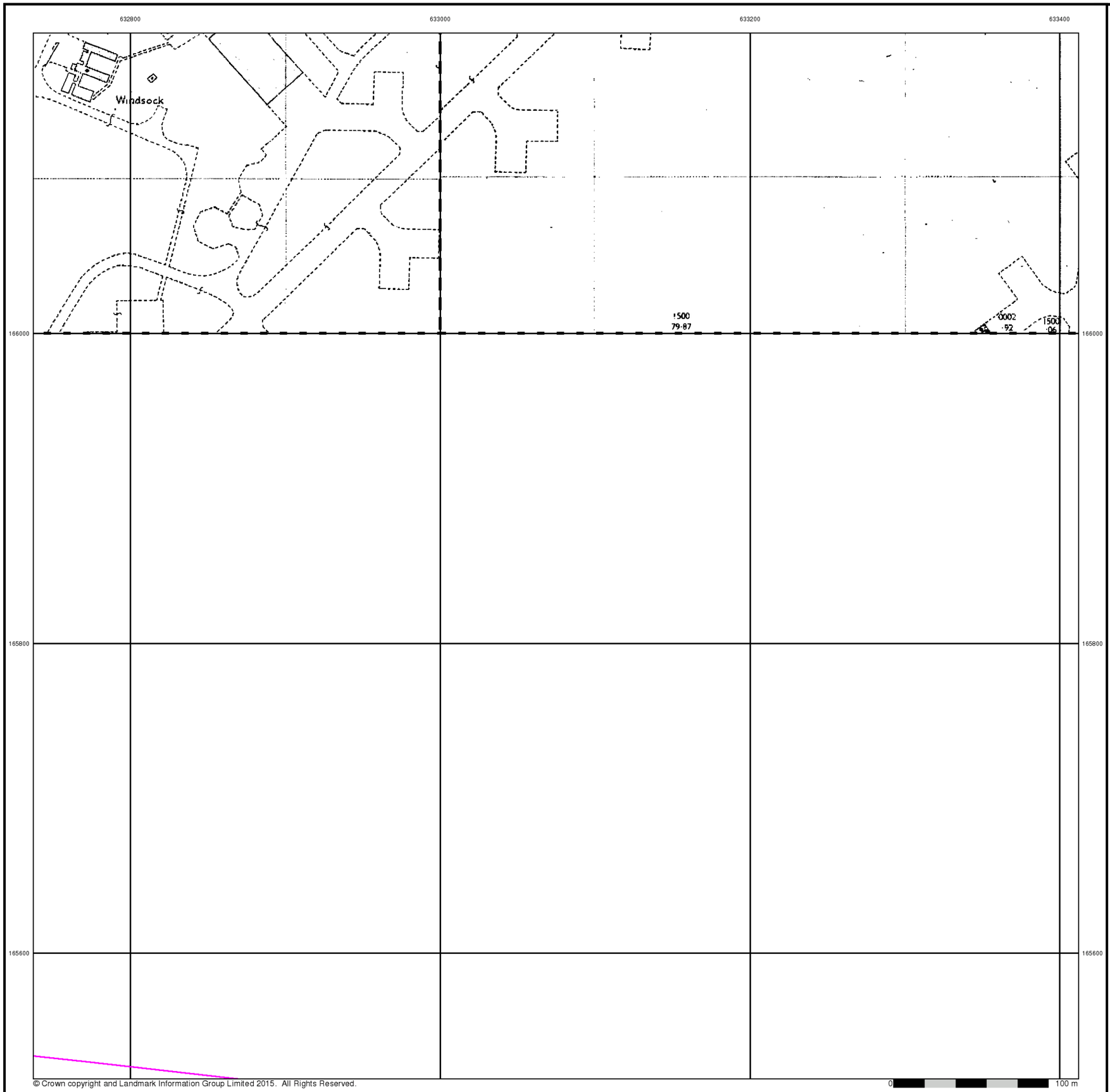

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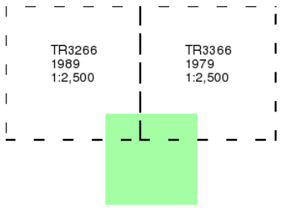
Additional SIMs

Published 1979 - 1989

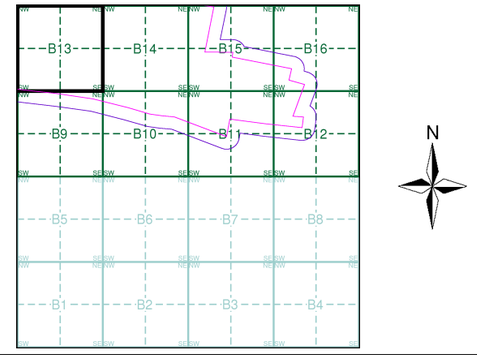
Source map scale - 1:2,500

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 B13



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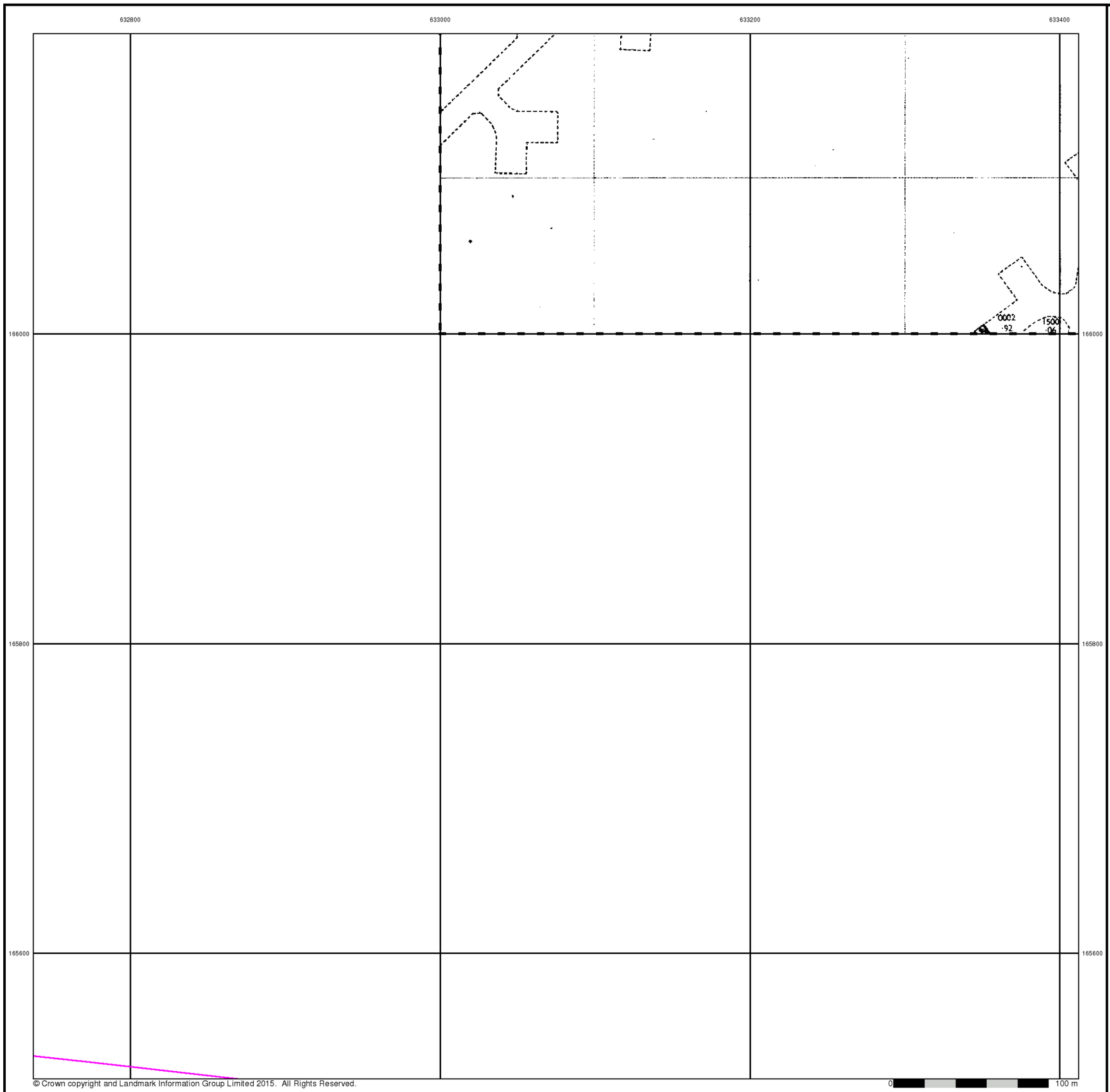

Envirocheck®

Additional SIMs

Published 1989

Source map scale - 1:2,500

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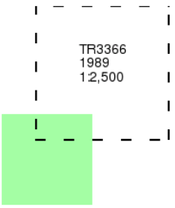
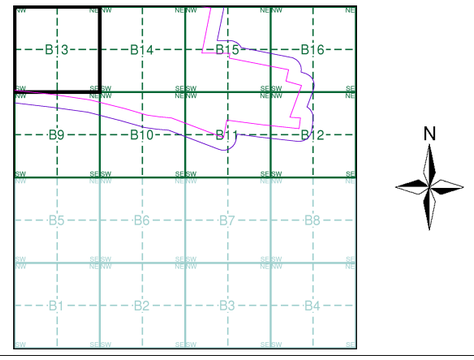


Historical Map - Segment B13



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Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

Tel: 0844 844 9952
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Envirocheck®

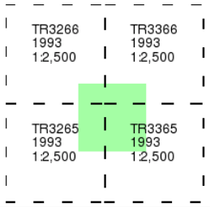
Large-Scale National Grid Data

Published 1993

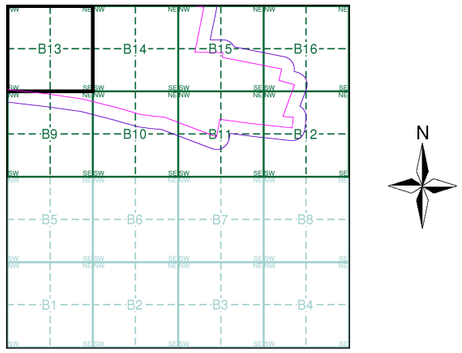
Source map scale - 1:2,500

'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)



Historical Map - Segment B13



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Published 1995

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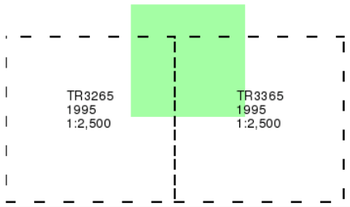
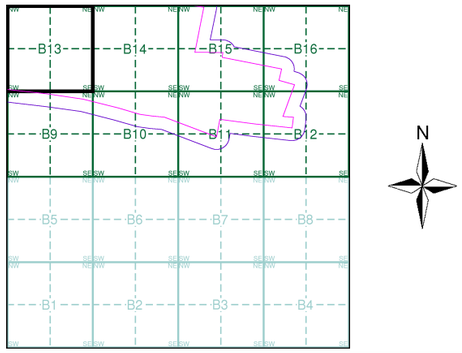


Historical Map - Segment B13



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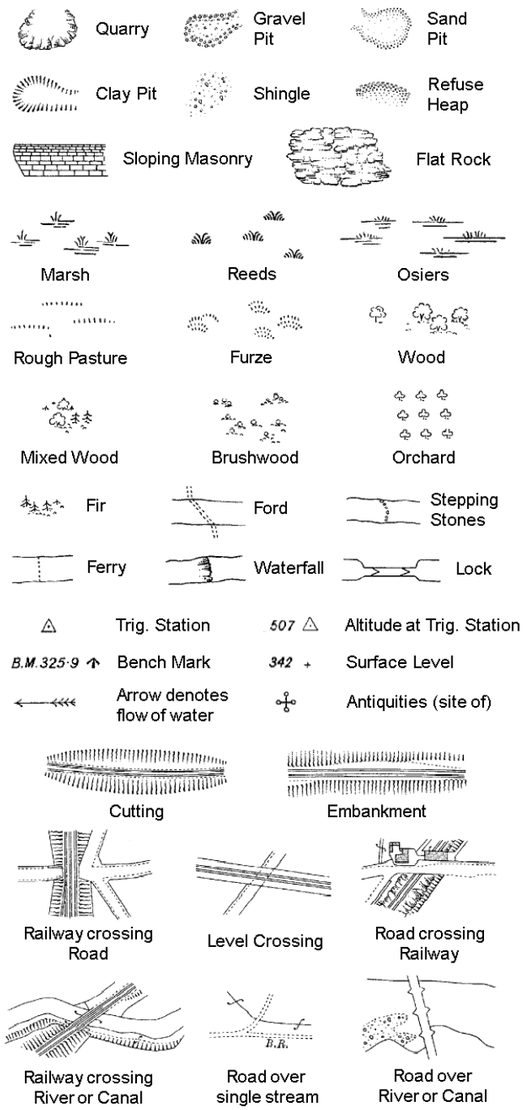
Historical Mapping Legends

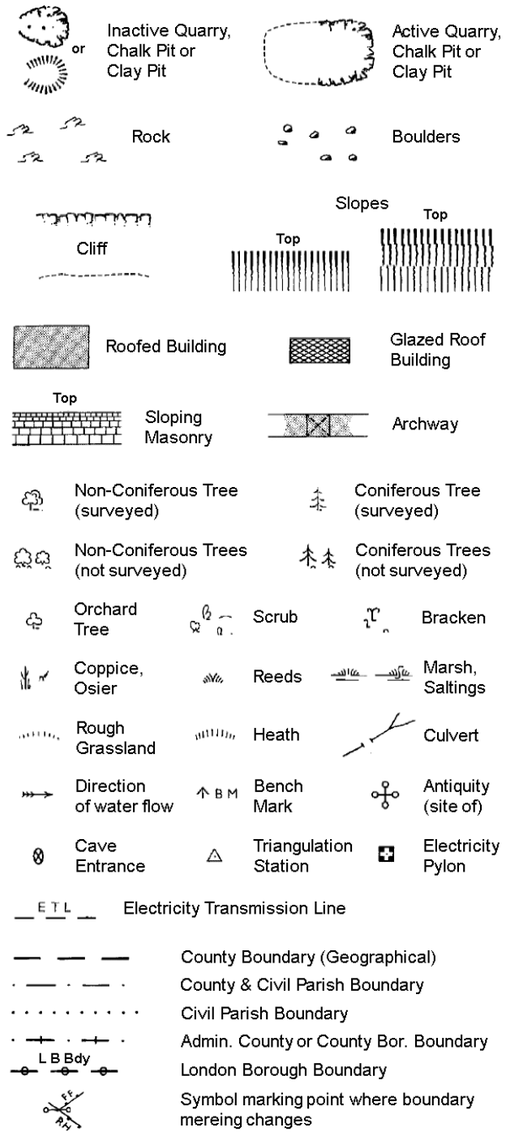
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	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

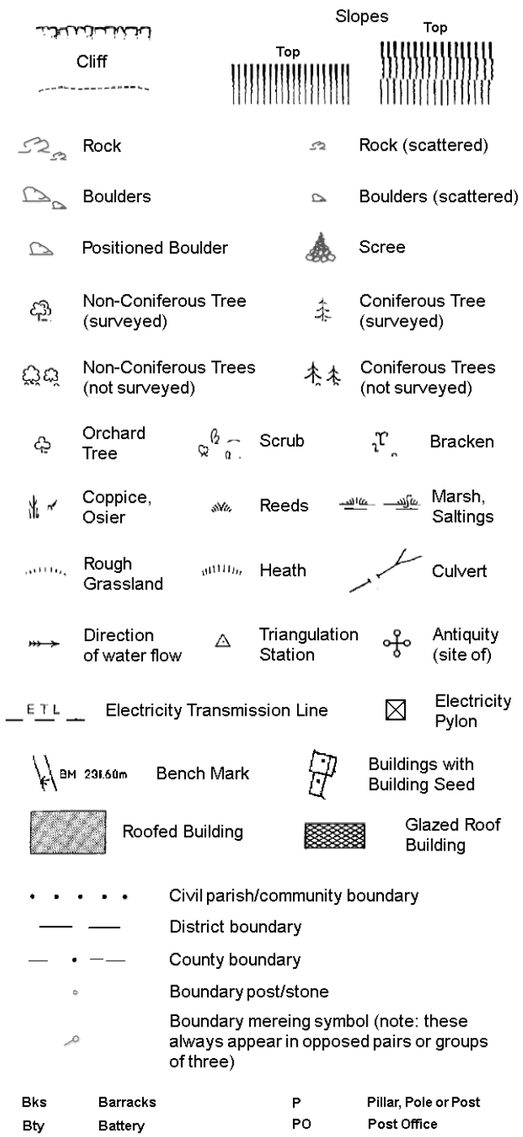
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy 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
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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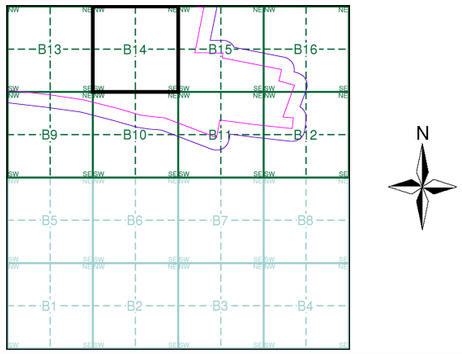
Historical Mapping & Photography included:

Historical Map - Segment B14



Order Details

Order Number:	82787389_1_1
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Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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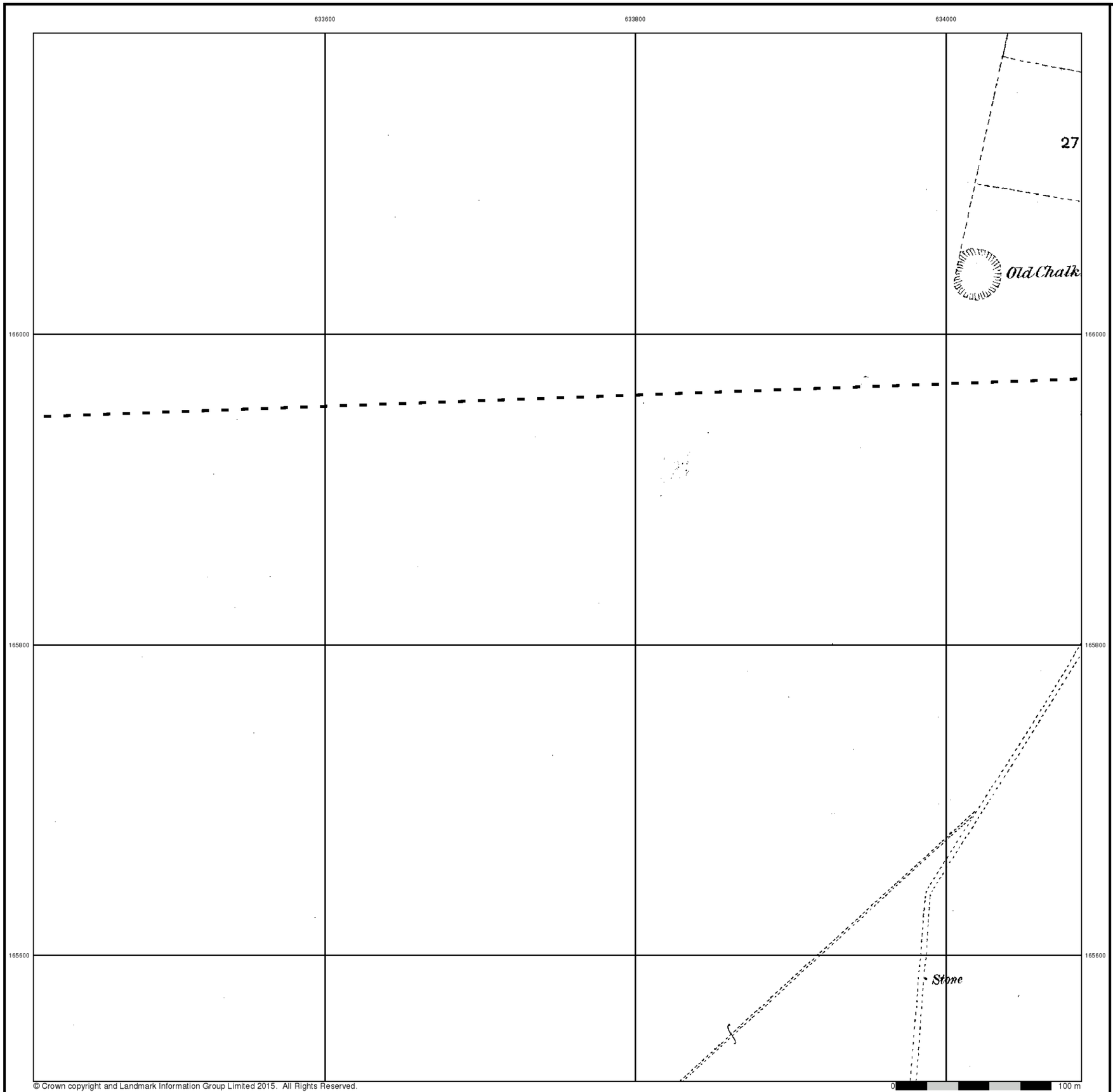

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Kent

Published 1873 - 1894

Source map scale - 1:2,500

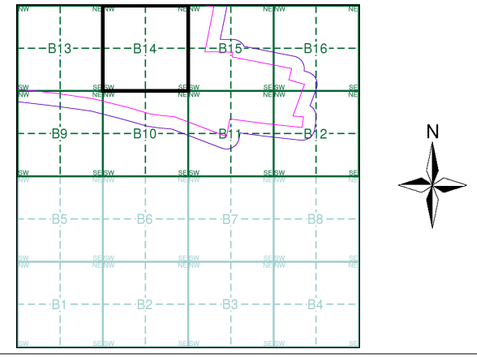
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

025_15
1894
1:2,500

037_03
1873
1:2,500

Historical Map - Segment B14



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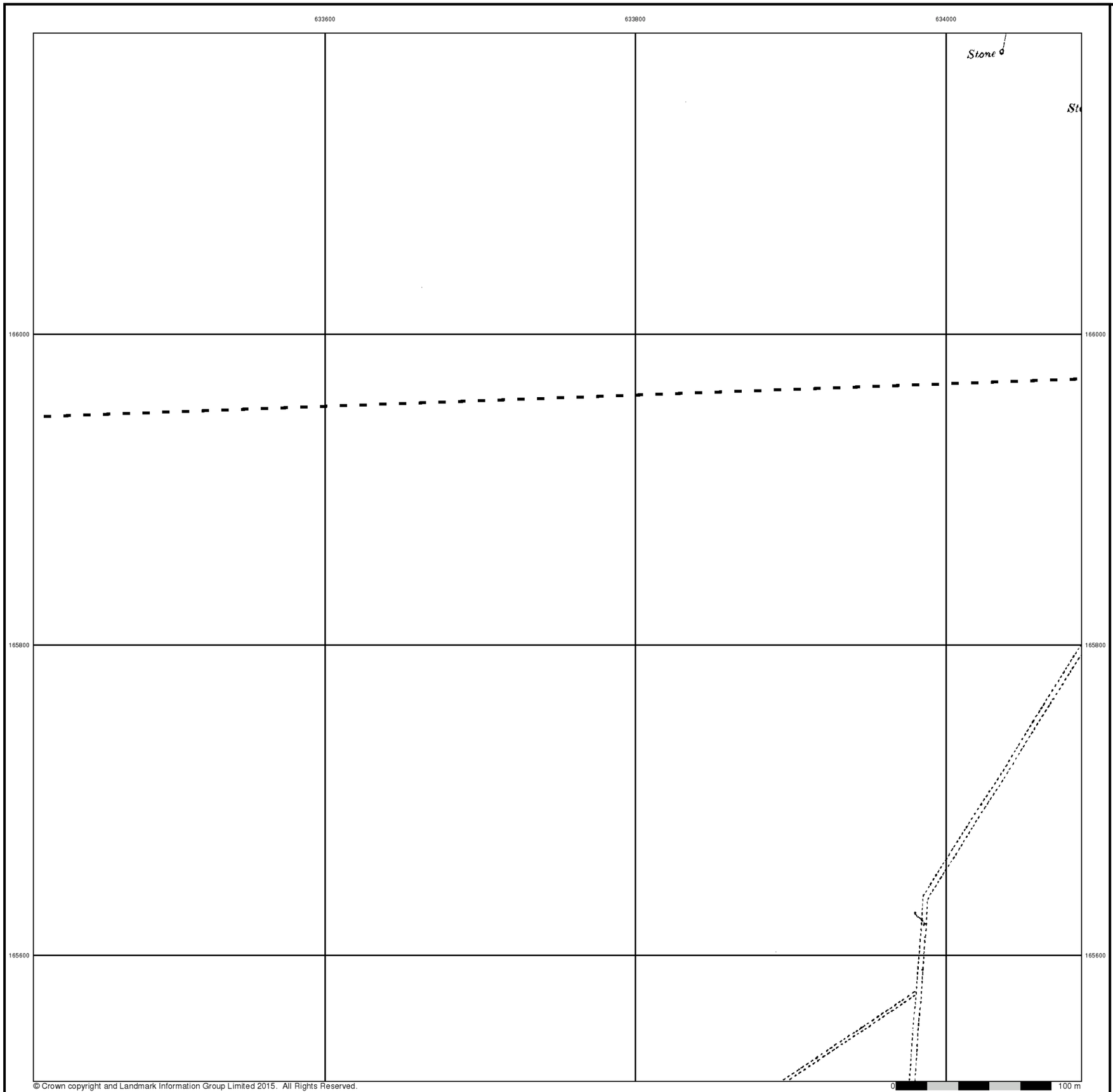


Envirocheck®

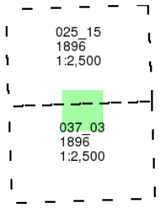
Kent

Published 1896

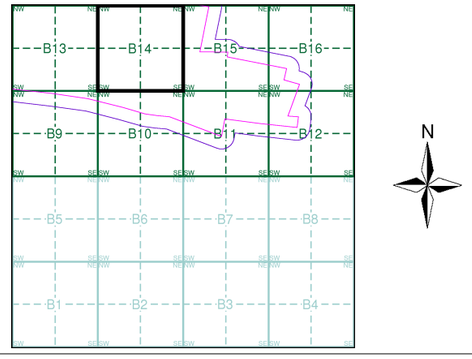
Source map scale - 1:2,500

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 B14



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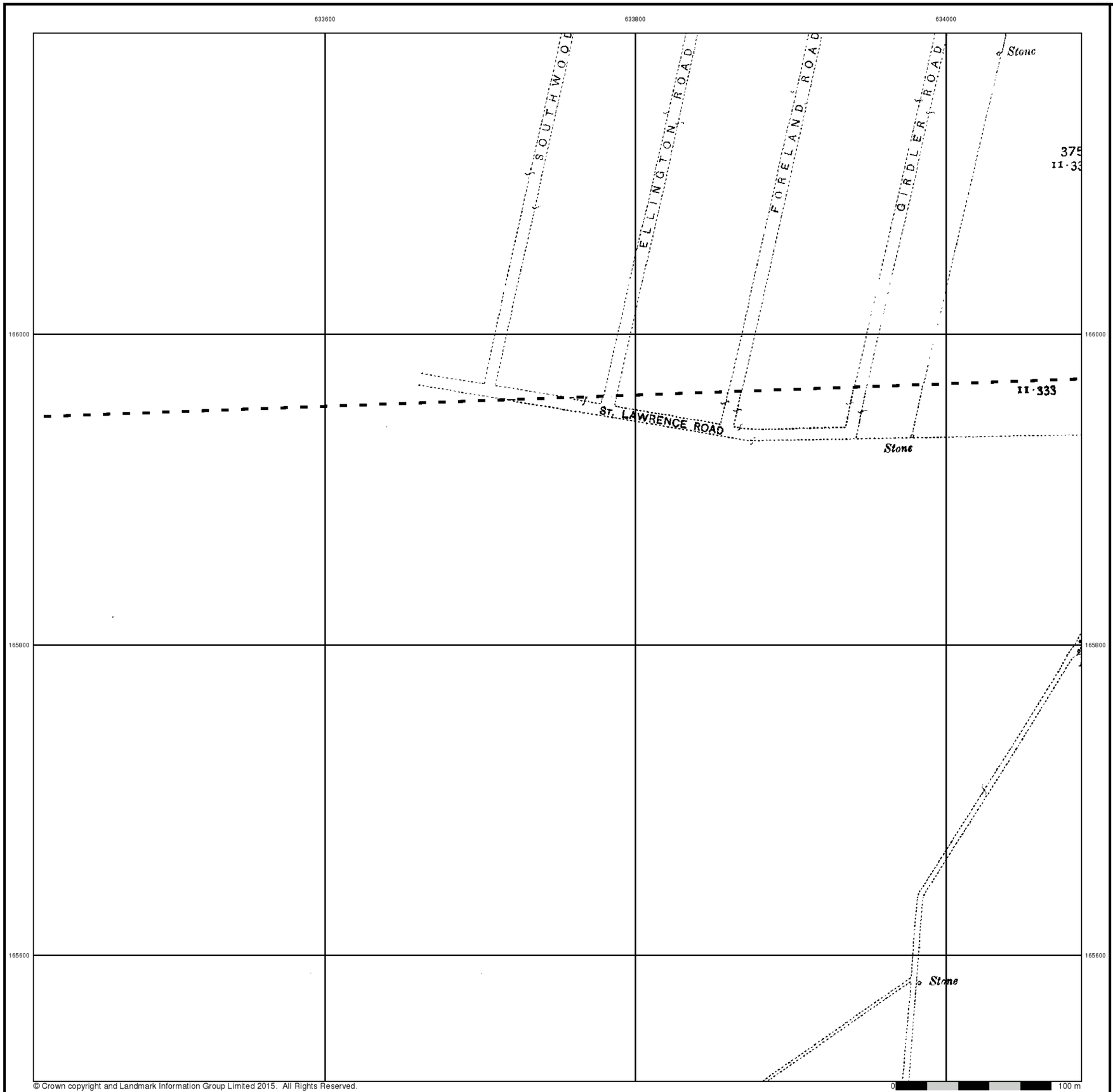


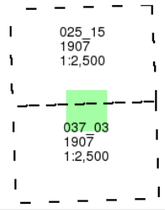
Kent

Published 1907

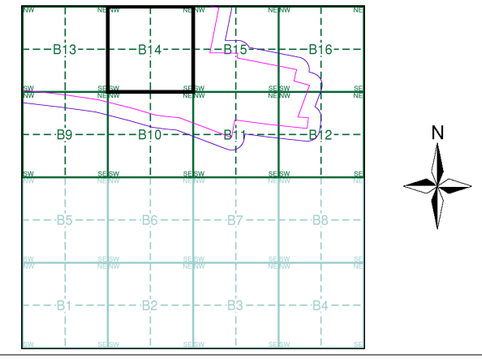
Source map scale - 1:2,500

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 B14



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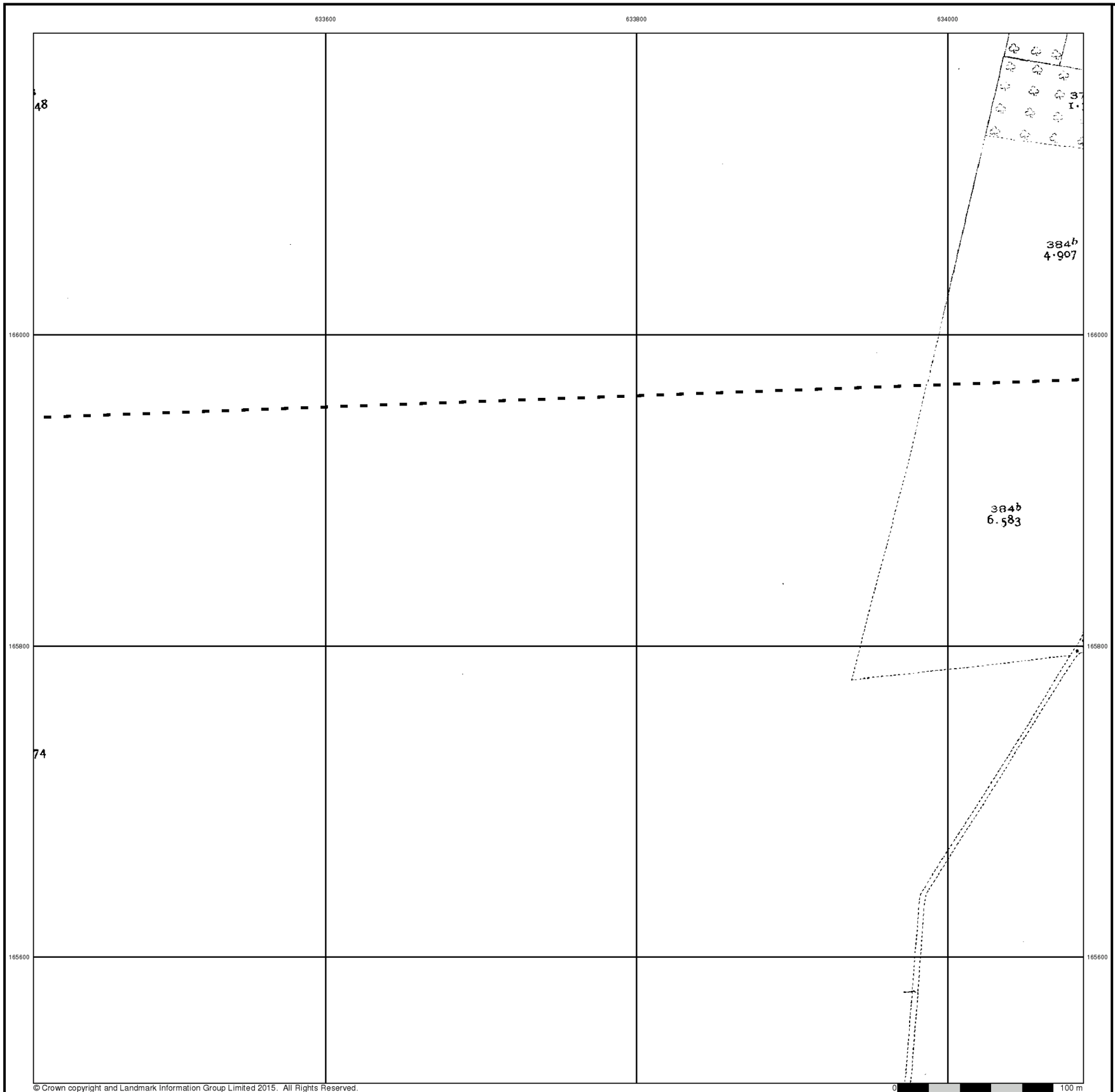

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Kent

Published 1938 - 1939

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.

