

planning
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Appendix 9.1: WKN Desk Study Ground Conditions Preliminary Risk Assessment

Wheelabrator Kemsley (K3 Generating Station) and Wheelabrator Kemsley North (WKN)
Waste to Energy Facility DCO

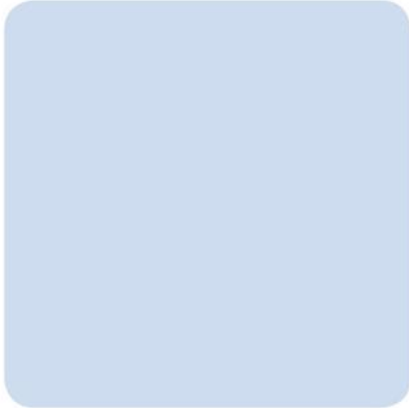
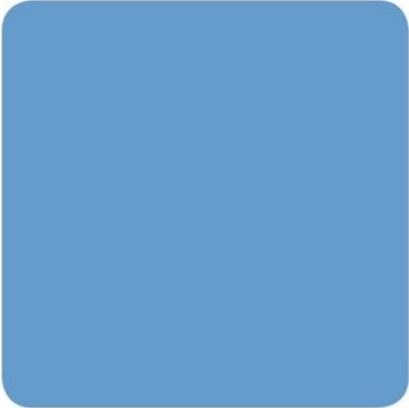
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Desk Study and Preliminary Risk Assessment
Wheelabrator Kemsley North (WKN), Kemsley Paper Mill
On Behalf Of Wheelabrator Technologies Incorporated (WTI)



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1 Introduction

1.1 Background

1.1.1 RPS Planning and Environment ('RPS') was commissioned by Wheelabrator Technologies Inc. (herein shortened to WTI and referred to as 'the Applicant') to undertake a Phase 1 Desktop Study (DTS) and Preliminary Risk Assessment (PRA) report to support a Development Consent Order (DCO) for the construction of a new single-line waste-to-energy plant (WKN Proposed Development) at the Kemsley Paper Mill, Sittingbourne, Kent, ME10 2TD (referred to as the 'WKN Site').

1.2 Proposed Development

1.2.1 The WKN Proposed Development is set adjacent to the existing paper mill ('The Kemsley Paper Mill Site') operated by DS Smith and lies to the north of the adjoining K3 facility that, at the time of writing, is under construction.

1.2.2 As outlined in the Request for Scoping Opinion for the WKN Proposed Development (Ref. 1), RPS understands the following:

- The WKN Proposed Development comprises the construction and operation of a new waste-to-energy plant. The facility would comprise a single line facility capable of processing 390,000 tonnes of waste per annum, with a generating capacity of 42MW,
- The facility will comprise a series of interlinked buildings, with the key buildings identified as being:
 - Fuel reception and storage facilities;
 - Combustion system housed within a turbine hall;
 - Bottom ash handling system, including storage hall and ash collection bay;
 - A flue gas treatment system, including residues and reagent storage silos and tanks;
 - A stack and associated emissions monitoring systems;
 - A cooling system comprising air cooled condenser (ACC) units;
 - Other associated supporting facilities.
- All waste will be delivered in HGVs or collection vehicles and via a weighbridge, the waste will be tipped in the tipping hall prior to combustion.

1.2.3 The WKN Proposed Development includes a total of 7 Works Areas, as shown in *Figure 2.3*, and includes:

- The WKN Site (Works Area 2);
- Access / Haulage Roads (Works Areas 4 and 5);
- Construction Laydown Area (Works Area 6); and
- Surface Water Outfall (Works Area 7).

- 1.2.4 The purpose of undertaking this assessment is to:
- Assess the potential for the presence of ground contamination and associated ground gas risks at the WKN Site and adjacent areas as a result of former and current land uses at and in the local vicinity of the WKN Site;
 - To provide an overview of the environmental setting of the WKN Site and adjacent areas; and
 - To identify potential contamination sources to enable a Preliminary Risk Assessment (PRA) to be undertaken.
- 1.2.5 The assessment also considers a preliminary appraisal of ground stability to provide an indication of potential geotechnical considerations for the proposed development.
- 1.2.6 The assessment has been undertaken to a standard that is considered suitable to meet the initial requirements of planning as outlined within the National Policy Statements (NPS) and National Planning Policy Framework (NPPF) (Ref. 2).
- 1.2.7 The WKN Proposed Development layout is presented in Drawing 1371 SK138.

1.3 Objectives

- 1.3.1 The objectives of this assessment are to:
- Assess likely existing ground conditions, including geological, hydrogeological and hydrological conditions to establish baseline conditions and allow an assessment of environmental sensitivity;
 - Identify potential contamination sources, both from historical and current activities, that may have led to contamination of the WKN Site and areas associated with Works Areas 3,4,5,6 & 7; and
 - Develop a PRA including a Conceptual Site Model (CSM) to support an assessment of the likely risks associated with potential contamination at the WKN Site.
- 1.3.2 The methodology followed to produce this DTS and PRA is detailed in Appendix 1.

1.4 Previous Reports

- 1.4.1 RPS understands that there has been several phases of ground investigation previously undertaken in the vicinity of the WKN Site, and these have included a number of exploratory holes within the current WKN Site boundary. The following reports have been reviewed as part of the information review undertaken for this report:
- RPS Group, 'Phase 1 Environmental Site Assessment, Kemsley Paper Mill, Sittingbourne, Kent', on behalf of E.ON, March 2009, reference: 'JER3773 R 090318 LW Kemsley Paper Mill P1' (Ref. 3);

- RPS Group, 'Phase 2 Intrusive Site Investigation, Kemsley Paper Mill, Sittingbourne, Kent', on behalf of E.ON, September 2009, Reference: 'JER4418 R 090909 AP EON Kemsley Mill Phase II' (Ref. 4);
- RPS Group, 'Development of a Sustainable Energy Plant, Kemsley Paper Mill, Environmental Statement, Chapter 11: Hydrogeology and Ground Conditions', prepared for St. Regis Paper Company Ltd, January 2010, Reference: 'DLE1726' (Ref. 5);
- URS Group, '*Geotechnical and Environmental Site Investigation*', on behalf of John Sisk & Sons Ltd, January 2013, reference: '47064660' (Ref. 6).
- RPS Group, 'Interpretative Ground Investigation Report, Pre-Commencement Works for the Sustainable Energy Plant, Kemsley Paper Mill, Sittingbourne, Kent', on behalf of EEW Energy from Waste UK Limited, June 2013, reference: 'JER5481 R 130613 DH Interpretative Report' (Ref. 7); and
- RPS Group, 'Site Investigation Report, Kemsley Paper Mill' on behalf of Wheelabrator Technologies Inc. December 2015, reference: '151202 R JER6773 RH GI Report PT Review' (Ref. 8).

1.4.2 A summary of information gained from this review is presented in Section 5.

1.5 Limitations of the Desktop Study

1.5.1 This assessment is limited to the information available at the time of production including a Landmark Envirocheck Report (Appendix 2) published environmental / geological data, observations made during a site reconnaissance visit undertaken by a consultant from RPS on 25th October 2018 and a review of the available ground investigation reports.

2 Site Location and Description

2.1 Overview

2.1.1 This section sets out details of the location and general layout of the WKN Site, as well as detailing findings of the site reconnaissance.

2.2 Site Location

2.2.1 A summary of the site location details is presented in Table 2-1.

Table 2.1 Site Location Summary

ITEM	DESCRIPTION/DETAIL
Site Address	DS Smith, Kemsley Paper Mill, Sittingbourne, Kent, ME10 2TD
OS Grid Reference Centre	(NGR) 592160, 166730
Approximate Area	2.44ha
Site Location	<p>The WKN Site is located on the eastern boundary of the wider Kemsley Paper Mill Site, to the north of the K3 area that is currently under construction.</p> <p>The Kemsley Paper Mill site is situated approximately 3.2km northeast of Sittingbourne train station, and approximately 1.6km east of the A249. The WKN Site is bound by The Swale to the east, unused land to the north, the K3 development to the south and the Kemsley Paper Mill to the west.</p>
Topography	The WKN Site is located at approximately 6.3mAOD (metres above Ordnance Datum) and is generally level with some areas uneven. There is a slight downward slope from the east to the west of the site.

2.3 Current Site Land Use

2.3.1 The WKN Site is currently in use as a car park, office and construction lay down area for K3 being constructed at the time to the south.

2.4 Site Reconnaissance

2.4.1 A site reconnaissance survey was undertaken on 25th September 2018 by an RPS Consultant. The main findings of the site reconnaissance survey are detailed below.

2.4.2 Photographs of the WKN Site taken during the site walkover are provided in Appendix 3.

2.4.3 The WKN Site is adjacent to the Kemsley Paper Mill site which lies to the west. The Applicant-operated adjacent K3 site directly to the south of the WKN Site is currently under construction. The WKN Site is currently used as a car park, office and construction lay down area for K3.

- 2.4.4 The WKN Site is generally level, although it is uneven in places and there is a slight downward slope from the east to the west.
- 2.4.5 The majority of the WKN Site comprises a car park with a fairly level surface primarily covered by hardstanding but with some areas covered by gravel. Along the western and southern borders of the WKN Site are temporary construction offices and containers associated with the construction of K3.
- 2.4.6 A ditch runs along the northern boundary of the WKN Site and in the south western corner is a fenced off area containing a remote mixing station for mortar.
- 2.4.7 The smaller, eastern area of the WKN Site is separated from the car park by fencing and comprises a construction lay down area. This area appears to comprise of made ground and gravel/rubble although it is largely covered by construction materials and plant. No hardstanding is present in this area. The southern area of this eastern part of the WKN Site, where there is currently an access track for plant to the K3 construction site, was waterlogged.
- 2.4.8 An IBC filled with an unknown liquid was noted to be present along the northern boundary of the laydown area. The IBC appeared to be in good condition and there was no evidence of leaks or spills around the IBC.
- 2.4.9 No evidence of contamination was noted to be present at the WKN Site and all temporary structures and equipment appear to be in good condition and well maintained.

3 Land Use

- 3.1.1 This section sets out details of the current and historical land use of the WKN Site and the surrounding area (Table 3.1). The data presented does not represent full details of all land uses, but those that are considered to have the potential to have led to contamination of the WKN Site. For full details of the land use, reference should be made to the Envirocheck Report included within Appendix 2.

Table 3.1 Land Use

Section	Description/Information	Comments / Potential Contamination Sources		
Site Size	The Site is approximately 2.44 hectares in size.	N/A		
Current Site Description / Layout*	The Assessment Site is currently in use as a car park, office and construction lay down area for the K3 facility being constructed at the time to the south.	Storage of an unknown liquid was observed in an IBC, although the IBC was in good conditions and there was no evidence of leaks and spills.		
Current Neighbouring Land Uses* (500m)	<p>South</p> <ul style="list-style-type: none"> ▪ Sewage Treatment with filter beds and water reservoirs (360m) ▪ Sittingbourne and Kemsley Light Railway (420m) <p>South east</p> <ul style="list-style-type: none"> ▪ Infilled land, to be developed for K3 CHP (0m) <p>East</p> <ul style="list-style-type: none"> ▪ The Swale (20m) <p>North</p> <ul style="list-style-type: none"> ▪ Kemsley Marshes (0m) ▪ Sewage Treatment Beds (240m) ▪ Recycling facility (500m) <p>West</p> <ul style="list-style-type: none"> ▪ Kemsley Paper Mill Site (0-500m) 	<p>Potential organic and inorganic sources from the infilled land, adjacent paper mill and sewage treatment beds.</p> <p>No other potentially significant off-site sources of contamination were noted.</p>		
Site History** <i>(Labelled features from the maps are given here in italics)</i>	Date		On-site Land Uses	
	From	To		
	1869	1896		Area called <i>Kemsley Marshes</i> . Streams were present, as were embankments. The north-eastern embankment separated off an area of osiers (similar to a coppice) close to the river edge. The river bank was in a slightly different orientation to present day. A <i>Sheepfold</i> or <i>Sheepwash</i> is shown.
	1896	1908		Osiers area in the far north now labelled as <i>Saltings</i> . The river bank is as per the present day orientation.
	1908	1939		Area in the far north no longer labelled as <i>Saltings</i> .
	1939	1964		An area of shingle is shown in the southwest of site and beyond.
	1964	1966		A <i>Conveyor</i> is shown from the central area of the Site, heading northeast to a jetty on the Swale. A railway track (end of the line) and a number of small
		<p>The following have been identified as potential historical on-site sources of contamination:</p> <ul style="list-style-type: none"> ▪ The historical presence of a landfill; and ▪ The historical presence of railway into the WKN Site (inorganic and organic contamination). 		

Section	Description/Information			Comments / Potential Contamination Sources
			buildings are shown in the central area. The railway is oriented to the northwest where it connects to tracks going into the present day paper mill site. The streams and embankments are no longer shown.	
	1966	1978	The area of shingle is no longer shown in the southwest of site and beyond.	
	1978	1999	A <i>Refuse Tip</i> is shown in the eastern extent.	
	1999	2018	The <i>Refuse Tip</i> is no longer shown.	
	2018	Present day	All buildings and infrastructure are no longer shown and the site shows no features.	
	Date		Surrounding Land Uses	<p>A number of potential sources of contamination associated with the historical development of the surrounding land have been identified, including:</p> <ul style="list-style-type: none"> ▪ Areas of landfill to the south and south-east of the WKN Site; ▪ Infilled lakes and old clay pits (ground gas); ▪ Sub-stations and tanks as part of the Paper Mill and further west (inorganic and organic contamination, asbestos, PCBs); ▪ Railway lines (organic, inorganic contamination); <p>Whilst there are a number of other offsite potential historical contaminative uses (tanks, railway cuttings, works), given their distance and history the majority are considered unlikely to have led to contamination of the Site. The presence of a historical landfill below and extending offsite to the south and south-east of the WKN Site has the potential to impact the WKN Site.</p>
	From	To		
	1869	1898	<ul style="list-style-type: none"> ▪ A <i>Tram Road</i> extends northwest (400m southwest) ▪ <i>Wash Mill</i> and <i>Brick Field</i> (500m southwest) ▪ A <i>Tramway</i> runs SW-NE (>1000m-250m southwest) ▪ Areas to the southeast, east, north, and west are largely undeveloped pastures, marshes, and estuarine areas. ▪ <i>Castle Rough</i> historical fort (650m southwest) 	
	1898	1909	<ul style="list-style-type: none"> ▪ The <i>Tram Road</i> is now labelled as <i>Tramway</i> (400m southwest) ▪ <i>Old Clay Pit</i> with two adjoining buildings (500m southwest) ▪ <i>Brickworks</i> (450m southwest) ▪ A <i>Wharf</i> (500m south) ▪ Areas to the north (0m) in close proximity to The Swale are labelled as <i>Saltings</i> ▪ <i>Oyster Pond</i> (750m southeast) ▪ A <i>Tramway</i> running E-W, extending to a <i>Wharf</i> (250m north) 	
	1909	1938	<ul style="list-style-type: none"> ▪ <i>Grovehurst Dock</i> is now present (250m north) ▪ <i>Brickworks</i> now labelled as <i>Disused</i> (450m southwest) ▪ <i>Old Clay Pit</i> no longer shown (500m southwest) 	
	1938	1950	<ul style="list-style-type: none"> ▪ <i>Paper Mill</i> shown (150m southwest) ▪ The area of the former clay pit and adjoining buildings is still denoted, albeit not labelled (500m southwest) 	

Section	Description/Information		Comments / Potential Contamination Sources
		<ul style="list-style-type: none"> ▪ A building is shown on the river bank, unlabelled, with a <i>Tramway</i> extending to it (100m east) 	
	1950	<ul style="list-style-type: none"> ▪ An area of shingle is present adjoining the southern boundary ▪ <i>Tanks</i> are shown across the <i>Paper Mill</i> ▪ Three <i>Reservoirs</i> are shown (350m southwest) ▪ A <i>Tramway</i> extends from the southwest in a north-eastern direction past the Site. ▪ <i>Filter Beds</i>, <i>Filter Tanks</i> and <i>Sludge Beds</i> (250 south) ▪ <i>Grovehurst Dock</i> is now marked as <i>Disused</i> ▪ <i>Aerial Cables</i>, a <i>Conveyor</i> and a <i>Tramway</i> are shown (from 200m west) 	
	1966	<ul style="list-style-type: none"> ▪ A <i>Pipe line</i> is present extending from north of the site towards the disused dock ▪ 6 no. <i>Ponds</i> (later <i>Lagoons</i>) labelled as <i>Works</i> are present (150m southeast) ▪ A <i>Pond</i> is shown (100m north) ▪ The building shown on the river bank, is labelled with <i>Slipway</i> and <i>Navigation Lights</i>, with a <i>Tramway</i> extending to it (100m east) 	
	1979	<ul style="list-style-type: none"> ▪ The <i>Aerial Cables</i>, a <i>Conveyor</i> and a <i>Tramway</i> are no longer shown (from 200m west) ▪ An area of <i>Refuse Tip</i> is shown to the south and east of the Site. ▪ A <i>Spoil Heap</i> is shown (100m south) ▪ The disused dock to the north is now demarcated as two lakes surrounded by a track. ▪ A large <i>Electrical Grid Station</i> is present (1000m west) ▪ As part of the expansion of the paper mill site, several sub-stations and 'tanks' are now present ▪ The railway extending from the southwestern site boundary in a south-westward direction is now labelled as the <i>Sittingbourne and Kemsley Light Railway</i> 	
	1999	<ul style="list-style-type: none"> ▪ The area of <i>Refuse Tip</i> is no longer shown ▪ Only 2 no. <i>Ponds</i> (later <i>Lagoons</i>) are now present (150m southeast). The area of the former ponds is demarcated as a refuse or slag heap ▪ <i>Works</i> (1000m north) 	
	2018	<ul style="list-style-type: none"> ▪ <i>Pipe line</i> no longer shown ▪ The building shown on the river bank, labelled with <i>Slipway</i> and <i>Navigation</i> 	

Section	Description/Information		Comments / Potential Contamination Sources
	117m South-east	The type of landfill was recorded as 'inert waste'. License held by: Bowaters UK Dates of operation: 31 st December 1977 to 31 st December 1993. The type of landfill was recorded as 'inert, industrial, commercial, and household waste and liquid sludge'.	
Waste Treatment, Transfer and Disposal Sites (500 m)***	308m South-west	There is 1 no .record of registered waste treatment or disposal sites within 500m of the Assessment Site. License Holder: D S Smith Paper Ltd Site Location: Kemsley Mill Landfill, Kemsley, Sittingbourne, Kent Max input rate: Not supplied Date started: 05/12/2014. Modified 05/12/16. Site Category: Physical Treatment Facilities	None identified.
Current Potentially Contaminative land Uses*** (250 m)	On-site	None recorded	None identified.
	Off-site	None recorded within 250m.	None identified.
Petrol and Fuel Sites*** (500 m)	On Site	None recorded	None identified.
	Off-Site	None recorded.	
Authorisations / Licences (250m)***	On-Site / Off-Site	None recorded	None identified.
Substantiated Pollution incident register (250m)***	Off site	1 no Category 2 – significant incident to water recorded in 2005	Considering the scale and the dates of these incidents, these incidents are not considered to provide a contamination risk at the WKN Site.
	On site	None recorded	-
Recorded Pollution Incidents (Controlled Waters) (250m)***	On-Site	None recorded	Considering the scale and the dates of these incidents, these incidents are not considered to provide a contamination risk at the WKN Site.
	Off-Site	Category 2 – Significant There has been 1 no. pollution incident categorised at Category 2 – Significant, recorded 84m east. The incident comprised included discharges of organic wastes due to a fault at a	

Section	Description/Information		Comments / Potential Contamination Sources
		Waste Water Treatment Plant in 1997. Category 3 - Minor There has been 1 no. pollution incident categorised as Category 3 – Minor. The incidents included discharges of ‘chemicals – detergents/surfactant’ in 1998.	
Pollution Prevention and Controls*** (500 m)	On-Site	None recorded	None recorded
	Off-Site	There are 6 no. effective/valid Integrated Pollution Prevention and Control permits in place within 500m of the Assessment Site. These are classified as follows: <ul style="list-style-type: none"> ▪ 1 no. relate to ‘paper and pulp manufacturing processes within Miscellaneous Industries’. ▪ 3 no. relate to the incineration of non-hazardous waste (at K3 facility). ▪ 1 no. related to an ‘associated process’ at the Kemsley IBA Recycling Facility. 1 no. related to the handling of paper, pulp and board, producing paper/board greater than 20T/d. Several historical IPCC controls have been superseded within the adjacent area	These records are all located off-site, and are not considered to pose a risk to the WKN Site.
Discharge Consents (500 m)***	Off Site	There are 4 no. active discharge consents listed within 500 m of the Assessment Site. These consents are: 1 no. consents for Trade Discharges – Cooling/Process Water; 1 no. for Trade Effluent discharge; 1 no. for sewage discharges – final/treated effluent; and 1 no. public sewage – storm sewage overflow. These consents related to the discharge to a number of bodies, including: Freshwater stream/river (1 no.); discharge into a tributary of The Swale (1 no.); and discharges into a Saline estuary (2 no.). Multiple discharge consents were previously active within the area, but have been revoked / expired.	These sites were licenced to discharge effluent. They are considered to pose a low risk.
	On Site	No active discharge consents recorded	Not Applicable.