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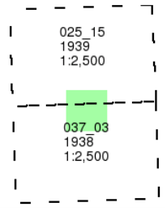
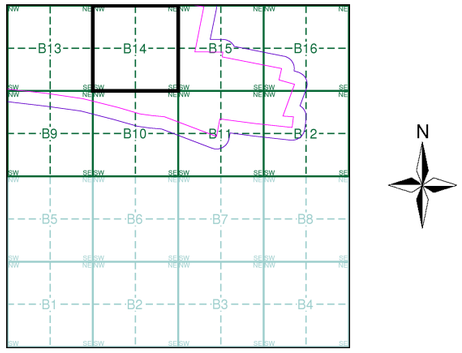


Historical Map - Segment B14



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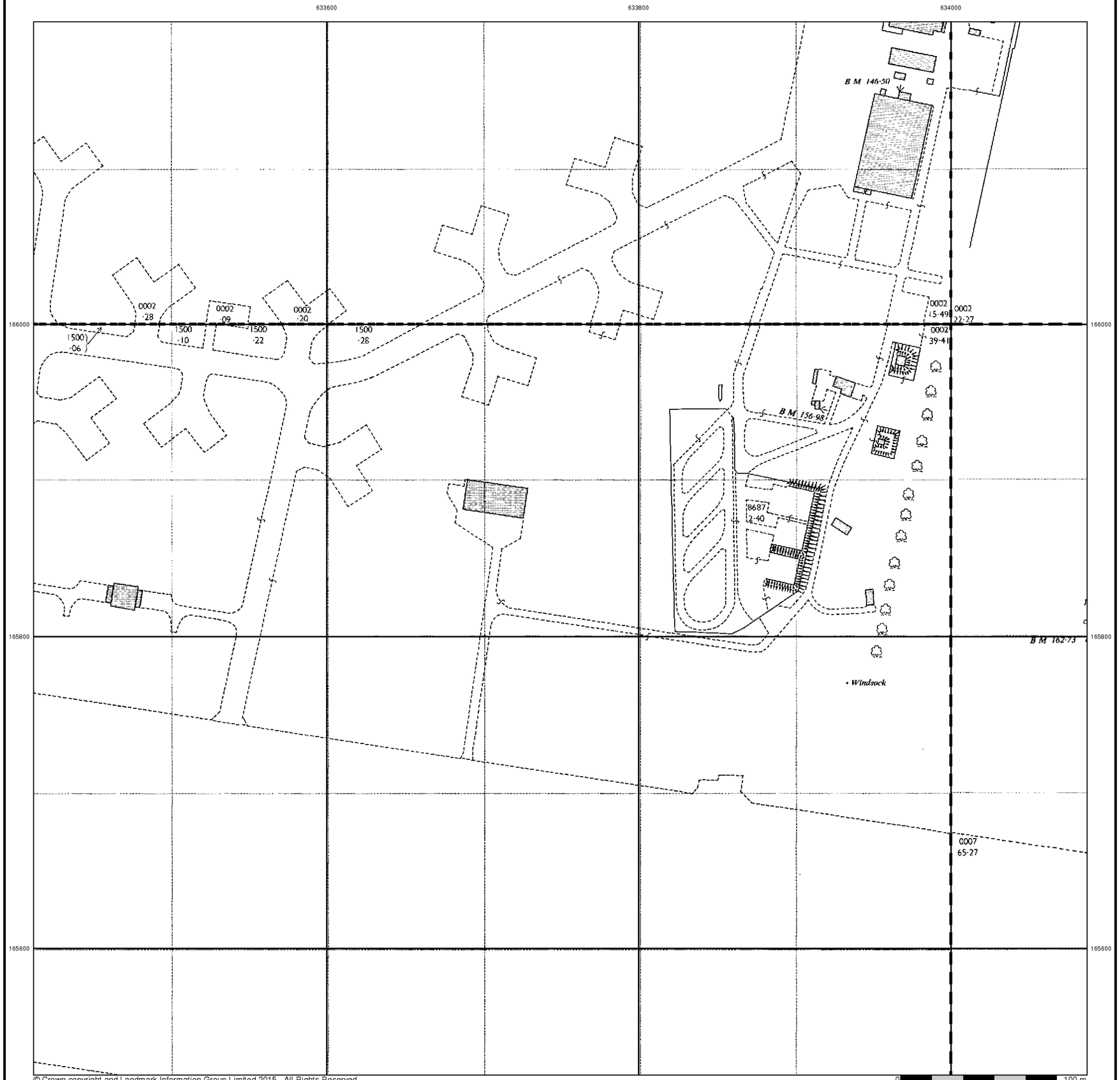

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Ordnance Survey Plan

Published 1963 - 1964

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.

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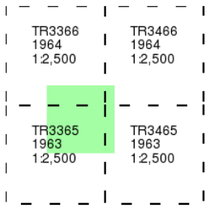
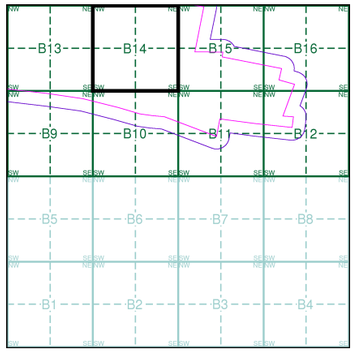


Historical Map - Segment B14



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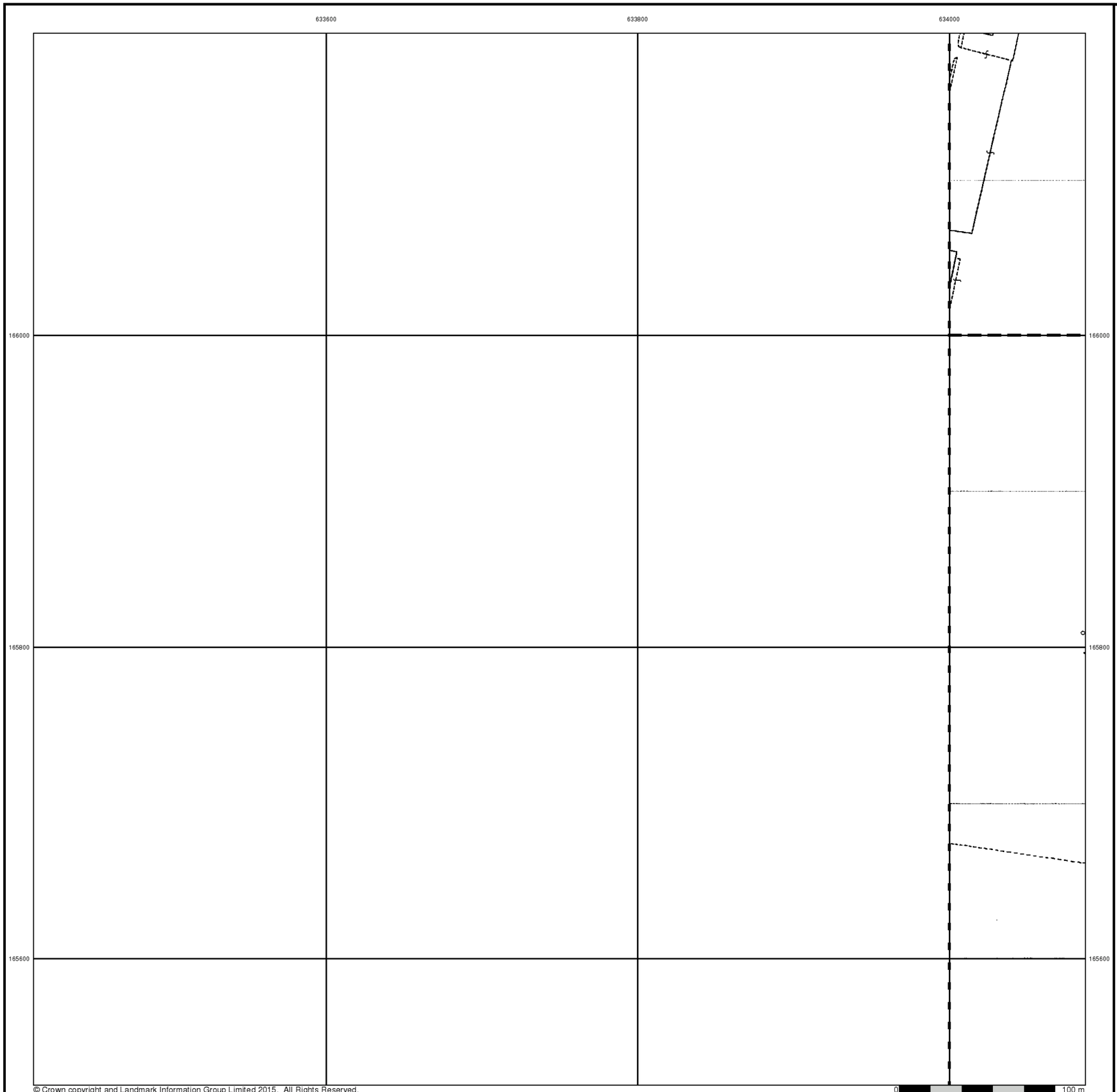

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Ordnance Survey Plan

Published 1977 - 1981

Source map scale - 1:2,500

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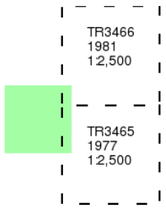
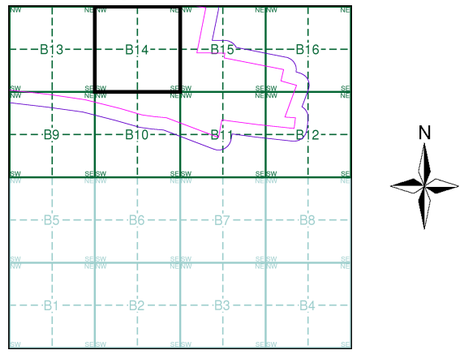


Historical Map - Segment B14



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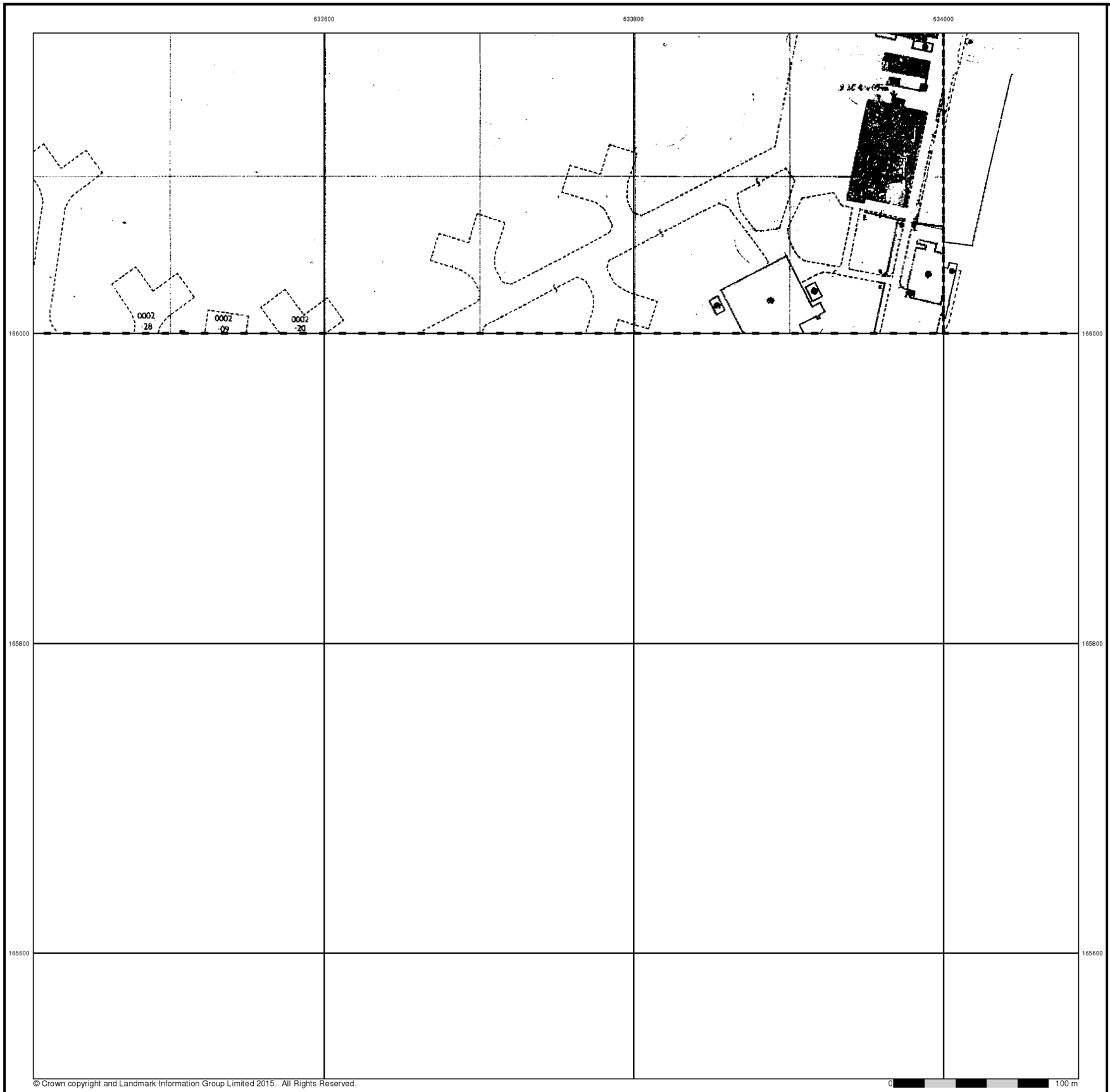

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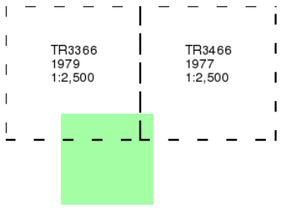
Additional SIMs

Published 1977 - 1979

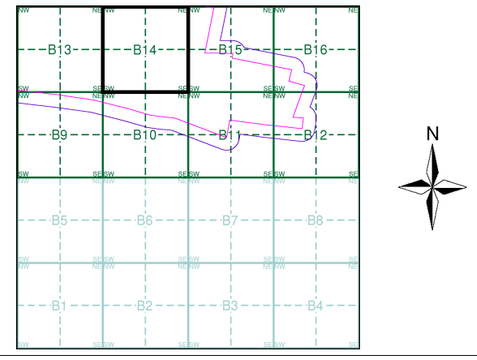
Source map scale - 1:2,500

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 B14



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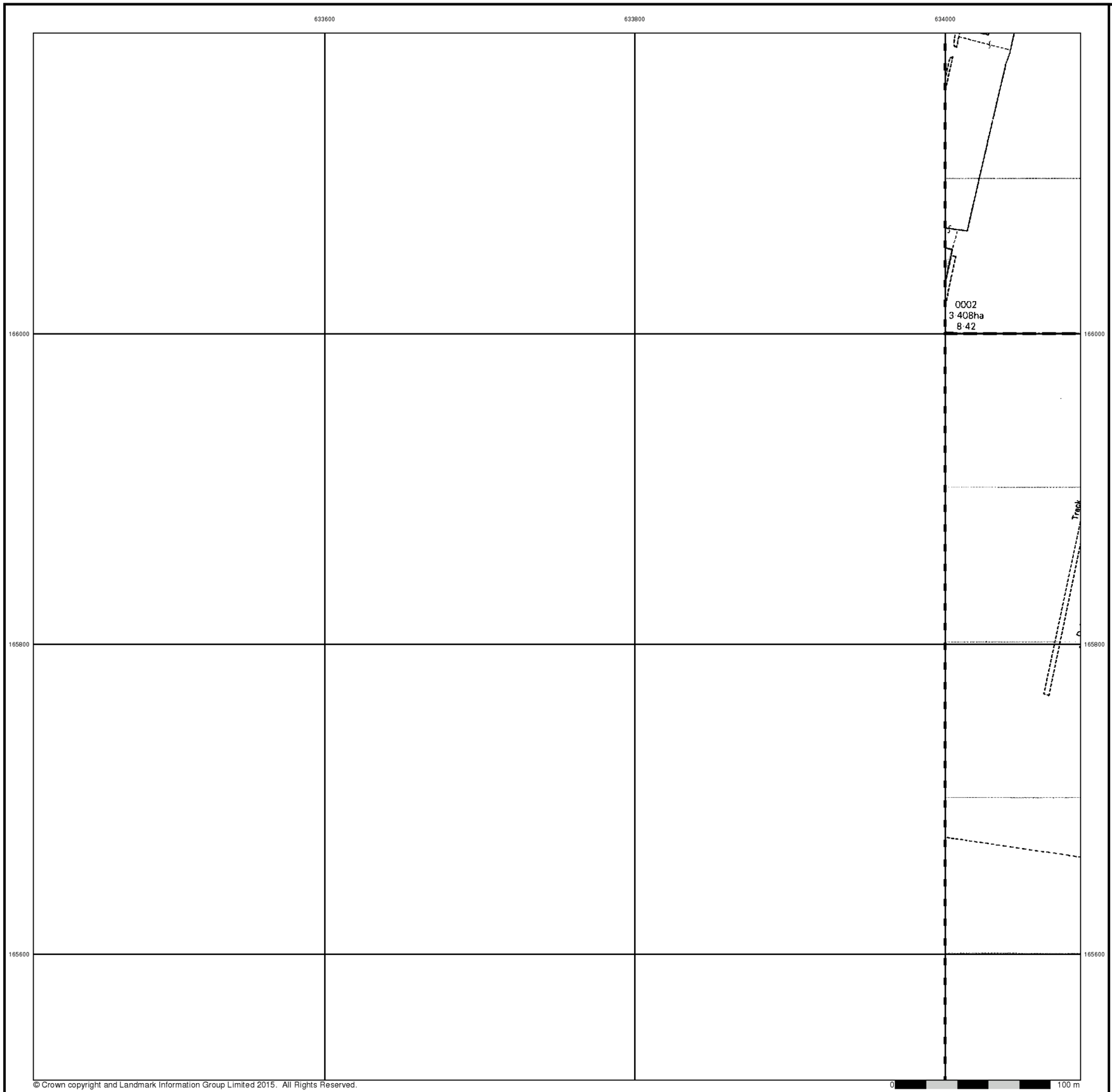

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Ordnance Survey Plan

Published 1984 - 1985

Source map scale - 1:2,500

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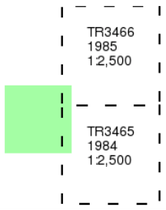
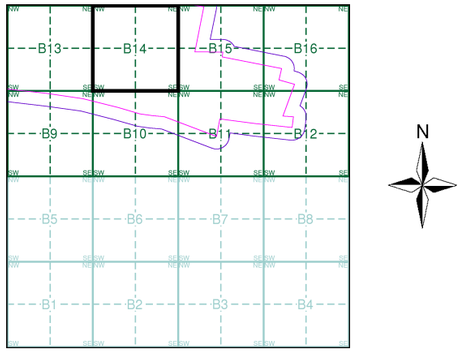


Historical Map - Segment B14



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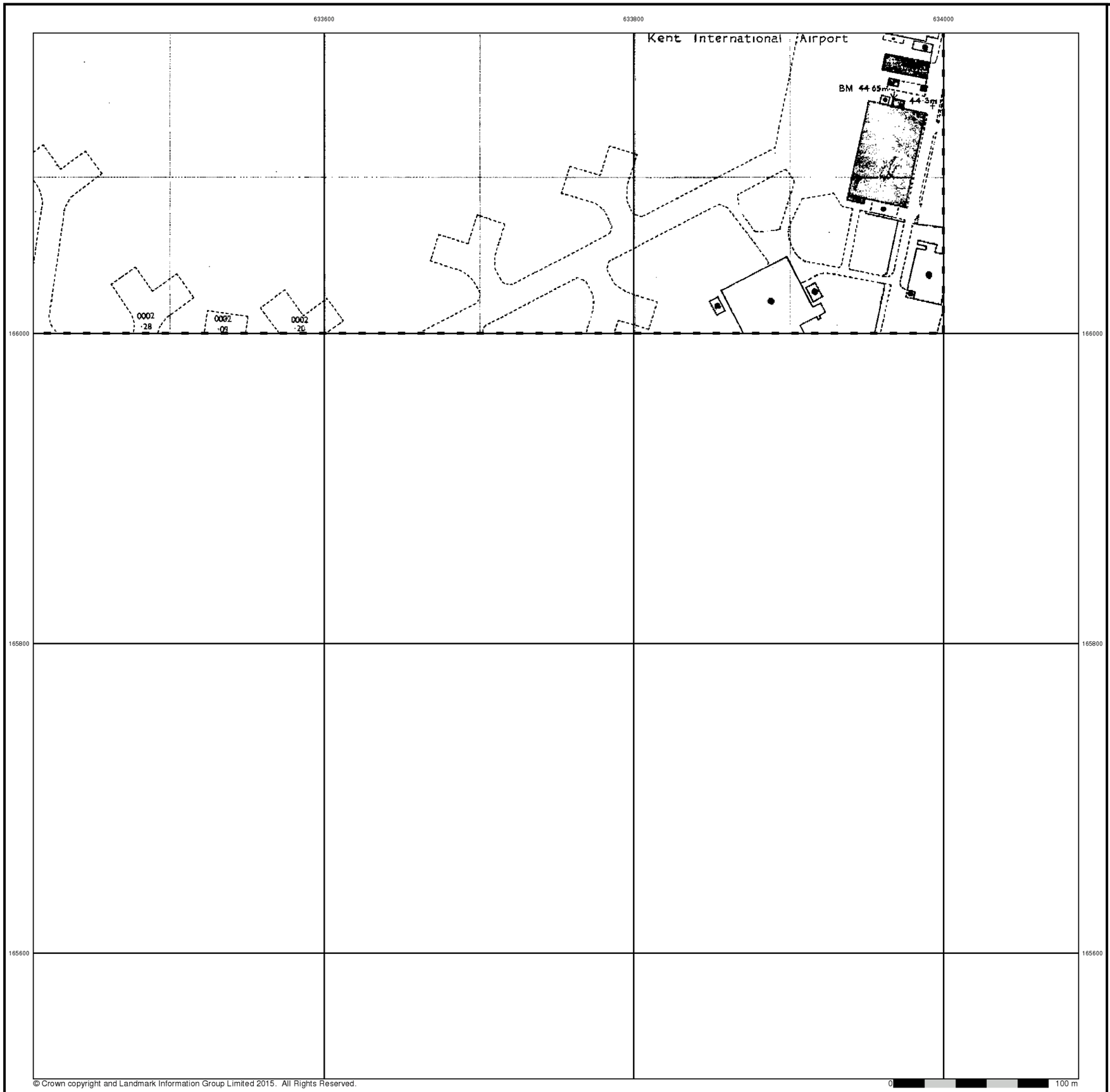
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

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



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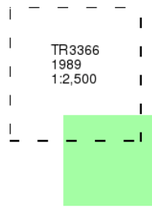
Additional SIMs

Published 1989

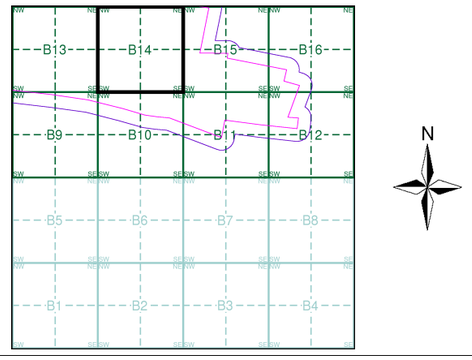
Source map scale - 1:2,500

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 B14



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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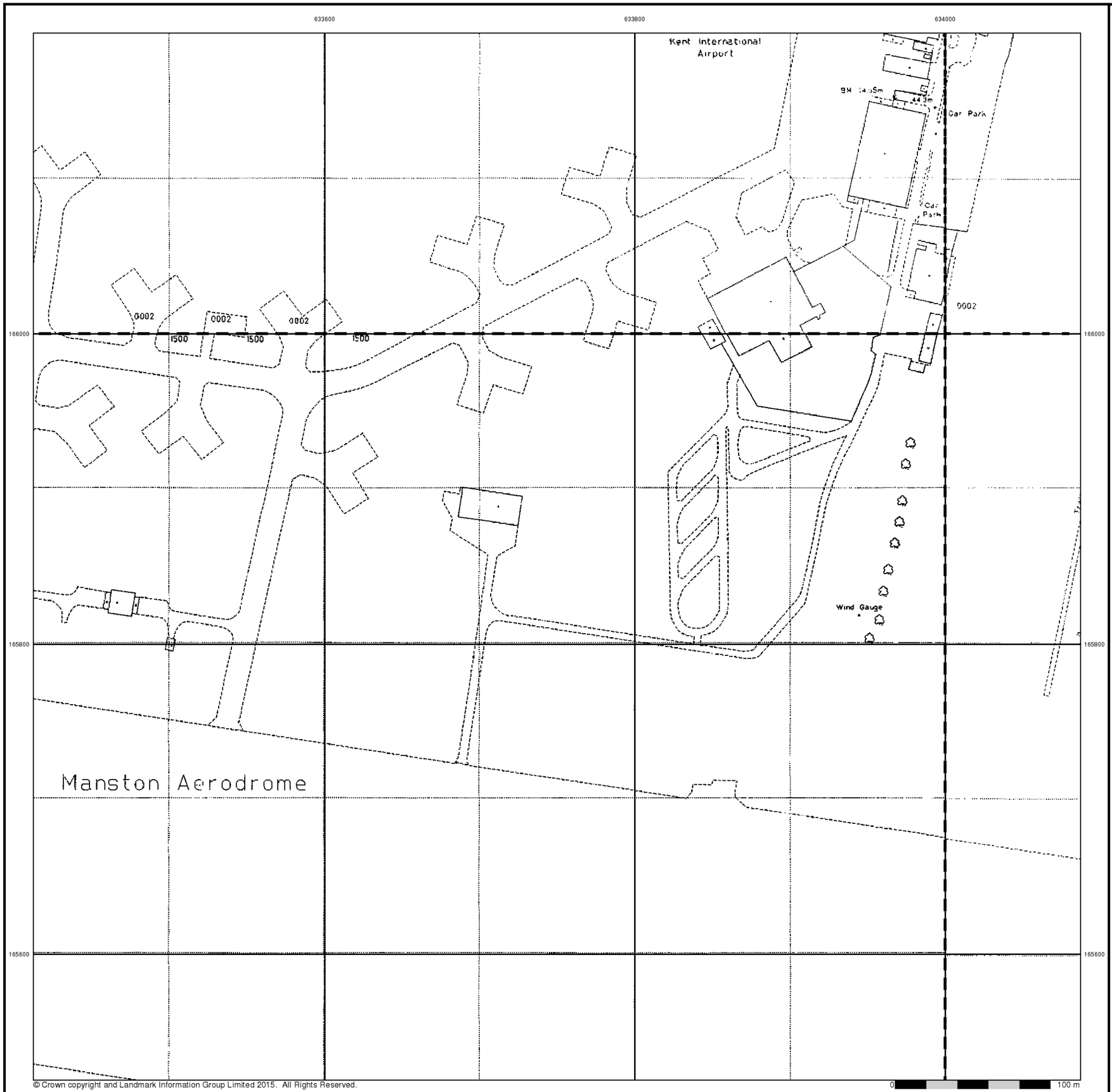


Envirocheck®

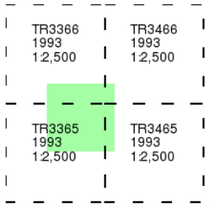
Large-Scale National Grid Data

Published 1993

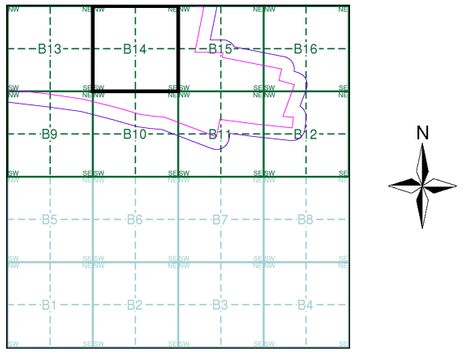
Source map scale - 1:2,500

'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)



Historical Map - Segment B14



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

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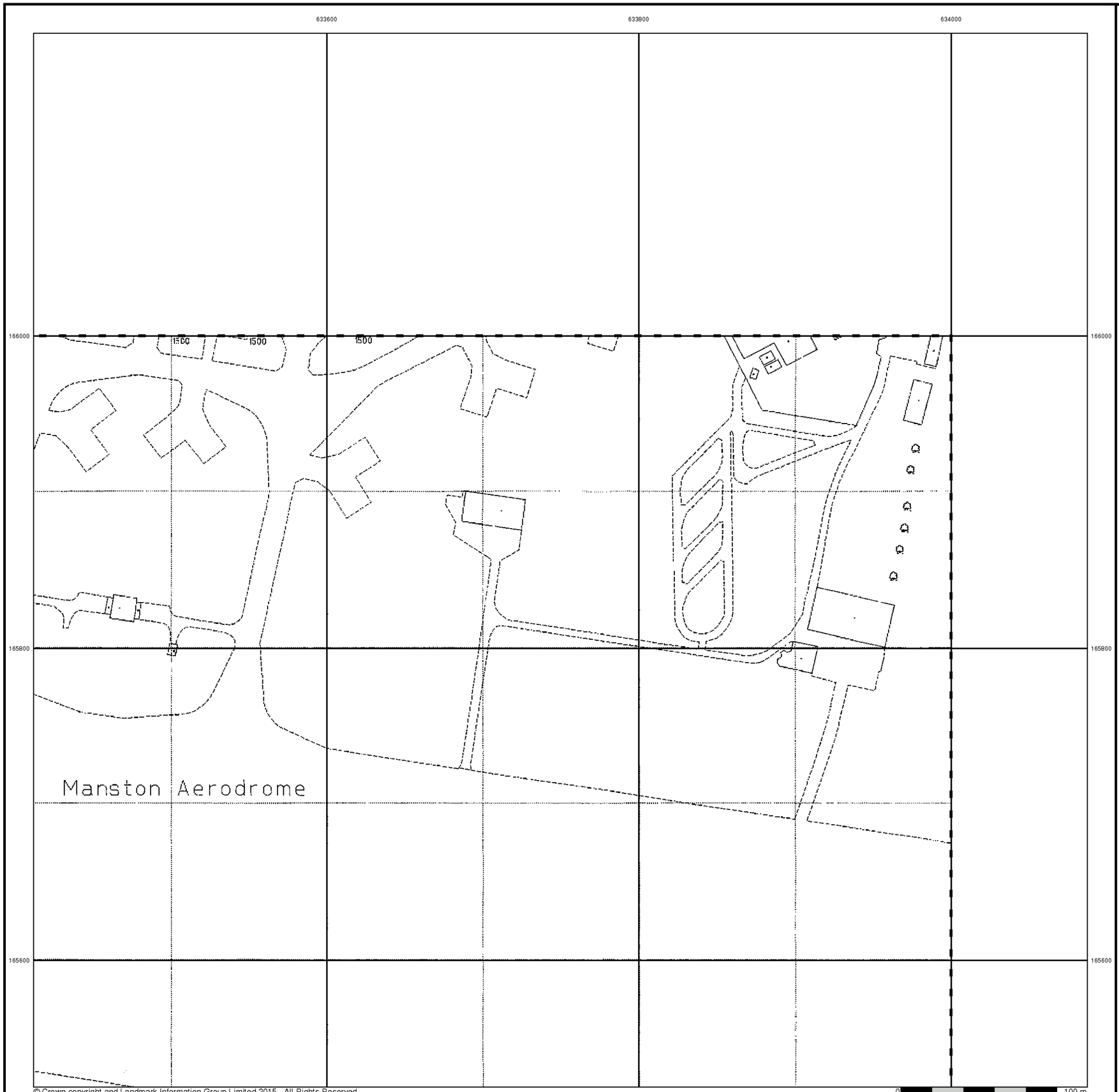


Envirocheck®

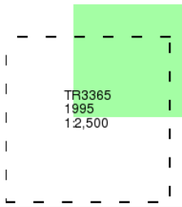
Large-Scale National Grid Data

Published 1995

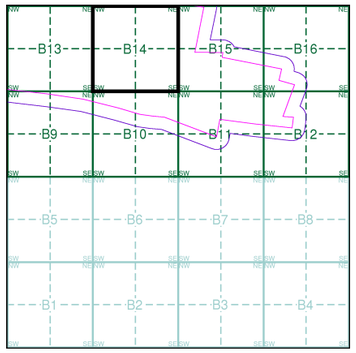
Source map scale - 1:2,500

'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 B14



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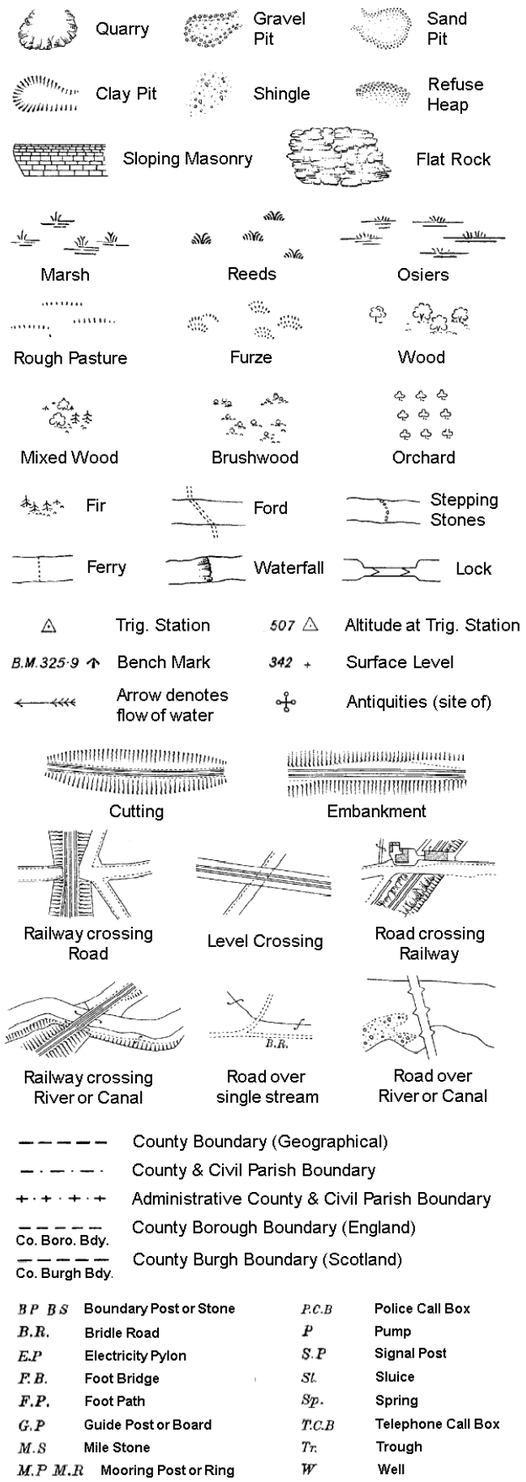
Historical Mapping Legends

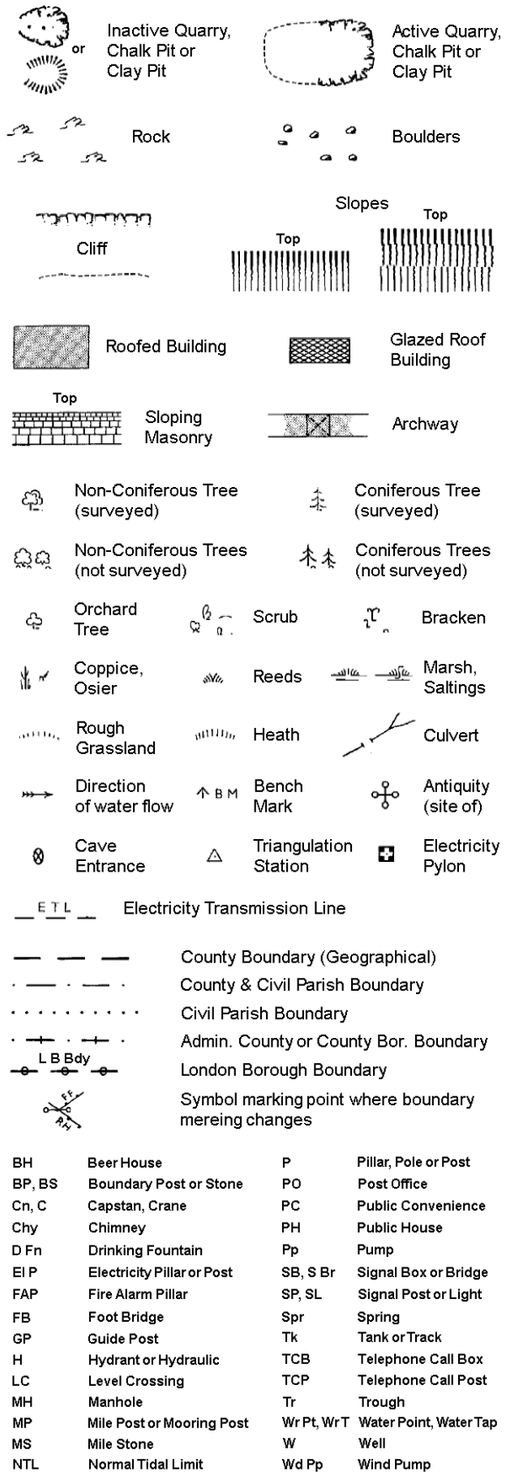
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	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

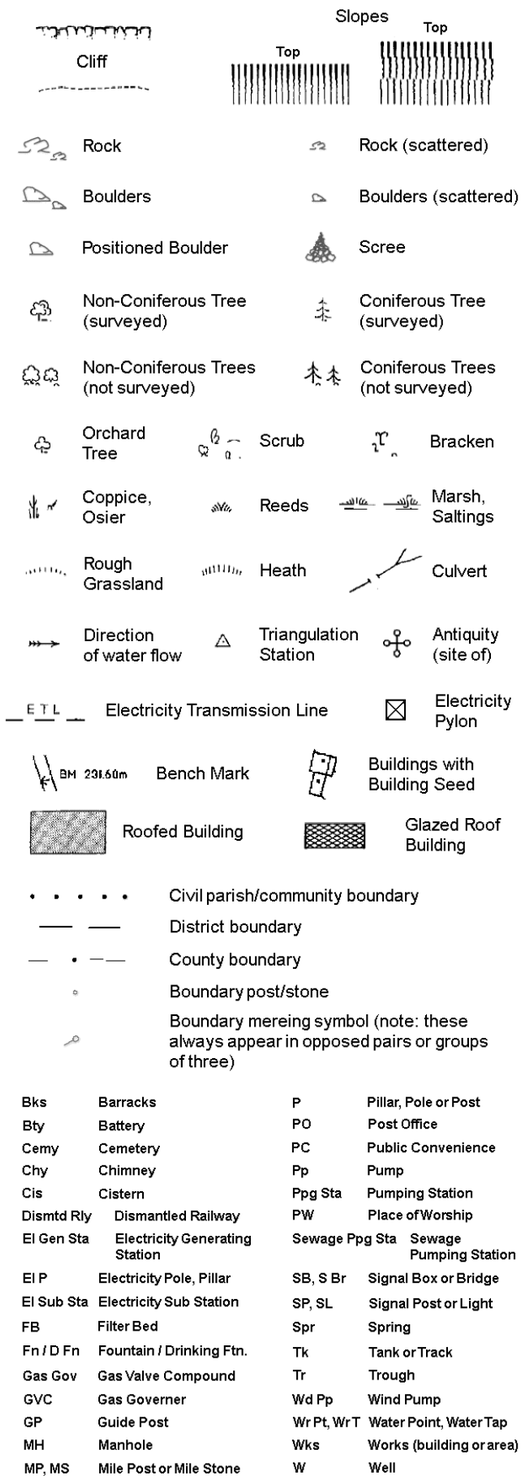
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy 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
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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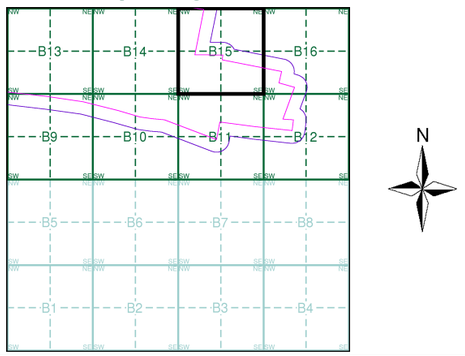
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1873 - 1894	2
Kent	1:2,500	1896	3
Kent	1:2,500	1907	4
Kent	1:2,500	1938 - 1939	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Ordnance Survey Plan	1:2,500	1977 - 1981	7
Additional SIMs	1:2,500	1977	8
Ordnance Survey Plan	1:2,500	1984 - 1985	9
Large-Scale National Grid Data	1:2,500	1993	10

Historical Map - Segment B15



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
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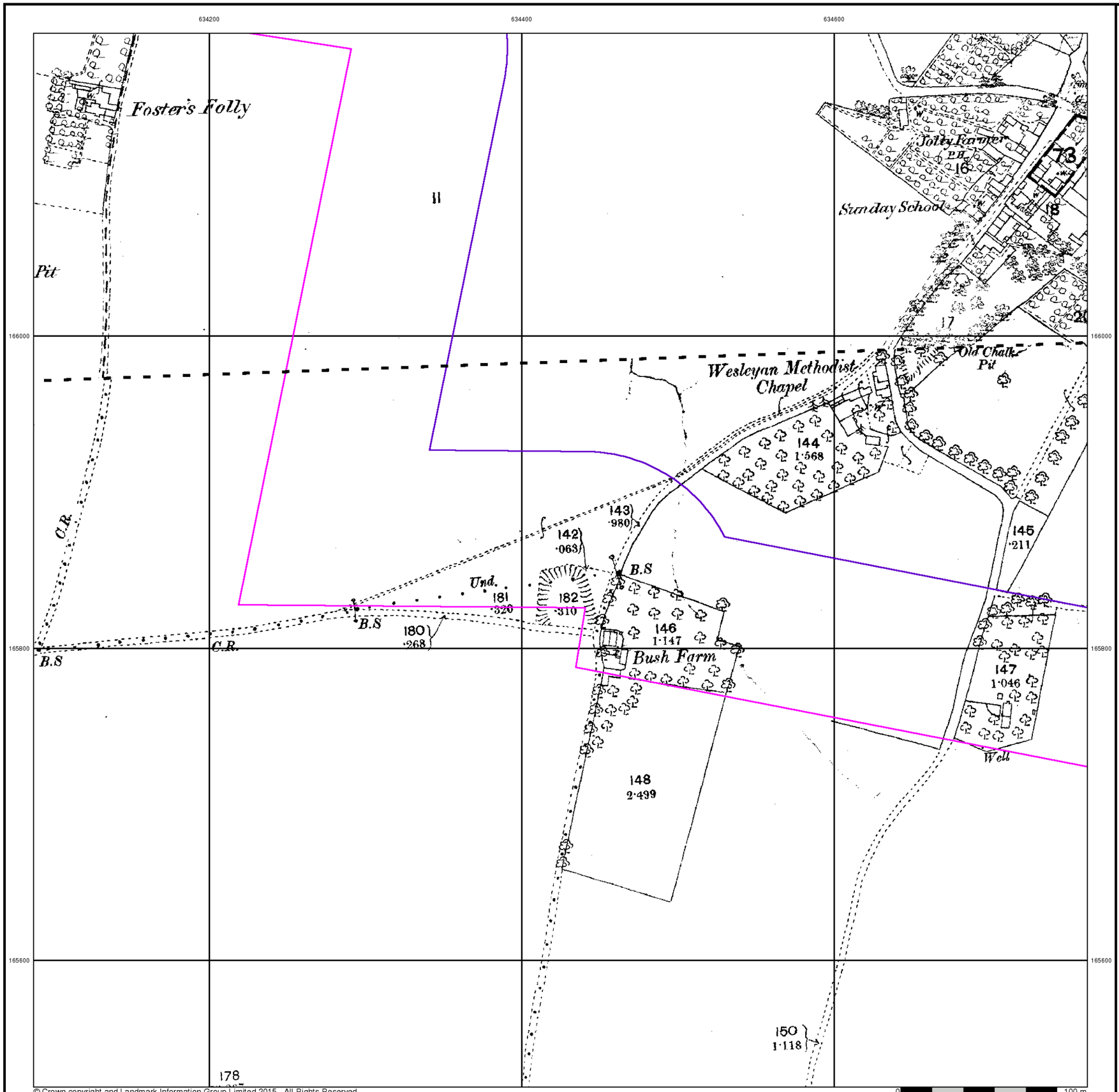

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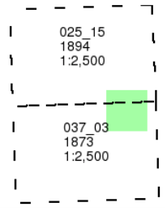
Kent

Published 1873 - 1894

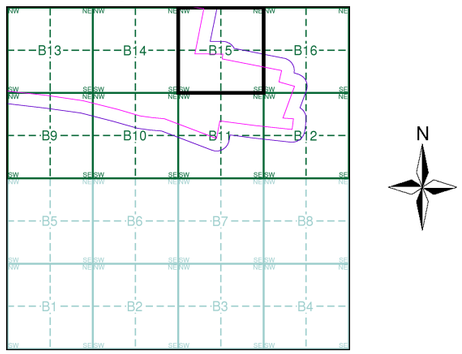
Source map scale - 1:2,500

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 B15



Order Details

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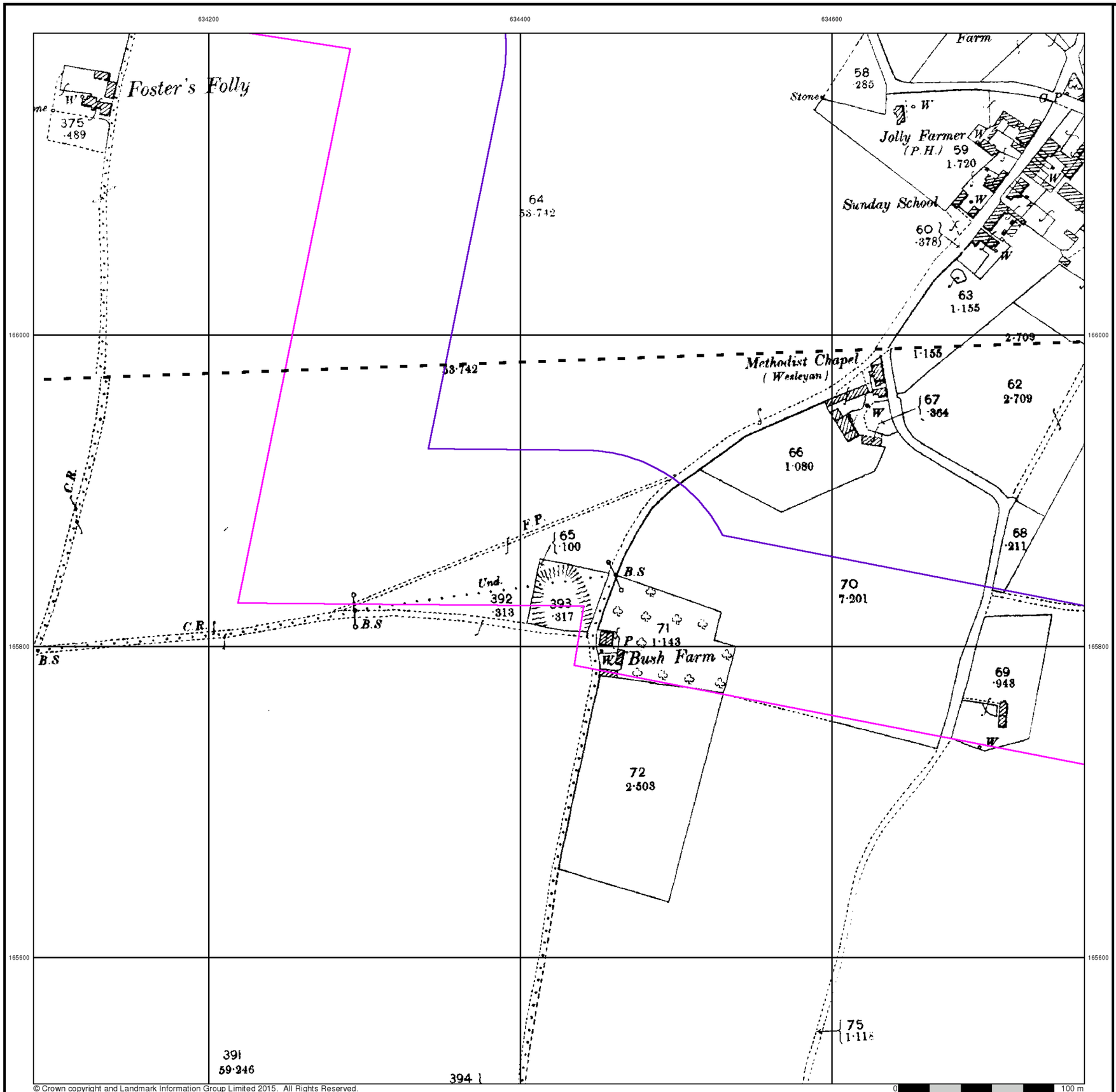


Envirocheck®

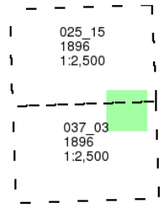
Kent

Published 1896

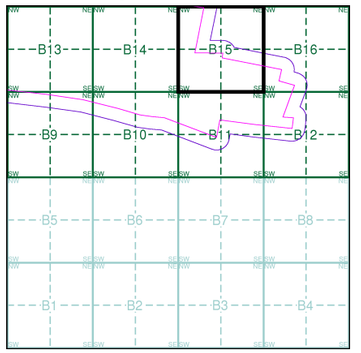
Source map scale - 1:2,500

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 B15



Order Details

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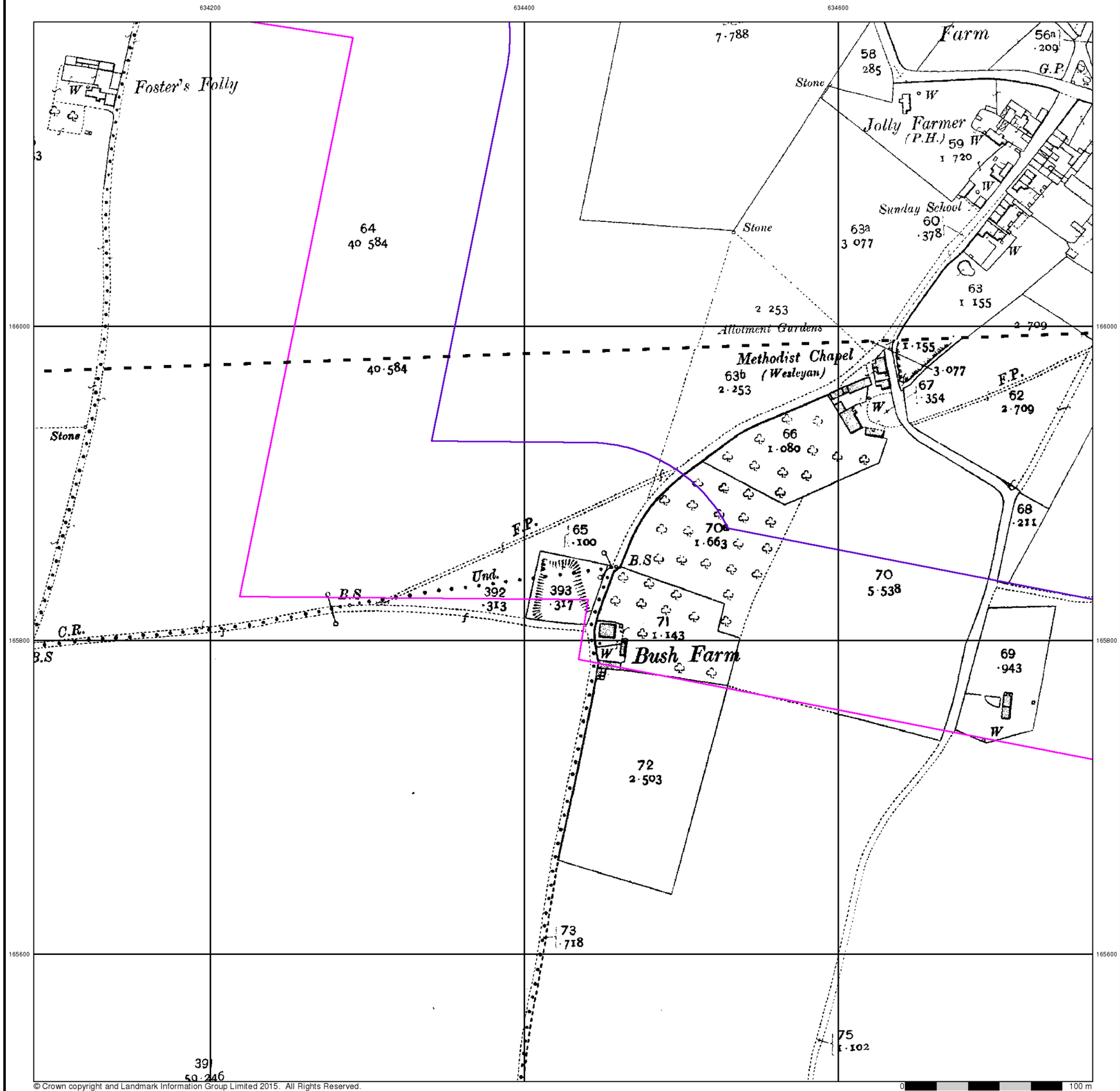

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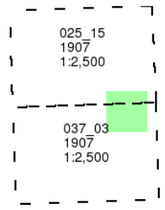
Kent

Published 1907

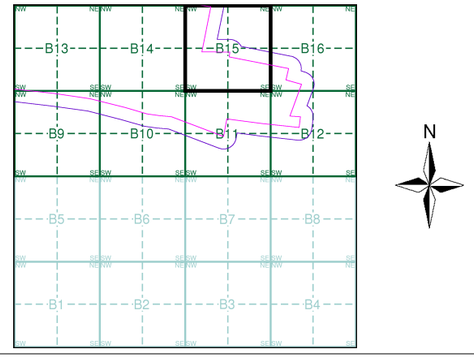
Source map scale - 1:2,500

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 B15



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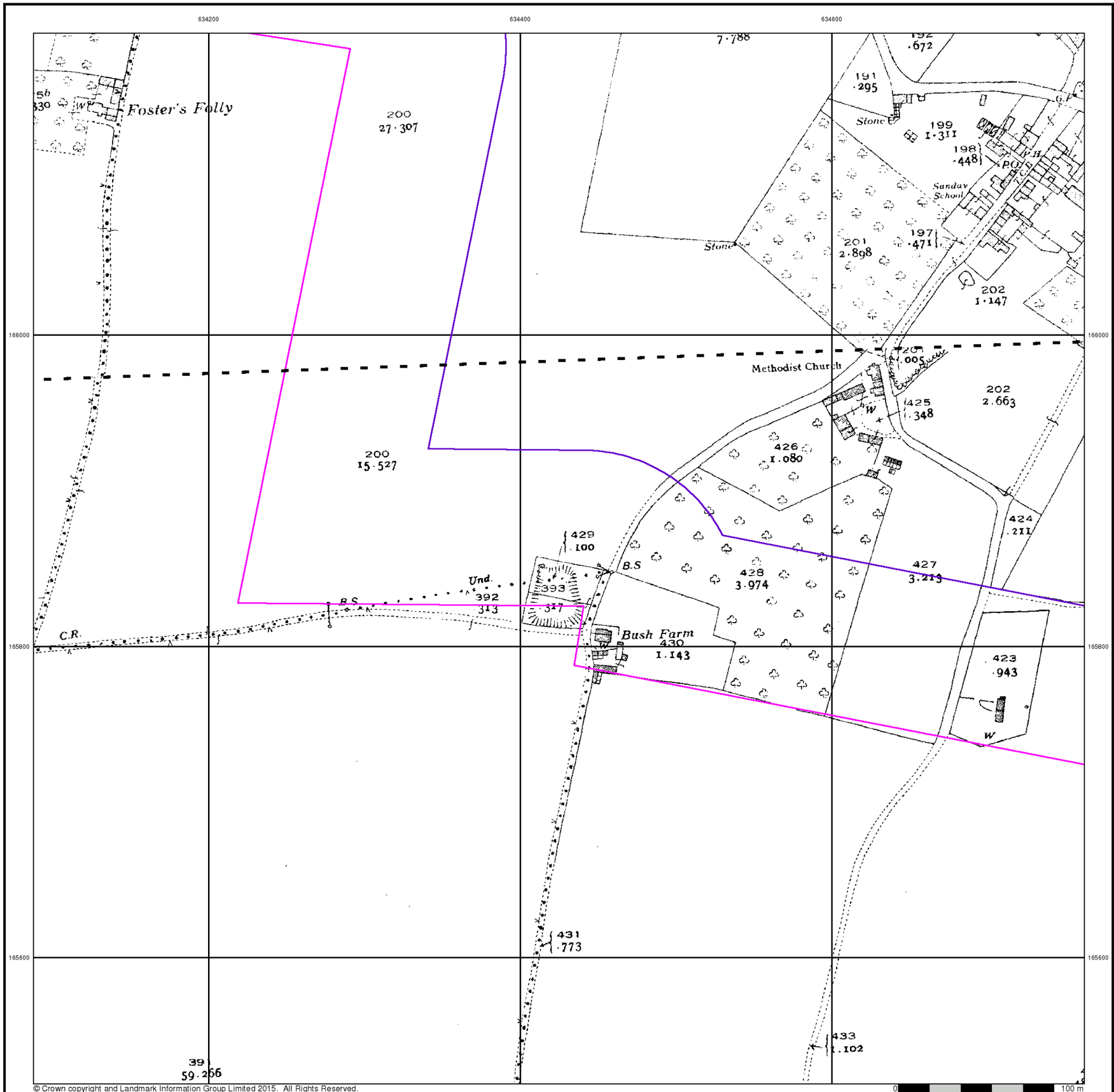

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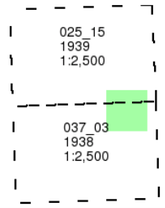
Kent

Published 1938 - 1939

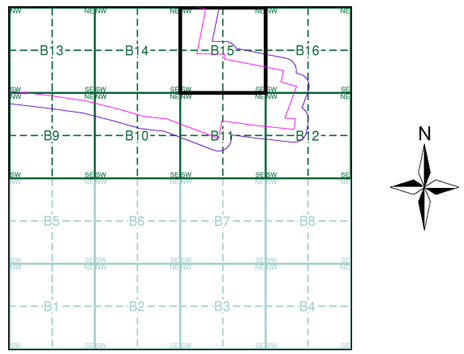
Source map scale - 1:2,500

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 B15



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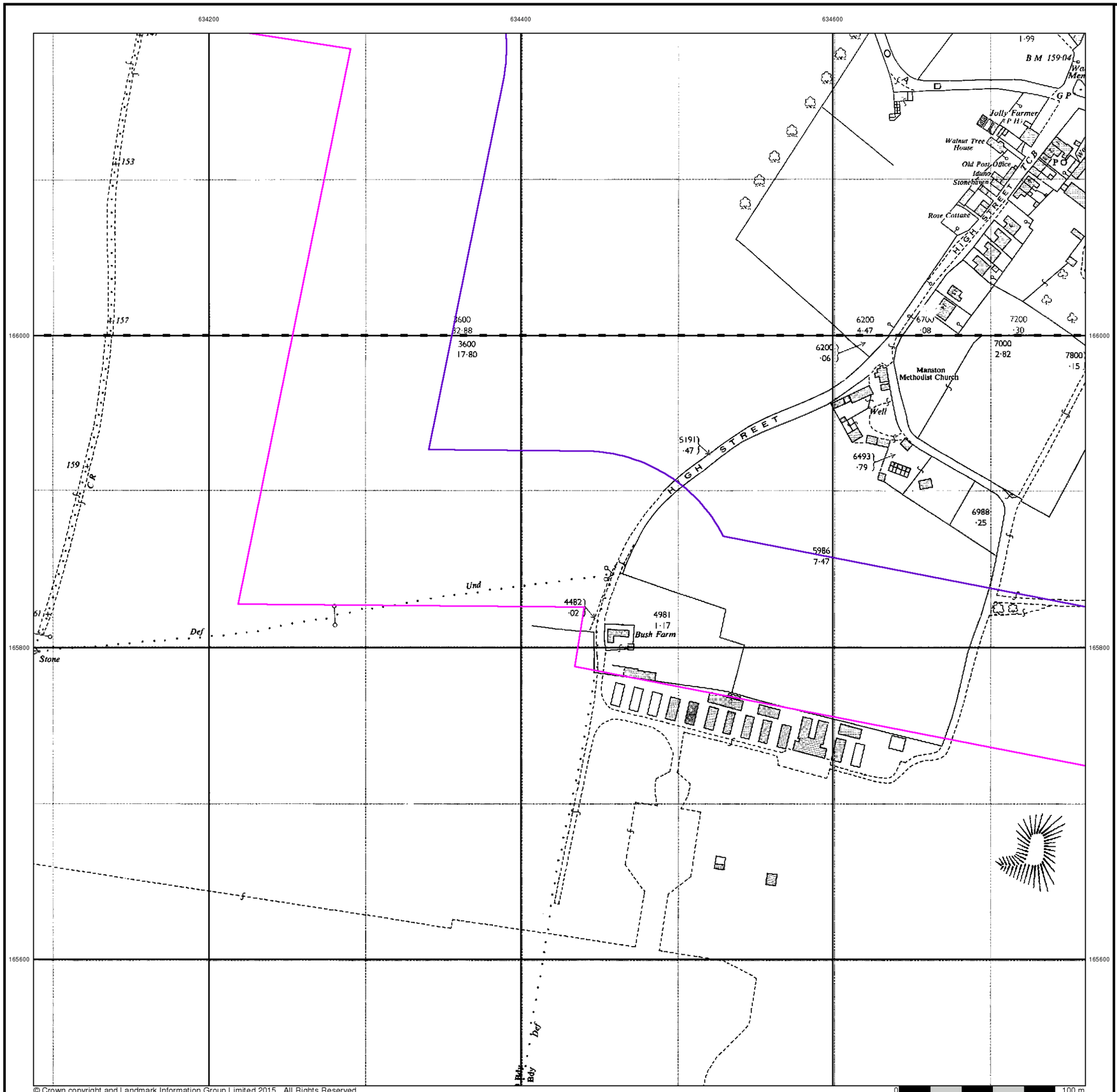

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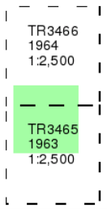
Ordnance Survey Plan