* based on site reconnaissance and review of Envirocheck Report (*Appendix 2*)

** based on review of Historical Maps (*Appendix 2*) obtained from Landmark

*** based on review of Landmark Envirocheck Report (*Appendix 2*)

4 Environmental Setting

- 4.1.1 This section sets out details of the environmental setting of the WKN Site and the surrounding areas (Table 4.1).

Table 4.1 Environmental Sensitivity

Section	Description / Information				Issues / Comments
Geology & Hydrogeology**	Strata	Description	Aquifer Status	Anticipated Approx. thickness (m)	
	Made Ground	Made Ground present on the WKN Site	N/A	Up to 4.2 m	Previous investigations at the Assessment Site have found Made Ground up to 4.2 m thick (refer to Section 5). Asbestos has been encountered in the Made Ground at 3 locations. Perched water has been found within the Made Ground
	Superficial Deposits	Alluvium – Soft to firm consolidated, compressible silty clay. Can contain layers of silt, sand, peat, and basal gravel.	Secondary (Undifferentiated)	Maximum depth of 8.6 m bgl	Organic-rich soils such as Alluvium can be a source of ground gas.
	Bedrock	London Clay Formation The Woolwich Formation (a sub-division of the Lambeth Group) and Thanet Formation are shown to outcrop approx. 300m to the south of the WKN Site, and are likely to underlie the WKN Site. The Seaford Chalk Formation is anticipated to underlie the Thanet Formation and the WKN Site.	Unproductive Strata Secondary A Aquifer Principal Aquifer	Approx. 5m Approx. 30 – 40m Unknown	Sandy and silty lenses are likely to be present and may contain pockets of perched groundwater. Fine sand that can be clayey and glauconitic with rare calcareous or siliceous sandstones.
Groundwater Vulnerability	The superficial deposits do not have classified groundwater vulnerability. The superficial deposits are classified as a Secondary (undifferentiated) Aquifer. The bedrock geology (London Clay Formation) is classed as unproductive strata and the groundwater vulnerability is not classified.		Low leaching potential.		The groundwater of the superficial deposits is considered to be at low to medium risk from contamination which may be present at the Assessment Site. Any groundwater bodies below the London Clay are considered to be at low risk. This is due to the likely cohesiveness of the superficial deposits across the site, and the presence of thick cohesive deposits

Section	Description / Information		Issues / Comments
			(London Clay). Perched pockets of groundwater may be present within sandy or silty lenses within the bedrock however these are expected to be limited in extent.
	Distance & Direction	Details	
SPZs* (500m)	On site	None Identified	None identified
	Off site	None identified within 500 m of the WKN Site.	None identified
Surface Water (1km)*	On-site	<p>No surface water bodies have been identified on identified on-site, with The Swale being the closest lying approx. 15m West.</p> <p>The majority of the WKN Site lies within an area which is at risk from extreme flooding from rivers or sea without defences (Zone 2).</p> <p>The eastern end of the WKN Site (nearest The Swale) lies within an area which is at risk from flooding from rivers or sea without defences (Zone 3). Flood defences are present for the WKN Site.</p> <p>There are 22 OS network water lines within 250m of the WKN Site, and these are predominately short (less than 200m) long</p>	<p>The majority of the WKN Site (Zone 2) is at a medium risk (between 0.1% and 1%) from flooding from rivers.</p> <p>The definition of the Flood Zone 3 is: Land and property in this flood zone would have a high probability of flooding without the local flood defences. These protect the area against a river flood with a 1% chance of happening each year, or a flood from the sea with a 0.5% chance of happening each year.</p>
	Off site	<p>The Envirocheck Report identifies that there are a number of surface water features ('inland rivers', 'tidal rivers' and 'lakes') in the vicinity of the WKN Site. These are most likely associated with the marsh area that the WKN Site sits within/surrounds it.</p> <p>An underground river is listed in the Envirocheck report (16 m west). This is presumably within a culvert.</p> <p>There are three artificial reservoirs located on the southern boundary of the wider Kemsley site.</p>	None identified.
Licensed Water Abstractions (1km/500m)*	On site	None recorded	None identified.
	Off site	<p>There are 3 no. Permits for surface water abstractions within 500m of the WKN Site:</p> <ul style="list-style-type: none"> • 1 no. permit 140m east for non-evaporative cooling; • 1 no. permit 140m east for direct spray irrigation • 1 no. permit 184m east for industrial cooling (miscellaneous) <p>There are no permits for groundwater abstraction listed within 1km of the</p>	Contamination arising from the WKN Site, if present, is unlikely to impact the surface water, due to the dilution effect, and the distance of the abstractions from the WKN Site.

Section	Description / Information		Issues / Comments
		WKN Site.	
Conservation Areas & Sensitive Land Use (1 km)*	On site	The WKN Site does not lie within a Nitrate Vulnerable Zone.	None identified
	Off Site	The Swale located to the east of the WKN Site, is classified as a Marine Nature Reserve, SSSI and a Ramsar Site. The Elmley Nature Reserve, located 392m northeast of the Assessment Site (at its nearest point) is classified as a National Nature Reserve.	The ecological status of The Swale means that it would be sensitive to any contamination migrating from the WKN Site.
	<i>Is the site potentially affected?</i>	<i>Details</i>	
Radon*	No	The WKN Site is within a lower probability radon area where less than 1% of homes are estimated to be at or above the Action Level. No radon protection measures are required in the construction of new dwellings.	N/A
Coal Mining*	No	The WKN Site is not in an area that is recorded as impacted by coal mining.	N/A
BGS Recorded Mineral Sites (1 km)*	On site	None identified	None identified
	Off site	The Envirocheck Report has identified 2 no. BGS Recorded Mineral Sites within 1 km of the WKN Site: Kemsley Down Brickworks, and Elmley Hills Cement Works. Both of these were opencast works for clay and shale, and all have since ceased operations. Kemsley Down brickworks was recorded to be 552m south of the WKN Site, however, as identified through a review of the historical maps, this was ceased operation, was backfilled, and the area is covered by the Kemsley Paper Mill Site. Elmley Hills Cement Works was recorded to be 837m northeast, however historical mapping records have also identified this to have been infilled, and the area is now vacant, adjoined by industrial buildings.	These sites are all currently closed and either redeveloped or infilled and left. Where they have been infilled, they are unlikely to pose a risk to the gas and leachate due to the distance and cohesive nature of the superficial deposits and underlying London Clay.
Historical Surface Ground Working Features	On site	None identified	None recorded
	Off site	As previously mentioned above, opencast quarries were present in the area. These have been infilled or backfilled and redeveloped.	These sites are all currently closed and redeveloped. Where they have been infilled, they are unlikely to pose a risk to the WKN Site from ground gas and leachate due to the distance and geology (London Clay).
Foundered Strata / Landslide*	On site	The Envirocheck Report suggests that there is: <ul style="list-style-type: none"> A moderate hazard potential for shrink-swell clay 	According to the Landmark Envirocheck report, natural ground stability hazards at the WKN Site are considered to be negligible to moderate.

Section	Description / Information	Issues / Comments
	<ul style="list-style-type: none"> • A very low hazard potential for landslides • A moderate hazard potential for compressible ground • A moderate hazard potential of collapsible ground • A very low hazard potential for running sand • A negligible hazard potential for dissolution 	<p>The moderate rating of compressible ground hazards indicates the potential for differential settlement of the ground under loading.</p> <p>Geotechnical testing and calculation of bearing capacities should be considered during design of proposed structures and infrastructure.</p> <p>Where vegetation is to be removed, the shrink-swell implications of this should be considered when designing foundations.</p>

* based on review of Envirocheck Report (*Appendix 2*)

** based on review of geological and hydrogeological maps and the Envirocheck Report (*Appendix 2*)

5 Previous Reports and Baseline Ground Conditions

5.1 Previous Ground Investigation Reports

5.1.1 As previously mentioned in Section 1.4, several phases of ground investigation works have previously been undertaken on and in the vicinity of the WKN Site. The following reports were reviewed as part of this Desk Study:

- RPS Group, 'Phase 1 Environmental Site Assessment, Kemsley Paper Mill, Sittingbourne, Kent', on behalf of E.ON, March 2009;
- RPS Group, 'Phase 2 Intrusive Site Investigation, Kemsley Paper Mill, Sittingbourne, Kent', on behalf of E.ON, September 2009;
- RPS Group, 'Development of a Sustainable Energy Plant, Kemsley Paper Mill, Environmental Statement, Chapter 11: Hydrogeology and Ground Conditions', prepared for St. Regis Paper Company Ltd, January 2010;
- URS Group, '*Geotechnical and Environmental Site Investigation*', on behalf of John Sisk & Sons Ltd, January 2013;
- RPS Group, 'Interpretative Ground Investigation Report, Pre-Commencement Works for the Sustainable Energy Plant, Kemsley Paper Mill, Sittingbourne, Kent', on behalf of EEW Energy from Waste UK Limited, June 2013; and
- RPS Group, '*Site Investigation Report, Kemsley Paper Mill*' on behalf of Wheelabrator Technologies Inc. December 2015.

5.1.2 The following sections provide a summary of the findings of these reports and the exploratory hole locations are shown on Figure 1.

RPS Group, '*Phase 1 Environmental Site Assessment, Kemsley Paper Mill, Sittingbourne, Kent*', on behalf of E.ON, March 2009

5.1.3 This report was undertaken by RPS in order to support the preparation of the Environmental Impact Assessment (EIA) for the WKN Proposed Development

5.1.4 The WKN Site was identified as being marsh land during a walkover in March 2009. The area to the south could be split into three: an area of marsh land, a stockpile area and a contractor laydown area.

5.1.5 A review of historical reports within this Phase 1 report identified that the WKN Site had previously been used for the temporary storage of effluent treatment sludge. A review of historical investigation works identified Made Ground to a maximum depth of 2.9mBGL in this area.

5.1.6 The report recommended the undertaking of an intrusive ground investigation to support the EIA for the K3 site development, and to characterise the geo-environmental and geotechnical risks to the K3 site development.

RPS Group, 'Phase 2 Intrusive Site Investigation, Kemsley Paper Mill, Sittingbourne, Kent', on behalf of E.ON, September 2009

5.1.7 Following the outcome of the earlier Phase I report (see above), an intrusive ground investigation was undertaken by RPS within land adjoining the south-eastern boundary of the WKN Site, at the K3 Site. 2 no. trial pits (TP11 and TP12) and 1 no. borehole (WS5) were located within or on the boundary of the WKN Site.

5.1.8 The ground investigation was undertaken in July 2009, and subsequent post-investigation groundwater and ground gas monitoring was undertaken over a period of several weeks.

5.1.9 The ground investigation works were undertaken in order to provide a baseline assessment of the ground conditions and determine the extent of any contamination risks in the soils and groundwater associated with the development of waste-to-energy facility at the K3 Site.

5.1.10 The intrusive ground investigation identified the following:

Ground Conditions

5.1.11 Topsoil was present across most of the site, however the south of the K3 site was covered by concrete hardstand.

5.1.12 Made Ground was encountered across the site at depths of between 0.9 mbgl to 4.6 mbgl. The Made Ground typically comprised brown and grey gravelly sands and clays with frequent infill materials including: ash, clinker, bricks, concrete, plastics, and wood.

5.1.13 Peat was occasionally present within Made Ground in the north and east of the K3 site and was encountered as a peaty silt / clay layer (1.6 to 1.8 mbgl) or as occasional pockets.

5.1.14 The superficial deposits typically comprised grey brown orange mottled firm to stiff clays of Alluvium. The maximum proven depth of this stratum was 7.4 mbgl.

5.1.15 London Clay was encountered below Made Ground and Superficial Deposits at proven depths of between 7.4 and 14 mbgl. It comprised a stiff grey clay with occasional sands, and sand bands present at depth.

5.1.16 Presumed Woolwich Formation and Thanet Beds were encountered at depths of between 7 mbgl and 20 mbgl beneath Superficial Deposits and London Clay in the deep boreholes. The Woolwich Formation and Thanet Beds comprised dense grey slightly silty sand. Groundwater was present within these deposits, confined by the overlying London Clay.

Land Contamination Risks

5.1.17 Laboratory analysis of soil samples did not identify any organic or inorganic contaminants in exceedance of the applied assessment criteria.

5.1.18 Laboratory analysis identified the presence of asbestos at one location at the site, at a depth of between 0.8-1.2mbgl within Made Ground. The location of the sample containing asbestos is outside the boundary of the WKN Site. The asbestos was identified as amosite (brown

asbestos) and the likely source was attributed to anthropogenic material within the Made Ground.

- 5.1.19 Laboratory analysis of groundwater samples identified concentrations of nickel, sulphate, chromium, copper, PAH and TPH in exceedance of the applied assessment criteria (EQS or DWS). The identified exceedances within the deeper aquifer comprised elevated nickel and sulphate.

Groundwater and Ground Gas Monitoring

- 5.1.20 Groundwater monitoring indicated groundwater flow within the shallow aquifer towards the Swale Estuary to the east of the site, but highly influenced by local conditions. A groundwater flow direction within the deep boreholes was not determined.
- 5.1.21 A tidal influence within both the shallow and deep boreholes was noted.
- 5.1.22 Ground gas monitoring identified broadly-low concentrations of ground gas across the site; however one concentrations of Carbon Dioxide was recorded as 5.5% in one location, outside of the WKN Site.

RPS Group, 'Development of a Sustainable Energy Plant, Kemsley Paper Mill, Environmental Statement, Chapter 11: Hydrogeology and Ground Conditions', prepared for St. Regis Paper Company Ltd, January 2010

- 5.1.23 An Environmental Chapter was prepared to support a planning Assessment at the Kemsley Paper Mill in January 2010. The chapter provided a description of ground conditions in terms of geology, hydrogeology and land contamination for then K3.
- 5.1.24 Furthermore, the chapter included a hydrological and human health risks assessment based on the proposed development of the K3.
- 5.1.25 The document was based largely on the findings of the previous Phase 1 and 2 investigations (as summarised above).
- 5.1.26 The document summarised the localised hydrological regime as follows:

'A laterally discontinuous perched water body has been identified at shallow depth, with continuous saturated conditions identified in the underlying granular deposits. The London Clay is thought to effectively separate shallow perched groundwater from water in the granular deposits at depth. Groundwater flow in both water bodies is therefore orientated to the east towards The Swale.'
- 5.1.27 It determined that operational impacts to the groundwater and surface water bodies would be negligible.

URS Group, 'Geotechnical and Environmental Site Investigation', on behalf of John Sisk & Sons Ltd, January 2013

- 5.1.28 URS undertook an intrusive ground investigation at the K3 Site to the south and southeast of the WKN Site. The investigation did not include any locations within the WKN Site boundary.
- 5.1.29 The ground investigation was undertaken in October 2012 and comprised intrusive ground investigation holes across the K3 Site. Subsequent post-investigation groundwater and ground gas monitoring was undertaken over a period of several weeks.
- 5.1.30 This was undertaken in order to provide detailed information of the ground conditions in this area, and to provide indicative information of possible landfill classification of the material to be excavated as part of the development of the K3 Site.
- 5.1.31 The intrusive ground investigation identified the following:
- Made Ground was identified to a maximum depth of 4.5mbgl. The material included: heterogeneous silt, sand, and gravel with ash, and clinker;
 - The Made Ground was found to be underlain by soft to firm orange and grey mottled alluvial clay to approximately 6.0-8.5mbgl;
 - The alluvial deposits were noted to be underlain by stiff, grey-blue London Clay to a depth of 12.0-15.5mbgl, which overlay dense sands of the Woolwich Formation.
 - Groundwater was encountered in trial pits between 2.0 and 3.5 mbgl and was thought to be discontinuous when present in the Made Ground.
 - Concentrations of contaminants of concern including Polycyclic Aromatic Hydrocarbons (PAHs) and Total Petroleum Hydrocarbons (TPHs) were not considered to pose an unacceptable risk to human health or controlled waters.
 - Asbestos fibres were identified at one location which was considered to represent a potential risk to human health.
 - Material sampled was categorised as non-hazardous waste in accordance with waste management guidelines published by the Environment Agency (EA).

RPS Group, 'Interpretative Ground Investigation Report, Pre-Commencement Works for the Sustainable Energy Plant, Kemsley Paper Mill, Sittingbourne, Kent', on behalf of EEW Energy from Waste UK Limited, June 2013

- 5.1.32 RPS were engaged by EEW Energy from Waste UK Limited to produce a ground conditions report in order to support the Assessment for the K3 Site's development.
- 5.1.33 The investigation by RPS was focused on the K3 site, but also included 2 no. trial pits (TP18 and TP20) and 2 no. boreholes (WS9 and WS10) within the WKN Site boundary. The report also included a review of information obtained from a ground investigation undertaken by CMW in 1995. A total of 11 no. trial pits and 1 no. borehole were progressed within the boundaries of the WKN Site during this investigation.

- 5.1.34 The intrusive ground investigation by RPS was undertaken between May and June 2011, and comprised 7 no. cable percussion boreholes (to characterise the deep groundwater aquifer within the Woolwich / Thanet Formation); and 8 no. window sample boreholes to characterise shallow ground characteristics.
- 5.1.35 The investigation identified the thickness of Made Ground to range between 1.9 to 4.6mbgl. It was noted to be thinnest in the south-western area of the investigation area. Alluvium was identified to be present to a maximum depth of between 6.0-8.6mbgl; and London Clay was noted to be present to a maximum depth of between 12.2 – 15.7mbgl.
- 5.1.36 The Woolwich Sand Formation was encountered at the base of each of the exploratory cable percussion holes.
- 5.1.37 The investigation identified various visual and olfactory indicators of contamination, including notable staining and hydrocarbon odours within investigation holes. The majority of these observations were noted within the Made Ground. Within the WKN Site, these indicators comprised clinker within Made Ground in each locations, and an oily sheen on a groundwater seepage within trial pit TP18.
- 5.1.38 The human health risk assessment undertaken as part of this ground investigation established that inorganic parameters, petroleum hydrocarbons, and other organic parameters did not represent an unacceptable risk to human health.
- 5.1.39 The Controlled Waters risk assessment identified the following:
- Perched groundwater was in steady state with Made Ground and patterns of contamination do not suggest significant potential to pollute wider Controlled Waters;
 - The generally limited occurrence of groundwater contamination by organic parameters;
 - The absence of significant sources of soil contamination that were resulting in ongoing contamination of groundwater the site; and
 - The concentration of aliphatic and aromatic hydrocarbons identified in groundwater did not represent an unacceptable risk to groundwater quality at the site boundary;
- 5.1.40 The ground gas risk assessment undertaken as part of the ground investigation classified the site as 'Characteristic Situation 2 – 'Low Risk'' as per CIRIA C665 guidance.
- 5.1.41 This classification was due to elevated concentrations of methane and carbon dioxide (>5%w/w) identified during the course of the post-works monitoring. One of the locations (WS9) of elevated concentrations of methane and carbon dioxide was within the WKN Site boundary.

RPS Group, 'Site Investigation Report, Kemsley Paper Mill' on behalf of Wheelabrator Technologies Inc. December 2015

- 5.1.42 RPS was engaged by Wheelabrator Technologies Inc to undertake an intrusive site investigation and ground assessment in order to support the development of the K3 site.

- 5.1.43 The investigation was undertaken to provide baseline ground quality information prior to the lease of the K3 Site by Wheelabrator Technologies Inc. from Kemsley Paper Mill.
- 5.1.44 The investigation was focused on land that forms the WKN Site and all exploratory locations were within the WKN Site boundary.
- 5.1.45 The ground investigation comprised 6 no. trial pits to characterise shallow ground conditions.
- 5.1.46 Made Ground was identified at all of the intrusive investigation locations, and had a maximum proven thickness of 4.2 m. This stratum was noted to contain concrete fragments, brick fragments, glass, metal, ash and clinker.
- 5.1.47 Groundwater was observed as a slight seepage between 0.9 and 1.4 mbgl in trial pit TP01. A rapid influx of groundwater occurred in trial pit TP03 at 4.2 mbgl.
- 5.1.48 Limited olfactory evidence of contamination was identified during the investigation works.
- 5.1.49 An oily sheen was observed on the groundwater encountered at one investigation location.
- 5.1.50 A human health risk assessment was undertaken and concluded that the identified contaminant concentrations were unlikely to present an unacceptable to human health.
- 5.1.51 Asbestos was identified at 3 no. ground investigation locations and was considered to present a potentially unacceptable risk to human health. The report recommended that removal of asbestos containing soils or use of a clean capping layer or hardstanding would significantly reduce this risk.

5.2 Baseline Ground Conditions

Baseline Soil Quality

- 5.2.1 Based upon the findings of the ground investigation reports detailed above, the baseline soil quality across expected across the WKN Site (and adjacent areas including the construction laydown area) has been determined from the dataset summarised in Appendix 4.
- 5.2.2 In general terms available soil quality dataset is characterised by low levels of organic and inorganic contamination in soils, although asbestos has been identified within soils at a number of locations. Soil quality is largely characterised by the absence of VOCs and SVOCs, with the exception of PAHs. No hot spots indicative of gross soil contamination were identified in any investigation and no requirement for site remediation in advance on the construction was identified on the basis of observed soil quality.
- 5.2.3 The chemical analyses identified the highest concentration of most contaminants of concern (most notably metals, TPH and PAHs) within the shallow Made Ground, although the dataset for the underlying alluvium is small. The only exception to this was certain inorganic parameters associated with the estuarine setting of the facility (e.g. elevated sulphate in the alluvium).
- 5.2.4 The presence of asbestos suggests that the re-use of Made Ground is likely to be unacceptable unless appropriate capping measures are adopted, where its geotechnical properties allow. This

suggests that soils within landscaped areas on the WKN Site will use imported or re-used with an unproven quality. A “baseline soil quality” cannot be determined for the landscaped areas of the WKN Site until after the construction of the facility and in advance of operations commencing thereon.

- 5.2.5 The analytical dataset presented in Appendix 4 does define the general baseline soil quality that can be expected in shallow soils (principally Made Ground) across the WKN Site.

Baseline Groundwater Quality

- 5.2.6 Based upon the findings of the ground investigation reports detailed above, the baseline groundwater quality across expected across the WKN Site (and adjacent areas including the construction laydown area) has been determined from the dataset summarised in Appendix 5.
- 5.2.7 In general terms, a low level of organic and inorganic contamination have been identified in shallow perched waters and/or deep groundwater. Where present, the highest concentrations of contaminants of concern have been observed in Made Ground, which is characterised by the presence of metals, petroleum hydrocarbons and polycyclic aromatic hydrocarbons. Groundwater is typically characterised by the absence of VOCs and SVOCs.
- 5.2.8 The water quality dataset for shallow and deep groundwater provides no indication of the impact of leachate associated with the landfill to the south of the WKN Site (Kemsley Mill Landfill).

Shallow Perched Water

- 5.2.9 The baseline quality of shallow perched water in the Made Ground has been shown to be characterised by the presence or absence of the following contaminants of concern:
- Presence of certain heavy metals;
 - Elevated chloride and sulphate;
 - Elevated ammonia;
 - Presence of PAHs (concentration of up to 0.35 µg/l) and long chain fraction of Petroleum Hydrocarbons (concentration of up to c. 220 µg/l);
 - General absence of short chain Petroleum Hydrocarbons or BTEX compound;
 - General absence of VOCs and SVOCs, with the exception of the occasional presence of phenols and phenolic compounds.
- 5.2.10 Despite the presence of the above contaminants of concern in shallow perched waters, the concentrations are generally low and the associated risk to controlled water and human health are not likely to warrant remediation in advance of construction.
- 5.2.11 In the absence of any hotspots of gross contamination of shallow perched waters across the WKN Site, the dataset presented in Appendix 5 defines a baseline water quality variability that

may be expected in the discontinuous shallow perched waterbody, principally Made Ground, across the WKN Site.

Deep Groundwater

- 5.2.12 Deep groundwater is afforded protection from surface activities by the presence of the low permeability London Clay Formation across the WKN Site. Groundwater quality in the deep granular Secondary A is typically good with the highest concentration of most contaminants of concern being observed in the shallow perched waters. As result the general the water quality in the deep aquifer is characterised by the presence of fewer contaminants of concern and in particular organic contaminants.
- 5.2.13 Significantly, there is no evidence of any impact on water quality within the deep Secondary A aquifer from surrounding landfill activities, most notably the now closed Kemsley Waste Disposal Site that is situated to the south of the WKN Site.
- 5.2.14 However the occasional presence of certain organic compounds and heavy metals in deep water has been observed albeit at low concentrations. The water quality dataset summarised in Appendix 5 therefore define sthe baseline water quality expected in deep groundwater in the Woolwich / Thanet Sands across the WKN Site.

Baseline Ground Gas

- 5.2.15 The ground gas risk assessment presented in the Interpretative Ground Investigation Report (Ref. 7) indicates a Characteristic Situation 2 (CS2) (CIRIA, 2007) 'Low Risk' for the WKN Site. Furthermore no evidence has been found of an observable gas impact on the WKN Site from the Kemsley Landfill Site to the south or other sources of ground gas. It is understood that landfill gas production at the Kemsley Waste Disposal Site is managed to the satisfaction of the regulatory authorities (Ref. 7).

6 Conceptual Site Model and Preliminary Risk Assessment

6.1.1 In line with CLR-11 guidance (Ref. 9) a conceptual site model and preliminary risk assessment have been developed to qualitatively assess potential contaminant sources, receptors and potential pollutant linkages identified at the WKN Site. The risk level relevant to each linkage is stated in the context of potential risk to future site users based on the WKN Proposed Development, as well as controlled water receptors.

Potential Contamination Sources

6.1.2 Based on the historical site information, the following potential contamination sources at the WKN Site have been identified:

- Chemical contamination associated with the historical use of the Site, including as a landfill and railway lines (organic, inorganic and asbestos contamination);
- Chemical contamination associated with the adjoining Kemsley Paper Mill site (inorganic, organic contamination, and ground gas generation potential);
- Ground gas and leachate risks associated with offsite landfills (including Kemsley Mill landfill approx. 300m to the south of the WKN site); and
- Ground gas risk associated with the superficial Alluvium deposits at the WKN Site, and the potential for the presence of peat within the deposits.

6.1.3 The risk assessment is based on a proposed future industrial use of the WKN Site and presented in Tables 6-1 and 6-2.

Table 6.1 Summary of Pollutant (Source-Pathway-Receptor) Linkages

Source	Pathway	Receptor	Risk	Notes
HUMAN HEALTH RECEPTORS				
Chemical contamination from historical use of the Site	Ingestion and dermal contact of soil / dust	Future Site Users / Construction Workers	Low	Historical information has indicated contaminant sources to have been located at the WKN Site. Ground investigations at and adjacent to the WKN Site generally indicate low levels of chemical contaminants within the shallow soils. The final development is anticipated to be largely covered by hardstanding with localised areas of landscaping thereby largely minimising human exposure to soils.
	Inhalation of organic vapours		Low	Historical information has indicated contaminant sources to have been located at the WKN Site. Ground investigations at and adjacent to the WKN Site generally indicate low levels of chemical contaminants within the shallow soils. The final development is anticipated to be largely covered by hardstanding with localised areas of landscaping thereby largely minimising human exposure to soils.
	Inhalation of asbestos fibres	Future Site Users / Construction Workers	Low to moderate	Based upon the industrial history of the WKN Site, there is the potential for asbestos to be present within the shallow soils. Ground investigations within the boundaries of the WKN Site have found localised asbestos fibres within the Made Ground. Humans could be exposed to asbestos fibres (albeit in localised areas) during construction activities in an area of landscaping where no clean cover system is implanted.
Chemical contamination associated with the adjoining Kemsley Paper Mill site, landfill sites and sewage treatment works	Ingestion and dermal contact of soil / dust	Future Site Users / Construction Workers	Low	Ground investigations in areas adjacent to the WKN Site generally indicate low levels of contaminants within the shallow soils. The presence of hardstanding and a surface water management system over much of the Kemsley Paper Mill site will limit to migration of any contaminants, via groundwater, on the WKN Site.
	Inhalation of organic vapours		Low	Ground investigations in areas adjacent to the WKN Site generally indicate low levels of contaminants within the shallow soils. The presence of hardstanding and a surface water management system over much of the Kemsley Paper Mill site will limit to migration of any contaminants, via groundwater, on the WKN Site.
Ground gas from the historical landfill within WKN Site boundary, landfills to the south of the WKN Site and from within natural organic-rich soils (Alluvium).	Migration of ground gas and accumulation in structures	Future Site Users	Low to moderate	The presence of a landfill within the boundaries of the WKN Site and landfill to the south, in particular the Kemsley Mill landfill represent a source of ground gas generation that presents a potential risk to human health. Ground investigations have identified material within the WKN site that is consistent with the inert classification of the landfill. Furthermore, it is understood that the Kemsley Mill landfill site is currently managed to the satisfaction of the Regulatory bodies. Previous ground investigations have identified a ground gas Characteristic Situation 2 on and adjacent to the WKN Site and thus gas protection measures will likely be required in buildings to manage ground gas risks. It is recommended that additional ground investigation, gas monitoring and risk assessment is undertaken to define the ground gas protection measures required. The presence of organic material within the Alluvium has the potential to be a source of ground gas.

Table 6.2 Summary of Pollutant (Source-Pathway-Receptor) Linkages - Continued

Source	Pathway	Receptor	Risk	Notes
CONTROLLED WATER RECEPTORS				
Chemical contamination in Made Ground and natural soils relating to historical development and current use of the Site	Leaching of contaminants within the unsaturated zone and vertical migration	Perched groundwater within the Made Ground / upper superficial Alluvium Deposits (Secondary Undifferentiated)	Low	Generally low levels of contaminants have been identified within soil and groundwater at the WKN Site. The presence of hardstanding over much of the Proposed WKN Development area is likely to minimise the potential for leaching of any soil contaminants into shallow groundwater. In addition, the Alluvium is a Secondary Undifferentiated aquifer and is of low sensitivity.
		Groundwater within the Woolwich (Lambeth) / Thanet Formation (Secondary A Aquifer)	Low	The WKN Site is believed to be underlain by a significant thickness (~5m) of low permeability clay of the London Clay Formation. The presence of this stratum will likely minimise the potential for downward migration of contamination in shallow perched groundwater into the Secondary A aquifer.
		Groundwater within the underlying Seaford Chalk Formation (Principal Aquifer)	Low	The depth to chalk is anticipated to be significant (~50m) and is overlain by another groundwater bearing unit (Secondary A aquifer) which will afford the chalk protection from any contamination that may have migrated through the London Clay Formation.
	Migration of contaminated groundwater	Surface water bodies (The Swale)	Low	Previous ground investigations in the vicinity of the Site have indicated that shallow groundwater and deep groundwater (within Secondary A aquifer) are in continuity with The Swale. Generally low levels of contaminants have however been identified within soil and groundwater at the WKN Site. In addition, migration of shallow water from the WKN Site towards The Swale is likely to be limited due to the anticipated discontinuous nature of the waterbody. Furthermore, the presence of the London Clay Formation is considered to minimise the potential for any contamination within the shallow water to enter deep groundwater and migrate towards The Swale.

7 Conclusions

- 7.1.1 RPS Planning and Environment ('RPS') was commissioned by Wheelabrator Technologies Inc. (herein shortened to WTI and referred to as 'the Applicant') to undertake a Phase 1 Desktop Study (DTS) and Preliminary Risk Assessment (PRA) report to support a Development Consent Order (DCO) for the construction of a new single-line waste-to-energy plant (WKN Proposed Development) at the Kemsley Paper Mill, Sittingbourne, Kent, ME10 2TD (referred to as the 'WKN Site').
- 7.1.2 The purpose of undertaking this assessment was to assess the potential for the presence of ground contamination and associated ground gas risks at the WKN Site as a result of former and current land uses at and in the local vicinity of the WKN Site.
- 7.1.3 The assessment provides a Conceptual Site Model (CSM) and Preliminary Risk Assessment (PRA) for ground contamination at the WKN Site.
- 7.1.4 The DTS comprised a reconnaissance survey, a review of available records, including existing ground investigation information, to determine the potential for contamination to be present at the WKN Site and the environmental sensitivity of the WKN Site and its surrounding areas.
- 7.1.5 The assessment identified several potential sources of contamination at the WKN Site as a result of historical and current industrial activities:
- Chemical contamination associated with the historical use of the Site, including as a landfill and railway lines (organic, inorganic and asbestos contamination);
 - Chemical contamination associated with the adjoining Kemsley Paper Mill site (inorganic, organic contamination, and ground gas generation potential);
 - Ground gas and leachate risks associated with offsite landfills (including Kemsley Mill landfill approx. 300m to the south of the WKN site); and
 - Ground gas risk associated with the superficial Alluvium deposits at the WKN Site, and the potential for the presence of peat within the deposits.
- 7.1.6 The preliminary CSM has identified that risks to human health (future site users and construction workers) and controlled waters are generally low. A low to moderate risk to human health was identified from the localised presence of asbestos fibres within the Made Ground and from the generation of ground gas within landfills situated within and in close proximity to the WKN Site and from organic soils within the underlying Alluvium.
- 7.1.7 Risks to human health from asbestos can be managed by the use of suitable measures to minimise disturbance of fibres during construction works and the implementation of a suitable cover system in areas of proposed landscaping. Risks to human health from ground gas can be managed by the implementation of ground gas protection measures within new structures.
- 7.1.8 It is recommended that additional ground investigation, gas monitoring and risk assessment is undertaken to define the ground gas protection measures required for new structures.

- 7.1.9 Natural ground stability hazards at the WKN Site are considered to be negligible to moderate. The moderate rating of compressible ground hazards indicates the potential for differential settlement of the ground under loading.
- 7.1.10 Geotechnical testing and calculation of bearing capacities should be considered during design of proposed structures and infrastructure. Where vegetation is to be removed, the shrink-swell implications of this should be considered when designing foundations.

References

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Drawings

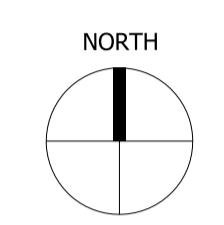


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KEY

Work No.2 Boundary —

Building / Plant

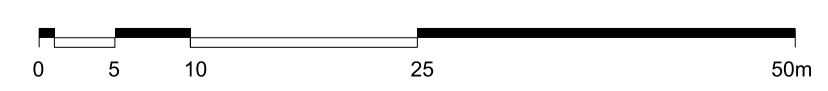


J	27/09/18	Issued for Information
H	27/09/18	Issued for Information
G	25/09/18	Issued for Information
F	05/09/18	Issued for Information
-	31/08/18	Issued for Information

FOR INFORMATION

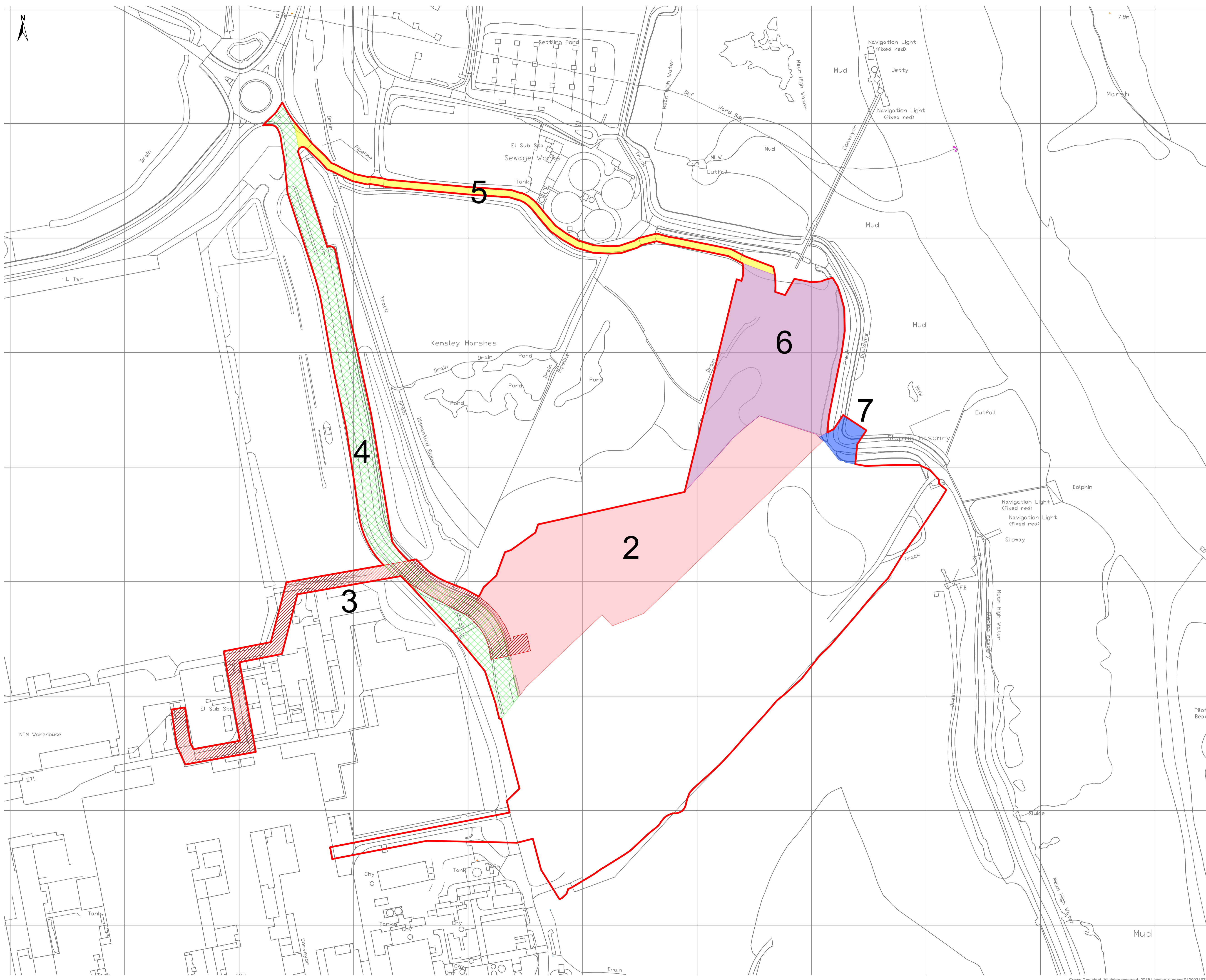
GSDA
GARRY STEWART DESIGN ASSOCIATES
Highlands House, Office 300A, 165 The Broadway, Wimbledon, London, SW19 1NE
T: 020 8544 8265

K3 & WKN DCO		
PROJECT	5.7	
DOCUMENT NO.	WKN Illustrative Layout	
DRAWING	1:500@A1 1:1000@A3 27/09/18	
SCALE	DATE	
1371 SK133	J	GS
DWG. NO.	REVISION	CHECKED





- Legend**
- DCO Boundary
 - Works Area 2
 - Works Area 3
 - Works Area 4
 - Works Area 5
 - Works Area 6
 - Works Area 7



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Notes

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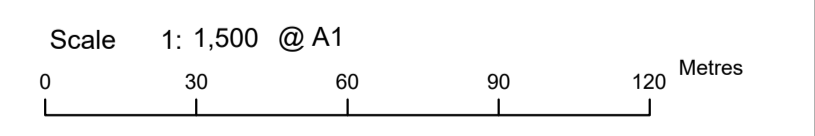


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 T: +44(0)1235 821 888 E: rps@rpsgroup.com F: +44(0)1235 834 698

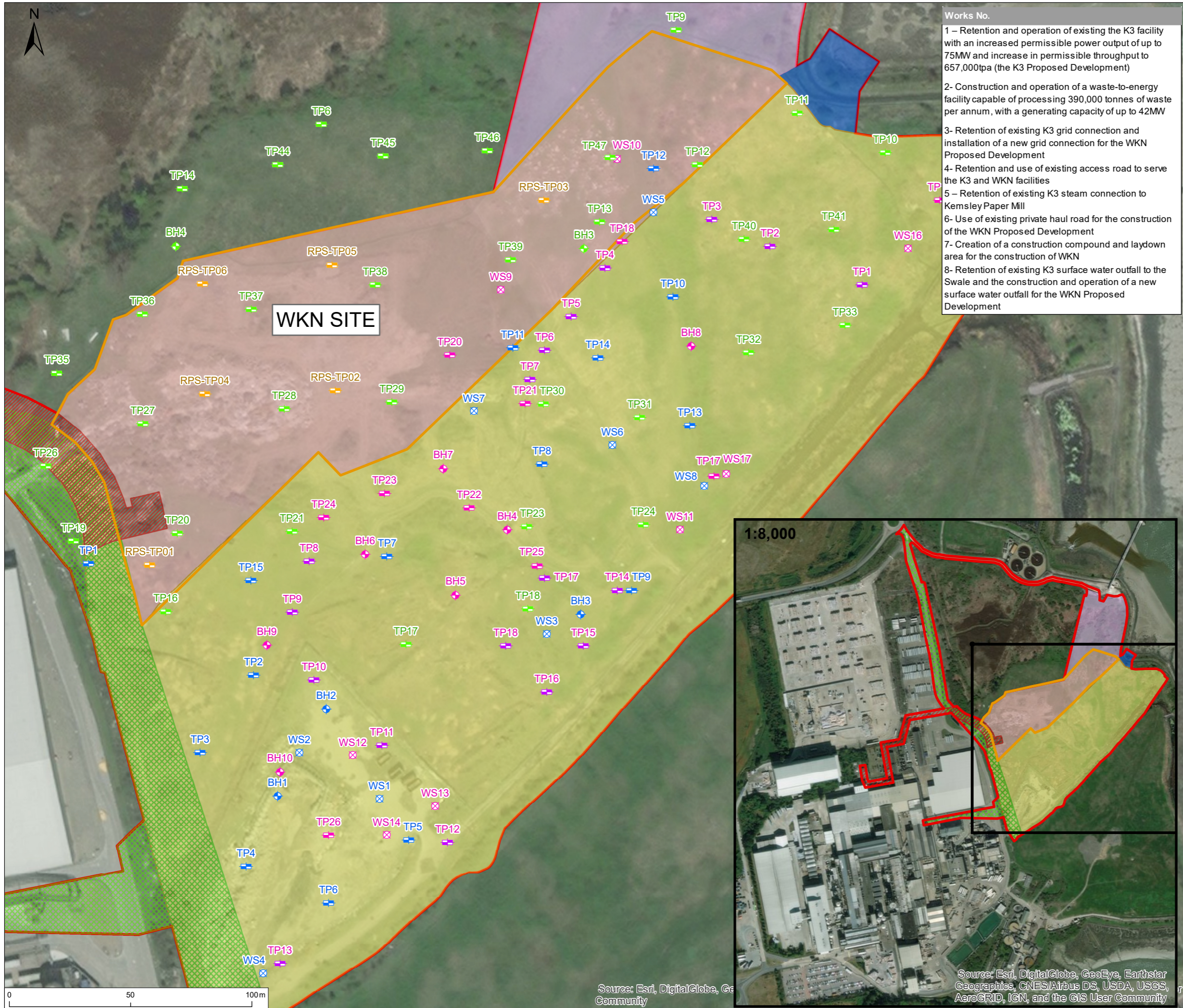
Client **Wheelabrator Technologies Inc**

Project **K3 and WKN DCO**

Title **WKN Works Plan**



Status	Drawn By	PM/Checked By
SUBMISSION	CR	TS
Job Ref		Date Created
OXF9812		SEPT 2019
Document Reference		Document Number
9812-0060-005		5.5b



- Works No.**
- 1 – Retention and operation of existing the K3 facility with an increased permissible power output of up to 75MW and increase in permissible throughput to 657,000tpa (the K3 Proposed Development)
 - 2- Construction and operation of a waste-to-energy facility capable of processing 390,000 tonnes of waste per annum, with a generating capacity of up to 42MW
 - 3- Retention of existing K3 grid connection and installation of a new grid connection for the WKN Proposed Development
 - 4- Retention and use of existing access road to serve the K3 and WKN facilities
 - 5 – Retention of existing K3 steam connection to Kemsley Paper Mill
 - 6- Use of existing private haul road for the construction of the WKN Proposed Development
 - 7- Creation of a construction compound and laydown area for the construction of WKN
 - 8- Retention of existing K3 surface water outfall to the Swale and the construction and operation of a new surface water outfall for the WKN Proposed Development

HISTORIC GROUND INVESTIGATION LOCATIONS

Legend

- DCO Application Limits
- Proposed WKN Development Site

Historic Investigation Locations

RPS (2015)

- Trial Pit

URS (2013)

- Trial Pit

RPS (2011, referenced in RPS 2013 report)

- Borehole
- Window Sample
- Trial Pit

RPS (2009)

- Borehole
- Window Sample
- Trial Pit

CMW (1995, referenced in RPS 2013 report)

- Borehole
- Trial Pit

Work Areas

- Work Area 1
- Work Area 2
- Work Area 3
- Work Area 4
- Work Area 5
- Work Area 6
- Work Area 7

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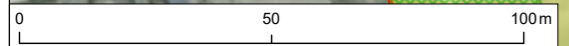


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Client WHEELABRATOR TECHNOLOGIES INC
Project K3 AND WKN DCO
Title HISTORIC GROUND INVESTIGATION LOCATIONS

Status FINAL	Drawn By RW	PM/Checked By GM
Job Ref JER1519	Scale @ A3 1:1,500	Date Created OCT 18
Figure Number 9.1		Rev B

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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Appendices

Desk Study Methodology

Introduction

This report provides available factual data for the site obtained only from the sources described below and related to the site on the basis of the location provided by the Applicant. The desk study information is not necessarily exhaustive and further information relevant to the site may be available from other sources. No responsibility can be accepted by RPS for inaccuracies in the data supplied by any other party.