Published 1963 - 1964

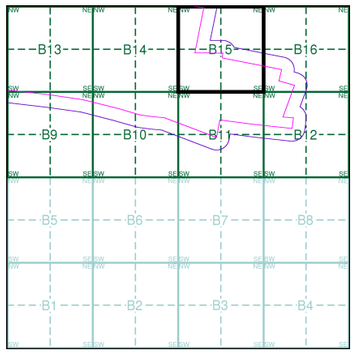
Source map scale - 1:2,500

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 B15



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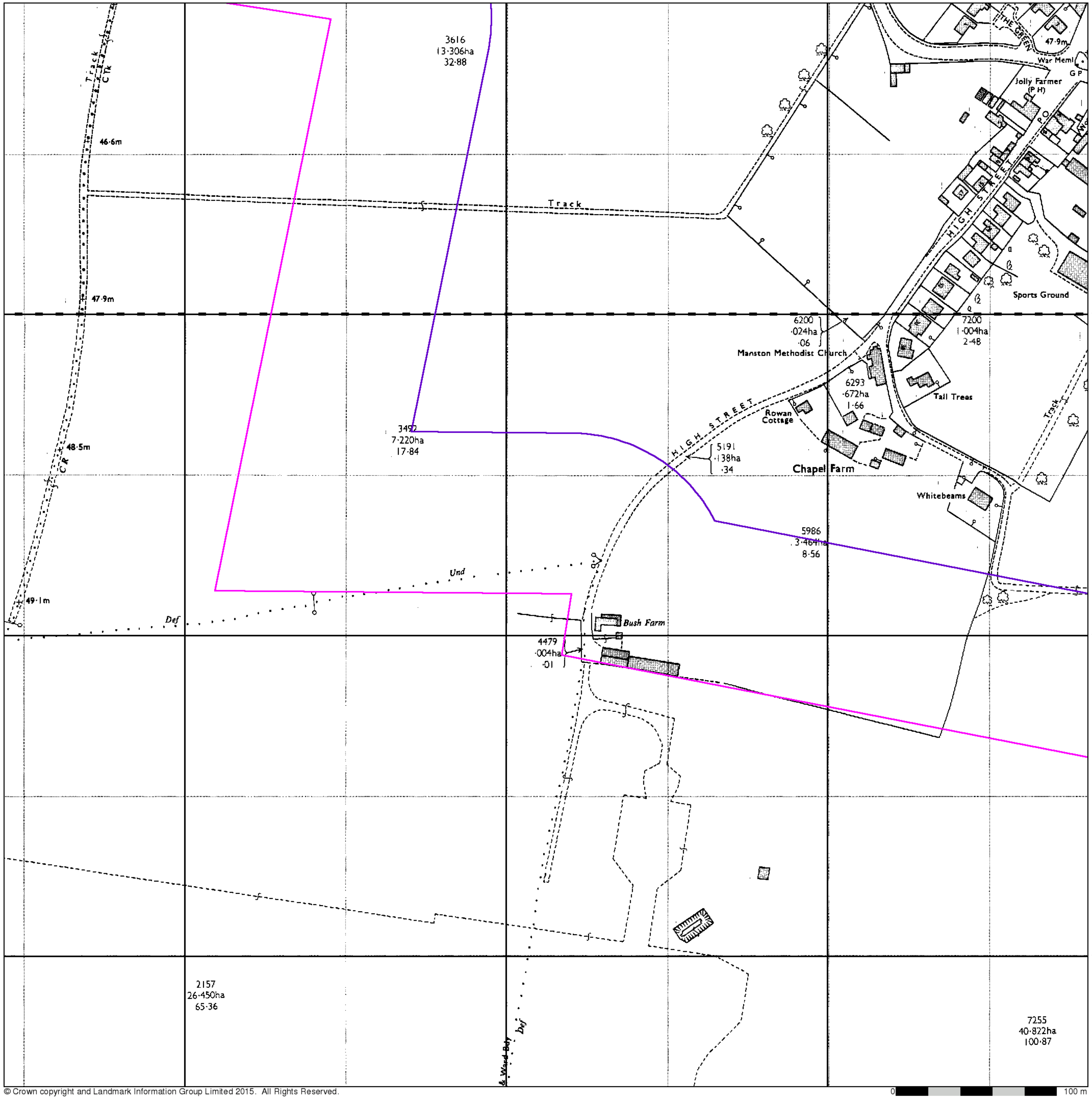


Envirocheck®

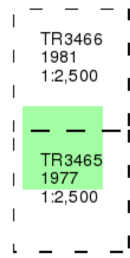
Ordnance Survey Plan

Published 1977 - 1981

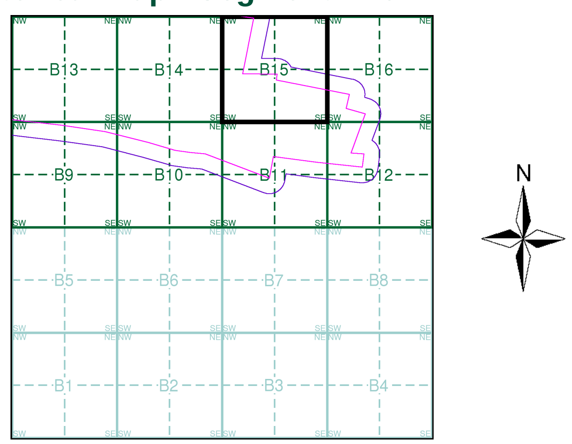
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment B15



Order Details

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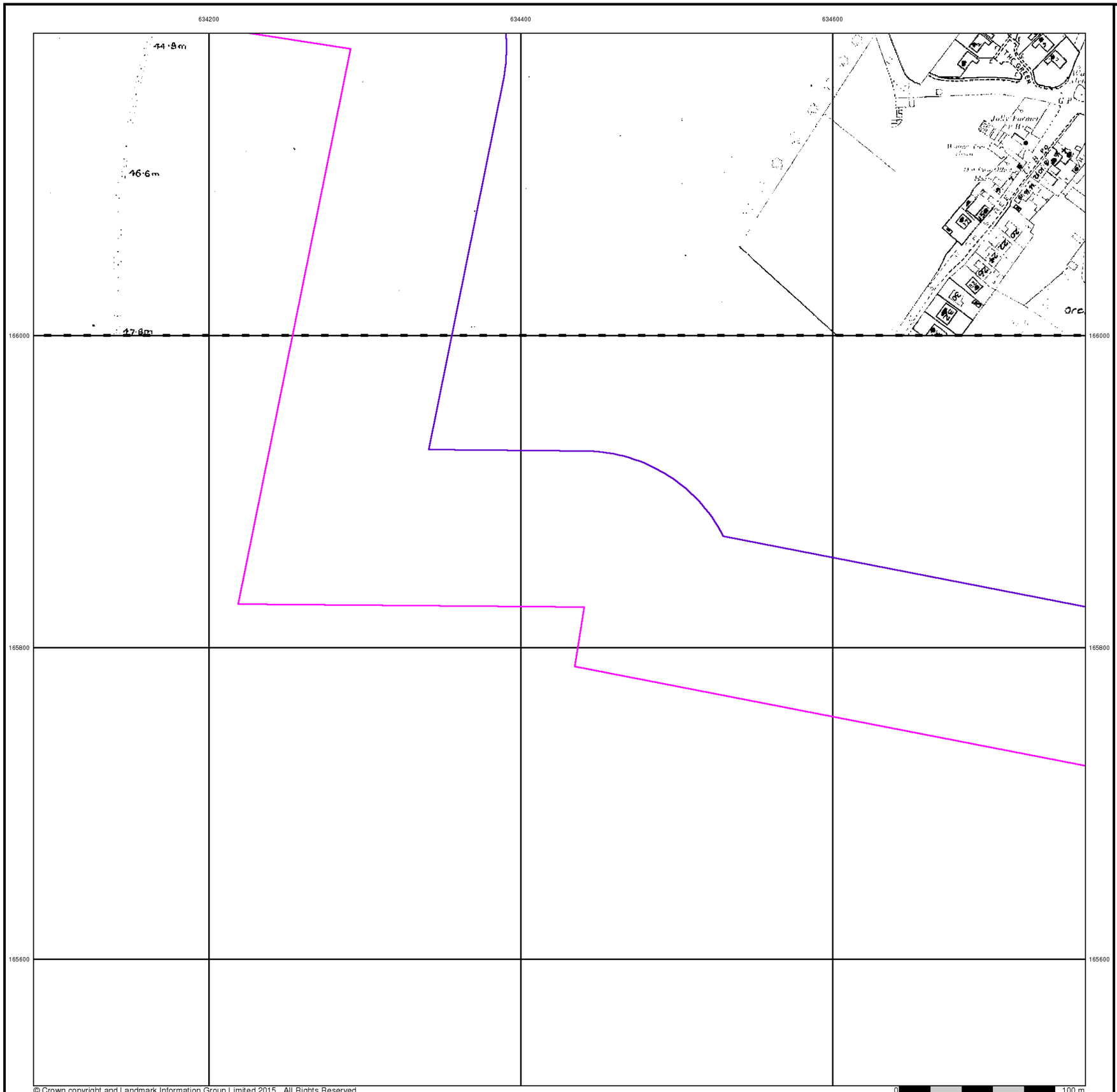


Envirocheck®

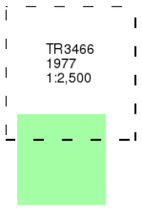
Additional SIMs

Published 1977

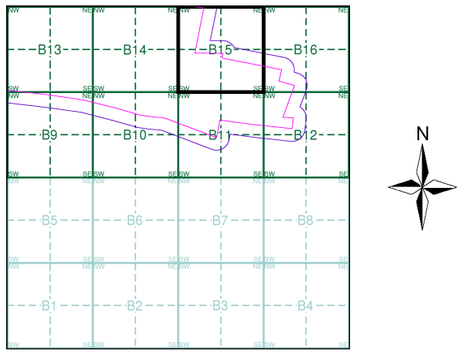
Source map scale - 1:2,500

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 B15



Order Details

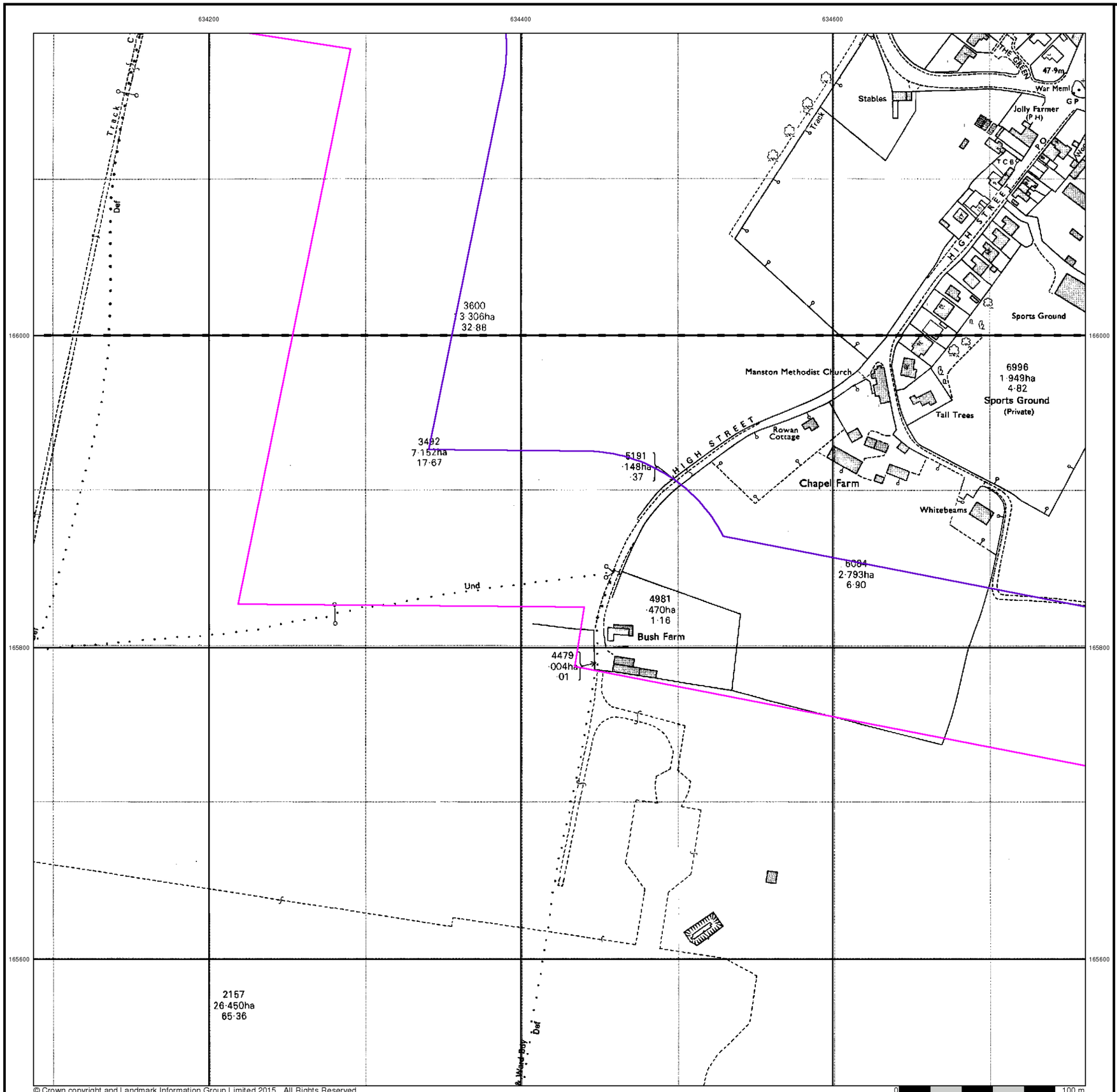
Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

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



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Ordnance Survey Plan

Published 1984 - 1985

Source map scale - 1:2,500

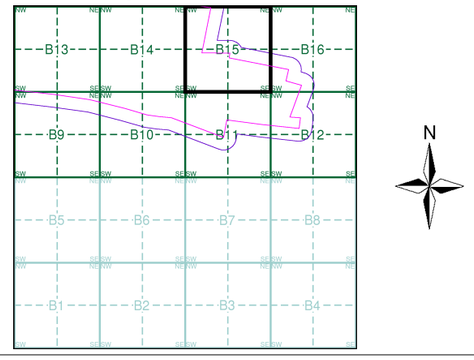
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

TR3466
1985
1:2,500

TR3465
1984
1:2,500

Historical Map - Segment B15



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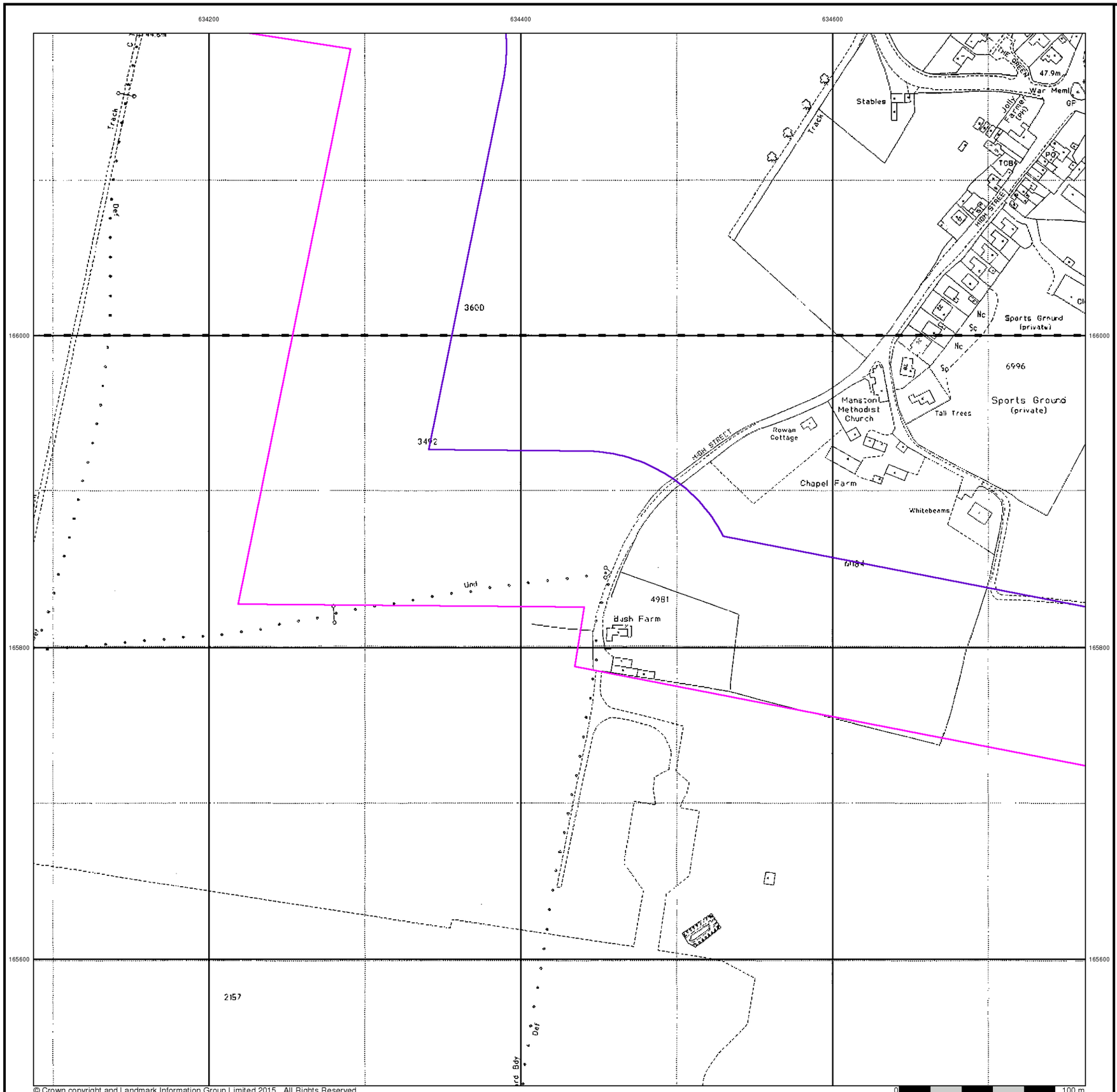


Envirocheck®

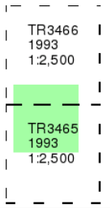
Large-Scale National Grid Data

Published 1993

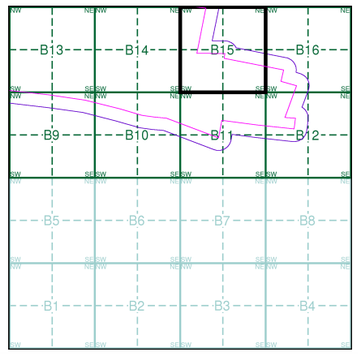
Source map scale - 1:2,500

'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)



Historical Map - Segment B15



Order Details

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Slice:	B
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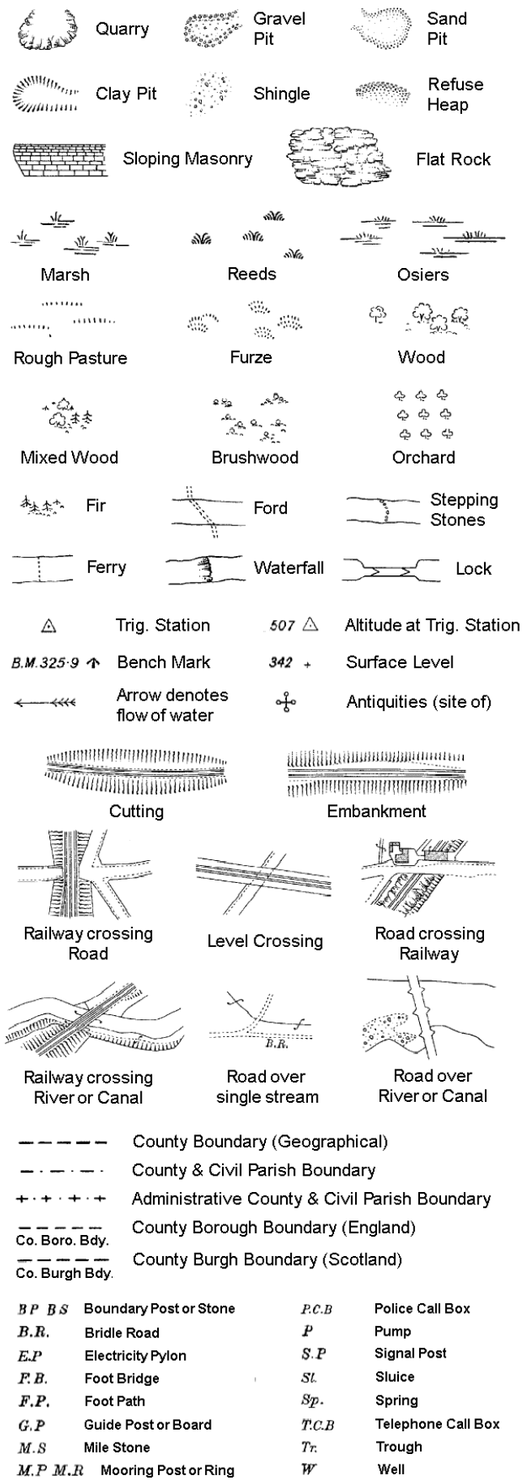
Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

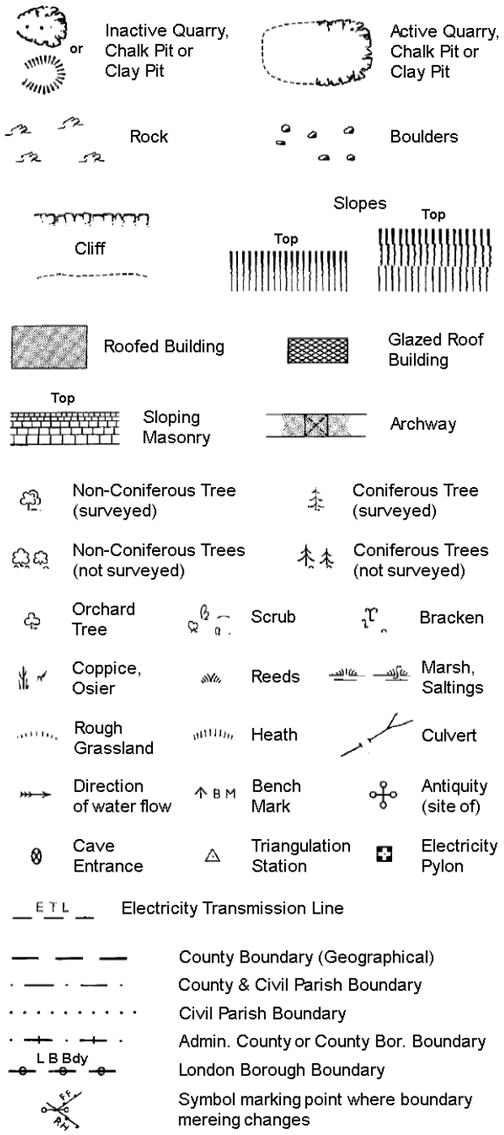
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

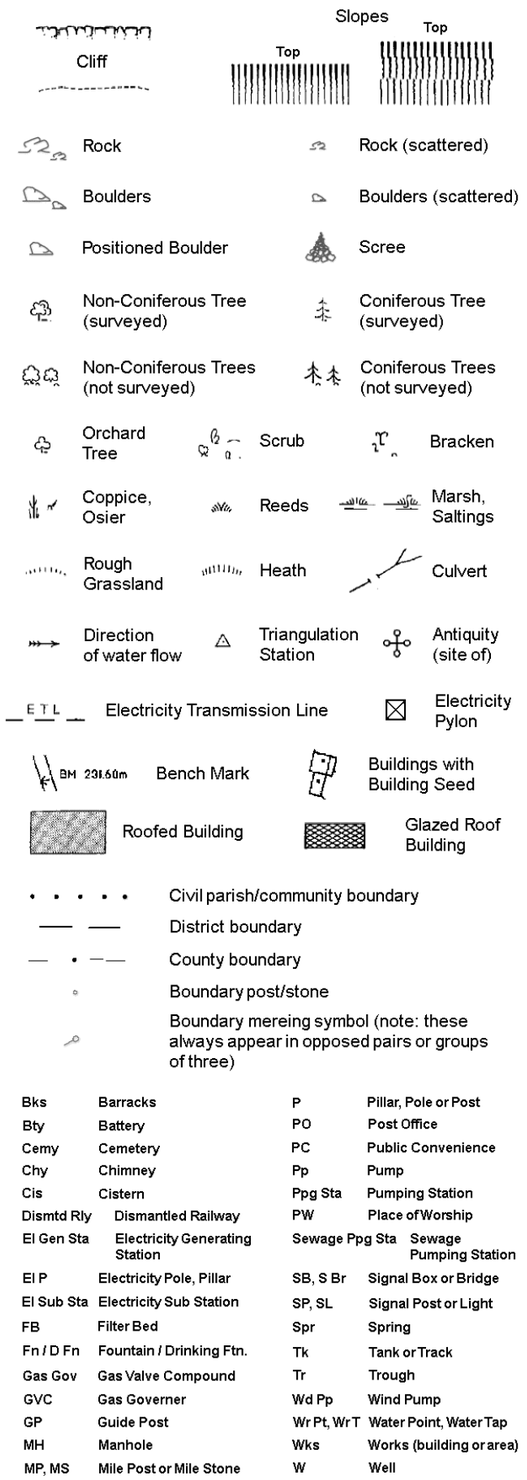
Admin. County or County Bor. Boundary

L B Bdy 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
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



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
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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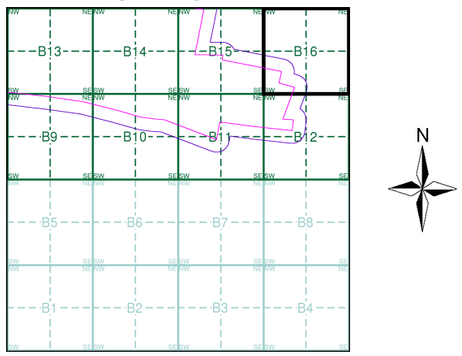
Historical Mapping & Photography included:

Historical Map - Segment B16



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 634120, 165250
Slice: B
Site Area (Ha): 306.39
Search Buffer (m): 100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group

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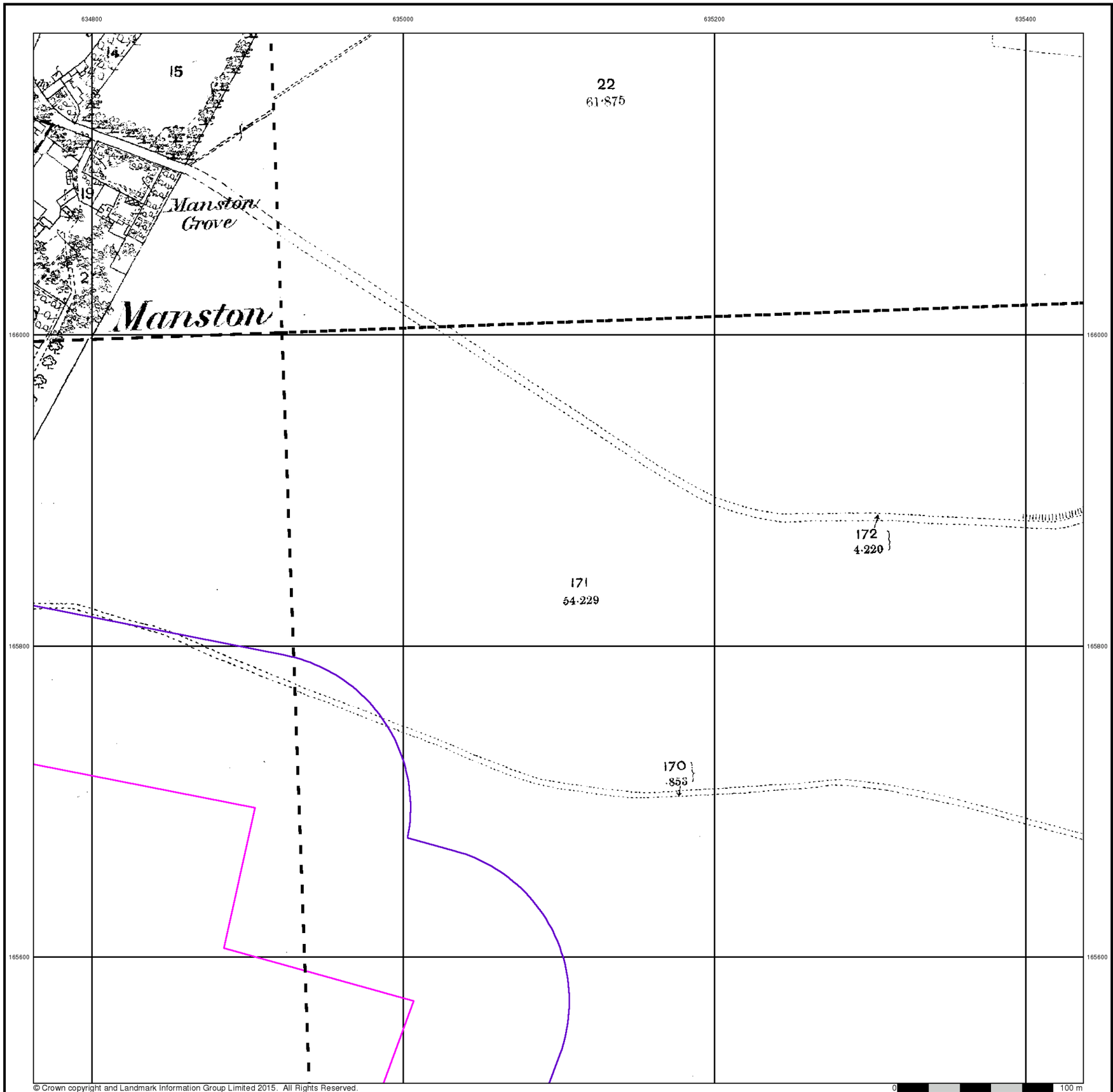

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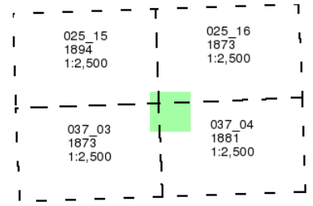
Kent

Published 1873 - 1894

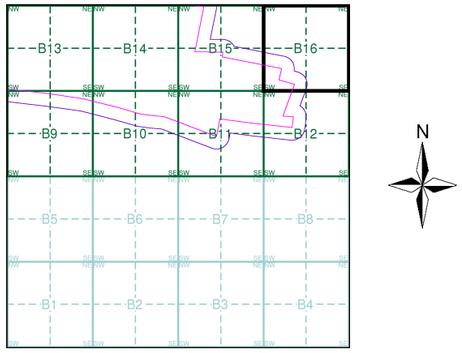
Source map scale - 1:2,500

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 B16



Order Details

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Slice:	B
Site Area (Ha):	306.39
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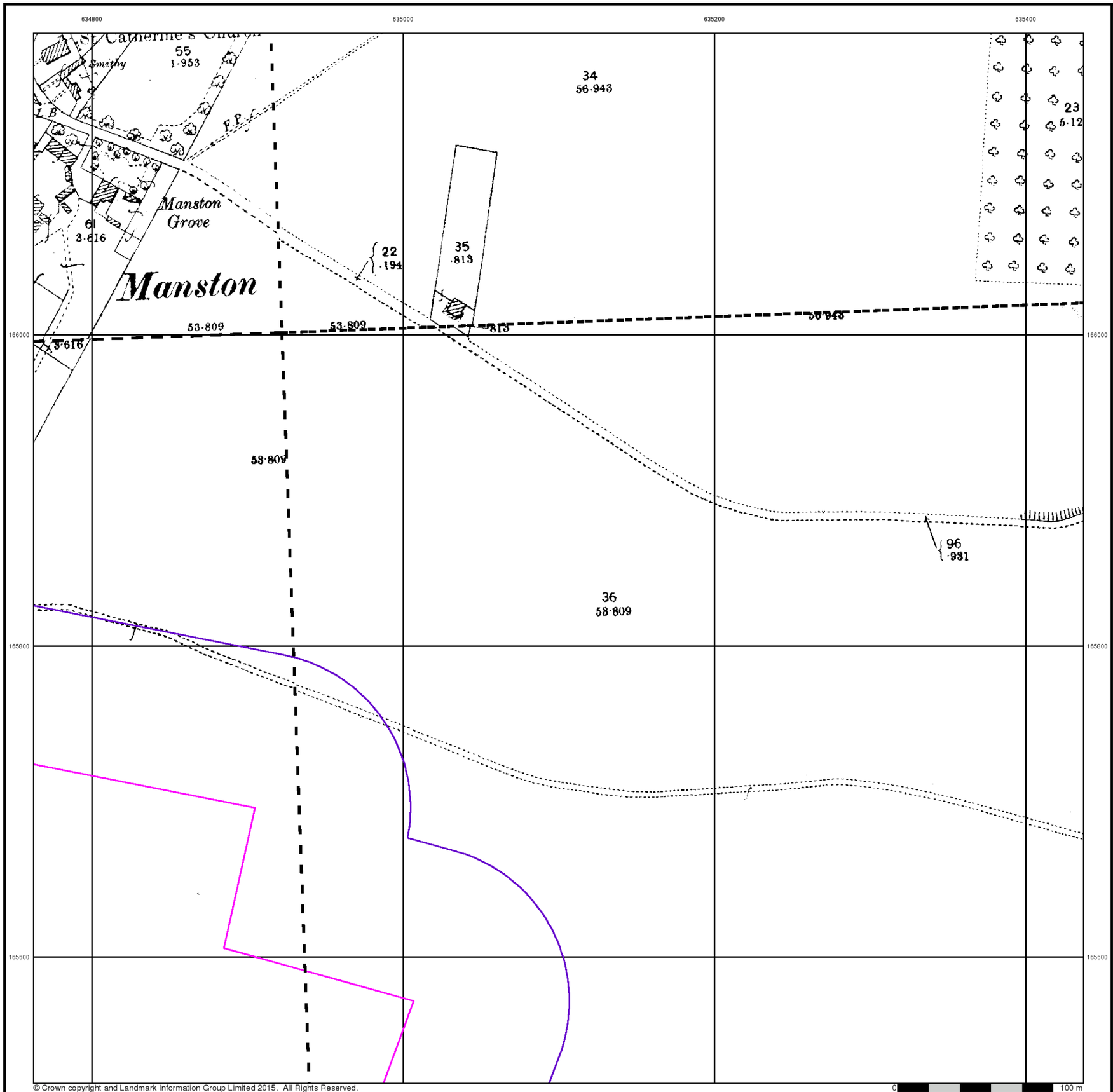