This report is written in the context of an agreed scope of work and should not be used in a different context. Furthermore, new information and changes in legislation may necessitate a re-interpretation of the report in whole or in part after its original submission. The report is provided for sole use by the Applicant and is confidential to them and their professional advisors. No reliance whatsoever is provided to any party other than the Applicant unless otherwise agreed.

Information Sources

Land Use

This section establishes the former and current uses of the site, which could have caused contamination. Details of the site location, the current and proposed site uses have been provided by the Applicant.

Where specified, a site inspection has been carried out by RPS to identify any significant issues associated with current and past activities, neighbouring land uses and other key environmental issues.

Information about the history of the site has been obtained through an inspection of historical maps at 1:10,000, 1:2,500 and 1:1,250 scales (where available). The accuracy of maps cannot be guaranteed and it should be recognised that different conditions on site may have existed between, and subsequent to, the map survey dates.

Regulatory records including landfills, pollution incidents ('major' and 'significant' only), industry authorisations and licensed water abstractions are derived from information purchased from Landmark Ltd (unless otherwise specified).

Environmental Setting

It is important to establish the environmental setting because, irrespective of the level of contamination at a site, if its location is not 'sensitive' to this contamination, there is a reduced risk of an environmental liability.

The geological sequence underlying the site and the approximate depths of strata are provided by maps published by the British Geological Survey (BGS) 1:50,000 scale. The hydrogeological classification is obtained from Groundwater Vulnerability mapping on the Environment Agency (EA) website. The vulnerability of groundwater is determined from this mapping and geological information.

The location of surface watercourses is obtained from an inspection of current OS maps. Surface water quality information is taken from the most up-to-date Chemical River Quality General Quality Assessment (GQA) details published by the EA. Flood risk details and information on groundwater Source Protection Zones are obtained from readily available EA information published on-line.

Details of sensitive ecosystems/habitats and coal mining areas are supplied by English Nature and the Coal Authority respectively via Landmark Ltd.

Radon is a radioactive gas produced naturally by certain types of geology. This report uses the Indicative Atlas of Radon in England and Wales (2007) produced by the Health Protection Agency (HPA) and the British Geological Survey (BGS) to determine whether the site is located in an area at risk from radon gas. Where potential issues are identified, a site-specific radon report is obtained from the HPA and BGS to provide a more accurate estimate of the probability of the site being affected by radon gas ingress.

Risk Assessment

The Risk Assessment consists of an appraisal of the source-pathway-receptor 'pollutant linkages' which is central to the approach used to determine the existence of 'contaminated land' according to the definition set out under Part 2A of the Environmental Protection Act 1990. For a risk to exist (under Part 2A), all three of the following components must be present to facilitate a potential 'pollutant linkage'.

- Source of contamination (Hazard);
- Pathway for the contaminant to move from the source(s) to receptor(s); and
- Receptor (Target) that could be affected by the contaminant(s).

Receptors include human beings, other living organisms, crops, controlled waters and buildings / structures. The mere presence of a contaminant source / hazard at a site does not mean that there will necessarily be attendant risks or that the site will be designated as 'contaminated land'.

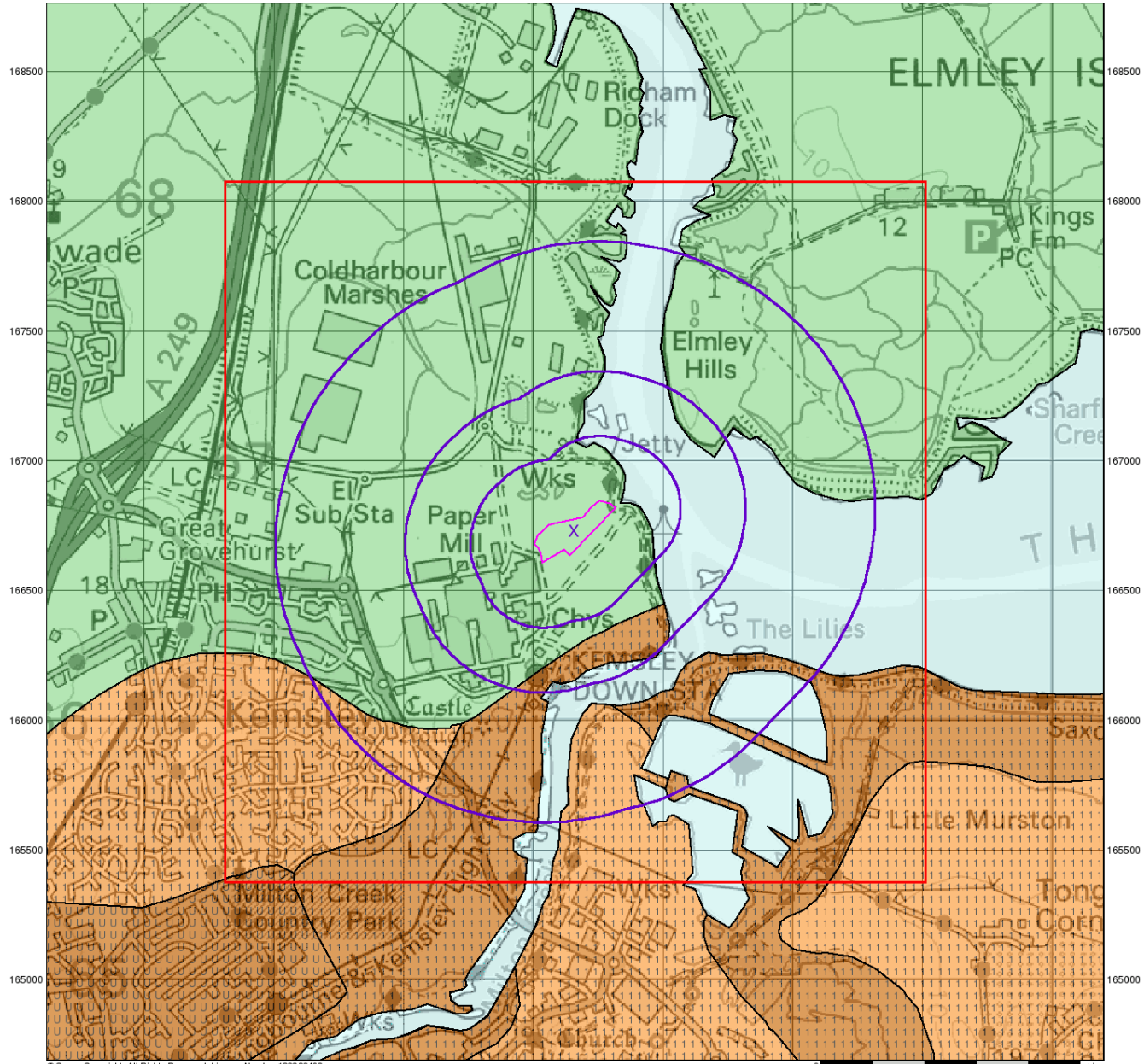
The Risk Assessment sections comprise a summary of the land use and environmental sensitivity information demonstrated as the contaminant Source, Pathway and Receptor components. It also incorporates its likelihood of occurrence and commercial impact. It has been classified under three broad categories:

- Low risk - it is considered unlikely that issues assigned this designation will give rise to significant harm;
- Moderate risk - it is possible, but not certain that issues assigned this designation may give rise to significant harm or a liability/cost for the owner of the site; and
- High risk - there is a high potential that issues assigned this designation may give rise to significant harm or a liability/cost for the owner of the site.

In addition the assessment includes consideration of redevelopment constraints i.e. potential for extraordinary environment-related development costs, the site's 'suitability for use' and the perception by any future purchasers regarding the potential impact on investment value/saleability. The assessment of redevelopment constraints should be considered preliminary and does not represent an exhaustive assessment of potential constraints.

Landmark Envirocheck Report

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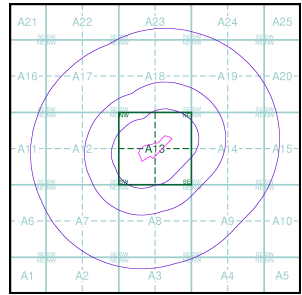
Groundwater Vulnerability

- 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 A



Order Details

Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

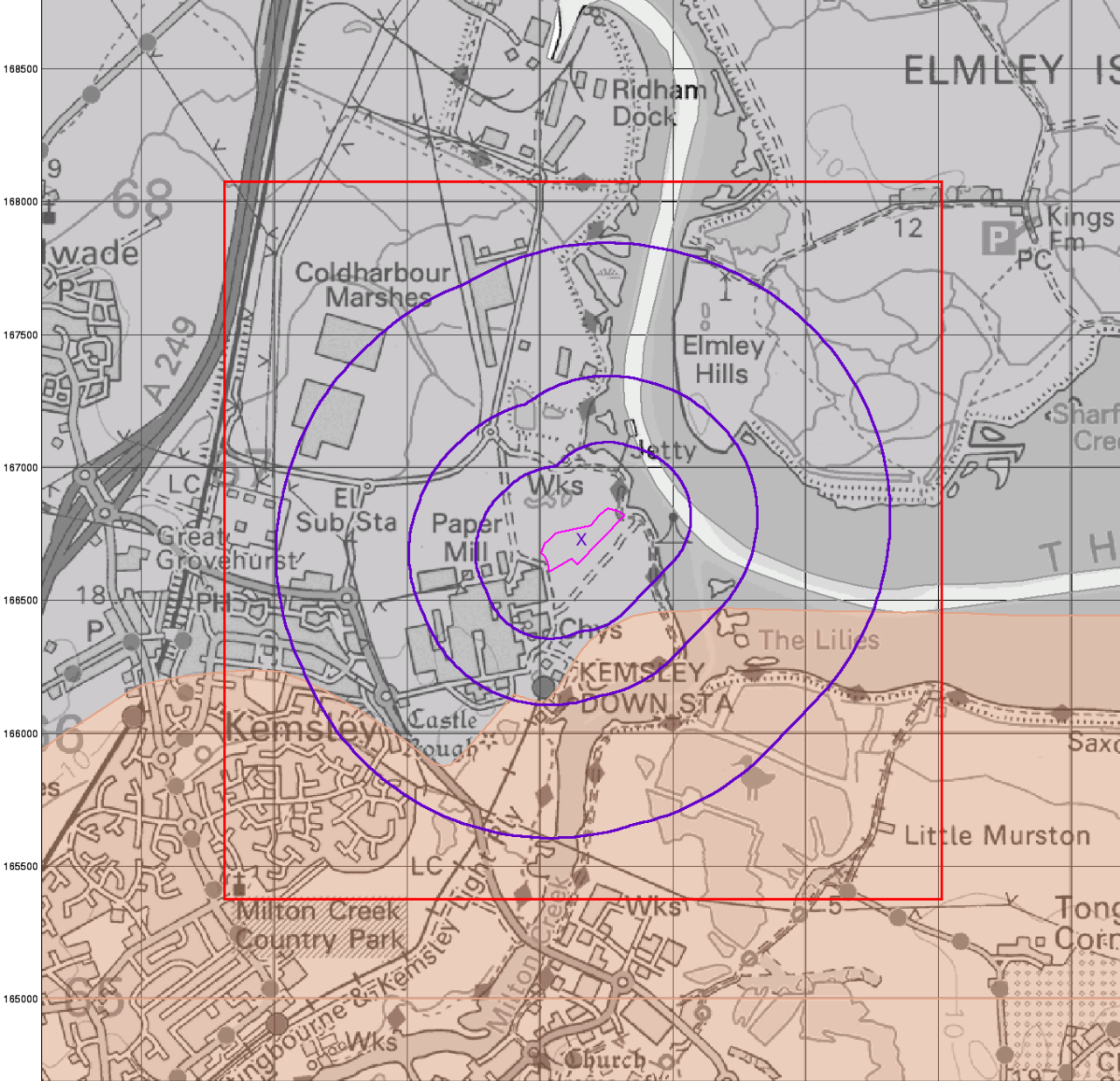
Site Details

Site at 592160, 166720



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Bedrock Aquifer Designation

General

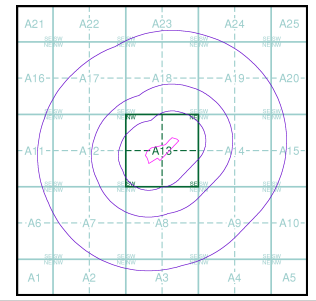
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

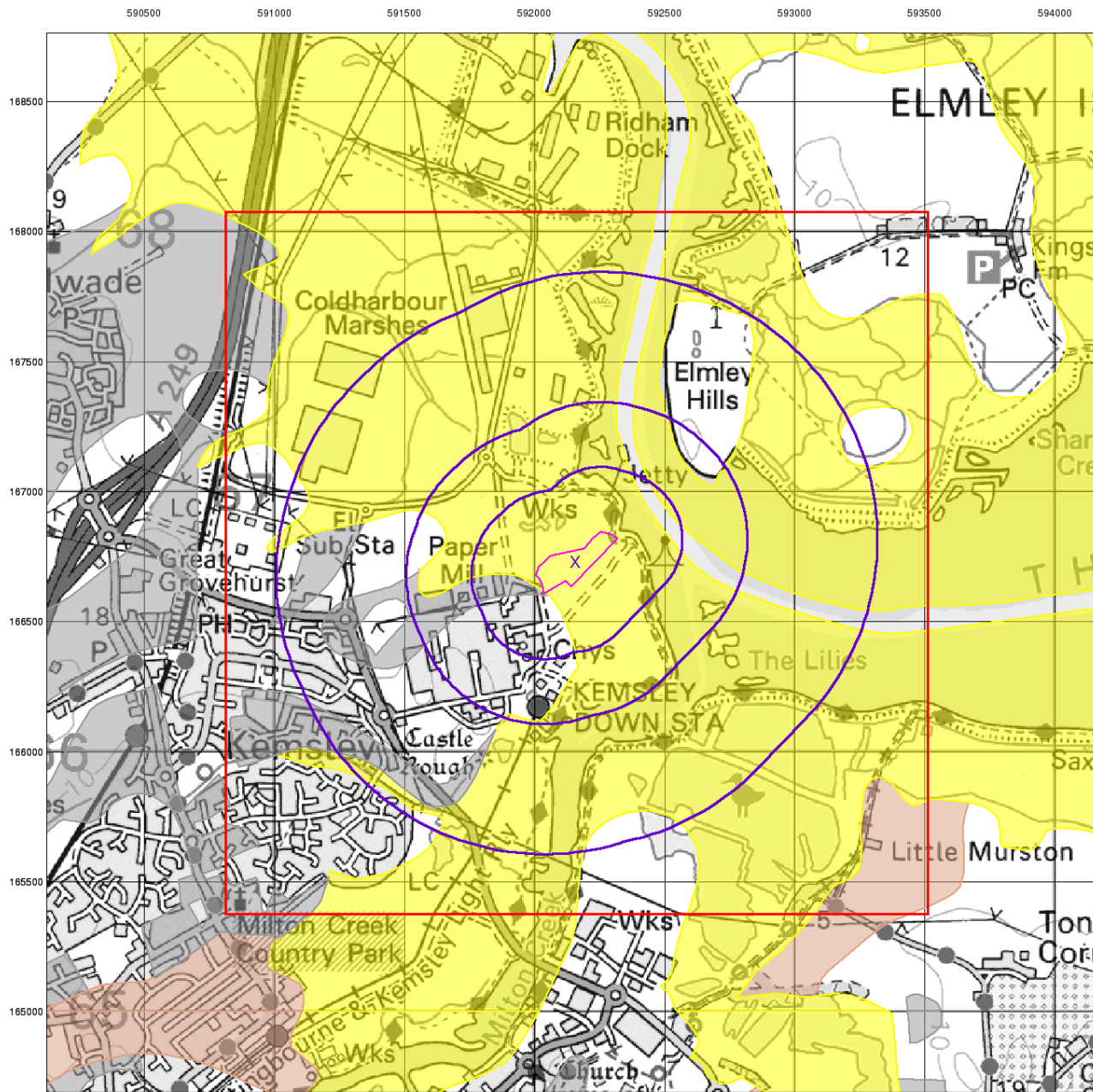
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 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

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Superficial Aquifer Designation

General

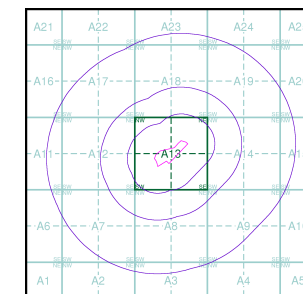
- ▭ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- ▭ Slice
- B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

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Source Protection Zones

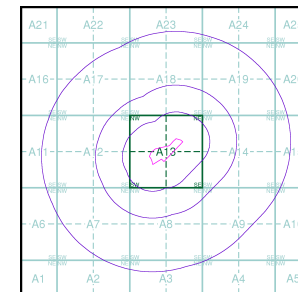
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

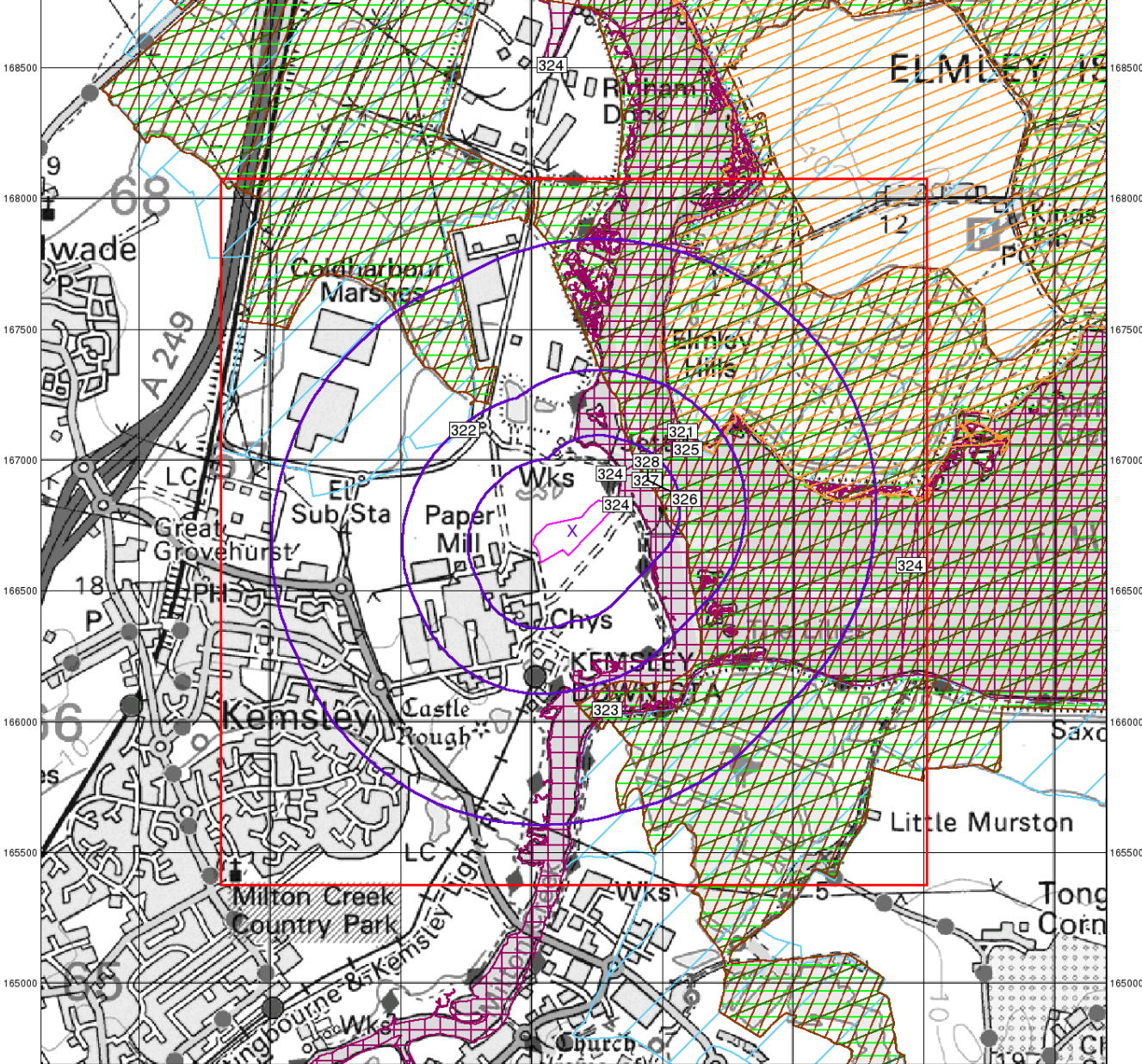
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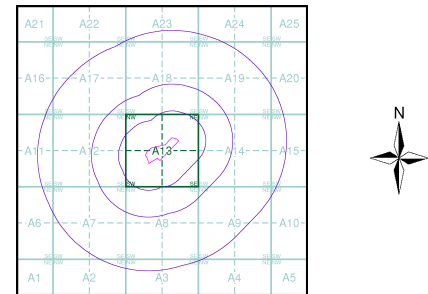


Sensitive Land Uses

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

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

Site Sensitivity Context Map - Slice A



Order Details

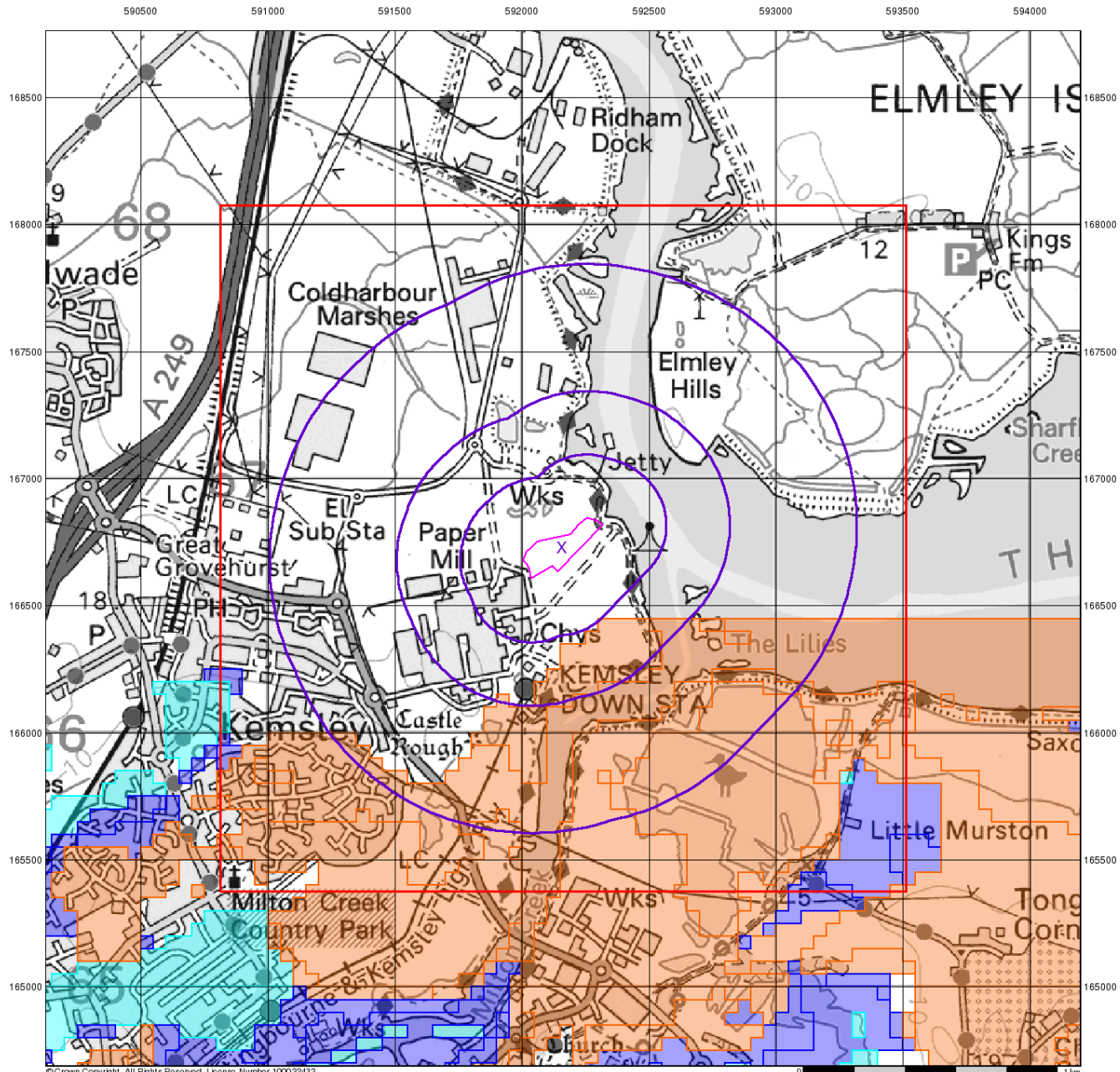
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

Site at 592160, 166720

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BGS Flood GFS Data

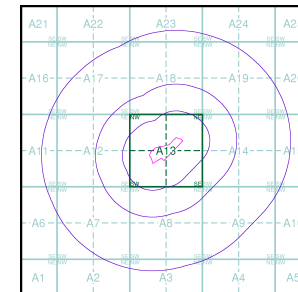
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

173688989_1_1

Customer Reference:

JER1519

National Grid Reference:

592160, 166730

Slice:

A

Site Area (Ha):

2.97

Search Buffer (m):

1000

Site Details:

Site at 592160, 166720

Client Details:

Ms A Thomas
RPS Consultants
260 Park Avenue
Aztec West
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BS32 4SY

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	60
Hazardous Substances	-
Geological	64
Industrial Land Use	66
Sensitive Land Use	68
Data Currency	69
Data Suppliers	73
Useful Contacts	74

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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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1		Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		3	13	9
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 7			3	12
Integrated Pollution Prevention And Control	pg 9		5	11	42
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 22		Yes		
Pollution Incidents to Controlled Waters	pg 23		2	14	8
Prosecutions Relating to Authorised Processes	pg 27				1
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 27		1		2
Water Abstractions	pg 27		3		(*13)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 31	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 31	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 31	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 31	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 32	Yes		n/a	n/a
Areas Benefiting from Flood Defences	pg 32	Yes	Yes	n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences	pg 32		Yes	n/a	n/a
OS Water Network Lines	pg 32		22	23	198

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 60	1	1		3
Integrated Pollution Control Registered Waste Sites	pg 61				2
Licensed Waste Management Facilities (Landfill Boundaries)	pg 61		1		
Licensed Waste Management Facilities (Locations)	pg 61			2	1
Local Authority Landfill Coverage	pg 62	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 62			2	
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 64	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 64				2
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 64	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 64	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 64	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 64	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 65	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 65	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

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 66			2	20
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas	pg 68			2	1
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves	pg 68		1		
National Nature Reserves	pg 68			1	
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites	pg 68		1		
Sites of Special Scientific Interest	pg 68		1		
Special Areas of Conservation					
Special Protection Areas	pg 68		1		
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	243	1	592300 166450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	386	1	592500 166450
1	Discharge Consents Operator: Clugston Group Ltd Property Type: CONSTRUCTION OF BUILDINGS Location: Kemsley Kemsley Efw, Kemsley Papermill, Sittingbourne, Kent, Me10 2td Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Epreb3792ny Permit Version: 1 Effective Date: 23rd August 2016 Issued Date: 23rd August 2016 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: The Swale Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	22	2	592332 166832
2	Discharge Consents Operator: Grovehurst Energy Ltd Property Type: MAKING OF PAPER+PAPER PRODUCTS Location: Kemsley Paper Mill, Sittingbourne Kent Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: K00025 Permit Version: 1 Effective Date: 2nd December 1971 Issued Date: 2nd December 1971 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	28	2	592000 166640
3	Discharge Consents Operator: Grovehurst Energy Ltd. (Hmip) Property Type: Undefined Or Other Location: Uk Paper House, Kemsley, Sittingbourne, Kent, Me10 2sg Authority: Environment Agency, Southern Region Catchment Area: Old-River Swale (cut-off) Reference: Aa3808 Permit Version: 1 Effective Date: 1st April 1993 Issued Date: 22nd June 1992 Revocation Date: 31st March 1997 Discharge Type: Trade Discharge - Process Water Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	210	2	592000 166400
4	Discharge Consents Operator: Grovehurst Energy Ltd Property Type: Undefined Or Other Location: Kemsley Paper Mill, Sittingbourne Kent Authority: Environment Agency, Southern Region Catchment Area: Old-unknown river Reference: P05604 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 15th December 1994 Revocation Date: 22nd May 2002 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: The Swale Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A18SW (N)	257	2	592150 167080

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Discharge Consents</p> <p>Operator: St. Regis Paper Co. Property Type: MAKING OF PAPER+PAPER PRODUCTS Location: Wood Pulping Plant, Employing Neutral Sulphite Proce Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: K02095 Permit Version: 1 Effective Date: 1st October 1969 Issued Date: 1st October 1969 Revocation Date: 25th November 1994 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A18SE (NE)	266	2	592330 167100
6	<p>Discharge Consents</p> <p>Operator: Grovehurst Energy Ltd Property Type: Undefined Or Other Location: Kemsley Paper Mill, Sittingbourne Kent Authority: Environment Agency, Southern Region Catchment Area: Old-River Swale (cut-off) Reference: K00024 Permit Version: 1 Effective Date: 14th January 1985 Issued Date: 14th January 1985 Revocation Date: 31st December 1994 Discharge Type: Trade Discharge - Process Water Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A18SE (N)	359	2	592200 167200
7	<p>Discharge Consents</p> <p>Operator: Grovehurst Energy Ltd Property Type: MAKING OF MACHINERY/ENGINE/PUMP/FURNACE/TRACTOR Location: Kemsley Mill, Sittingbourne, Kent, Me10 25g Authority: Environment Agency, Southern Region Catchment Area: Swale Reference: Bj8558 Permit Version: 1 Effective Date: 25th April 2002 Issued Date: 25th April 2002 Revocation Date: 25th April 2002 Discharge Type: Trade Effluent Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	444	2	592160 166180
7	<p>Discharge Consents</p> <p>Operator: Grovehurst Energy Ltd Property Type: MAKING OF MACHINERY/ENGINE/PUMP/FURNACE/TRACTOR Location: Kemsley Mill, Sittingbourne, Kent, Me10 25g Authority: Environment Agency, Southern Region Catchment Area: Swale Reference: Bj8558 Permit Version: 1 Effective Date: 25th April 2002 Issued Date: 25th April 2002 Revocation Date: 25th April 2002 Discharge Type: Trade Discharge - Process Water Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	444	2	592160 166180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Discharge Consents</p> <p>Operator: Grovehurst Energy Ltd Property Type: MAKING OF MACHINERY/ENGINE/PUMP/FURNACE/TRACTOR Location: Kemsley Mill, Sittingbourne, Kent, Me10 2sg Authority: Environment Agency, Southern Region Catchment Area: Swale Reference: Bj8588 Permit Version: 1 Effective Date: 25th April 2002 Issued Date: 25th April 2002 Revocation Date: 25th April 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Revoked and replaced by IPC Authorisation Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	444	2	592160 166180
7	<p>Discharge Consents</p> <p>Operator: Grovehurst Energy Ltd Property Type: MAKING OF MACHINERY/ENGINE/PUMP/FURNACE/TRACTOR Location: Kemsley Mill, Sittingbourne, Kent, Me10 2sg Authority: Environment Agency, Southern Region Catchment Area: Swale Reference: Bj8588 Permit Version: 1 Effective Date: 25th April 2002 Issued Date: 25th April 2002 Revocation Date: 25th April 2002 Discharge Type: Trade Effluent Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Revoked and replaced by IPC Authorisation Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	444	2	592160 166180
7	<p>Discharge Consents</p> <p>Operator: Grovehurst Energy Ltd Property Type: MAKING OF MACHINERY/ENGINE/PUMP/FURNACE/TRACTOR Location: Kemsley Mill, Sittingbourne, Kent, Me10 2sg Authority: Environment Agency, Southern Region Catchment Area: Swale Reference: Bj8588 Permit Version: 1 Effective Date: 25th April 2002 Issued Date: 25th April 2002 Revocation Date: 25th April 2002 Discharge Type: Trade Discharge - Process Water Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Revoked and replaced by IPC Authorisation Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	444	2	592160 166180
7	<p>Discharge Consents</p> <p>Operator: Southern Water Services Ltd (K) Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Ridham Avenue Kemsley Ceo Ridham Avenue, Kemsley, ., Kent, Me10 2sg Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: A06000 Permit Version: 2 Effective Date: 5th December 2017 Issued Date: 5th December 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Tributary Of The River Swale Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	485	2	592200 166150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Discharge Consents</p> <p>Operator: Southern Water Services Ltd (K) Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Ridham Avenue Kemsley Ceo Ridham Avenue, Kemsley, ., Kent, Me10 2sg Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: A06000 Permit Version: 2 Effective Date: 5th December 2017 Issued Date: 5th December 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Saline Estuary Environment: Receiving Water: Tributary Of The River Swale Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	485	2	592200 166150
7	<p>Discharge Consents</p> <p>Operator: Southern Water Services Ltd (K) Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Ridham Avenue Kemsley Ceo Ridham Avenue, Kemsley, ., Kent, Me10 2sg Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: A06000 Permit Version: 1 Effective Date: 5th November 1992 Issued Date: 5th November 1992 Revocation Date: 4th December 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A8NE (S)	485	2	592200 166150
7	<p>Discharge Consents</p> <p>Operator: Southern Water Services Ltd (K) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Kemsley S.T.W., Kemsley Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: A00530 Permit Version: 1 Effective Date: 9th November 1989 Issued Date: 9th November 1989 Revocation Date: 5th November 1992 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	485	2	592200 166150
8	<p>Discharge Consents</p> <p>Operator: Grovehurst Energy Ltd Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Uk Paper Ltd, New Thames Mill, Kemsley, Sittingbourne, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P09543 Permit Version: 1 Effective Date: 19th December 2000 Issued Date: 19th December 2000 Revocation Date: 27th May 2013 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A12SE (W)	444	2	591570 166600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p>Discharge Consents</p> <p>Operator: Grovehurst Energy Ltd Property Type: MAKING OF PAPER+PAPER PRODUCTS Location: Kemsley Paper Mills, IWADE, Kent Authority: Environment Agency, Southern Region Catchment Area: Old-Swale Reference: K02134 Permit Version: 1 Effective Date: 17th September 1965 Issued Date: 17th September 1965 Revocation Date: 22nd May 2002 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Milton Creek Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	557	2	592020 166050
10	<p>Discharge Consents</p> <p>Operator: Grovehurst Energy Ltd Property Type: MAKING OF MACHINERY/ENGINE/PUMP/FURNACE/TRACTOR Location: Kemsley Mill, Sittingbourne, Kent, Me10 25g Authority: Environment Agency, Southern Region Catchment Area: Swale Reference: Bj8558 Permit Version: 1 Effective Date: 25th April 2002 Issued Date: 25th April 2002 Revocation Date: 25th April 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	588	2	592150 166030
11	<p>Discharge Consents</p> <p>Operator: Grovehurst Energy Ltd Property Type: MAKING OF PAPER+PAPER PRODUCTS Location: Kemsley Paper Mill, Sittingbourne, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: K02135 Permit Version: 1 Effective Date: 17th December 1971 Issued Date: 17th December 1971 Revocation Date: 1st January 1995 Discharge Type: Trade Discharge - Process Water Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	590	2	591630 166180
12	<p>Discharge Consents</p> <p>Operator: Niall Cormac-Walsh Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Countrystyle Recycling Ltd Ridham Dock Road, Iwade, Nr Sittingbourne, Kent, Me9 8sr Authority: Environment Agency, Southern Region Catchment Area: Swale Reference: P21638 Permit Version: 1 Effective Date: 30th January 2008 Issued Date: 30th January 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Swale Estuary Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	591	2	592120 167420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<p>Discharge Consents</p> <p>Operator: Knauf Drywall Property Type: Undefined Or Other Location: Premises At Knauf Drywall, Ridham Dock, Sittingbourne, Kent, Me9 8sr Authority: Environment Agency, Southern Region Catchment Area: Swale Reference: P20365 Permit Version: 1 Effective Date: 2nd February 2005 Issued Date: 2nd February 2005 Revocation Date: 26th May 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: A Tributary Of The River Swale Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	745	2	591900 167500
13	<p>Discharge Consents</p> <p>Operator: Trevor Ellis Property Type: Undefined Or Other Location: Premises At Knauf Drywall, Ridham Dock, Sittingbourne, Kent, Me9 8sr Authority: Environment Agency, Southern Region Catchment Area: Swale Reference: P20068 Permit Version: 1 Effective Date: 14th January 2004 Issued Date: 14th January 2004 Revocation Date: 19th October 2006 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: A Trib Of River Swale Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	745	2	591900 167500
14	<p>Discharge Consents</p> <p>Operator: National Grid Electricity Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Outfall 2 - Kemsley Substation Outfall 2 At Kemsley Substation, Ypres Drive, Sittingbourne, Kent, Me10 2tr Authority: Environment Agency, Southern Region Catchment Area: Swale Reference: P21177 Permit Version: 1 Effective Date: 22nd December 2006 Issued Date: 22nd December 2006 Revocation Date: 22nd March 2013 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Coldharbour Fleet Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A12NW (W)	866	2	591160 166860
15	<p>Discharge Consents</p> <p>Operator: National Grid Electricity Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Outfall 1 - Kemsley Substation Outfall 1 At Kemsley Substation, Ypres Drive, Sittingbourne, Kent, Me10 2tr Authority: Environment Agency, Southern Region Catchment Area: Swale Reference: P21176 Permit Version: 1 Effective Date: 22nd December 2006 Issued Date: 22nd December 2006 Revocation Date: 22nd March 2013 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Coldharbour Fleet Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A11NE (W)	909	2	591140 166950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<p>Discharge Consents</p> <p>Operator: Knauf (Uk) Gmbh Property Type: OFFICES ADMIN + SUPPORT Location: Knauf (Uk) Gmbh Kemsley Fields Business Park, Sittingbourne, , Kent, Me9 8sr Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Eprjb3290nc Permit Version: 1 Effective Date: 21st October 2013 Issued Date: 21st October 2013 Revocation Date: 19th August 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Swale Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m</p>	A23SW (N)	995	2	591948 167791
17	<p>Integrated Pollution Controls</p> <p>Name: M-Real New Thames Ltd Location: Graphic And Business Papers Division, New Thames Mill, SITTINGBOURNE, Kent, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: BD4449 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A7NE (SW)	464	2	591805 166205
17	<p>Integrated Pollution Controls</p> <p>Name: M-Real New Thames Ltd Location: Uk Paper House, Kemsley, SITTINGBOURNE, Kent, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: AU7184 Dated: 3rd June 1996 Process Type: IPC new application Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A7NE (SW)	476	2	591800 166195
17	<p>Integrated Pollution Controls</p> <p>Name: Uk Paper Plc Location: Uk Paper, Recycled Fibre Plant, Kemsley, SITTINGBOURNE, Kent, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: BC3161 Dated: 21st October 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Application has met the requirements for authorisation (but not yet authorised) Positional Accuracy: Unknown</p>	A7NE (SW)	482	2	591795 166190
17	<p>Integrated Pollution Controls</p> <p>Name: M-Real New Thames Ltd Location: Uk Paper House, Kemsley, Sittingbourne, Kent, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: BI3323 Dated: 21st June 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	521	2	591779 166155
17	<p>Integrated Pollution Controls</p> <p>Name: E.On Uk Chp Ltd Location: Kemsley Paper Mill, Ridham Avenue, KEMSLEY, SITTINGBOURNE, KENT, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: BD8827 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the address or location</p>	A7NE (SW)	521	2	591779 166155