Envirocheck®

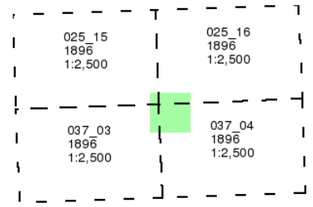
Kent

Published 1896

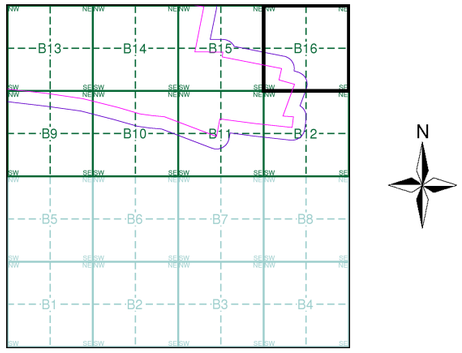
Source map scale - 1:2,500

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 B16



Order Details

Order Number:	82787389_1_1
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Slice:	B
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Site Details

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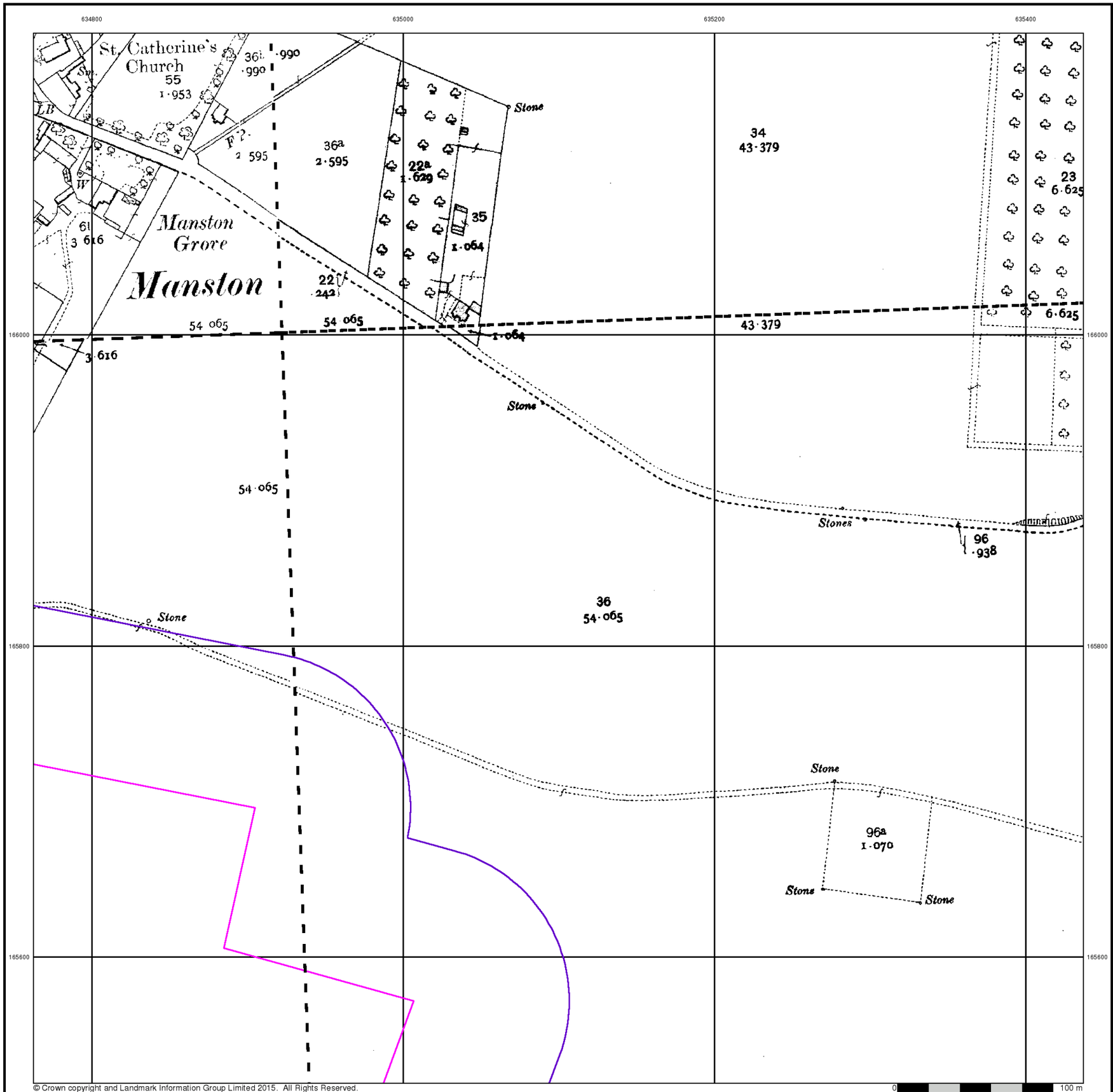

0 100 m

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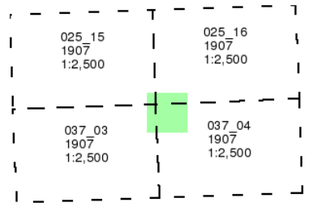
Kent

Published 1907

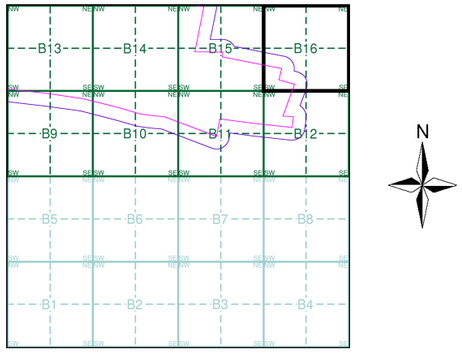
Source map scale - 1:2,500

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 B16



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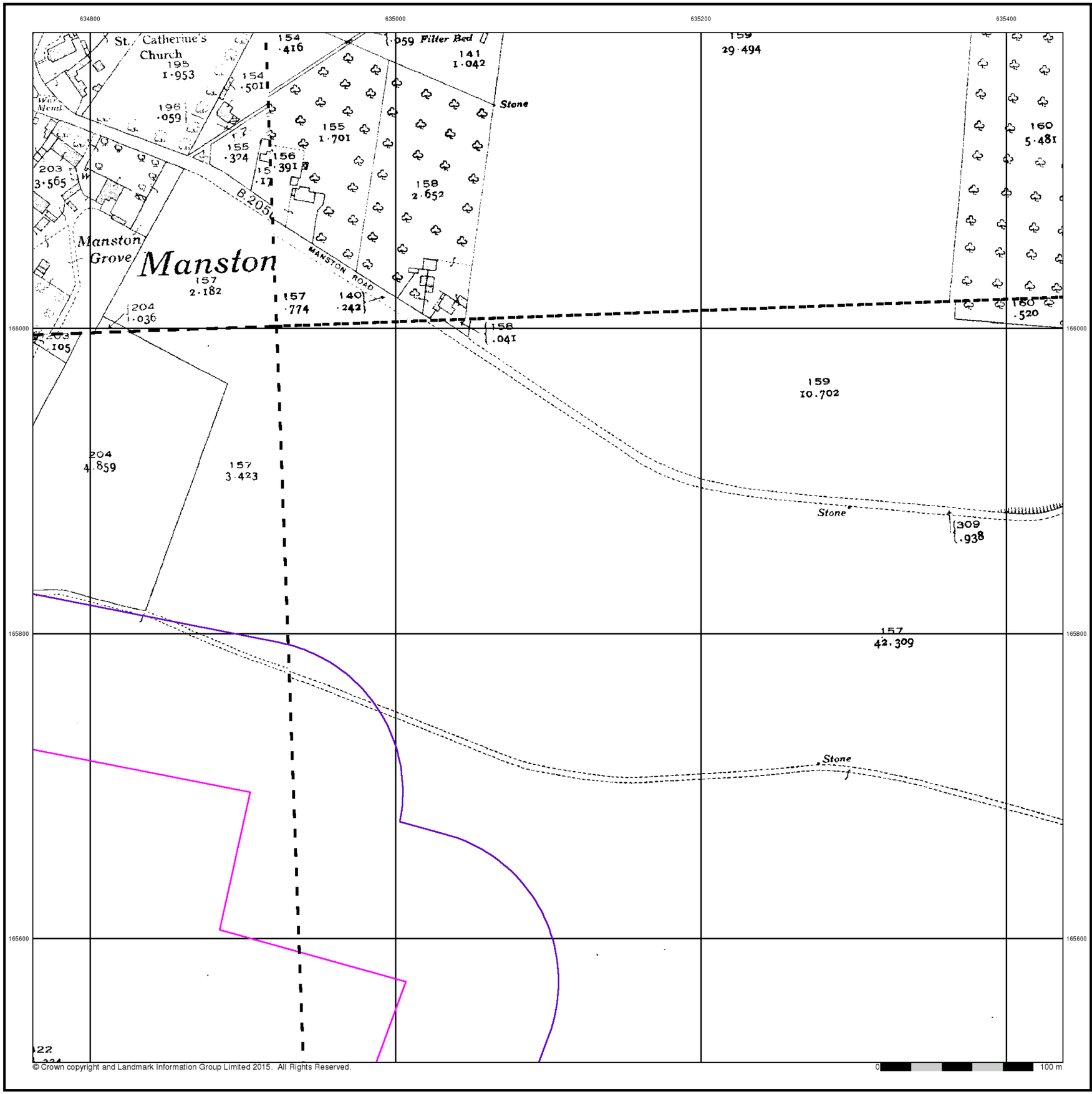

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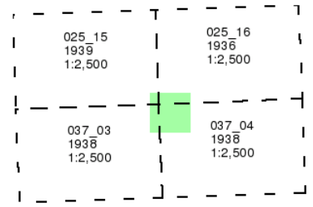
Kent

Published 1936 - 1939

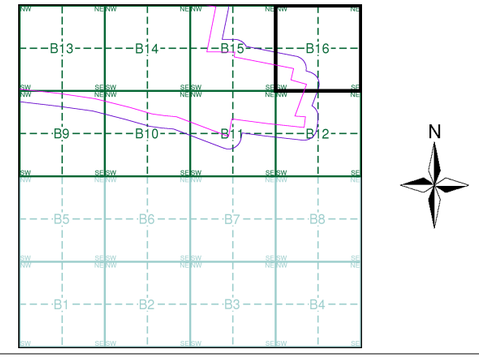
Source map scale - 1:2,500

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 B16



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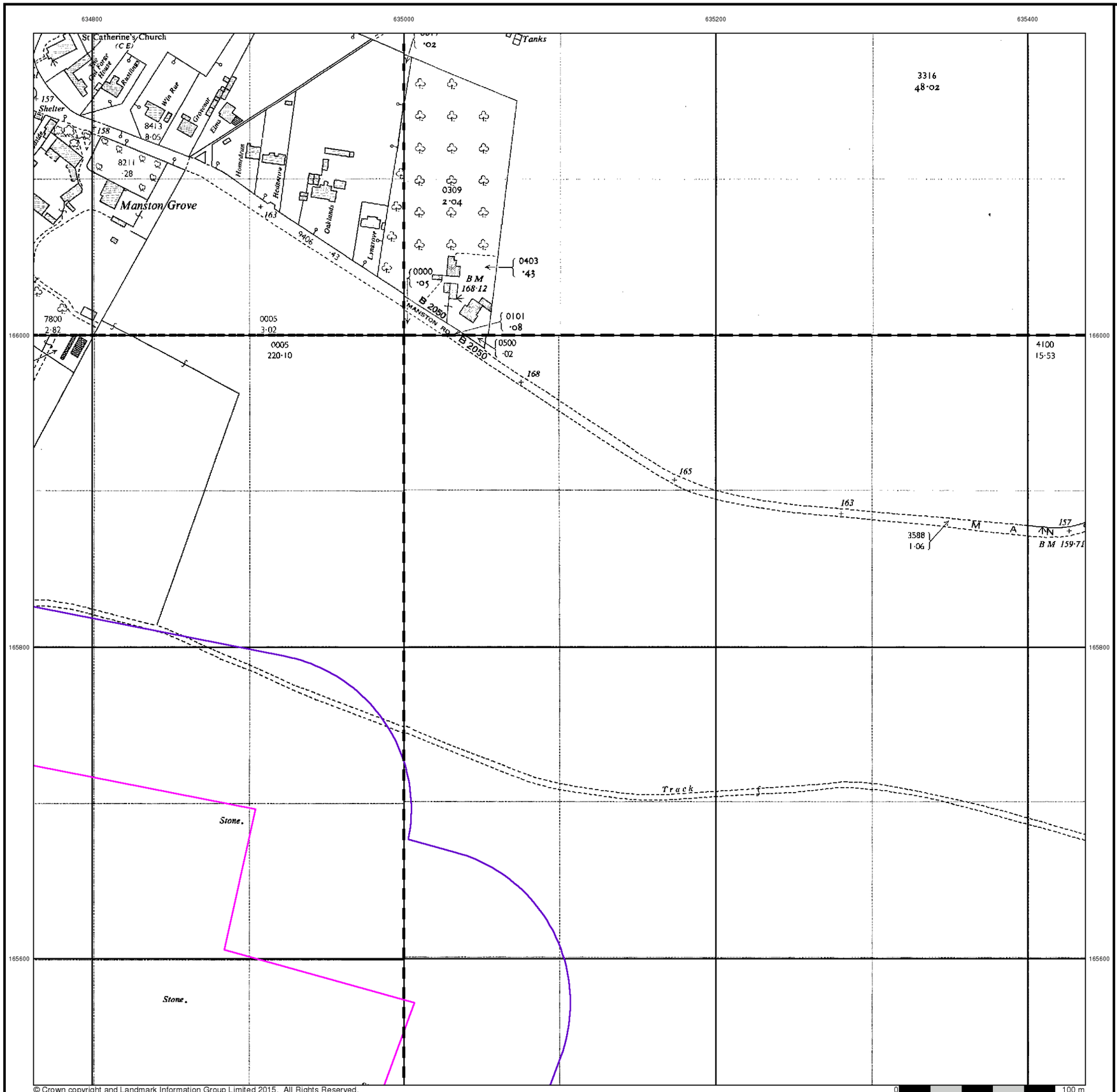

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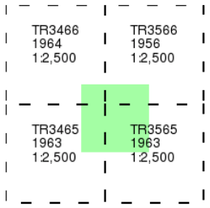
Ordnance Survey Plan

Published 1956 - 1964

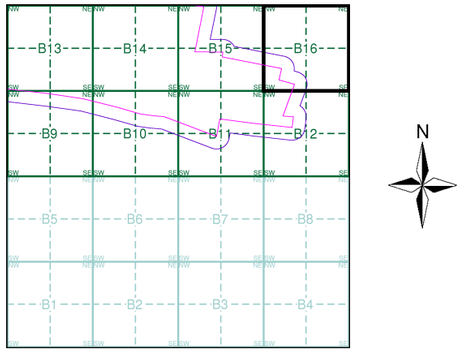
Source map scale - 1:2,500

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 B16



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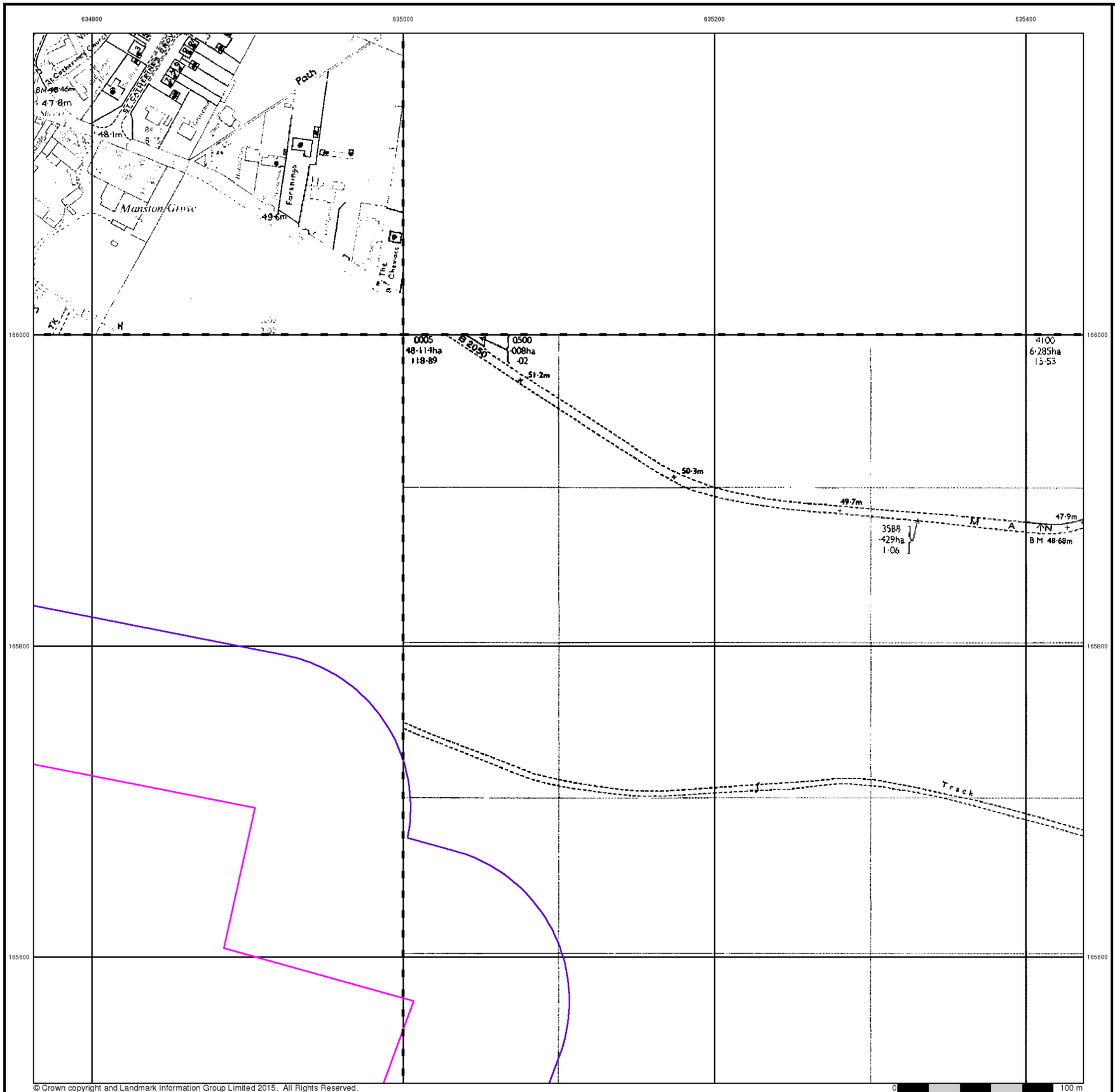

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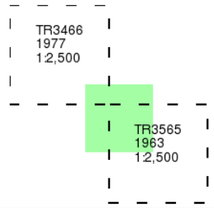
Additional SIMs

Published 1963 - 1977

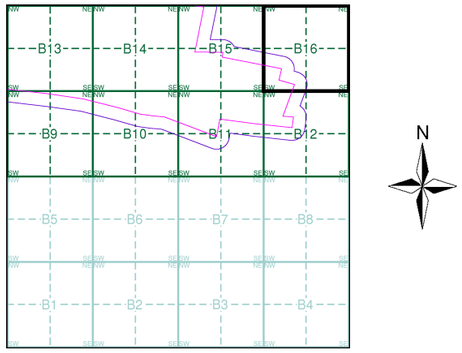
Source map scale - 1:2,500

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 B16



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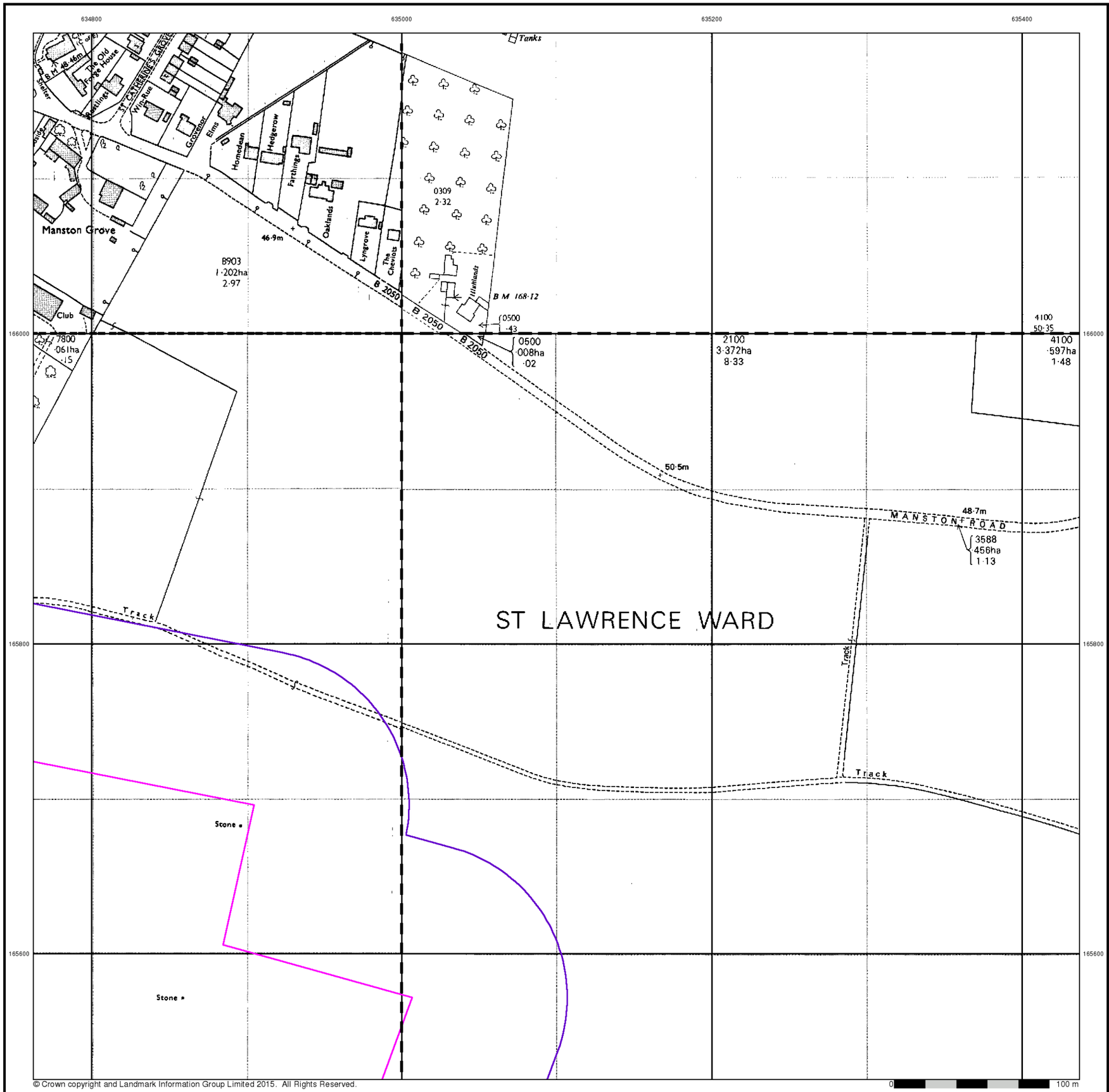

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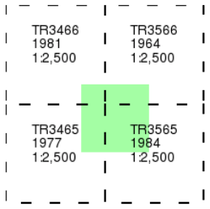
Ordnance Survey Plan

Published 1964 - 1984

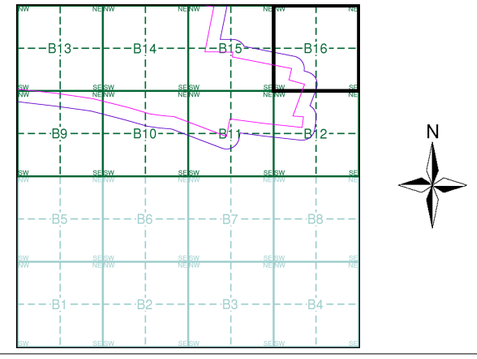
Source map scale - 1:2,500

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 B16



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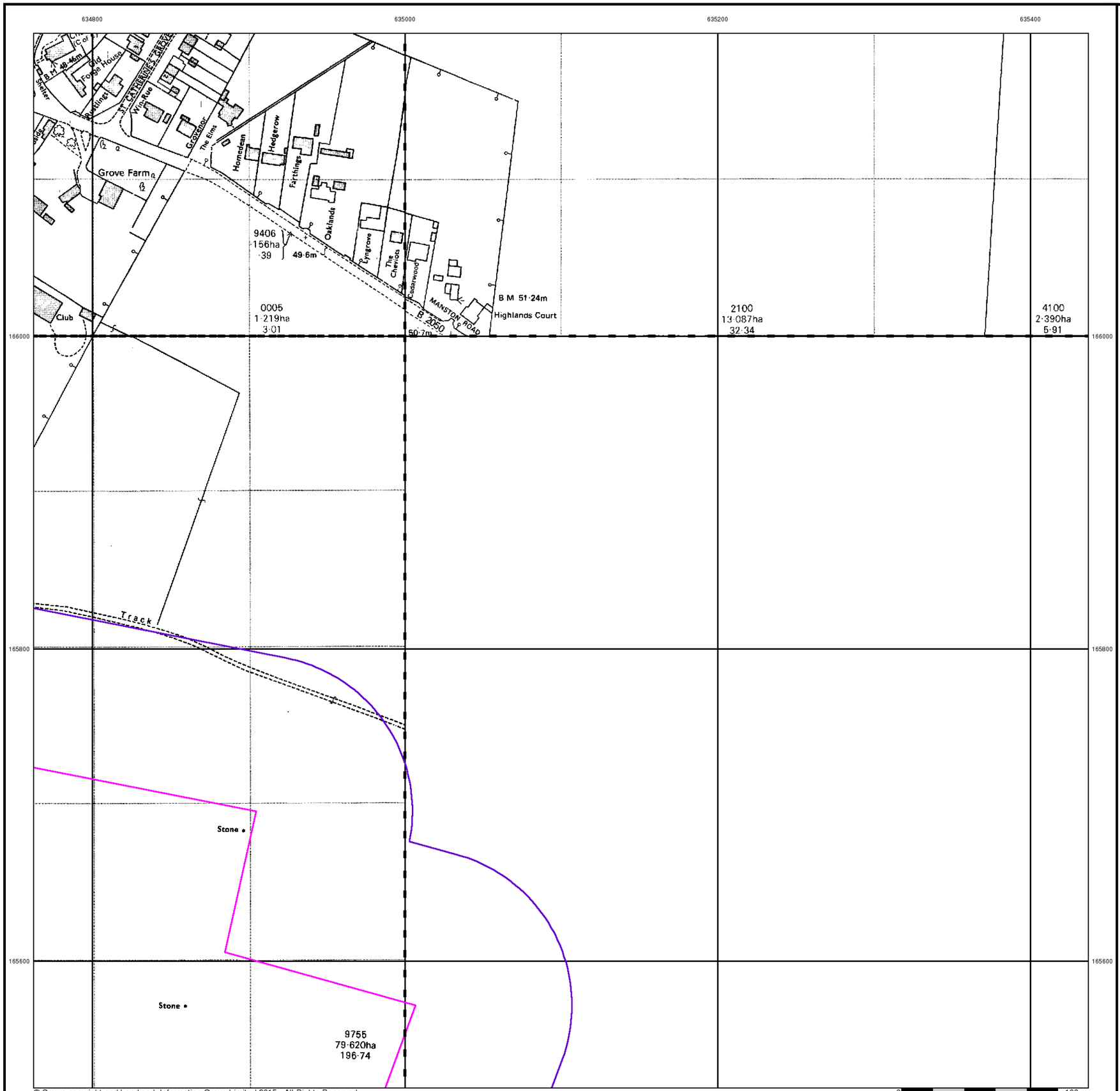
Web: www.envirocheck.co.uk



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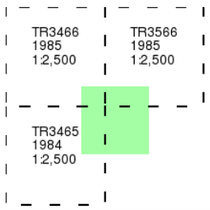
Ordnance Survey Plan

Published 1984 - 1985

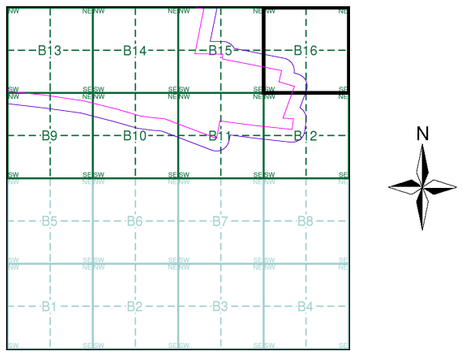
Source map scale - 1:2,500

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 B16



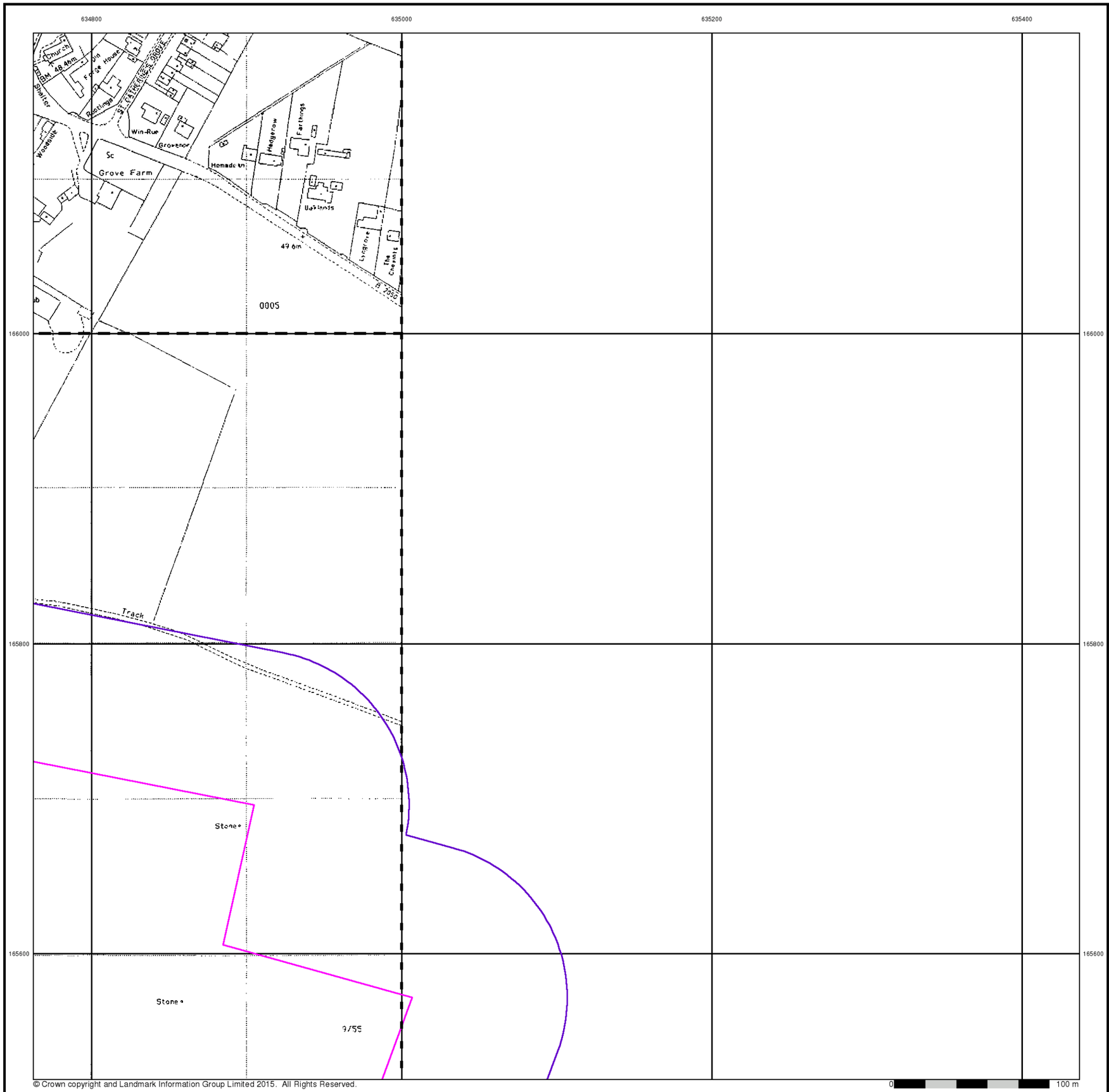
Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



0 100 m

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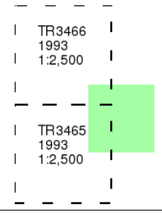
Large-Scale National Grid Data