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	<p>Integrated Pollution Controls</p> <p>Name: E.On Uk Chp Ltd Location: Kemsley Paper Mill, Ridham Avenue, KEMSLEY, SITTINGBOURNE, KENT, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: AY1587 Dated: 30th June 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A7NE (SW)	521	2	591779 166155
17	<p>Integrated Pollution Controls</p> <p>Name: E.On Uk Chp Ltd Location: UK Paper House, Ridham Avenue, Kemsley, SITTINGBOURNE, Kent, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: AP2090 Dated: 13th March 1995 Process Type: IPC new application Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location</p>	A7NE (SW)	521	2	591779 166155
17	<p>Integrated Pollution Controls</p> <p>Name: Grovehurst Energy Ltd Location: Uk Paper House, Kemsley, Sittingbourne, Kent, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: AA3808 Dated: 22nd June 1992 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	521	2	591779 166155
18	<p>Integrated Pollution Controls</p> <p>Name: St Regis Paper Co Ltd Location: Kemsley Paper Mill, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: BE4703 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	599	2	591637 166162
18	<p>Integrated Pollution Controls</p> <p>Name: St Regis Paper Co Ltd Location: Kemsley Mill, Kemsley, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: AU6269 Dated: 3rd June 1996 Process Type: IPC new application Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	602	2	591632 166162
18	<p>Integrated Pollution Controls</p> <p>Name: St Regis Paper Co Ltd Location: Kemsley Mill, Kemsley, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: BB2712 Dated: 13th May 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	606	2	591632 166157
18	<p>Integrated Pollution Controls</p> <p>Name: M-Real New Thames Ltd Location: Uk Paper, Ridham Avenue, Kemsley, SITTINGBOURNE, Kent, ME10 2GT Authority: Environment Agency, Southern Region Permit Reference: BI1355 Dated: 21st June 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the road within the address or location</p>	A7NE (SW)	635	2	591589 166158

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<p>Integrated Pollution Controls</p> <p>Name: M-Real New Thames Ltd Location: Uk Paper,Ridham Avenue, Kemsley, SITTINGBOURNE, Kent, ME10 2GT Authority: Environment Agency, Southern Region Permit Reference: BG9757 Dated: 28th October 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A7NE (SW)	635	2	591589 166158
18	<p>Integrated Pollution Controls</p> <p>Name: M-Real New Thames Ltd Location: Uk Paper,Ridham Avenue, Kemsley, SITTINGBOURNE, Kent, ME10 2GT Authority: Environment Agency, Southern Region Permit Reference: BD3051 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A7NE (SW)	635	2	591589 166158
18	<p>Integrated Pollution Controls</p> <p>Name: M-Real New Thames Ltd Location: Uk Paper,Ridham Avenue, Kemsley, SITTINGBOURNE, Kent, ME10 2GT Authority: Environment Agency, Southern Region Permit Reference: AT6417 Dated: 22nd January 1996 Process Type: IPC new application Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A7NE (SW)	635	2	591589 166158
19	<p>Integrated Pollution Prevention And Control</p> <p>Name: K3 Chp Operations Limited Location: Kemsley Sustainable Energy Plant Epr/Jp3135dk, Kemsley Sustainable Energy Plant, Kemsley, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: EP3336YX Original Permit Ref: Jp3135dk Effective Date: 8th March 2018 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A13SW (S)	93	2	592090 166530
19	<p>Integrated Pollution Prevention And Control</p> <p>Name: K3 Chp Operations Limited Location: Kemsley Sustainable Energy Facility, Kemsley Sustainable Energy Facility, Kemsley,, Sittingbourne, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: UP3534YJ Original Permit Ref: Jp3135dk Effective Date: 7th March 2018 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A13SW (S)	93	2	592090 166530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<p>Integrated Pollution Prevention And Control</p> <p>Name: K3 Chp Operations Limited Location: Kemsley Sustainable Energy Plant Epr/Xp3637vx, Kemsley Sustainable Energy Plant, Kemsley, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: JP3135DK Original Permit Ref: Jp3135dk Effective Date: 5th August 2016 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Located by supplier to within 10m Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A13SW (S)	93	2	592090 166530
19	<p>Integrated Pollution Prevention And Control</p> <p>Name: Wti Uk Ltd Location: Kemsley Sustainable Energy Plant Epr/Xp3637vx, Kemsley Sustainable Energy Plant, Kemsley, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: XP3637VX Original Permit Ref: Xp3637vx Effective Date: 12th August 2014 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Located by supplier to within 10m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: Y</p>	A13SW (S)	93	2	592090 166530
19	<p>Integrated Pollution Prevention And Control</p> <p>Name: K3 Chp Operations Limited Location: Kemsley Sustainable Energy Plant Epr/Jp3135dk, Kemsley Sustainable Energy Plant, Kemsley, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: NP3636YY Original Permit Ref: Jp3135dk Effective Date: Not Supplied Status: Valid Application Type: Surrender App. Sub Type: Part Positional Accuracy: Located by supplier to within 10m Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A13SW (S)	93	2	592090 166530
20	<p>Integrated Pollution Prevention And Control</p> <p>Name: Wti Uk Ltd Location: Kemsley Iba Recycling Facility, Kemsley Iba Recycling Facility, Ridham Avenue, Kemsley, Sittingbourne, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: QP3236DR Original Permit Ref: Qp3236dr Effective Date: 8th March 2018 Status: Effective Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: Y</p>	A7NE (SW)	329	2	591810 166370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<p>Integrated Pollution Prevention And Control</p> <p>Name: M-Real Uk Services Ltd Location: New Thames Mill, Uk Paper, Ridham Avenue,Kemsley,, SITTINGBOURNE, Kent, ME10 2GT Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: ZP3337XM Original Permit Ref: Bj7387ih Effective Date: 1st December 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Manually positioned to the address or location Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A12SE (SW)	339	2	591752 166424
22	<p>Integrated Pollution Prevention And Control</p> <p>Name: St Regis Paper Company Ltd Location: New Thames Paper Mill, Uk Paper, Ridham Avenue,Kemsley,, SITTINGBOURNE, Kent, ME10 2GT Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: JP3535GR Original Permit Ref: Jp3535gr Effective Date: 30th January 2009 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole with Fit and Proper Person Positional Accuracy: Manually positioned to the address or location Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A7NE (SW)	385	2	591756 166344
22	<p>Integrated Pollution Prevention And Control</p> <p>Name: Ds Smith Paper Limited Location: New Thames Paper Mill, Uk Paper, Ridham Avenue,Kemsley,, SITTINGBOURNE, Kent, ME10 2GT Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: HP3731FC Original Permit Ref: Jp3535gr Effective Date: 5th November 2012 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Manually positioned to the address or location Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A7NE (SW)	399	2	591748 166332
22	<p>Integrated Pollution Prevention And Control</p> <p>Name: M-Real Uk Services Ltd Location: Kemsley & Sittingbourne Paper Mills, New Thames Mill, Ridham Avenue,,Kemsley, Sittingbourne, Kent, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: QP3638XL Original Permit Ref: Qp3638xl Effective Date: 1st March 2008 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Manually positioned within the geographical locality Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A7NE (SW)	409	2	591725 166344
22	<p>Integrated Pollution Prevention And Control</p> <p>Name: M-Real New Thames Limited Location: New Thames Paper Mill, Uk Paper, Ridham Avenue,Kemsley,, SITTINGBOURNE, Kent, ME10 2GT Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: BJ7387IH Original Permit Ref: Bj7387ih Effective Date: 28th May 2002 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A7NE (SW)	414	2	591752 166308

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<p>Integrated Pollution Prevention And Control</p> <p>Name: M-Real New Thames Limited Location: New Thames Paper Mill, Uk Paper, Ridham Avenue,Kemsley,, SITTINGBOURNE, Kent, ME10 2GT Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: BX1080IC Original Permit Ref: Bj7387ih Effective Date: 1st February 2004 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Manually positioned to the address or location Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A7NE (SW)	427	2	591736 166305
23	<p>Integrated Pollution Prevention And Control</p> <p>Name: St Regis Paper Company Ltd Location: New Thames Paper Mill, Uk Paper, Ridham Avenue,Kemsley,, SITTINGBOURNE, Kent, ME10 2GT Authority: Environment Agency, Southern Region Permit Reference: JP3535GR Original Permit Ref: Jp3535gr Effective Date: 30th January 2009 Status: Effective Application Type: Transfer App. Sub Type: Whole with Fit and Proper Person Positional Accuracy: Manually positioned within the geographical locality Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A12SE (W)	404	2	591616 166574
23	<p>Integrated Pollution Prevention And Control</p> <p>Name: M-Real Uk Services Ltd Location: New Thames Mill, Uk Paper, Ridham Avenue,Kemsley,, SITTINGBOURNE, Kent, ME10 2GT Authority: Environment Agency, Southern Region Permit Reference: ZP3337XM Original Permit Ref: Bj7387ih Effective Date: 1st December 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Manually positioned within the geographical locality Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A12SE (W)	404	2	591616 166573
24	<p>Integrated Pollution Prevention And Control</p> <p>Name: M-Real New Thames Limited Location: Kemsley And Sittingbourne Paper Mills, Uk Paper, Ridham Avenue, Kemsley, Sittingbourne, Kent, ME10 2GT Authority: Environment Agency, Southern Region Permit Reference: Bx1080ic Original Permit Ref: Bj7387ih Effective Date: 1st February 2004 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Manually positioned to the address or location Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A8NW (SW)	466	2	591864 166174
24	<p>Integrated Pollution Prevention And Control</p> <p>Name: M-Real New Thames Limited Location: Kemsley And Sittingbourne Paper Mills, Uk Paper, Ridham Avenue, Kemsley, Sittingbourne, Kent, ME10 2GT Authority: Environment Agency, Southern Region Permit Reference: Bj7387ih Original Permit Ref: Bj7387ih Effective Date: 28th May 2002 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A8NW (SW)	466	2	591864 166174

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: Ds Smith Paper Limited Location: Kemsley Paper Mill Epr/Bj7468ic, Kemsley Paper Mill, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: CP3538WH Original Permit Ref: Bj7468ic Effective Date: 5th December 2014 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y Activity Code: 6.1 A(1) (A) Activity Description: Paper, Pulp And Board; Producing Pulp From Timber Etc Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.4 A(1) a) (i) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: N</p>	A7NE (SW)	514	2	591643 166278
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: Ds Smith Paper Limited Location: Kemsley Paper Mill Epr/Bj7468ic, Kemsley Paper Mill, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: JP3332EG Original Permit Ref: Bj7468ic Effective Date: 6th January 2014 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.1 A(1) (A) Activity Description: Paper, Pulp And Board; Producing Pulp From Timber Etc Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y Activity Code: 5.4 A(1) a) (i) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: N</p>	A7NE (SW)	514	2	591643 166278
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: Ds Smith Paper Limited Location: Kemsley Paper Mill Epr/Bj7468ic, Kemsley Paper Mill, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: HP3231FS Original Permit Ref: Bj7468ic Effective Date: 5th November 2012 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y Activity Code: 6.1 A(1) (A) Activity Description: Paper, Pulp And Board; Producing Pulp From Timber Etc Primary Activity: N</p>	A7NE (SW)	514	2	591643 166278

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: Ds Smith Paper Limited Location: Kemsley Paper Mill Effluent Treatment Plant, Uk Paper House, Kemsley Mill, Kemsley,, SITTINGBOURNE, Kent, ME10 2SG Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: FP3931FN Original Permit Ref: Yp3635gc Effective Date: 5th November 2012 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: Y</p>	A7NE (SW)	520	2	591779 166155
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: St Regis Paper Company Ltd Location: Kemsley Paper Mill Effluent Treatment Plant, Uk Paper House, Kemsley Mill, Kemsley,, SITTINGBOURNE, Kent, ME10 2SG Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: YP3635GC Original Permit Ref: Yp3635gc Effective Date: 26th January 2009 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole without Fit and Proper Person Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: Y</p>	A7NE (SW)	520	2	591779 166155
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: St Regis Paper Company Ltd Location: Kemsley Paper Mill Effluent Treatment Plant, Uk Paper House, Kemsley Mill, Kemsley,, SITTINGBOURNE, Kent, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: YP3635GC Original Permit Ref: Yp3635gc Effective Date: 19th January 2009 Status: Effective Application Type: Transfer App. Sub Type: Whole without Fit and Proper Person Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: Y</p>	A7NE (SW)	520	2	591779 166155
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: Grovehurst Energy Limited Location: Kemsley Paper Mill Effluent Treatment Plant, Uk Paper House, Kemsley Mill, Kemsley,, SITTINGBOURNE, Kent, ME10 2SG Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: KP3833LL Original Permit Ref: Bj8588iw Effective Date: 6th July 2006 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: Y</p>	A7NE (SW)	520	2	591779 166155
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: M-Real New Thames Ltd Location: UK Paper House, Kemsley, SITTINGBOURNE, Kent, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: Bj7387 Original Permit Ref: Bj7387 Effective Date: 28th May 2002 Status: Superseded By Variation Application Type: PPC APPLICATION App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Not Supplied</p>	A7NE (SW)	520	2	591779 166155

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: Grovehurst Energy Limited Location: Kemsley Paper Mill Effluent Treatment Plant, Uk Paper House, Kemsley Mill, Kemsley, SITTINGBOURNE, Kent, ME10 2SG Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: BJ8588IW Original Permit Ref: Bj8588iw Effective Date: 25th April 2002 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: Y</p>	A7NE (SW)	520	2	591779 166155
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: St Regis Paper Company Ltd Location: Kemsley Paper Mill Effluent Treatment Plant, Uk Paper House, Kemsley Mill, Kemsley, SITTINGBOURNE, Kent, ME10 2SG Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: DP3035FS Original Permit Ref: Yp3635gc Effective Date: Not Supplied Status: Valid Application Type: Surrender App. Sub Type: Part Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: Y</p>	A7NE (SW)	520	2	591779 166155
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: Grovehurst Energy Limited Location: Kemsley And Sittingbourne Paper Mills, Uk Paper House, Kemsley Mill, Kemsley, Sittingbourne, Kent, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: Kp3833II Original Permit Ref: Bj8588iw Effective Date: 6th July 2006 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: Y</p>	A7NE (SW)	521	2	591779 166155
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: Grovehurst Energy Limited Location: Kemsley And Sittingbourne Paper Mills, Uk Paper House, Kemsley Mill, Kemsley, Sittingbourne, Kent, ME10 2SG Authority: Environment Agency, Southern Region Permit Reference: Bj8588iw Original Permit Ref: Bj8588iw Effective Date: 25th April 2002 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: Y</p>	A7NE (SW)	521	2	591779 166155
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: M-Real Uk Services Ltd Location: Kemsley & Sittingbourne Paper Mills, New Thames Mill, Ridham Avenue, Kemsley, Sittingbourne, Kent, ME10 2SG Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: QP3638XL Original Permit Ref: Qp3638xl Effective Date: 1st March 2008 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Located by supplier to within 10m Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A7NE (SW)	530	2	591770 166150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: Wti Uk Ltd Location: Kemsley Sustainable Energy Plant Epr/Xp3637vx, Kemsley Sustainable Energy Plant, Kemsley, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: HP3434WU Original Permit Ref: Xp3637vx Effective Date: 11th December 2014 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: Eew Energy From Waste Uk Limited Location: Kemsley Sustainable Energy Plant Epr/Sp3431kj, Kemsley Sustainable Energy Plant, Kemsley, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: KP3434EN Original Permit Ref: Sp3431kj Effective Date: 6th December 2013 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley Paper Mill Chp Plant Epr/Bj7395ig, Kemsley Mill, Kemsley,,, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: PP3439FX Original Permit Ref: Bj7395ig Effective Date: 5th January 2012 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (A) Activity Description: Incineration Of Hazardous Waste Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50MW Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Energy From Waste Uk Ltd Location: Kemsley Sustainable Energy Plant Epr/Sp3431kj, Kemsley Sustainable Energy Plant, Kemsley, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: SP3431KJ Original Permit Ref: Sp3431kj Effective Date: 27th July 2011 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (C) Activity Description: Incineration Of Non Hazardous Waste Greater Than 1 T/Hr Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Energy From Waste Uk Ltd Location: Kemsley Sustainable Energy Plant, Kemsley Sustainable Energy Plant, Kemsley, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: SP3431KJ Original Permit Ref: Sp3431kj Effective Date: 27th July 2011 Status: Effective Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (C) Activity Description: Incineration Of Non Hazardous Waste Greater Than 1 T/Hr Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley Paper Mill Chp Plant Epr/Bj7395ig, Kemsley Mill, Kemsley,,, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: CP3036MH Original Permit Ref: Bj7395ig Effective Date: 25th January 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (A) Activity Description: Incineration Of Hazardous Waste Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley Mill, Kemsley, Sittingbourne, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: CP3036MH Original Permit Ref: Bj7395ig Effective Date: 25th January 2008 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (A) Activity Description: Incineration Of Hazardous Waste Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: St. Regis Paper Company Limited Location: Kemsley Paper Mill Epr/Bj7468ic, Kemsley Paper Mill, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: MP3835MH Original Permit Ref: Bj7468ic Effective Date: 5th November 2007 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y Activity Code: 6.1 A(1) (A) Activity Description: Paper, Pulp And Board; Producing Pulp From Timber Etc Primary Activity: N</p>	A7NE (SW)	602	2	591632 166162

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley Paper Mill Chp Plant Epr/Bj7395ig, Kemsley Mill, Kemsley,,, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: GP3836LU Original Permit Ref: Bj7395ig Effective Date: 9th December 2006 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 5.1 A(1) (A) Activity Description: Incineration Of Hazardous Waste Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley And Sittingbourne Paper Mills, Kemsley Mill, Kemsley, Sittingbourne, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: GP3836LU Original Permit Ref: Bj7395ig Effective Date: 9th December 2006 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y Activity Code: 5.1 A(1) (A) Activity Description: Incineration Of Hazardous Waste Primary Activity: N</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley Paper Mill Chp Plant Epr/Bj7395ig, Kemsley Mill, Kemsley,,, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: QP3032SJ Original Permit Ref: Bj7395ig Effective Date: 20th December 2005 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley And Sittingbourne Paper Mills, Kemsley Mill, Kemsley, Sittingbourne, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: Qp3032sj Original Permit Ref: Bj7395ig Effective Date: 20th December 2005 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: St. Regis Paper Company Limited Location: Kemsley And Sittingbourne Paper Mills, Kemsley Paper Mill, Kemsley, Sittingbourne, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: Bx1039ib Original Permit Ref: Bj7468ic Effective Date: 14th July 2005 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley Paper Mill Chp Plant Epr/Bj7395ig, Kemsley Mill, Kemsley,,, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: DP3139SB Original Permit Ref: Bj7395ig Effective Date: 27th November 2004 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley And Sittingbourne Paper Mills, Kemsley Mill, Kemsley, Sittingbourne, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: Dp3139sb Original Permit Ref: Bj7395ig Effective Date: 27th November 2004 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley Paper Mill Chp Plant Epr/Bj7395ig, Kemsley Mill, Kemsley,,, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: BX0407IB Original Permit Ref: Bj7395ig Effective Date: 29th February 2004 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley And Sittingbourne Paper Mills, Kemsley Mill, Kemsley, Sittingbourne, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: Bx0407ib Original Permit Ref: Bj7395ig Effective Date: 29th February 2004 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley Paper Mill Chp Plant Epr/Bj7395ig, Kemsley Mill, Kemsley,,, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: BJ7395IG Original Permit Ref: Bj7395ig Effective Date: 24th April 2002 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Ltd Location: Kemsley Mill,Kemsley, Sittingbourne, Kent, Me10 2td Authority: Environment Agency, Southern Region Permit Reference: Bj7395 Original Permit Ref: Bj7395 Effective Date: 24th April 2002 Status: Superseded By Variation Application Type: PPC APPLICATION App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the address or location Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Not Supplied</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley And Sittingbourne Paper Mills, Kemsley Mill, Kemsley, Sittingbourne, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: Bj7395ig Original Permit Ref: Bj7395ig Effective Date: 24th April 2002 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: St. Regis Paper Company Limited Location: Kemsley Paper Mill Epr/Bj7468ic, Kemsley Paper Mill, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: BJ7468IC Original Permit Ref: Bj7468ic Effective Date: 22nd March 2002 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: St. Regis Paper Company Limited Location: Kemsley And Sittingbourne Paper Mills, Kemsley Paper Mill, Kemsley, Sittingbourne, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: Bj7468ic Original Permit Ref: Bj7468ic Effective Date: 22nd March 2002 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A7NE (SW)	602	2	591632 166162