Published 1993

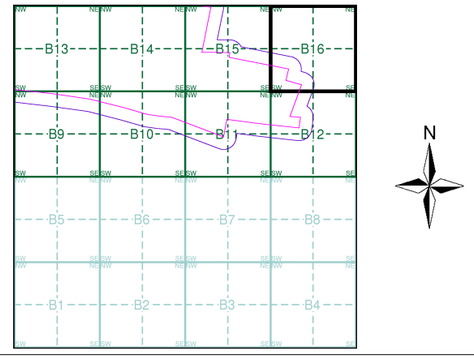
Source map scale - 1:2,500

'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)



Historical Map - Segment B16



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

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Landmark® Information Group

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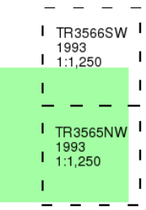
Large-Scale National Grid Data

Published 1993

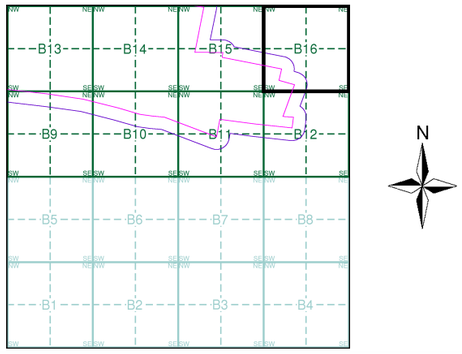
Source map scale - 1:1,250

'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 B16



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	634120, 165250
Slice:	B
Site Area (Ha):	306.39
Search Buffer (m):	100

Site Details

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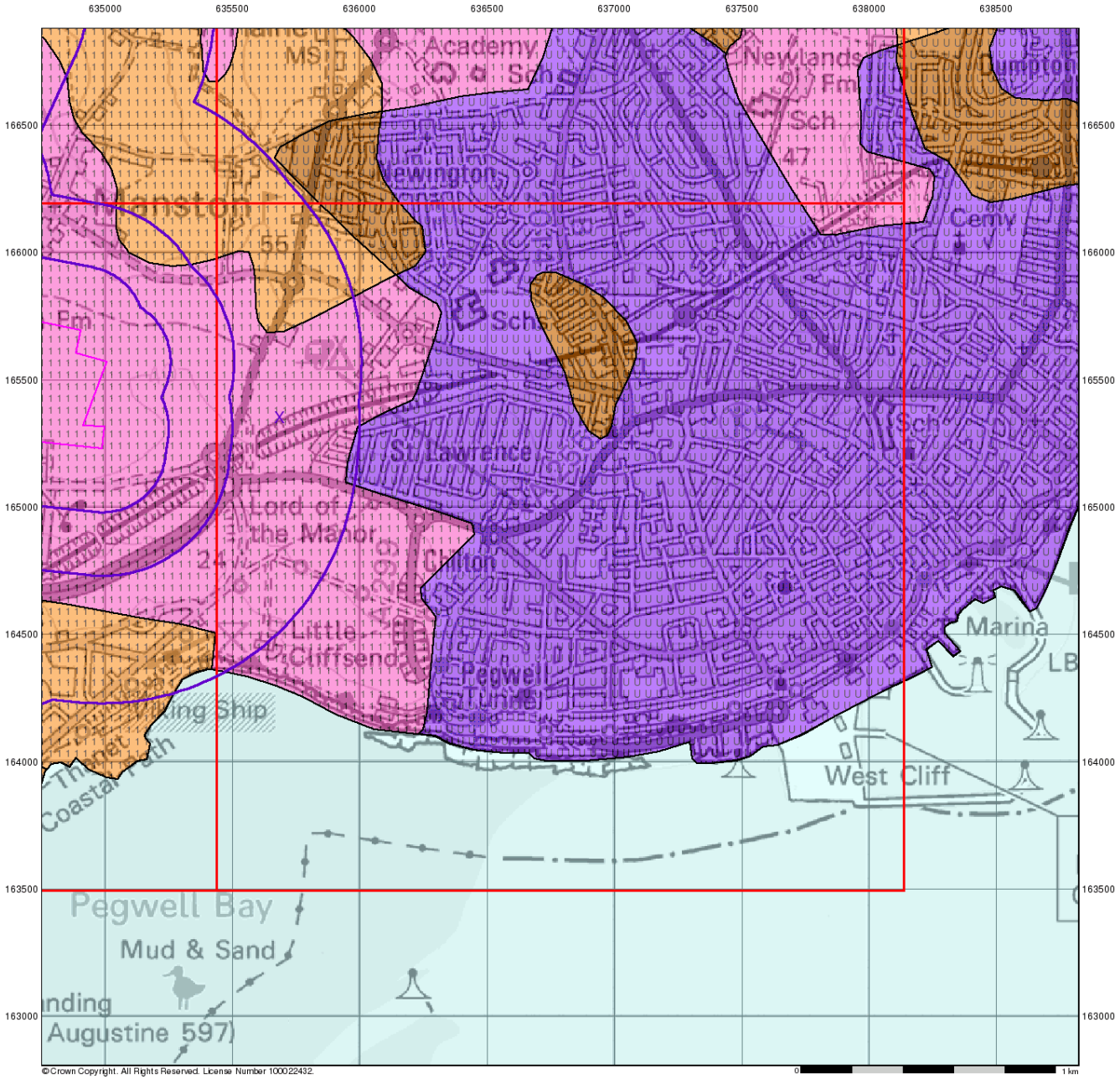


Groundwater Vulnerability

General

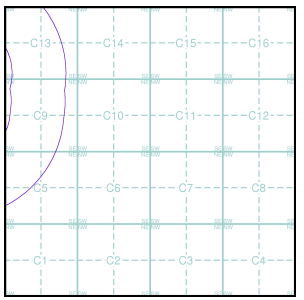
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice C



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark Information Group
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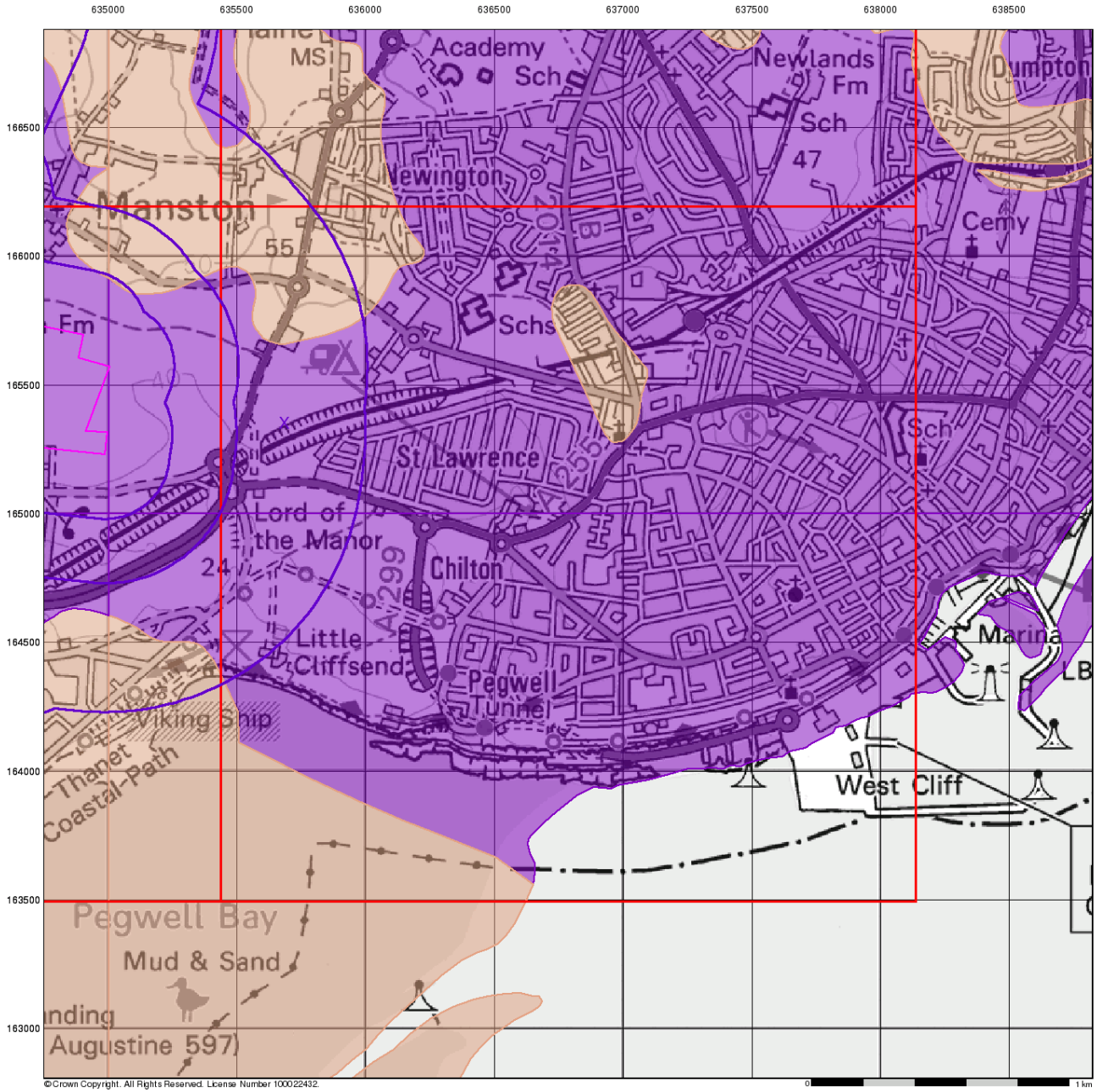

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Bedrock Aquifer Designation

General

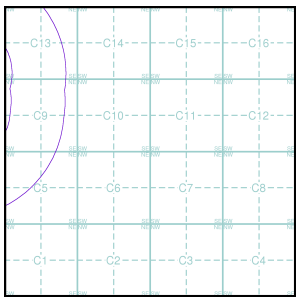
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice C

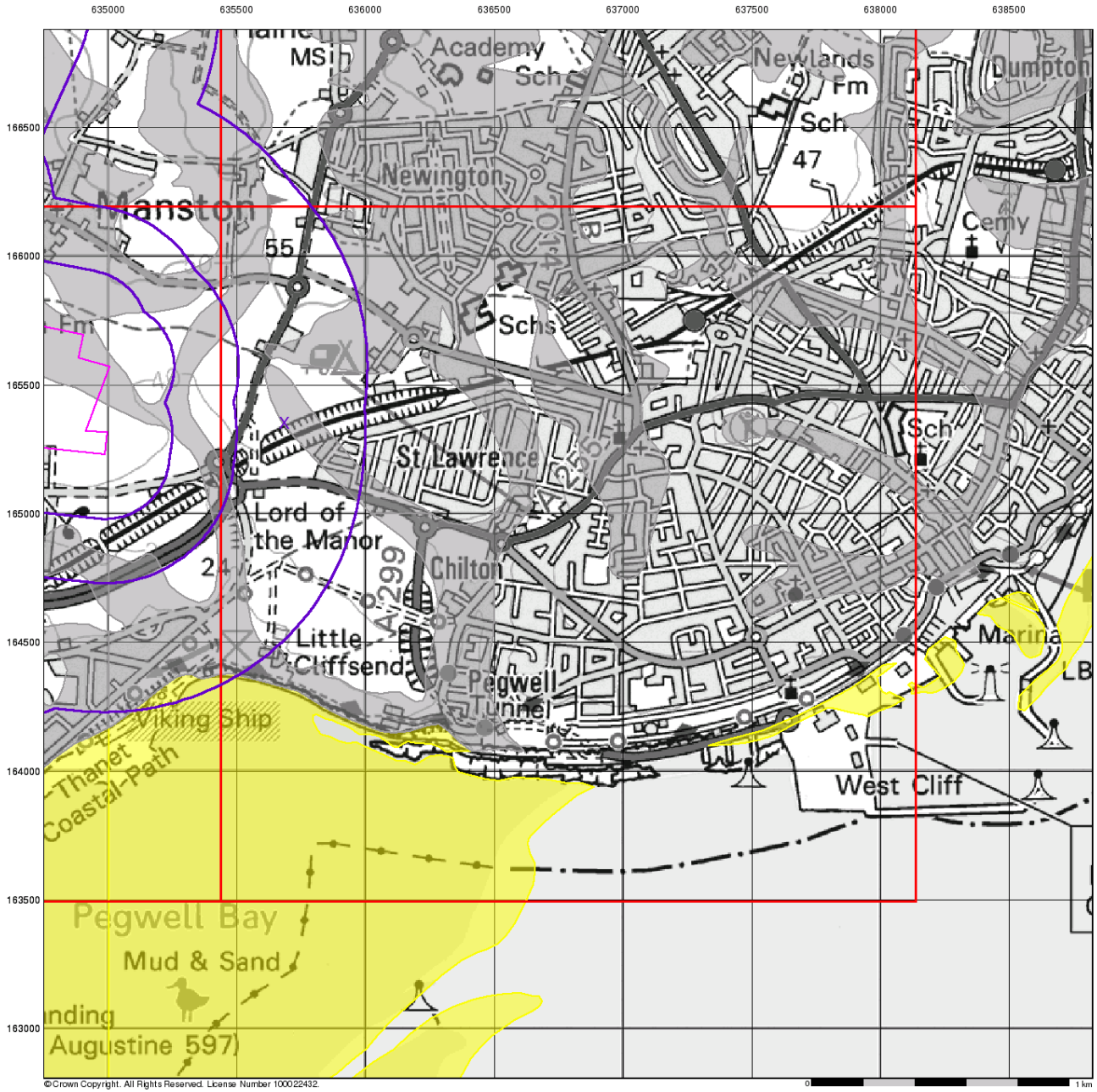


Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL



Envirocheck®

Superficial Aquifer Designation

General

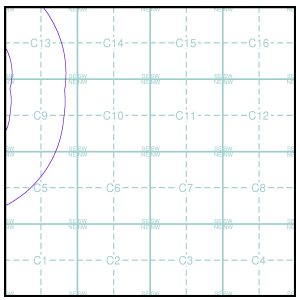
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice C



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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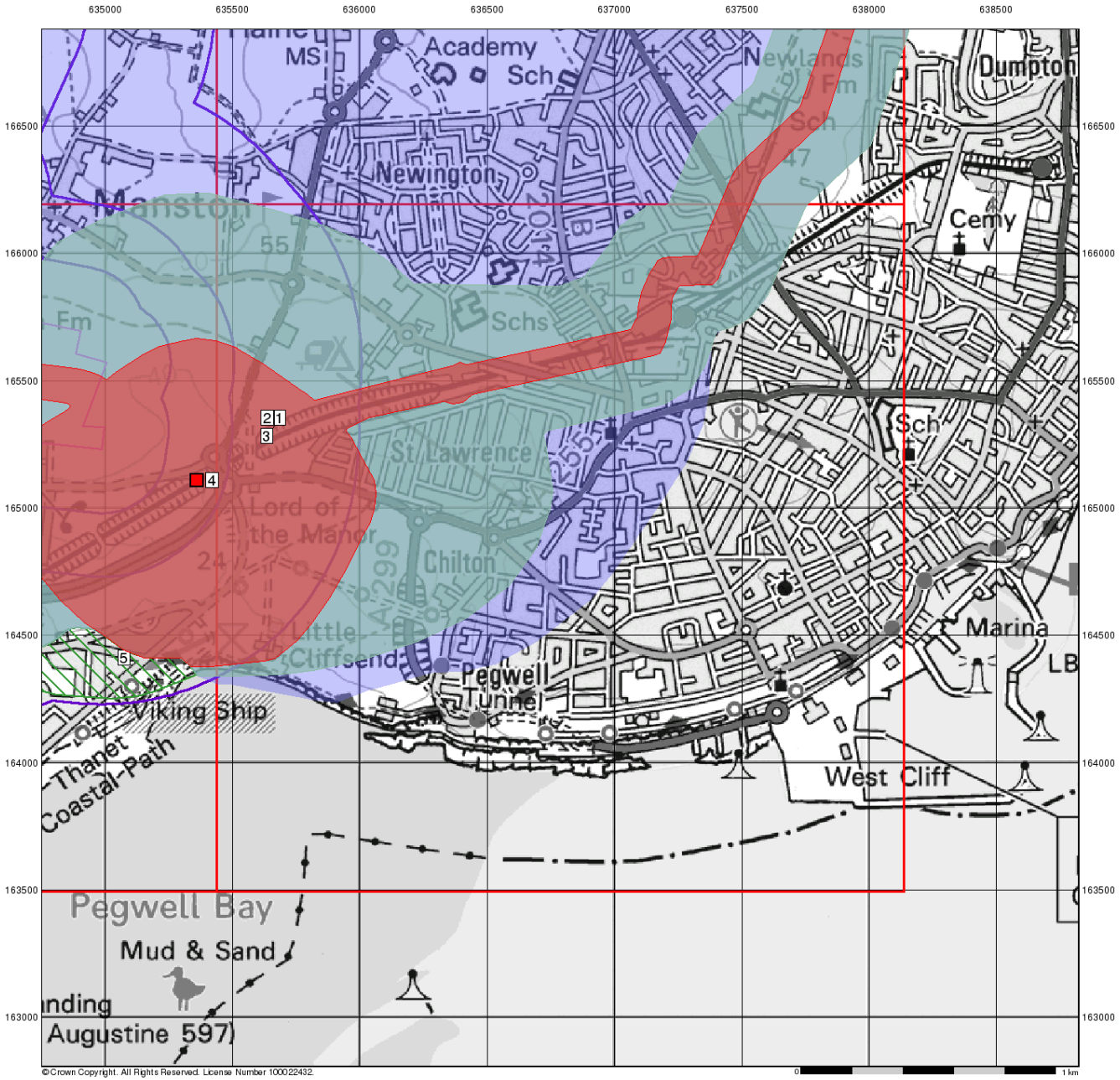
Web: www.envirocheck.co.uk



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Source Protection Zones

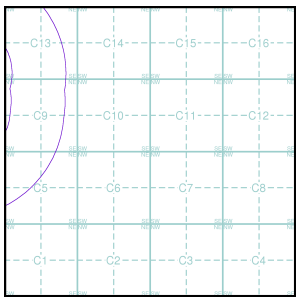
General

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)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice C



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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Sensitive Land Uses

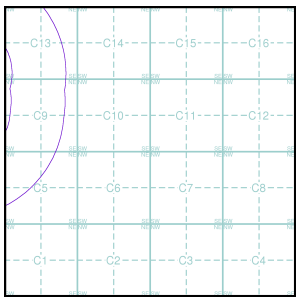
General

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

Sensitive Land Uses

- 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

Site Sensitivity Context Map - Slice C



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
82787389_1_1

Customer Reference:
38199-15

National Grid Reference:
635690, 165350

Slice:
C

Site Area (Ha):
306.39

Search Buffer (m):
1000

Site Details:

Kent International Airport Ltd
Kent International Airport, Manston
RAMSGATE
Kent
CT12 5BL

Client Details:

Ms V Dahmoun
Amec Foster Wheeler E & I UK Ltd
Floor 4
60 London Wall
London
United Kingdom
EC2M 5TQ

Contents

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 the attached 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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Natural England Copyright Notice

Ove Arup Copyright Notice

Peter Brett Associates Copyright Notice

Radon Potential dataset Copyright Notice

Report Version v50.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents					
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 1				Yes
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability	pg 1	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 1	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 1	Yes	n/a	n/a	n/a
Source Protection Zones	pg 1	3		1	1
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage					n/a

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
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					
Geological					
BGS 1:625,000 Solid Geology	pg 4	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 4	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 7				1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 7	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 7	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 8	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 8	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 8	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 8	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Envirocheck®

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Sensitive Land Use					
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	pg 9				1
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 9	1			
Ramsar Sites	pg 9				1
Sites of Special Scientific Interest	pg 9				1
Special Areas of Conservation	pg 9				2
Special Protection Areas	pg 9				1

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	C5SW (S)	960	-	635488 164370
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 47 East Kent Scale: 1:100,000	C9NW (NW)	0	2	635686 165353
	Drift Deposits Drift Deposit: Low permeability drift deposits occuring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 47 East Kent Scale: 1:100,000	C9NW (NW)	0	2	635686 165353
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	(W)	0	3	635005 165353
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	C9NW (NW)	0	3	635686 165353
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	C13SW (N)	0	3	635723 165580
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(W)	0	3	635005 165420
1	**Source Protection Zones** Name: Lord Of The Manor Source: Environment Agency, Head Office Reference: Su036 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	C9NW (NW)	0	2	635686 165353
2	**Source Protection Zones** Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	C9NW (NW)	0	2	635686 165353
3	**Source Protection Zones** Name: Various 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.	C9NW (NW)	0	2	635686 165353
4	**Source Protection Zones** Name: Potgate Farm Source: Environment Agency, Head Office Reference: Ne243 Type: Groundwater Source	(SW)	391	2	635360 165110
5	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone IIc (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater - subsurface activity only.	(S)	599	2	635297 164411
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	Detailed River Network Lines None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Thanet District Council - Has supplied landfill data		0	7	635686 165353
	Local Authority Landfill Coverage Name: Kent County Council - Had landfill data but passed it to the relevant environment agency		0	8	635686 165353

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	C9NW (NW)	0	3	635686 165353
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	(SW)	0	3	635415 165230
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	(NW)	25	3	635243 165538
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	(NW)	117	3	635327 165828
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C13NW (N)	232	3	635495 165959
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C9NW (SW)	312	3	635679 165347
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C9SW (SW)	391	3	635489 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C9SW (S)	551	3	635686 165000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C13SW (N)	578	3	635669 165658
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C13NW (N)	587	3	635596 166008
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C9NW (NW)	602	3	635686 165353
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C13SW (N)	602	3	635718 165581
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C13SW (N)	623	3	635568 165841

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C13NW (N)	669	3	635603 166000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C13SW (N)	680	3	635681 165659
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C13NW (N)	734	3	635686 166000
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	(S)	908	3	635434 164376
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C5SW (S)	963	3	635481 164378
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C9NE (E)	994	3	636000 165353

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C13SE (NE)	994	3	636000 165544
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C13NE (N)	1000	3	635911 166000
6	**BGS Recorded Mineral Sites** Site Name: Sprattling Street Chalk Pit Location: , Northwood, Margate, Kent Source: British Geological Survey, National Geoscience Information Service Reference: 130929 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Cretaceous Geology: Margate Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	C13NW (N)	747	3	635516 166125
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	C9NW (NW)	0	-	635500 165500
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	C9NW (NW)	0	3	635686 165353
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	C9SW (S)	231	3	635526 164959
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	C13SW (N)	232	3	635669 165658
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C13SW (N)	0	3	635718 165581
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	25	3	635243 165538
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C9NW (NW)	0	3	635686 165353
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C9SW (S)	231	3	635686 165000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C9NW (SW)	0	3	635599 165283
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(NW)	40	3	635255 165573
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	(NW)	117	3	635387 165629
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C9SW (S)	231	3	635686 165000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C13SW (N)	232	3	635669 165658
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C13SW (N)	0	3	635718 165581
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	25	3	635243 165538
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C9NW (NW)	0	3	635686 165353
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C9SW (S)	231	3	635686 165000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C13SW (N)	0	3	635718 165581
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	25	3	635243 165538
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	C9NW (NW)	0	3	635686 165353
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	C9NW (NW)	0	3	635686 165353

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**National Nature Reserves** Name: Sandwich & Pegwell Bay Multiple Areas: Y Total Area (m2): 6293106.5 Source: Natural England Reference: 1007228 Designation Date: Not Supplied	C5SW (S)	900	4	635484 164392
8	**Nitrate Vulnerable Zones** Name: Not Supplied Description: Groundwater Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	C9NW (NW)	0	5	635686 165353
9	**Ramsar Sites** Name: Thanet Coast & Sandwich Bay Multiple Areas: Y Total Area (m2): 21821338.06 Source: Natural England Reference: UK11070 Designation Date: Not Supplied	C5SW (S)	900	4	635484 164392
10	**Sites of Special Scientific Interest** Name: Sandwich Bay To Hacklinge Marshes Multiple Areas: Y Total Area (m2): 17901009.98 Source: Natural England Reference: 1001128 Designation Details: Local Wildlife Site Designation Date: 28th June 1993 Date Type: Notified Designation Details: National Nature Reserve Designation Date: 28th June 1993 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 28th June 1993 Date Type: Notified Designation Details: Special Protection Area Designation Date: 28th June 1993 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 28th June 1993 Date Type: Notified Designation Details: National Trust Reserve Designation Date: 28th June 1993 Date Type: Notified Designation Details: Ramsar Site Designation Date: 28th June 1993 Date Type: Notified Designation Details: Nature Conservation Review Designation Date: 28th June 1993 Date Type: Notified Designation Details: Geological Conservation Review Designation Date: 28th June 1993 Date Type: Notified Designation Details: Local Nature Reserve Designation Date: 28th June 1993 Date Type: Notified	C5SW (S)	900	4	635484 164392
11	**Special Areas of Conservation** Name: Sandwich Bay Multiple Areas: N Total Area (m2): 11366986.85 Source: Natural England Reference: UK0013077 **Status: Designated**	(S)	900	4	635393 164388
12	**Special Areas of Conservation** Name: Thanet Coast Multiple Areas: Y Total Area (m2): 28159852.32 Source: Natural England Reference: UK0013107 **Status: Designated**	C5SW (S)	935	4	635484 164392
13	**Special Protection Areas** Name: Thanet Coast & Sandwich Bay Multiple Areas: Y Total Area (m2): 18812616.56 Source: Natural England Reference: UK9012071 Designation Date: Not Supplied	C5SW (S)	900	4	635484 164392

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Thanet District Council - Environmental Health Department	April 2014	Annual Rolling Update
Dover District Council - Environmental Health Department	January 2015	Annual Rolling Update
Discharge Consents		
Environment Agency - Southern Region	January 2016	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Southern Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - Southern Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - Southern Region	January 2016	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Thanet District Council - Environmental Health Department	April 2014	Annual Rolling Update
Dover District Council - Environmental Health Department	June 2014	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Thanet District Council - Environmental Health Department	April 2014	Annual Rolling Update
Dover District Council - Environmental Health Department	June 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Thanet District Council - Environmental Health Department	April 2014	Annual Rolling Update
Dover District Council - Environmental Health Department	June 2014	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - Southern Region	March 2013	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - Southern Region	March 2013	As notified
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 - Southern Region - Kent Area	January 2016	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	January 2016	Quarterly
Water Abstractions		
Environment Agency - Southern Region	January 2016	Quarterly
Water Industry Act Referrals		
Environment Agency - Southern Region	January 2016	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	October 2012	As notified
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	January 2015	As notified
Source Protection Zones		
Environment Agency - Head Office	January 2016	Quarterly

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	February 2016	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	February 2016	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	February 2016	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	February 2016	Quarterly
Flood Defences		
Environment Agency - Head Office	February 2016	Quarterly
Detailed River Network Lines		
Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage		
Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability		
Environment Agency - Head Office	October 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Southern Region - Kent Area	February 2016	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	February 2016	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Southern Region - Kent Area	January 2016	Quarterly
Environment Agency - Southern Region - Kent and East Sussex	January 2016	Quarterly
Local Authority Landfill Coverage		
Dover District Council - Environmental Health Department	May 2000	Not Applicable
Kent County Council - Waste Management Group	May 2000	Not Applicable
Thanet District Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Dover District Council - Environmental Health Department	May 2000	Not Applicable
Kent County Council - Waste Management Group	May 2000	Not Applicable
Thanet District Council - Environmental Health Department	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - Southern Region - Kent Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	February 2016	Bi-Annually
Explosive Sites		
Health and Safety Executive	February 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Thanet District Council	February 2016	Annual Rolling Update
Dover District Council - Planning Department	January 2016	Annual Rolling Update
Kent County Council	January 2016	Annual Rolling Update
Planning Hazardous Substance Consents		
Thanet District Council	February 2016	Annual Rolling Update
Dover District Council - Planning Department	January 2016	Annual Rolling Update
Kent County Council	January 2016	Annual Rolling Update
Geological	**Version**	**Update Cycle**
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	January 2010	Annually
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	November 2015	Bi-Annually
Brine Compensation Area		
Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	As notified
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	June 2015	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	November 2015	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2015	Quarterly
Sensitive Land Use	**Version**	**Update Cycle**
Areas of Outstanding Natural Beauty Natural England	October 2015	Bi-Annually
Environmentally Sensitive Areas Natural England	October 2015	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	October 2015	Bi-Annually
Marine Nature Reserves Natural England	October 2015	Bi-Annually
National Nature Reserves Natural England	October 2015	Bi-Annually
National Parks Natural England	March 2016	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	October 2015	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2015	Bi-Annually
Special Areas of Conservation Natural England	October 2015	Bi-Annually
Special Protection Areas Natural England	October 2015	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Ordnance Survey Licensed Partner
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA Scottish Environment Protection Agency
The Coal Authority	THE COAL AUTHORITY
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	Cyfoeth Naturiol Cymru Natural Resources Wales
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE
Natural England	NATURAL ENGLAND
Public Health England	Public Health England
Ove Arup	ARUP
Peter Brett Associates	pba peterbrett

Contact	Name and Address	Contact Details
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	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	**Natural England** Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
5	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
6	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
7	**Thanet District Council - Environmental Health Department** Council Offices, Cecil Street, Margate, Kent, CT9 1XZ	Telephone: 01843 577000 Fax: 01843 290906 Website: www.thanet.gov.uk
8	**Kent County Council - Waste Management Group** Block H, The Forstal, Beddow Way, Aylesford, Kent, ME20 7BT	Telephone: 01622 605976 Website: www.kent.gov.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.

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
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
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
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
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

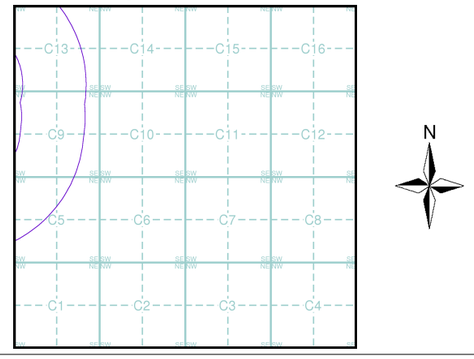
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

Envirocheck®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:10,560	1877	2
Kent	1:10,560	1898 - 1899	3
Kent	1:10,560	1908	4
Kent	1:10,560	1908	5
Kent	1:10,560	1931 - 1932	6
Kent	1:10,560	1931	7
Kent	1:10,560	1938	8
Kent	1:10,560	1947 - 1951	9
Historical Aerial Photography	1:10,560	1947 - 1949	10
Historical Aerial Photography	1:10,560	1947 - 1949	11
Ordnance Survey Plan	1:10,000	1961 - 1962	12
Ordnance Survey Plan	1:10,000	1969	13
Ordnance Survey Plan	1:10,000	1973 - 1977	14
Ordnance Survey Plan	1:10,000	1979	15
Ordnance Survey Plan	1:10,000	1991 - 1995	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2016	18

Historical Map - Slice C



Order Details

Order Number: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 635690, 165350
Slice: C
Site Area (Ha): 306.39
Search Buffer (m): 1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Envirocheck®

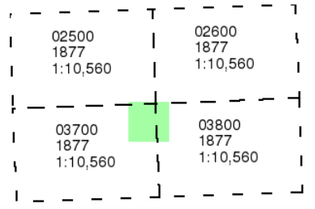
Kent

Published 1877

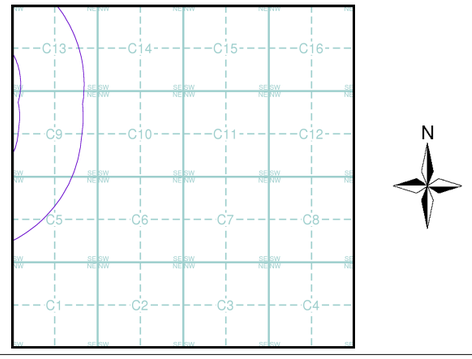
Source map scale - 1:10,560

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 C



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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Envirocheck®

Kent

Published 1898 - 1899

Source map scale - 1:10,560

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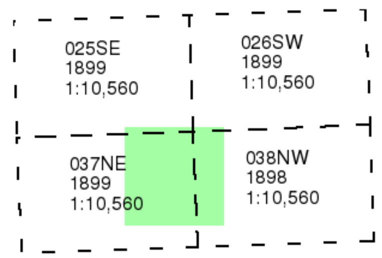
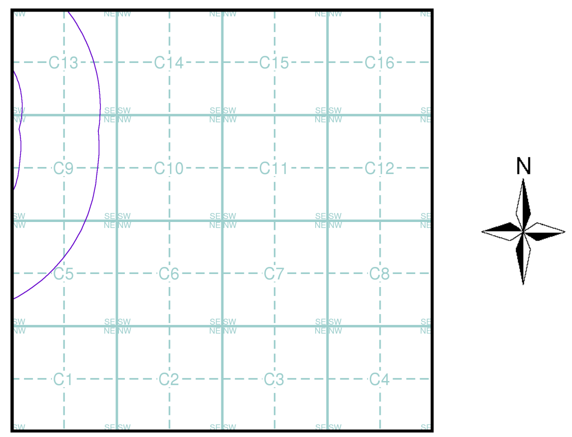


Historical Map - Slice C



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Kent

Published 1908

Source map scale - 1:10,560

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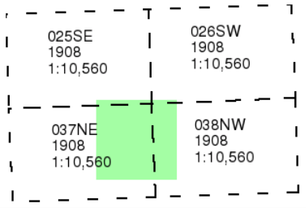
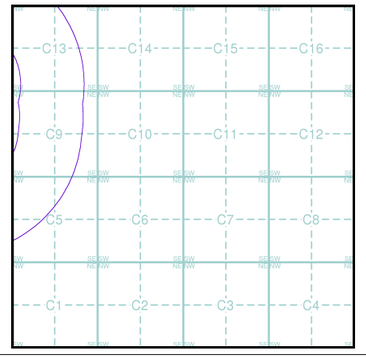


Historical Map - Slice C



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Kent

Published 1908

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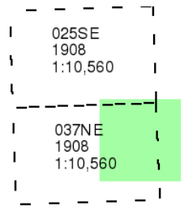
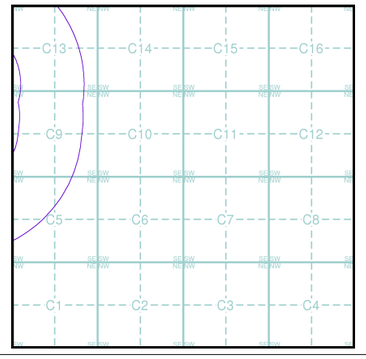


Historical Map - Slice C



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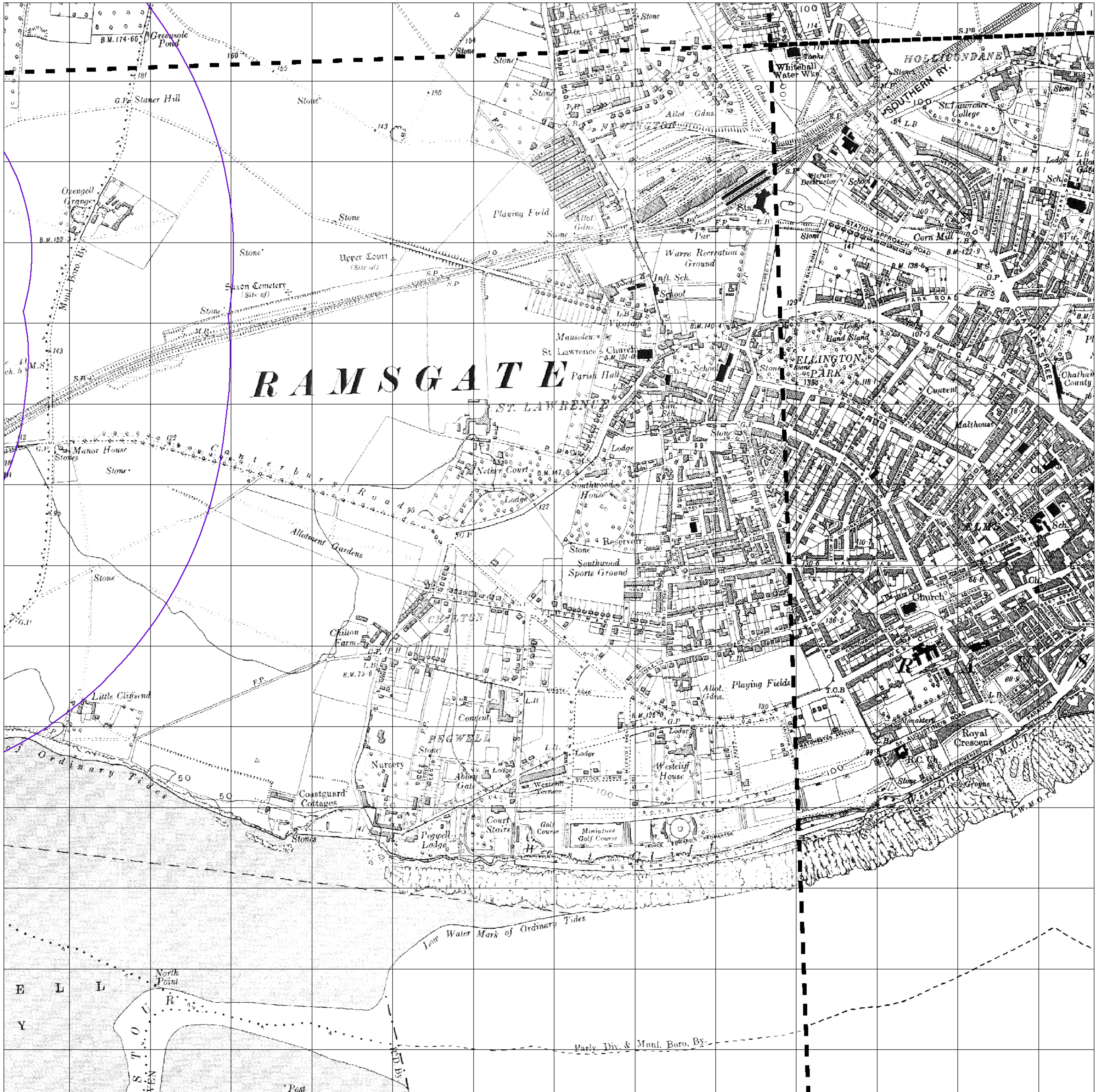

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Kent

Published 1931 - 1932

Source map scale - 1:10,560

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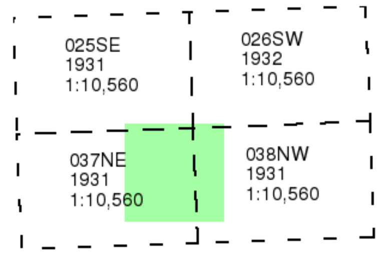
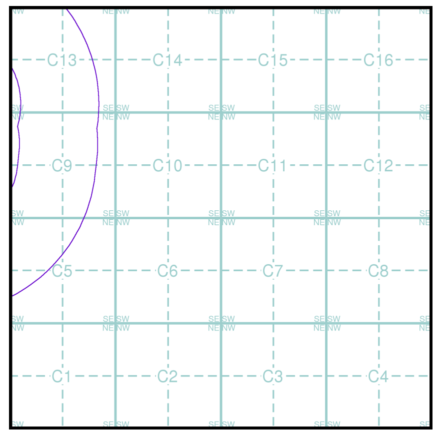


Historical Map - Slice C



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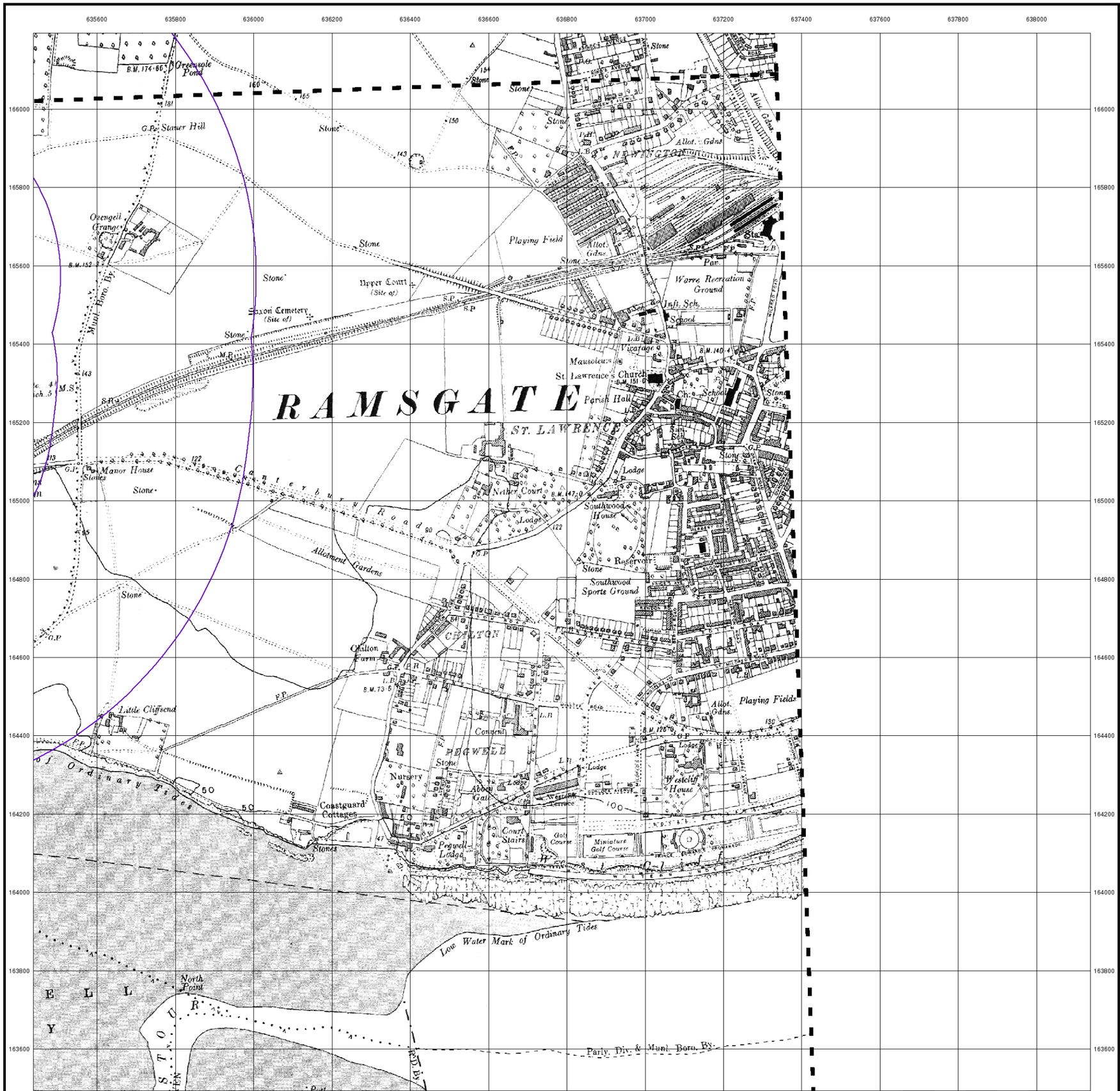

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Kent

Published 1931

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.

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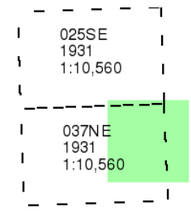
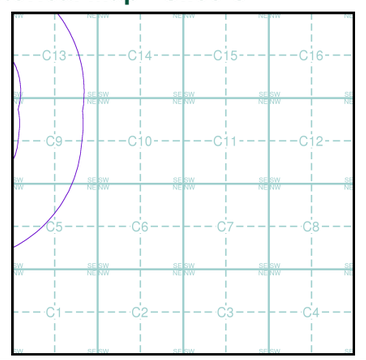


Historical Map - Slice C



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Kent

Published 1938

Source map scale - 1:10,560

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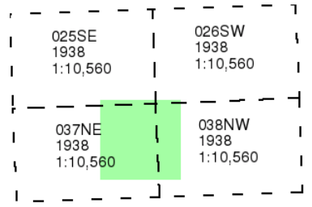
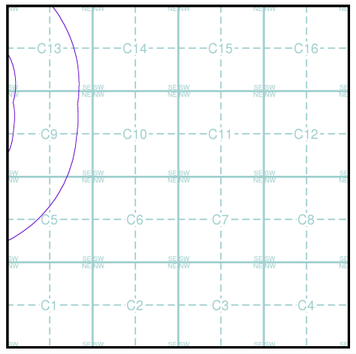


Historical Map - Slice C



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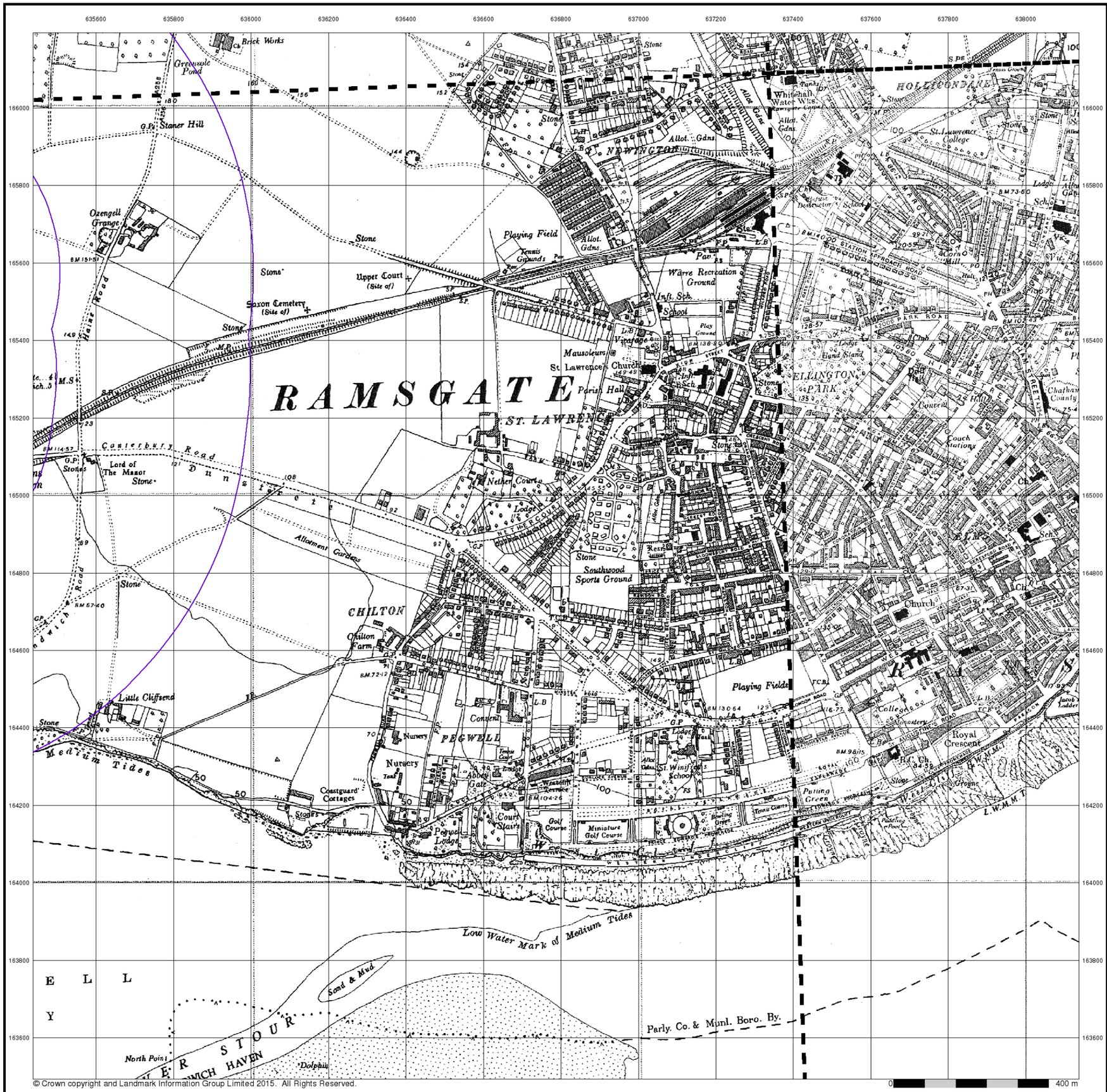

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Kent

Published 1947 - 1951

Source map scale - 1:10,560

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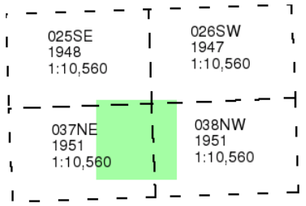
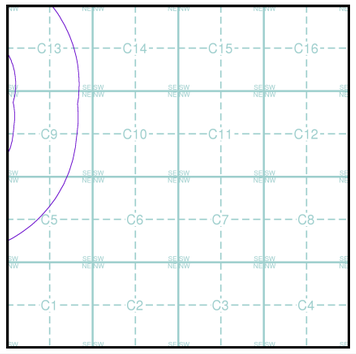


Historical Map - Slice C



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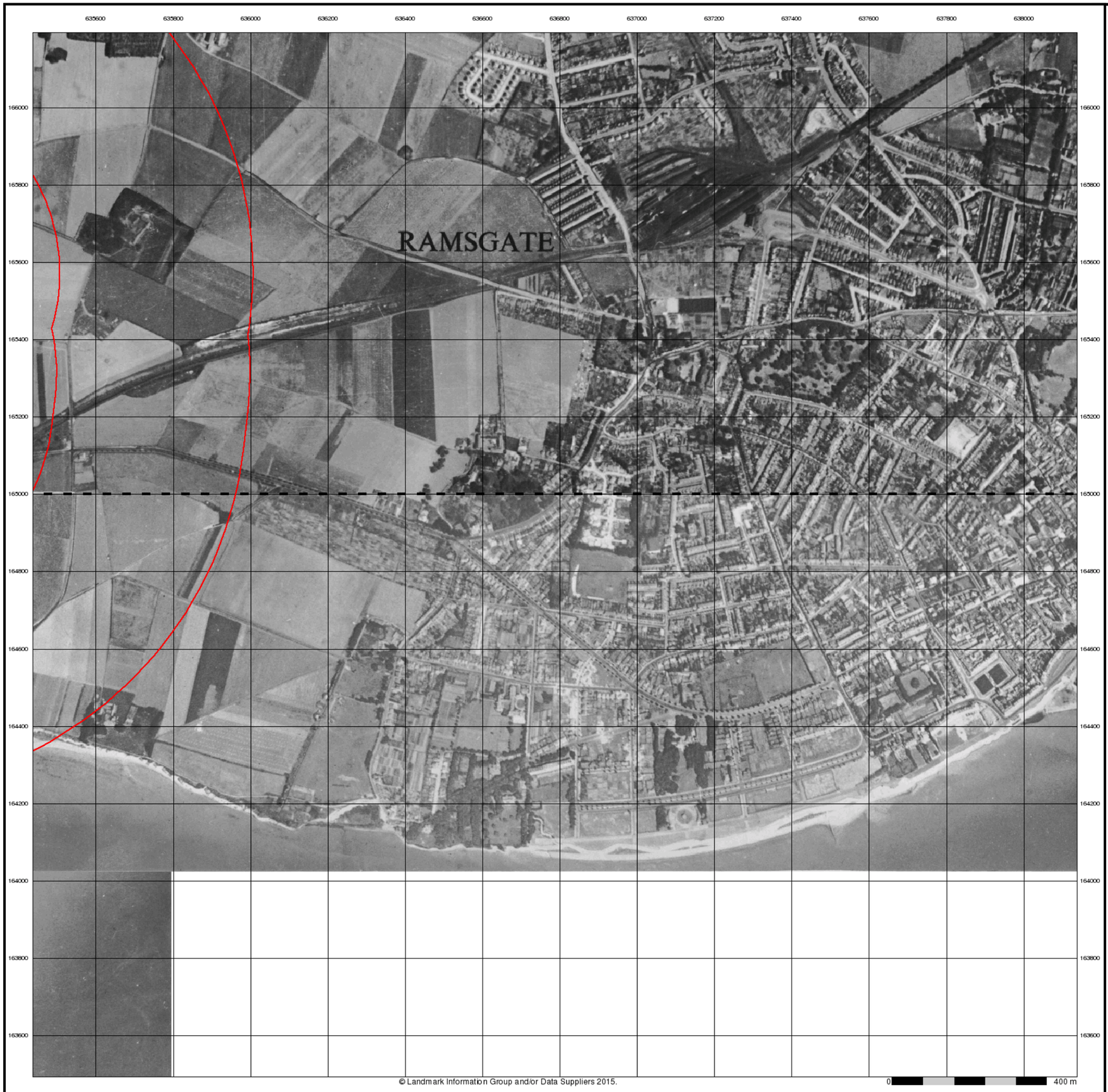


0 400 m

Envirocheck®

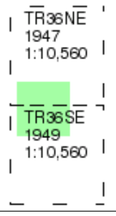
Historical Aerial Photography

Published 1947 - 1949

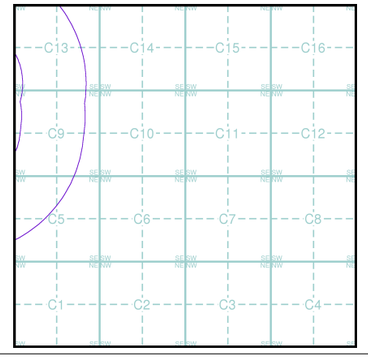
Source map scale - 1:10,560

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.

Map Name(s) and Date(s)



Historical Aerial Photography - Slice C



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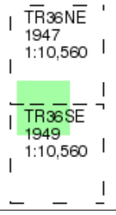
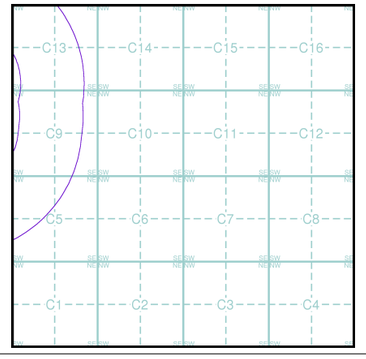


Historical Aerial Photography - Slice C



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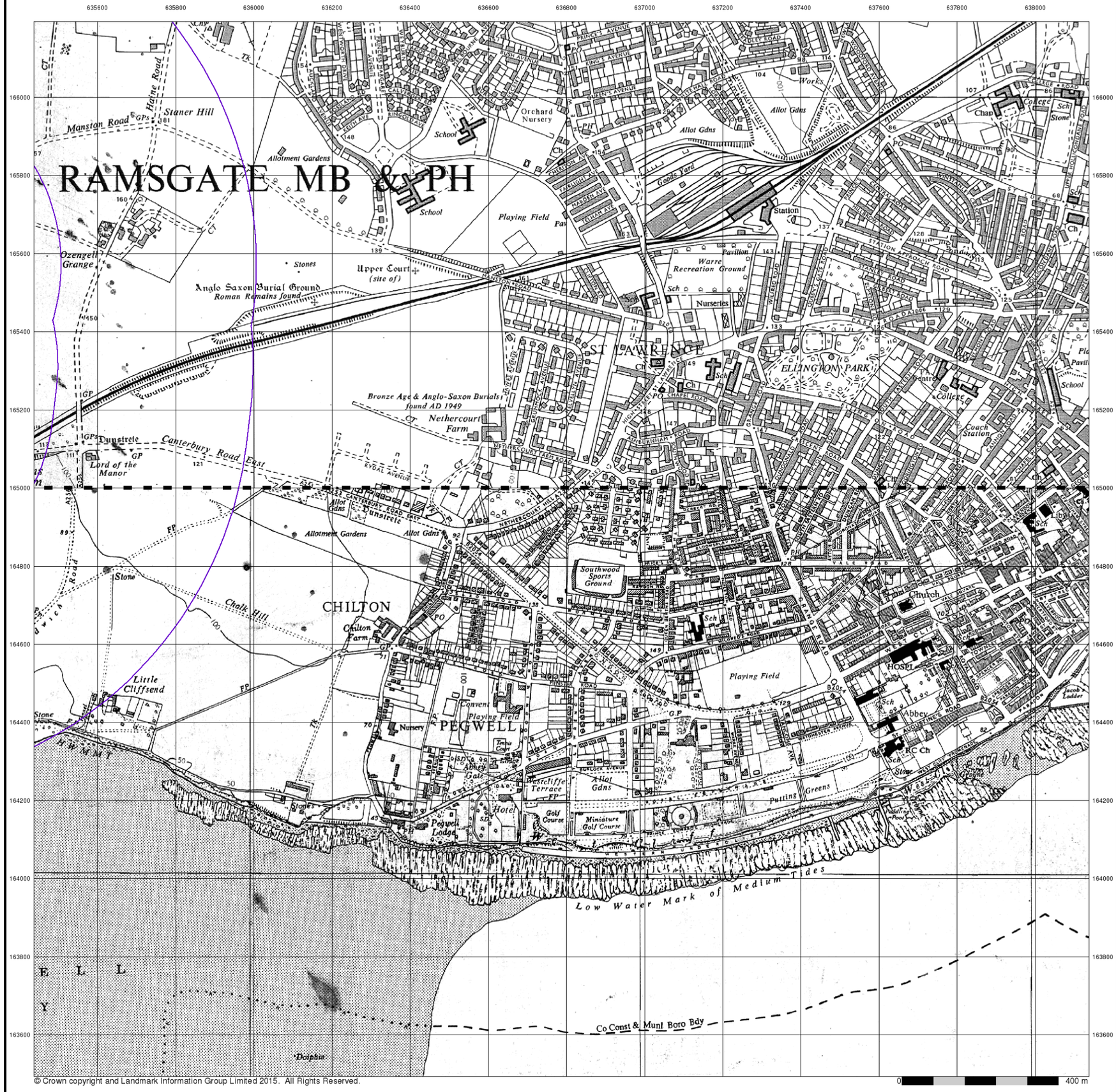

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Ordnance Survey Plan

Published 1961 - 1962

Source map scale - 1:10,000

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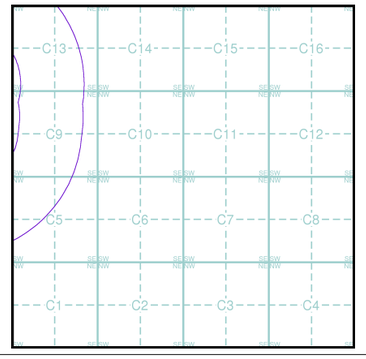
Map Name(s) and Date(s)

TR36NE
1962
1:10,560

TR36SE
1961
1:10,560

Historical Map - Slice C



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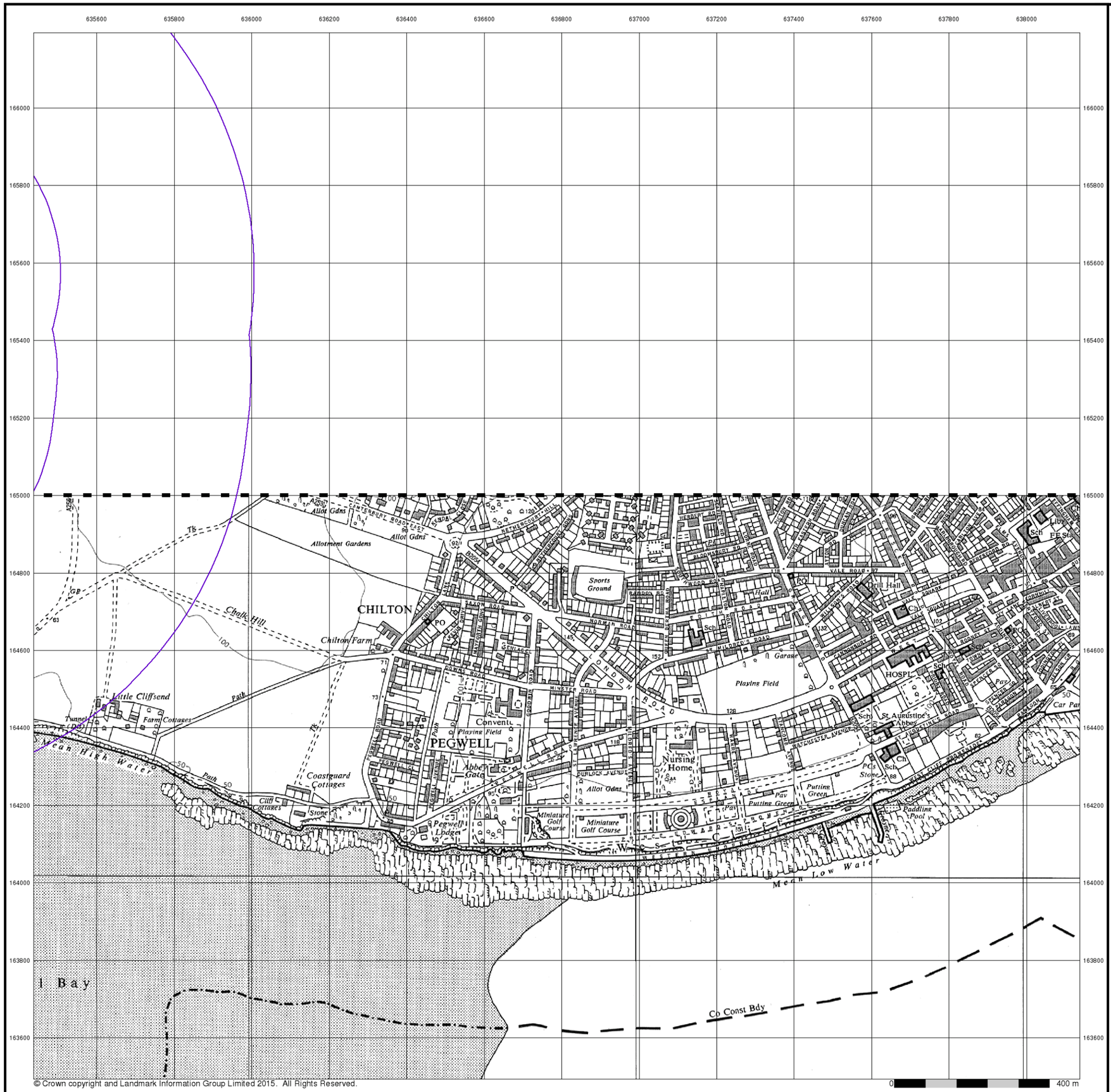

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Ordnance Survey Plan

Published 1969

Source map scale - 1:10,000

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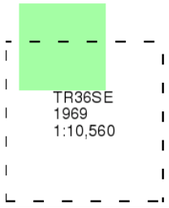
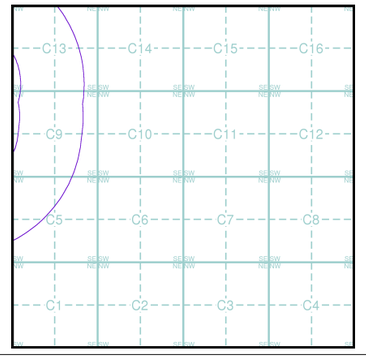


Historical Map - Slice C



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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Ordnance Survey Plan

Published 1973 - 1977

Source map scale - 1:10,000

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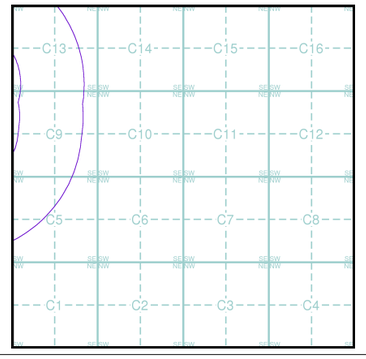
Map Name(s) and Date(s)

TR36NE
1973
1:10,000

TR36SE
1977
1:10,000

Historical Map - Slice C



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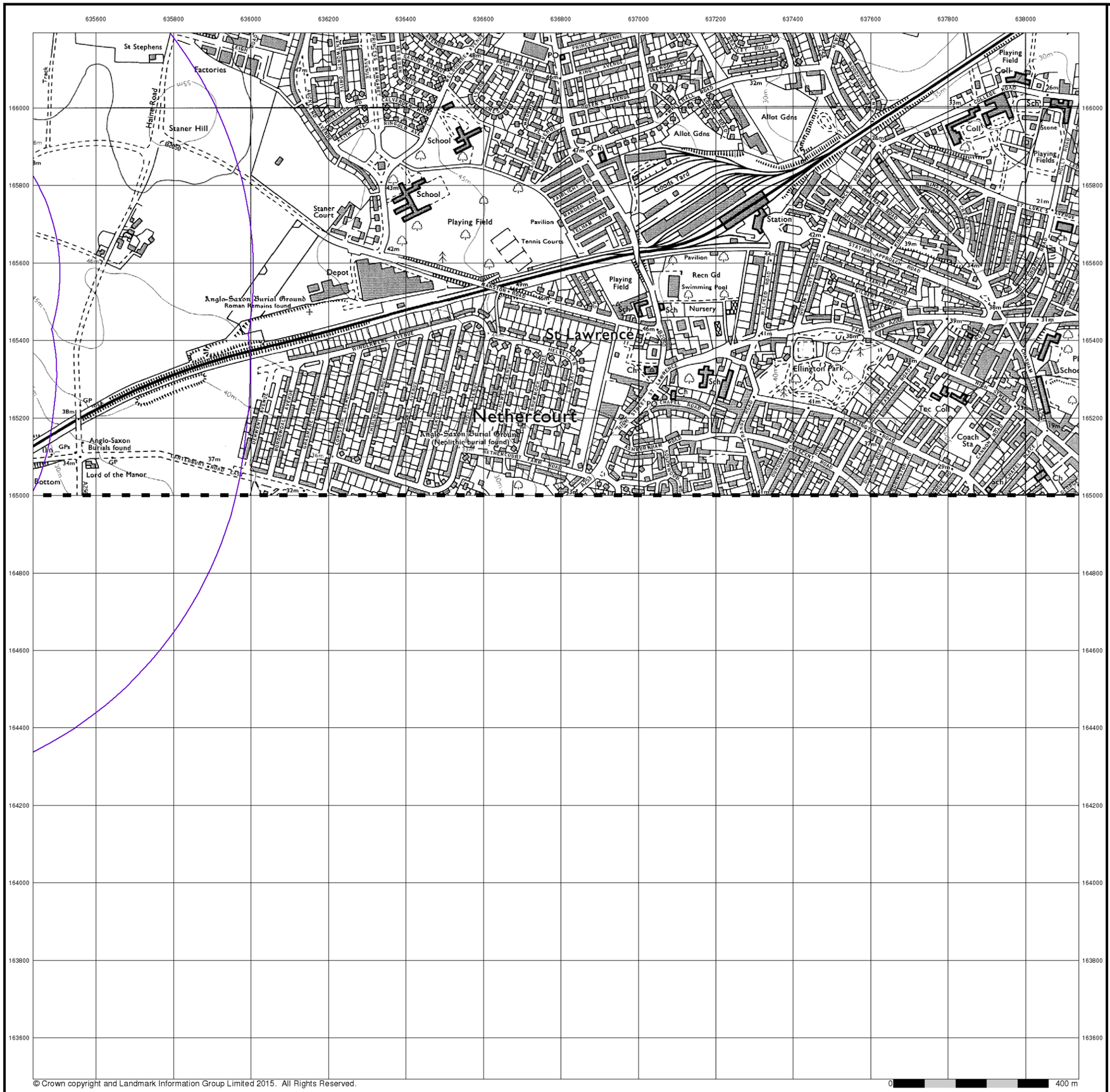