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: St. Regis Paper Company Limited Location: Kemsley Paper Mill, Sittingbourne, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: MP3835MH Original Permit Ref: Bj7468ic Effective Date: 5th November 2007 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Manually positioned to the address or location Activity Code: 6.1 A(1) (A) Activity Description: Paper, Pulp And Board; Producing Pulp From Timber Etc Primary Activity: N Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A7NE (SW)	603	2	591631 166162
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: Ds Smith Paper Limited Location: Kemsley Paper Mill Epr/Bj7468ic, Kemsley Paper Mill, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: WP3936DE Original Permit Ref: Bj7468ic Effective Date: 5th December 2016 Status: Effective Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Located by supplier to within 10m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y Activity Code: 5.4 A(1) a) (i) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: N Activity Code: 6.1 A(1) (A) Activity Description: Paper, Pulp And Board; Producing Pulp From Timber Etc Primary Activity: N</p>	A7NE (SW)	605	2	591630 166160
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: Ds Smith Paper Limited Location: Kemsley Paper Mill Epr/Bj7468ic, Kemsley Paper Mill, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: QP3835AS Original Permit Ref: Bj7468ic Effective Date: 10th August 2016 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.4 A(1) a) (i) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: N Activity Code: 6.1 A(1) (A) Activity Description: Paper, Pulp And Board; Producing Pulp From Timber Etc Primary Activity: N Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A7NE (SW)	605	2	591630 166160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley Paper Mill Chp Plant Epr/Bj7395ig, Kemsley Mill, Kemsley,,, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: AP3934AH Original Permit Ref: Bj7395ig Effective Date: 1st January 2016 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: N</p>	A7NE (SW)	605	2	591630 166160
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: E.On Uk Chp Limited Location: Kemsley Paper Mill Chp Plant Epr/Bj7395ig, Kemsley Mill, Kemsley,,, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: MP3231NE Original Permit Ref: Bj7395ig Effective Date: 24th July 2013 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: Y</p>	A7NE (SW)	605	2	591630 166160
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: St. Regis Paper Company Limited Location: Kemsley Paper Mill Epr/Bj7468ic, Kemsley Paper Mill, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: BX1039IB Original Permit Ref: Bj7468ic Effective Date: 14th July 2005 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y</p>	A7NE (SW)	605	2	591630 166160
28	<p>Integrated Pollution Prevention And Control</p> <p>Name: 4evergreen Technologies Limited Location: Kemsley Park Efw Epr/Yp3137vy, Kemsley Park, Sittingbourne, Kent, ME10 2fe Authority: Environment Agency - South East Region, Kent & South London Area Permit Reference: YP3137VY Original Permit Ref: Yp3137vy Effective Date: 27th October 2015 Status: Effective Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: Y</p>	A12NW (W)	750	2	591270 166820
	<p>Nearest Surface Water Feature</p>	A13NW (W)	15	-	592002 166727

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Pollution Incidents to Controlled Waters Property Type: Paper Industry Location: Kemsley Mill, Kemsley, SITTINGBOURNE Authority: Environment Agency, Southern Region Pollutant: Organic Wastes: Other Note: Waste Water Treatment Plant Fault Incident Date: 27th October 1997 Incident Reference: 197020 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	84	2	592400 166800
30	Pollution Incidents to Controlled Waters Property Type: Paper Industry Location: Kemsley Papermill, SITTINGBOURNE Authority: Environment Agency, Southern Region Pollutant: Chemicals - Detergents/Surfactant Note: Small Spill Firewash F1 Incident Date: 25th March 1998 Incident Reference: 197146 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Industrial Chemicals Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A13SW (SW)	193	2	591960 166430
31	Pollution Incidents to Controlled Waters Property Type: Manufacturing Location: Kemsley Paper Mill, KEMSLEY Authority: Environment Agency, Southern Region Pollutant: General Biodegradable : Other Biological / Non Sewage Note: Not Supplied Incident Date: 12th December 1999 Incident Reference: 3972 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Structural Failure : Retaining Structure Collapse Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A18SE (N)	255	2	592250 167100
32	Pollution Incidents to Controlled Waters Property Type: Manufacturing Location: Kemsley Mill, SITTINGBOURNE, Kent Authority: Environment Agency, Southern Region Pollutant: Other Pollutant Note: Not Supplied Incident Date: 21st March 1999 Incident Reference: 2167 Catchment Area: Medway Estuary Receiving Water: Estuary Cause of Incident: Unauthorised Activity : Breach Of Discharge Consent Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m	A18SE (N)	256	2	592200 167095
32	Pollution Incidents to Controlled Waters Property Type: Manufacturing Location: Kemsleymill, SITTINGBOURNE, Kent Authority: Environment Agency, Southern Region Pollutant: Other Pollutant Note: Not Supplied Incident Date: 21st March 1999 Incident Reference: 2166 Catchment Area: Medway Estuary Receiving Water: Estuary Cause of Incident: Other Cause Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m	A18SE (N)	261	2	592200 167100
32	Pollution Incidents to Controlled Waters Property Type: Ships/Boats Location: Location Description Not Available Authority: Environment Agency, Southern Region Pollutant: Organic Wastes: Other Note: Biological Bulking Problem With Effluent Plant Incident Date: 30th August 1998 Incident Reference: 197304 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Poor/Inadequate Maintenance Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	264	2	592170 167095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	Pollution Incidents to Controlled Waters Property Type: Ships/Boats Location: Location Description Not Available Authority: Environment Agency, Southern Region Pollutant: Organic Wastes: Other Note: Solid Bulking On Treatment Plant Incident Date: 31st August 1998 Incident Reference: 197305 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Poor/Inadequate Maintenance Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	269	2	592170 167100
33	Pollution Incidents to Controlled Waters Property Type: Paper Industry Location: Fly Ash Sluice, Discharge To Swale Authority: Environment Agency, Southern Region Pollutant: Oils - Waste Oil Note: Oil - Fly Ash Sluice Incident Date: 16th March 1993 Incident Reference: CD/047/93 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	A14SW (E)	282	2	592500 166600
34	Pollution Incidents to Controlled Waters Property Type: Paper Industry Location: Grovehurst Energy, Kemsley Mill Authority: Environment Agency, Southern Region Pollutant: Unknown Sewage Note: Power Failure At Effluent Plant Incident Date: 3rd December 1997 Incident Reference: 197053 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	A18SE (NE)	286	2	592400 167100
35	Pollution Incidents to Controlled Waters Property Type: Manufacturing Location: Kemsley Mill, SITTINGBOURNE Authority: Environment Agency, Southern Region Pollutant: Contaminated Water : Fire Fighting Run Off Note: Not Supplied Incident Date: 10th May 1999 Incident Reference: 2414 Catchment Area: Medway Estuary Receiving Water: Estuary Cause of Incident: Other Cause Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m	A12SE (W)	308	2	591700 166700
36	Pollution Incidents to Controlled Waters Property Type: Ships/Boats Location: Location Description Not Available Authority: Environment Agency, Southern Region Pollutant: Organic Wastes: Other Note: Activated Sludge Carry Over Incident Date: 30th December 1998 Incident Reference: 198970 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Poor/Inadequate Maintenance Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	354	2	592200 167195
36	Pollution Incidents to Controlled Waters Property Type: Paper Industry Location: Kemsley Final Effluent Authority: Environment Agency, Southern Region Pollutant: Chemicals - Paints / Dyes Note: 200 Gallons Of Blue Paper Dye Into Swale (Non Toxic) Incident Date: 21st July 1992 Incident Reference: CD/140/92 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Industrial Chemicals Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	359	2	592200 167200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Pollution Incidents to Controlled Waters Property Type: Manufacturing Location: Kemsley Paper Mill, SITTINGBOURNE Authority: Environment Agency, Southern Region Pollutant: General Biodegradable : Other Sewage & Sewerage Material Note: Not Supplied Incident Date: 29th May 1999 Incident Reference: 1560 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Drainage Failures : Foul Sewer Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A18SW (N)	437	2	592000 167200
38	Pollution Incidents to Controlled Waters Property Type: Manufacturing Location: OLD EFFLUENT DISCHARGE PIPE ADJACENT TO SLUDGE PRODUCTION. Authority: Environment Agency, Southern Region Pollutant: General Biodegradable : Biological / Non Sewage Microbiological Effluent Note: Not Supplied Incident Date: 17th December 1999 Incident Reference: 3855 Catchment Area: Swale Receiving Water: Potential River Cause of Incident: Unauthorised Activity : Unconsented Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m	A8NE (S)	438	2	592200 166200
38	Pollution Incidents to Controlled Waters Property Type: Ships/Boats Location: Grovehurst Energy, Kemsley Mill Authority: Environment Agency, Southern Region Pollutant: Organic Wastes: Other Note: Suspected Paper Sludge Leachate Entering Swale Incident Date: 29th September 1998 Incident Reference: 198363 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Poor/Inadequate Maintenance Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	444	2	592160 166180
38	Pollution Incidents to Controlled Waters Property Type: Ships/Boats Location: Grovehurst Energy, Kemsley Mill Authority: Environment Agency, Southern Region Pollutant: Organic Wastes: Other Note: Effluent Treatment Plant Producing Bulking In Final Settlement Tank Incident Date: 3rd November 1998 Incident Reference: 198362 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Poor/Inadequate Maintenance Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	449	2	592160 166175
39	Pollution Incidents to Controlled Waters Property Type: Paper Industry Location: Kemsley Mill Authority: Environment Agency, Southern Region Pollutant: Chemicals - Unknown Note: Fracture Of Main Effluent Line Incident Date: 21st August 1992 Incident Reference: CD/172/92 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Industrial Chemicals Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	520	2	591800 167200
40	Pollution Incidents to Controlled Waters Property Type: Paper Industry Location: Kemsley Papermill Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Inert Suspended Solids Note: High Solids Discharge Incident Date: 5th February 1998 Incident Reference: 298021 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Organic Industrial Waste Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	522	2	592110 166090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Ships/Boats Location: Grovehurst Energy, SITTINGBOURNE Authority: Environment Agency, Southern Region Pollutant: Organic Wastes: Other Note: Solids Carryover Incident Date: 7th November 1998 Incident Reference: 198373 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (S)	527	2	592110 166085
40	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Paper Industry Location: Kemsley Grovehurst Effluent Plant Authority: Environment Agency, Southern Region Pollutant: Sewage - Treated Effluent Note: Exceeding Discharge Consent Incident Date: 6th December 1997 Incident Reference: 197052 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</p>	A8NW (S)	527	2	592115 166085
41	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Ships/Boats Location: Milton Creek, KEMSLEY Authority: Environment Agency, Southern Region Pollutant: Organic Wastes: Other Note: Discharge Of Untreated Paper Mill Effluent Incident Date: 31st August 1998 Incident Reference: 197300 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Poor/Inadequate Maintenance Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	562	2	592020 166045
42	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Landfill/Waste Disposal Site Location: Kemsley Mill Landfill Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Fire water / Foam Note: Paper & Plastics Waste On Fire Incident Date: 17th August 1998 Incident Reference: 197284 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8SE (S)	654	2	592300 166000
43	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Other Farming Location: Kemsley, SITTINGBOURNE Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Fire water / Foam Note: 7 Pump Fire Incident Date: 1st June 1997 Incident Reference: 297210 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A17SE (NW)	784	2	591500 167300
44	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: SITTINGBOURNE Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Unknown Note: Dyke At Back Of His House Is Blue And Smelly Incident Date: 26th July 1992 Incident Reference: CD/159/92 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SW (SW)	944	2	591360 165950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<p>Prosecutions Relating to Authorised Processes</p> <p>Location: At their premises, Kemsley, SITTINGBOURNE, Kent, ME Prosecution Text: Environment Times 1997, Illegally disposing of foul-smelling paper waste. Prosecution Act: EPA90 Hearing Date: 21st July 1997 Verdict: Guilty Fine: 94000 Costs: 4240 Positional Accuracy: Manually positioned within the geographical locality</p>	A7NE (SW)	558	2	591688 166172
46	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - South East Region, Kent & South London Area Incident Date: 29th August 2005 Incident Reference: 341901 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Other Contaminated Water Pollutant: Contaminated Water: Suspended Solids</p>	A18SE (N)	227	2	592198 167065
47	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - South East Region, Kent & South London Area Incident Date: 25th August 2015 Incident Reference: 1371229 Water Impact: Category 3 - Minor Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Other Contaminated Water Pollutant: Specific Waste Materials: Other Composites</p>	A18NE (N)	658	2	592228 167502
48	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - South East Region, Kent & South London Area Incident Date: 6th May 2016 Incident Reference: 1432677 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects Other Odour</p>	A12SW (W)	660	2	591392 166437
49	<p>Water Abstractions</p> <p>Operator: Ds Smith Paper Limited Licence Number: 9/40/02/0114/A/Sr Permit Version: 101 Location: Point 7, River Swale, Sittingbourne. Authority: Environment Agency, Southern Region Abstraction: Production Of Energy: Non-Evaporative Cooling 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 Blue On Licence Map. Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 15th July 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SE (E)	140	2	592380 166680
49	<p>Water Abstractions</p> <p>Operator: Grovehurst Energy Limited Licence Number: 9/40/02/0114/A/Sr Permit Version: 100 Location: Point 7, River Swale, Sittingbourne. Authority: Environment Agency, Southern Region Abstraction: Amenity: 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 Blue On Licence Map. Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 24th November 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SE (E)	140	2	592380 166680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	<p>Water Abstractions</p> <p>Operator: Grovehurst Energy Ltd Licence Number: 2/0114/A/SR Permit Version: Not Supplied Location: SITTINGBOURNE Authority: Environment Agency, Southern Region Abstraction: Industrial Cooling (Miscellaneous) Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 265123 Yearly Rate (m3): 79555000 Details: River Swale (Saline) Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14NW (E)	184	2	592500 166795
	<p>Water Abstractions</p> <p>Operator: Wienerberger Limited Licence Number: 08/114 Permit Version: 103 Location: Point A, Borehole At Milton Brickworks, Sittingbourne Authority: Environment Agency, Southern Region Abstraction: Construction: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On The Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3SE (S)	1301	2	592230 165320
	<p>Water Abstractions</p> <p>Operator: Wienerberger Limited Licence Number: 08/114 Permit Version: 103 Location: Point A, Borehole At Milton Brickworks, Sittingbourne Authority: Environment Agency, Southern Region Abstraction: Extractive: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3SE (S)	1301	2	592230 165320
	<p>Water Abstractions</p> <p>Operator: Thebrickbusiness Ltd Licence Number: 08/114 Permit Version: 102 Location: Point A, Borehole At Milton Brickworks, Sittingbourne Authority: Environment Agency, Southern Region Abstraction: Extractive: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd July 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3SE (S)	1301	2	592230 165320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Thebrickbusiness Ltd Licence Number: 08/114 Permit Version: 102 Location: Point A, Borehole At Milton Brickworks, Sittingbourne Authority: Environment Agency, Southern Region Abstraction: Construction: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On The Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd July 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3SE (S)	1301	2	592230 165320
	<p>Water Abstractions</p> <p>Operator: The Brick Business Licence Number: 08/114 Permit Version: 101 Location: Point A, Borehole At Milton Brickworks, Sittingbourne Authority: Environment Agency, Southern Region Abstraction: Construction: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On The Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th March 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3SE (S)	1301	2	592230 165320
	<p>Water Abstractions</p> <p>Operator: The Brick Business Licence Number: 08/114 Permit Version: 101 Location: Point A, Borehole At Milton Brickworks, Sittingbourne Authority: Environment Agency, Southern Region Abstraction: Extractive: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th March 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3SE (S)	1301	2	592230 165320
	<p>Water Abstractions</p> <p>Operator: Chelwood Brick Ltd Licence Number: 08/114 Permit Version: 100 Location: Point A, Borehole At Milton Brickworks, Sittingbourne Authority: Environment Agency, Southern Region Abstraction: Extractive: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th May 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3SE (S)	1301	2	592230 165320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Chelwood Brick Ltd Licence Number: 08/114 Permit Version: 100 Location: Point A, Borehole At Milton Brickworks, Sittingbourne Authority: Environment Agency, Southern Region Abstraction: Construction: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On The Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th May 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3SE (S)	1301	2	592230 165320
	<p>Water Abstractions</p> <p>Operator: Blue Circle Industries Ltd Licence Number: 2/0225/ /G Permit Version: Not Supplied Location: SITTINGBOURNE/HIGHSTED Authority: Environment Agency, Southern Region Abstraction: Industrial Cooling (Miscellaneous) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 68 Yearly Rate (m3): 22727 Details: I1 & H5 Chalk; Licence Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A3SE (S)	1301	2	592230 165320
	<p>Water Abstractions</p> <p>Operator: Mr J John Russell T/A Ridham Sea Terminals Limited Licence Number: 07/037 Permit Version: 1 Location: Point A, Ridham Dock, Iwade, Sittingbourne Authority: Environment Agency, Southern Region Abstraction: Refuse and Recycling: General use relating to Secondary Category (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th September 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(N)	1692	2	592100 168530
	<p>Water Abstractions</p> <p>Operator: Mr L F Harding Licence Number: 9/40/02/0253/S Permit Version: 100 Location: Point A, Tributary Of The Coldharbour Fleet At Sittingbourne 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: To Fill Off-Stream Reservoir For Subsequent Abstraction Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th February 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1803	2	590223 166939

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Tarmac Trading Limited Licence Number: 07/032 Permit Version: 101 Location: Point A At Ngr Tq 918 687 Authority: Environment Agency, Southern Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 17th June 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1919	2	591880 168727
	Water Abstractions Operator: United Marine Aggregates Ltd Licence Number: 07/032 Permit Version: 100 Location: Point A At Ngr Tq 918 687 Authority: Environment Agency, Southern Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: As Boldly Outlined On Map Authorised Start: 01 October Authorised End: 30 September Permit Start Date: 10th October 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1942	2	591880 168750
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 40 Thames Estuary Scale: 1:100,000	A13NW (W)	0	2	592157 166730
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (W)	0	1	592157 166730
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NW (W)	0	1	592157 166730
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (SW)	0	1	592050 166607
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Events Boundary Accuracy: As Supplied	A13NW (W)	0	2	592157 166730
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models and Tidal Events Boundary Accuracy: As Supplied	A13NW (N)	0	2	592139 166807
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (W)	1	2	592009 166723
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	30	2	592334 166842
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	96	2	592219 166567

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Events Boundary Accuracy: As Supplied	A13SE (S)	107	2	592219 166561
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Events Boundary Accuracy: As Supplied	A13SE (SE)	111	2	592269 166607
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Events Boundary Accuracy: As Supplied	A13NW (N)	247	2	592129 167057
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	0	2	592119 166807
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NW (NW)	0	2	592119 166807
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NW (N)	237	2	592149 167057
	Flood Water Storage Areas None				
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NE (NE)	16	2	592328 166829
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13SW (W)	16	3	591989 166694
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13SW (W)	17	3	591992 166670
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 198.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13SW (W)	21	3	591999 166725
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 163.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A13NE (N)	44	3	592199 166858
55	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 119.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	101	3	592061 166854

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	104	3	592064 166859
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A13NW (N)	122	3	592154 166919
58	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	138	3	592072 166895
59	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 54.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	143	3	592068 166900
60	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A13NW (NW)	143	3	592073 166901
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 335.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A13NW (NW)	144	3	592073 166901
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A13SE (E)	144	3	592415 166711
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	148	3	592017 166892
64	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 21.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	151	3	592006 166892

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	155	3	591985 166886
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 217.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A13SE (E)	159	3	592422 166696
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	164	3	591953 166875
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	176	3	591932 166871
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A13SW (S)	196	3	592071 166414
70	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 556.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Swale Catchment Name: Not Supplied Primacy: 1	A13NE (NE)	206	3	592489 166930
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8NW (S)	237	3	592081 166374
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 118.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8NW (S)	237	3	592081 166374
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 247.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A14SW (E)	278	3	592549 166662

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A13SE (SE)	323	3	592445 166484
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A13SE (SE)	323	3	592445 166484
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	329	3	591884 167028
77	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 1180.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Milton Creek Catchment Name: Not Supplied Primacy: 1	A14SW (E)	332	3	592612 166659
78	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 124.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clay Reach Catchment Name: Not Supplied Primacy: 1	A18SE (NE)	333	3	592413 167145
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	340	3	591888 167043
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	344	3	591887 167047
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A13NW (NW)	352	3	591884 167055
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 134.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A18SW (NW)	363	3	591884 167068

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 204.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A18SE (N)	375	3	592214 167218
84	OS Water Network Lines Watercourse Form: Foreshore Watercourse Length: 11.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A18SE (N)	382	3	592198 167222
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A18SE (N)	387	3	592186 167226
86	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 924.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elmley Reach Catchment Name: Not Supplied Primacy: 1	A14SW (E)	395	3	592684 166668
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A18SW (N)	401	3	592157 167234
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 417.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A18SW (N)	420	3	592130 167246
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18SW (N)	420	3	592122 167246
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 336.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12SE (W)	434	3	591579 166604
91	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 241.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clay Reach Catchment Name: Not Supplied Primacy: 1	A18SE (NE)	442	3	592387 167267

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 215.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	454	3	591734 167074
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 363.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12SE (W)	478	3	591529 166686
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NE (NW)	488	3	591634 167011
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18SW (NW)	490	3	591866 167200
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	511	3	591755 167160
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	514	3	591762 167169
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18SW (NW)	514	3	591836 167213
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 137.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A18SW (NW)	522	3	591833 167221
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A18SW (NW)	523	3	591830 167219

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	531	3	591758 167187
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 225.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	531	3	591758 167187
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NE (W)	539	3	591549 166977
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NE (NW)	540	3	591562 166998
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	543	3	591770 167210
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A17SE (NW)	545	3	591796 167226
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A17SE (NW)	546	3	591791 167226
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NE (W)	551	3	591514 166932
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 209.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A17SE (NW)	552	3	591787 167230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NE (W)	553	3	591531 166973
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NE (W)	553	3	591531 166973
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NE (W)	554	3	591530 166972
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NE (W)	555	3	591530 166972
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NE (NW)	555	3	591542 166995
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NE (W)	557	3	591511 166941
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 299.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NE (NW)	567	3	591527 166994
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NW (W)	581	3	591483 166936
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SW (NE)	596	3	592762 167213