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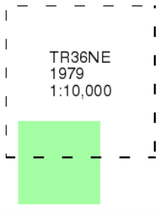
Ordnance Survey Plan

Published 1979

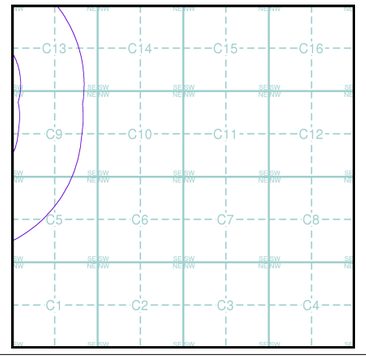
Source map scale - 1:10,000

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 C



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Ordnance Survey Plan

Published 1991 - 1995

Source map scale - 1:10,000

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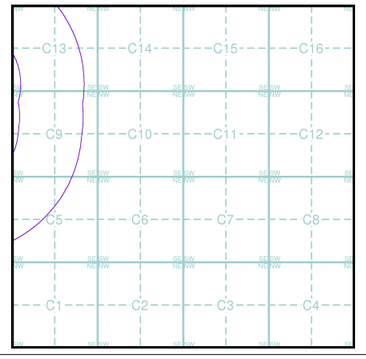
Map Name(s) and Date(s)

TR36NE
1995
1:10,000

TR36SE
1991
1:10,000

Historical Map - Slice C



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

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10k Raster Mapping

Published 2006

Source map scale - 1:10,000

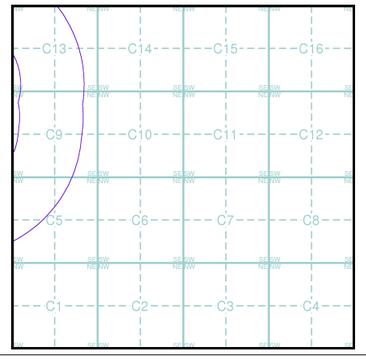
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks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

TR36NE
2006
1:10,000

TR36SE
2006
1:10,000

Historical Map - Slice C



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

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VectorMap Local

Published 2016

Source map scale - 1:10,000

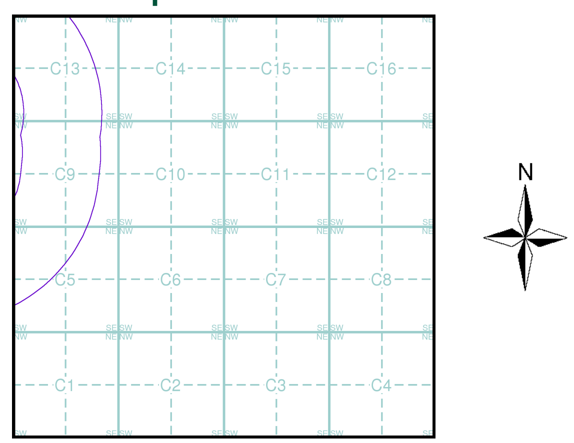
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap 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)

TR36NE
2016
Variable

TR36SE
2016
Variable

Historical Map - Slice C



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

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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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

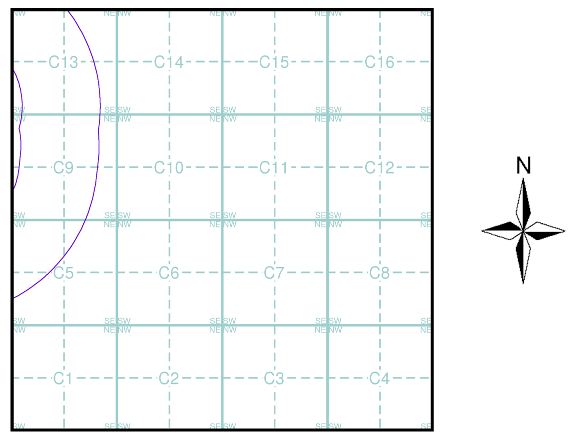
Waste

- 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
- 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

Site Sensitivity Map - Slice C



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
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Site Details

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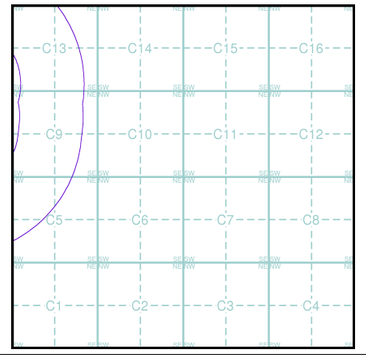
General

- Specified Site
- Specified Buffer(s)
- X 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 C



Order Details

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Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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Envirocheck®

General

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

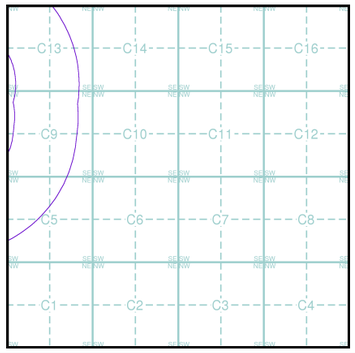
Agency and Hydrological (Boreholes)

- 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 C



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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General

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

Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature

Contours (height in metres)

Standard Contour 105 100 95

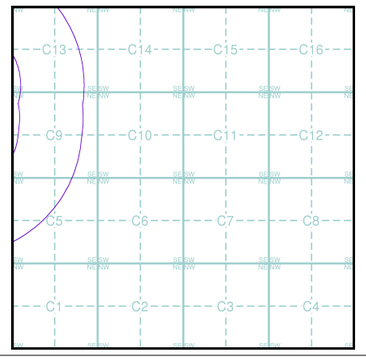
Master Contour

Spot Height *167.3

MLW Mean Low Water

MHW Mean High Water

EA/NRW Detailed River Network Map - Slice C



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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General

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

Risk of Flooding from Surface Water

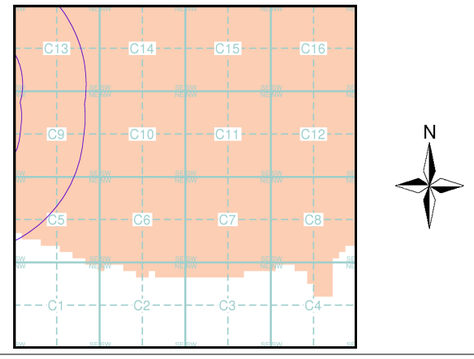
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice C



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National Grid Reference:	635690, 165350
Slice:	C
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General

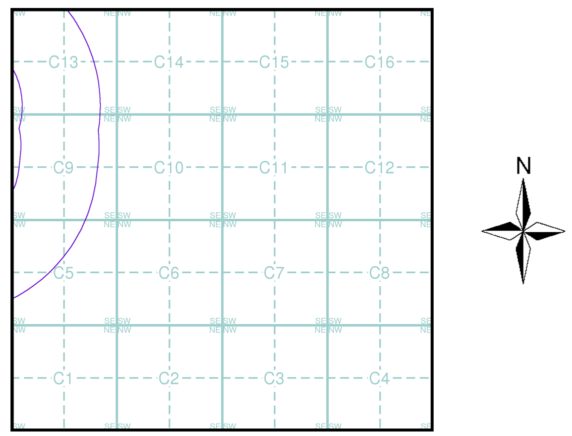
Specified Site　Specified Buffer(s)　X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice C



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National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

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General

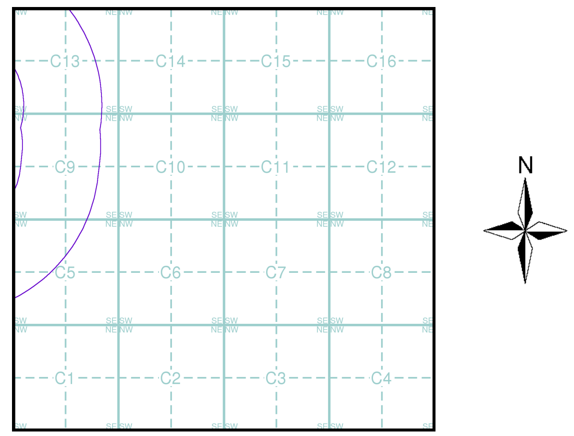
Specified Site   Specified Buffer(s)   X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice C



Order Details

Order Details:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	635690, 165350
Slice:	C
Site Area (Ha):	306.39
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Site Details

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0 400 m

C1 C2 C3 C4

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General

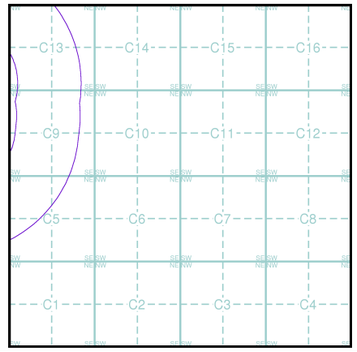
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice C



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General

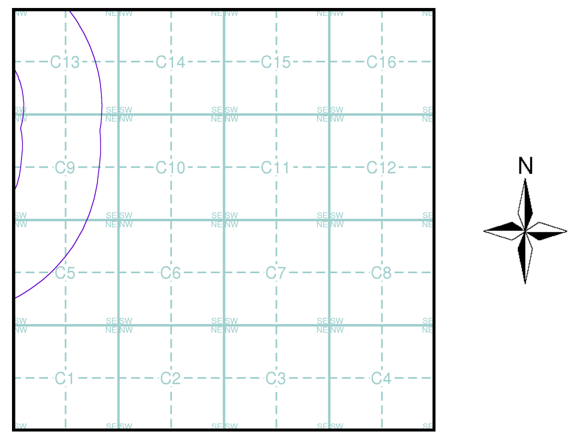
Specified Site   Specified Buffer(s)   X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- < 150
- 150 - 300
- 300 - 600
- 600 - 900
- > 900

Estimated Soil Chemistry Lead - Slice C



Order Details

Order Details: 82787389_1_1
Customer Ref: 38199-15
National Grid Reference: 635690, 165350
Slice: C
Site Area (Ha): 306.39
Search Buffer (m): 1000

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General

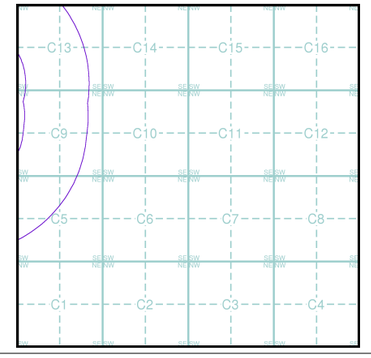
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice C



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Slice:	C
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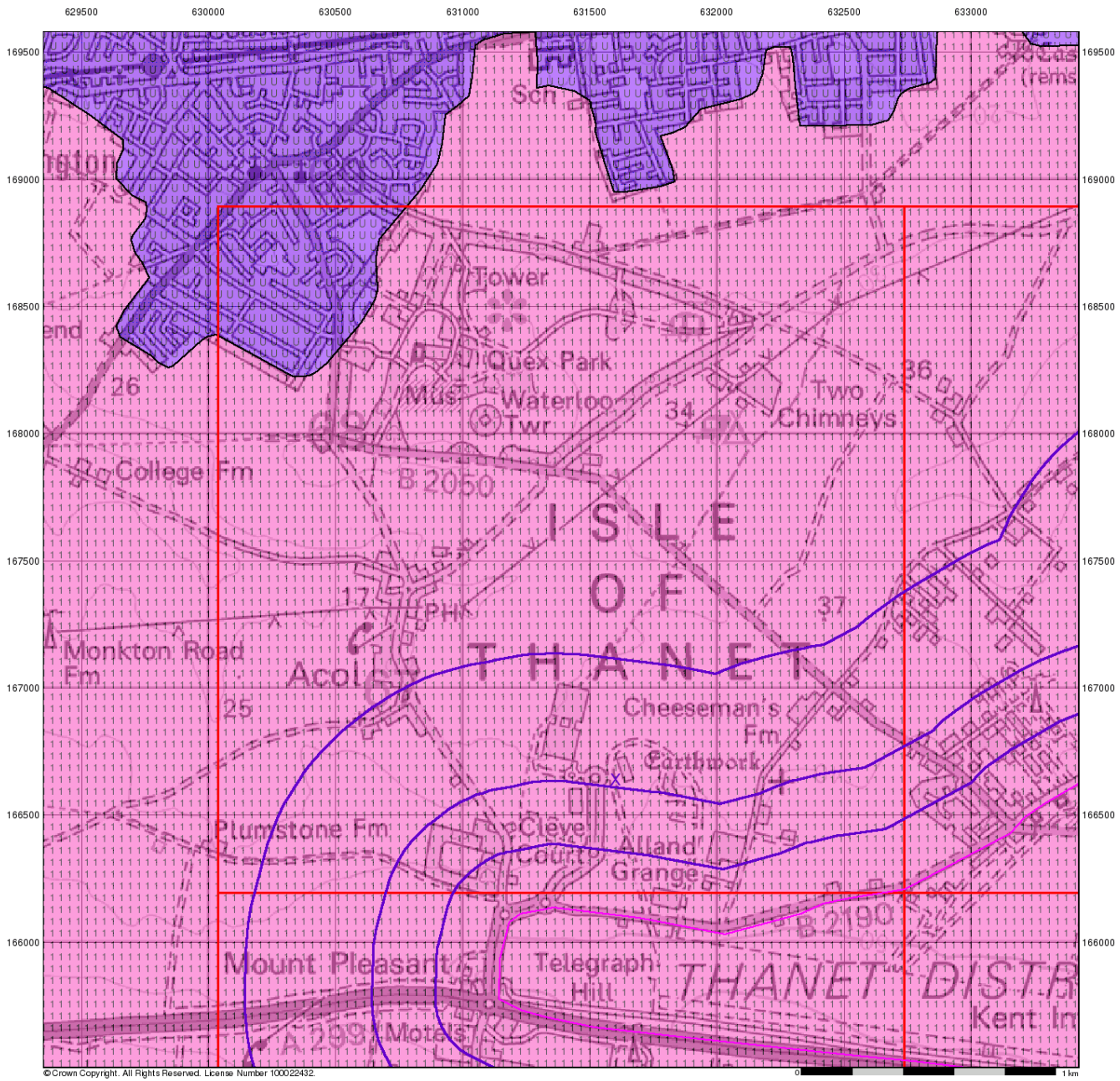


Groundwater Vulnerability

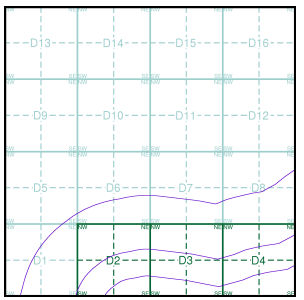
General

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

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice D



Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631600, 166640
Slice:	D
Site Area (Ha):	306.39
Search Buffer (m):	1000

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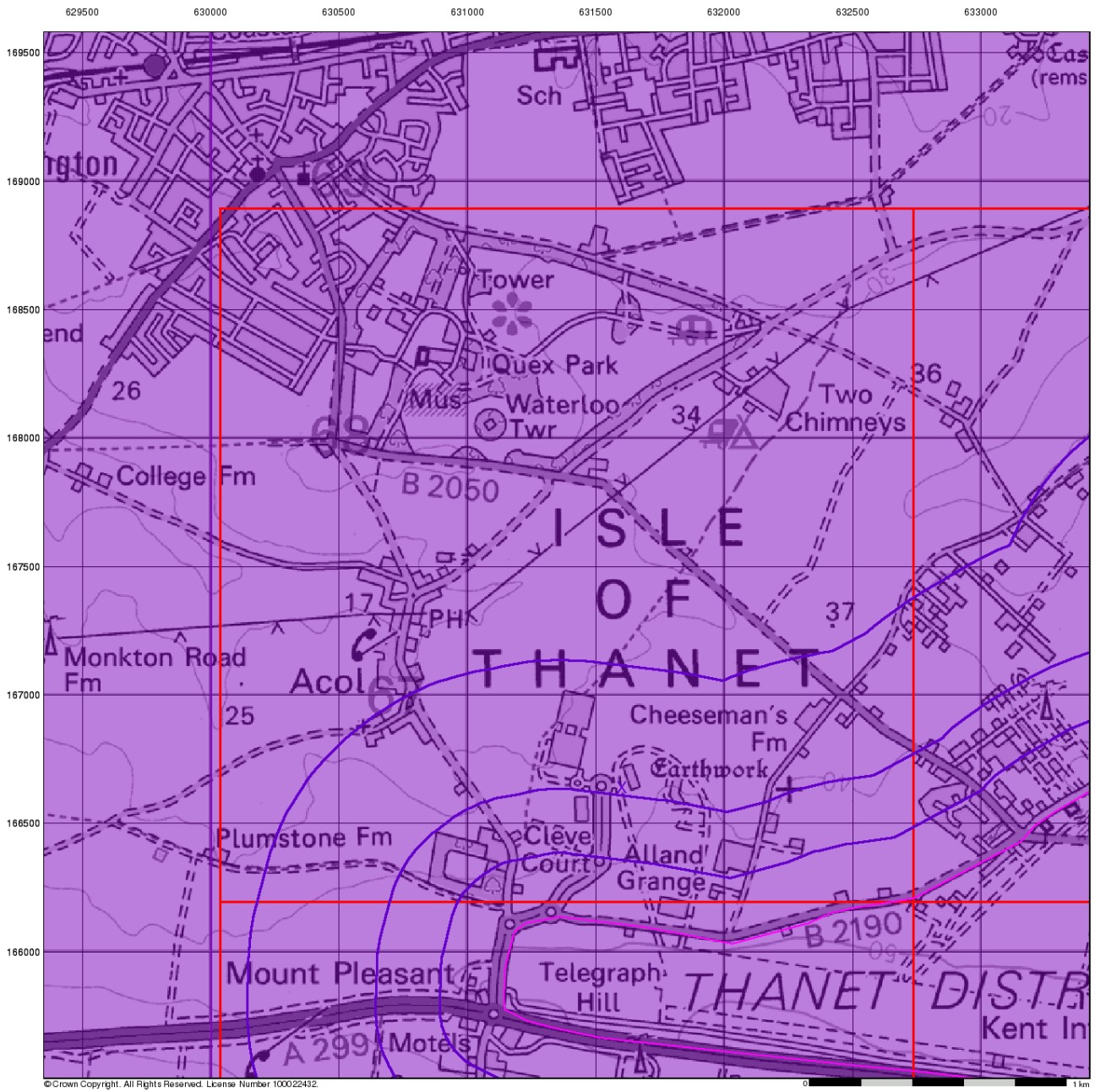

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Bedrock Aquifer Designation

General

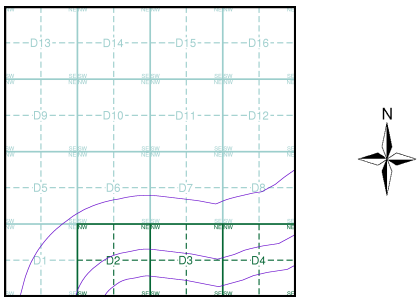
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice D

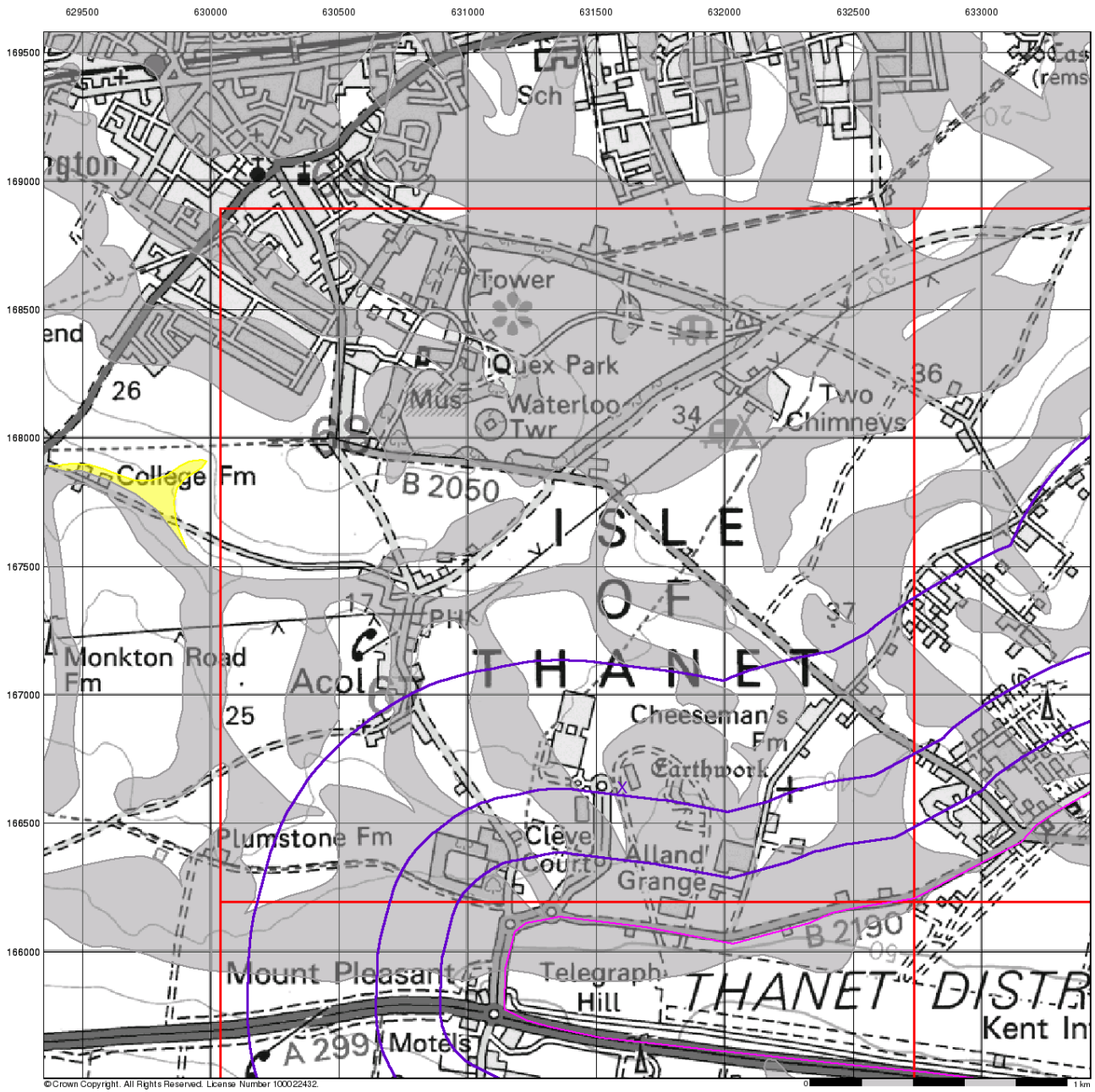


Order Details

Order Number:	82787389_1_1
Customer Ref:	38199-15
National Grid Reference:	631600, 166640
Slice:	D
Site Area (Ha):	306.39
Search Buffer (m):	1000

Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL



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Superficial Aquifer Designation

General

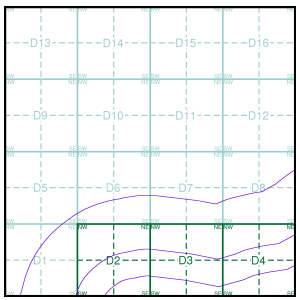
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice D



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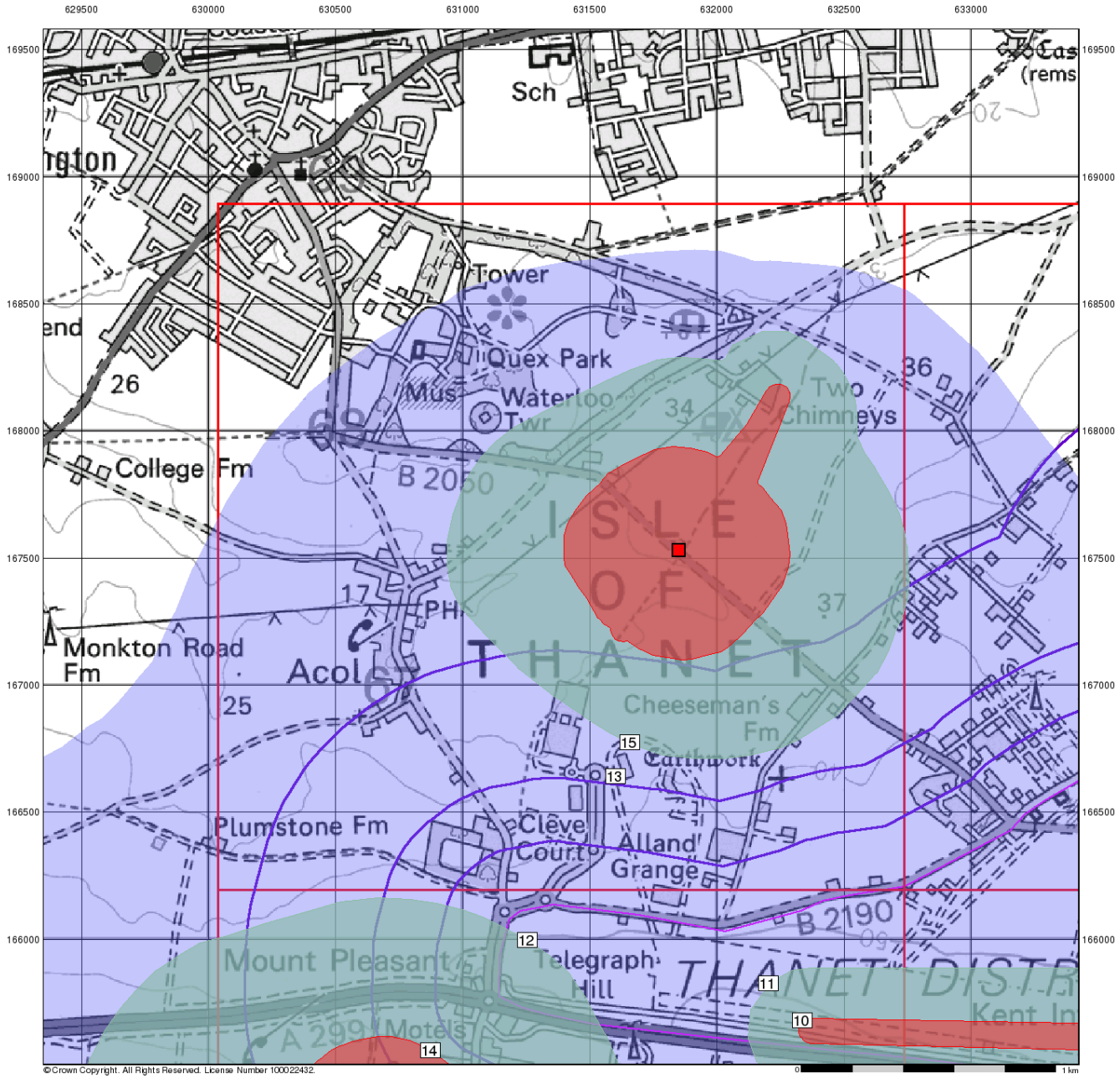
Site Details

Kent International Airport Ltd, Kent International Airport, Manston, RAMSGATE, Kent, CT12 5BL

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



Source Protection Zones

General

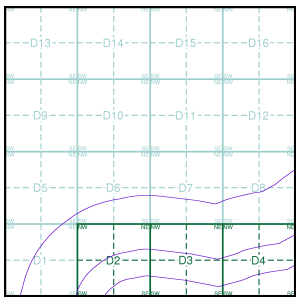
Specified Site | Specified Buffer(s) | Bearing Reference Point

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)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice D



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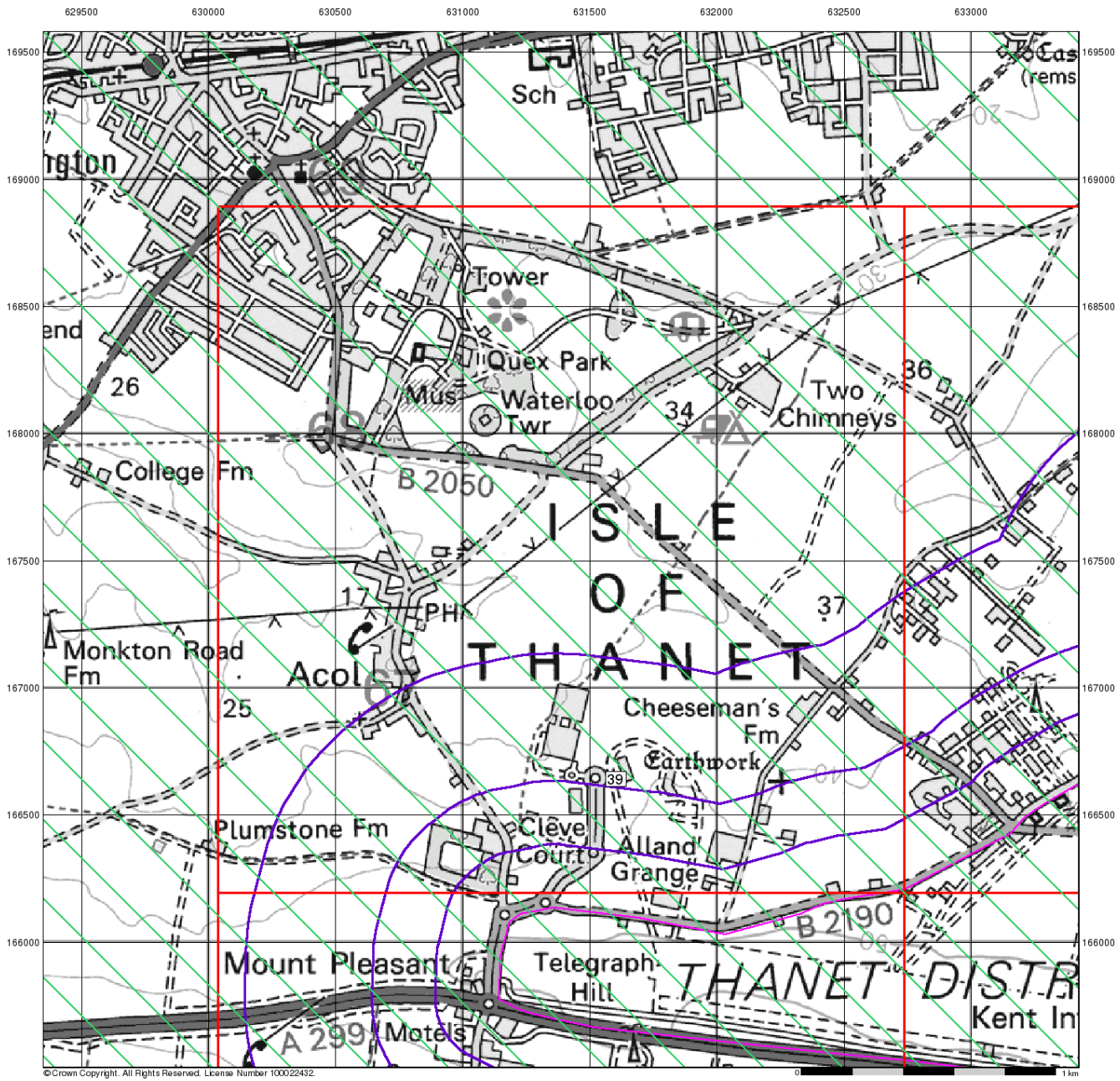


Envirocheck®

Sensitive Land Uses

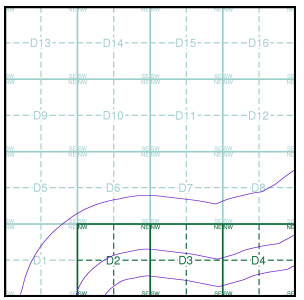
General

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

Sensitive Land Uses

- 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

Site Sensitivity Context Map - Slice D



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