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 190.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SW (NE)	618	3	592807 167192
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SW (NE)	618	3	592807 167192
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 217.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SW (NE)	625	3	592812 167199
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18SW (NW)	632	3	591864 167351
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 143.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A18SW (NW)	632	3	591864 167351
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18SW (NW)	637	3	591845 167350
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 182.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (SW)	637	3	591828 166005
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 487.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SE (S)	643	3	592286 166008
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NW (W)	645	3	591421 166953

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 208.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	650	3	591803 167347
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	650	3	591939 165965
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NW (W)	655	3	591410 166952
131	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 48.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ridham Fleet Catchment Name: Not Supplied Primacy: 1	A18NE (N)	664	3	592353 167502
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SE (S)	668	3	592339 165997
133	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 184.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clay Reach Catchment Name: Not Supplied Primacy: 1	A18NE (N)	674	3	592374 167508
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	681	3	591880 165944
135	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 326.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Ridham Fleet Catchment Name: Not Supplied Primacy: 1	A18NE (N)	681	3	592336 167521
136	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 444.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Milton Creek Catchment Name: Not Supplied Primacy: 1	A8SW (S)	684	3	592121 165928

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	684	3	592121 165928
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	687	3	592061 165920
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 255.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	690	3	592956 167077
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	690	3	592956 167077
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 187.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	697	3	592039 165909
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A14NE (E)	706	3	592986 167042
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A14NE (E)	707	3	592991 167030
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18NW (N)	713	3	591867 167443
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	715	3	591843 165919

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	715	3	591843 165919
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 292.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A9SW (SE)	726	3	592551 166035
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	728	3	591562 167280
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A9SW (SE)	734	3	592564 166034
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A9SW (SE)	734	3	592564 166034
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	735	3	591895 165885
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A18NW (N)	740	3	591894 167491
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 215.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	741	3	591580 167314
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	741	3	591580 167314

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A17SE (NW)	743	3	591627 167354
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	743	3	591627 167354
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 169.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	744	3	591595 167330
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	747	3	591884 165876
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	749	3	591796 165898
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	749	3	591796 165898
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 762.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A9NW (SE)	751	3	592774 166208
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	752	3	591803 165893
163	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18NW (N)	753	3	591877 167497

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	753	3	591790 165896
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	754	3	591867 165873
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A18NW (N)	756	3	591898 167511
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SE (NW)	757	3	591625 167369
168	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 23.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A9SW (SE)	758	3	592570 166009
169	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18NW (N)	759	3	591898 167514
170	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A18NW (N)	759	3	591898 167514
171	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 365.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A14NE (E)	759	3	593060 166969
172	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 255.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A14NE (E)	759	3	593060 166969

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	761	3	591872 165864
174	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18NW (N)	768	3	591886 167519
175	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	775	3	591781 165876
176	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18NW (N)	779	3	591871 167523
177	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 446.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17SW (W)	789	3	591318 167075
178	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NW (W)	791	3	591309 167060
179	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	793	3	591733 165874
180	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	793	3	591733 165874
181	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	795	3	591746 165867

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
182	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	795	3	592873 167385
183	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	795	3	592873 167385
184	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	799	3	591759 165857
185	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	799	3	591759 165857
186	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 148.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	800	3	591757 165858
187	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	802	3	591900 165817
188	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A17NE (NW)	803	3	591590 167402
189	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17NE (NW)	803	3	591590 167402
190	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	803	3	591875 165821

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	803	3	591847 165826
192	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	805	3	591826 165830
193	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17NE (NW)	806	3	591595 167408
194	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	806	3	592884 167388
195	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NW (W)	811	3	591249 166967
196	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	814	3	591862 165811
197	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18NW (N)	817	3	591914 167587
198	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 149.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A18NW (N)	817	3	591914 167587
199	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	817	3	592908 167380

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
200	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	822	3	592916 167380
201	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (S)	823	3	591813 165815
202	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18NW (N)	826	3	591889 167586
203	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A9SW (SE)	829	3	592685 166010
204	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A9SW (SE)	835	3	592680 165997
205	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 440.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A9SW (SE)	836	3	592678 165993
206	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18NW (N)	838	3	591848 167577
207	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	843	3	591853 165784
208	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A12NW (W)	845	3	591191 166897

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
209	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A12NW (W)	846	3	591191 166901
210	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 283.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A18NE (N)	846	3	592422 167675
211	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 143.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clay Reach Catchment Name: Not Supplied Primacy: 1	A18NE (N)	846	3	592422 167675
212	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A12NW (W)	847	3	591174 166834
213	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A12NW (W)	847	3	591181 166865
214	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 51.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A12NW (W)	848	3	591191 166908
215	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 185.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A12NW (W)	848	3	591172 166827
216	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17NE (NW)	851	3	591757 167546
217	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 153.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17NE (NW)	851	3	591757 167546

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
218	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	855	3	592962 167378
219	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 201.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17NE (NW)	862	3	591730 167547
220	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	862	3	593000 167343
221	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	862	3	592977 167372
222	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	862	3	592977 167372
223	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17NE (NW)	862	3	591732 167547
224	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (S)	863	3	591802 165776
225	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (S)	863	3	591802 165776
226	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19NE (NE)	863	3	592912 167442

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
227	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A12NW (W)	864	3	591163 166862
228	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	864	3	592961 167392
229	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A8SW (S)	867	3	591845 165761
230	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 305.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	868	3	591718 165800
231	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	868	3	593017 167331
232	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	870	3	592962 167400
233	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	871	3	592980 167382
234	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A11SE (W)	872	3	591148 166528
235	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19NE (NE)	872	3	592917 167449

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
236	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	876	3	591686 165804
237	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	878	3	593026 167336
238	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A12NW (W)	887	3	591161 166945
239	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	890	3	593053 167317
240	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	890	3	593056 167313
241	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19NE (NE)	891	3	592859 167525
242	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A17NE (NW)	893	3	591540 167475
243	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 113.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 2	A8SE (S)	897	3	592428 165785
244	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19NE (NE)	897	3	592872 167522

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
245	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	899	3	593107 167246
246	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17NE (NW)	900	3	591569 167504
247	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	904	3	593110 167252
248	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17NE (NW)	906	3	591559 167505
249	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	926	3	593126 167269
250	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	930	3	591650 165762
251	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A2NE (S)	934	3	591808 165701
252	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 211.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A20SW (NE)	934	3	593184 167166
253	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	939	3	591652 165751

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
254	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	939	3	591652 165751
255	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: Underground Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A18NW (N)	940	3	591946 167733
256	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Ridham Fleet Catchment Name: North Kent Primacy: 1	A23SW (N)	941	3	592145 167780
257	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A3NW (S)	942	3	591971 165667
258	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 192.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17NW (NW)	943	3	591460 167478
259	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17NW (NW)	943	3	591460 167478
260	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 55.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A7SE (SW)	944	3	591675 165735
261	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 260.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A7SE (SW)	944	3	591604 165768
262	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A7SE (SW)	945	3	591606 165766

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
263	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A23SW (N)	948	3	591948 167742
264	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19NE (NE)	949	3	592970 167506
265	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19NE (NE)	950	3	592980 167497
266	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 384.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A7SW (SW)	953	3	591391 165908
267	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A23SW (N)	961	3	591951 167756
268	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A23SW (N)	961	3	591951 167756
269	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19SE (NE)	962	3	593169 167263
270	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19NE (NE)	964	3	593045 167448
271	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A23SW (N)	965	3	591985 167772

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
272	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19NE (NE)	968	3	593057 167440
273	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A20SW (NE)	972	3	593181 167264
274	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19NE (NE)	973	3	593034 167475
275	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 184.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19NE (NE)	976	3	593030 167484
276	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A2NE (SW)	977	3	591700 165690
277	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19NE (NE)	977	3	592892 167609
278	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A19NE (NE)	977	3	592892 167609
279	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A23SE (N)	978	3	592184 167820
280	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A2NE (S)	982	3	591789 165657

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
281	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ridham Fleet Catchment Name: North Kent Primacy: 1	A23SW (N)	986	3	592114 167821
282	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 291.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17NE (NW)	989	3	591671 167661
283	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 191.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldharbour Fleet Catchment Name: North Kent Primacy: 2	A17NE (NW)	990	3	591502 167568
284	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 176.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A17NE (NW)	990	3	591502 167568
285	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 191.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 1	A23SE (N)	990	3	592455 167814
286	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 612.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Swale Catchment Name: Not Supplied Primacy: 1	A23SE (N)	990	3	592455 167814
287	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ridham Fleet Catchment Name: North Kent Primacy: 1	A23SW (N)	991	3	592115 167826
288	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A23SW (N)	991	3	592115 167826
289	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A2NE (SW)	994	3	591687 165677

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
290	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A15NW (E)	994	3	593281 167060
291	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A2NE (SW)	997	3	591685 165674
292	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A15NW (E)	999	3	593285 167063
293	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: North Kent Primacy: 2	A23SW (N)	1000	3	592142 167839

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
294	<p>Historical Landfill Sites</p> <p>Licence Holder: Kemsley Paper Mill Location: Swale, Kent Name: North Kemsley Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19400 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7190 BGS Ref: Not Supplied Other Ref: SW9</p>	A13SE (SE)	0	2	592167 166725
295	<p>Historical Landfill Sites</p> <p>Licence Holder: Bowaters UK Location: Swale, Kent Name: Kemsley Mill Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19822 First Input Date: 31st December 1977 Last Input Date: 31st December 1993 Specified Waste: Deposited Waste included Inert, Industrial, Commercial and Household Waste, and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7133 BGS Ref: Not Supplied Other Ref: P/05/14, 21DJ</p>	A13SE (SE)	117	2	592290 166617
296	<p>Historical Landfill Sites</p> <p>Licence Holder: Paper Mill Location: Swale, Kent Name: Kemsley Marshes Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19390 First Input Date: Not Supplied Last Input Date: 31st December 1973 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7188 BGS Ref: Not Supplied Other Ref: SW7</p>	A18SW (N)	527	2	592026 167322
297	<p>Historical Landfill Sites</p> <p>Licence Holder: Milton Creek Works Location: Swale, Kent Name: Milton Creek Works Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19421 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7182 BGS Ref: Not Supplied Other Ref: SW45</p>	A8SE (S)	683	2	592284 165965
298	<p>Historical Landfill Sites</p> <p>Licence Holder: Paper Mill Location: Swale, Kent Name: Kemsley Marshes Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19385 First Input Date: Not Supplied Last Input Date: 31st December 1973 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2200/7188 BGS Ref: Not Supplied Other Ref: SW7</p>	A18NW (N)	724	2	591925 167489

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
299	<p>Integrated Pollution Control Registered Waste Sites</p> <p>Name: E.On Uk Chp Ltd Location: Kemsley Mill, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: BA7174 Dated: 27th July 1998 Process Type: IPC new application Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	602	2	591632 166162
299	<p>Integrated Pollution Control Registered Waste Sites</p> <p>Name: E.On Uk Chp Ltd Location: Kemsley Mill, SITTINGBOURNE, Kent, ME10 2TD Authority: Environment Agency, Southern Region Permit Reference: BE3367 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	603	2	591637 166157
300	<p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: Kemsley Mill Landfill Licence Number: 19432 Location: Kemsley Mill Landfill, Kemsley, Sittingbourne, Kent, ME10 2SG Licence Holder: D S Smith Paper Limited Authority: Environment Agency - South East Region, Kent & South London Area Site Category: Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Modified Issued: 18th April 1994 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p>	A13SE (SE)	120	2	592289 166611
301	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 19432 Location: Kemsley Mill Landfill, Kemsley, Sittingbourne, Kent, ME10 2SG Operator Name: D S Smith Paper Limited Operator Location: Not Supplied Authority: Environment Agency - South East Region, Kent & South London Area Site Category: Industrial Waste Landfills Licence Status: Modified Issued: 18th April 1994 Last Modified: 7th February 2018 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SE (SE)	292	2	592300 166389
302	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 401851 Location: Kemsley Paper Mill, Kemsley, Sittingbourne, Kent, ME10 2TD Operator Name: D S Smith Paper Limited Operator Location: Not Supplied Authority: Environment Agency - South East Region, Kent & South London Area Site Category: Physical Treatment Facilities Licence Status: Modified Issued: 5th December 2014 Last Modified: 5th December 2016 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	308	2	591893 166335

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
303	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 402925 Location: Kemsley Park Business Park, Ridham Dock Road, Iwade, Sittingbourne, Kent, ME9 8SR Operator Name: Countrystyle Recycling Limited Operator Location: Not Supplied Authority: Environment Agency - South East Region, Kent & South London Area Site Category: Physical Treatment Facilities Licence Status: Issued Issued: 21st December 2016 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</p>	A18NW (N)	680	2	591957 167456
	<p>Local Authority Landfill Coverage</p> <p>Name: Swale Borough Council - Has no landfill data to supply</p>		0	4	592157 166730
	<p>Local Authority Landfill Coverage</p> <p>Name: Kent County Council - Had landfill data but passed it to the relevant environment agency</p>		0	5	592157 166730
	<p>Local Authority Landfill Coverage</p> <p>Name: Kent County Council - Had landfill data but passed it to the relevant environment agency</p>		312	5	592490 167080
304	<p>Registered Landfill Sites</p> <p>Licence Holder: Grovehurst Energy Ltd Licence Reference: P/05/63 Site Location: Kemsley Mill Extension, Kemsley, Sittingbourne, Kent Licence Easting: 592300 Licence Northing: 166400 Operator Location: U.K Paper House, Kemsley, SITTINGBOURNE, Kent, ME10 2SG Authority: Environment Agency - Southern Region, Kent Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Status: Operational as far as is knownOperational Dated: 18th April 1994 Preceded By: P/05/14 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste Bio Sludge Dewatered Effluent Sludge Cake Floor Sweepings Not Contam.With Kent Cat. A - Non (V.Slow)-Degradable W Kent Cat. B1 - Slowly Degradable Waste Max.Waste Permitted By Licence Primary Sludge Cake Pulverised Fuel Ash Uncontam. Empty Used Containers Prohibited Waste Liable To Cause Environmental Hazards Toxic Substances Waste N.O.S.</p>	A13SE (SE)	283	2	592300 166400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
304	<p>Registered Landfill Sites</p> <p>Licence Holder: New Thames Paper Co Ltd Licence Reference: P/05/14 Site Location: Kemsley Mill, Kemsley, SITTINGBOURNE, Kent, ME10 3ET Licence Easting: 592305 Licence Northing: 166400 Operator Location: As Site Address Authority: Environment Agency - Southern Region, Kent Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Status: Record supersededSuperseded Dated: 14th October 1977 Preceded By: Not Given Licence: Superseded By: P/05/63 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Constr'N/Demol. Inert/Non-Haz/Non-Tox Paper Making Wastes Wet Fly Ash</p>	A13SE (SE)	286	2	592305 166400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13NW (W)	0	1	592157 166730
305	BGS Recorded Mineral Sites Site Name: Kemsley Down Brick Works Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 130863 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8NW (S)	552	1	591896 166073
306	BGS Recorded Mineral Sites Site Name: Elmley Hills Cement Works Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 130780 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Palaeogene Geology: London Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	837	1	592615 167607
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	592050 166607
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	592050 166607
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	592157 166730
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	6	1	592058 166599
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	222	1	592483 166965
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	592157 166730
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	592050 166607
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	222	1	592483 166965
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	592157 166730
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	222	1	592483 166965
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	592157 166730
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	112	1	592281 166616

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	134	1	592288 166580
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	166	1	592357 166618
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	204	1	592308 166513
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	219	1	592390 166576
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	222	1	592483 166965
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	592050 166607
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	592157 166730
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	27	1	592331 166840
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	74	1	592369 166869
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	222	1	592483 166965
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	592157 166730
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	143	1	592281 166573
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	222	1	592483 166965
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	592157 166730
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	592157 166730

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
307	Contemporary Trade Directory Entries Name: D S Smith Location: Kemsley Mill, Kemsley, Sittingbourne, ME10 2TD Classification: Paper & Cardboard Products & Packaging - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	320	-	591818 166375
308	Contemporary Trade Directory Entries Name: A A G Distribution Location: Kemsley Paper Mill, Kemsley, Sittingbourne, Kent, ME10 2SG Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	371	-	591768 166352
309	Contemporary Trade Directory Entries Name: D S Smith Recycling Location: Kemsley Mill, Kemsley, Sittingbourne, Kent, ME10 2TD Classification: Recycling Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	514	-	591643 166278
310	Contemporary Trade Directory Entries Name: Powergen Chp Ltd Location: UK Paper House, Kemsley, Sittingbourne, Kent, ME10 2SG Classification: Electricity Companies Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	520	-	591779 166155
310	Contemporary Trade Directory Entries Name: M-Real New Thames Ltd Location: UK Paper House, Kemsley, Sittingbourne, Kent, ME10 2SG Classification: Paper & Pulp Mills Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	520	-	591779 166155
310	Contemporary Trade Directory Entries Name: Glosrose Mechanical Handling Ltd Location: UK Paper House, Kemsley, Sittingbourne, ME10 2SG Classification: Fork Lift Trucks Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	530	-	591782 166143
310	Contemporary Trade Directory Entries Name: Sittingbourne & Kemsley Light Railway Location: Kemsley, Sittingbourne, Kent, ME10 2SG Classification: Railways (Steam and Miniature) Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	555	-	591750 166132
311	Contemporary Trade Directory Entries Name: A A Griggs Location: Kemsley, Sittingbourne, Kent, ME10 2SG Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	581	-	591692 166140
312	Contemporary Trade Directory Entries Name: Mr Clutch Location: Kemsley Mill, Kemsley, Sittingbourne, ME10 2TD Classification: Brake & Clutch Service Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	602	-	591632 166162
312	Contemporary Trade Directory Entries Name: St Regis Paper Co Ltd Location: Kemsley Mill, Kemsley, Sittingbourne, Kent, ME10 2TD Classification: Paper & Cardboard Products & Packaging - Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	602	-	591632 166162
313	Contemporary Trade Directory Entries Name: Firmin Location: Unit 10, Kemsley Fields Business Park, Barge Way, Sittingbourne, ME10 2FE Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	828	-	591179 166697
314	Contemporary Trade Directory Entries Name: Allwick Patterns Ltd Location: Unit B, O Y O Business Units, Barge Way, Kemsley, Sittingbourne, ME10 2FB Classification: Pattern Makers - Industrial Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	829	-	591190 166532

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
315	<p>Contemporary Trade Directory Entries</p> <p>Name: C W C Automotive Location: Unit P, O Y O Business Units, Barge Way, Kemsley, Sittingbourne, Kent, ME10 2FB Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	857	-	591155 166583
315	<p>Contemporary Trade Directory Entries</p> <p>Name: Carbon Motive Ltd Location: Unit P, O Y O Business Units, Barge Way, Kemsley, Sittingbourne, ME10 2FB Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	857	-	591155 166583
316	<p>Contemporary Trade Directory Entries</p> <p>Name: Vibration Monitoring Services Ltd Location: 86, Recreation Way, Kemsley, Sittingbourne, Kent, ME10 2TG Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NW (SW)	884	-	591321 166089
317	<p>Contemporary Trade Directory Entries</p> <p>Name: Pillars Property Cleaning & Maintenance Location: 2, George Walk, Kemsley, Sittingbourne, Kent, ME10 2GW Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (W)	903	-	591144 166408
318	<p>Contemporary Trade Directory Entries</p> <p>Name: Carpet Cleaning Kent Location: 10, Samuel Drive, Kemsley, Sittingbourne, ME10 2GB Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address</p>	A11SE (W)	911	-	591123 166458
319	<p>Contemporary Trade Directory Entries</p> <p>Name: Michelsons Uk Ltd Location: Unit J, O Y O Business Units, Barge Way, Kemsley, Sittingbourne, Kent, ME10 2FB Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (W)	936	-	591079 166553
320	<p>Contemporary Trade Directory Entries</p> <p>Name: L S Cleaning Services Location: 34, Lloyd Drive, Kemsley, Sittingbourne, Kent, ME10 2GA Classification: Oven cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (W)	987	-	591036 166499
320	<p>Contemporary Trade Directory Entries</p> <p>Name: J S Cleaning Services Location: 34, Lloyd Drive, Kemsley, Sittingbourne, Kent, ME10 2GA Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (W)	987	-	591036 166499
320	<p>Contemporary Trade Directory Entries</p> <p>Name: Bedazzled Cleaning Services Location: 34, Lloyd Drive, Kemsley, Sittingbourne, Kent, ME10 2GA Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A11SE (W)	987	-	591036 166499
320	<p>Contemporary Trade Directory Entries</p> <p>Name: Bedazzled Cleaning Services Location: 34, Lloyd Drive, Kemsley, SITTINGBOURNE, Kent, ME10 2GA Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (W)	987	-	591036 166499

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
321	Environmentally Sensitive Areas Name: North Kent Marshes (decommissioned) Multiple Areas: Y Total Area (m2): 58689973.1 Source: Natural England	A19SW (NE)	390	6	592578 167109
322	Environmentally Sensitive Areas Name: North Kent Marshes (decommissioned) Multiple Areas: Y Total Area (m2): 8430039.17 Source: Natural England	A17SE (NW)	481	6	591746 167114
323	Environmentally Sensitive Areas Name: North Kent Marshes (decommissioned) Multiple Areas: Y Total Area (m2): 4433494.21 Source: Natural England	A8SE (S)	608	6	592292 166045
324	Marine Nature Reserves Name: The Swale Estuary Multiple Area: Y Area (m2): 51312966.83 Source: Natural England	A13NE (NE)	19	6	592330 166830
325	National Nature Reserves Name: Elmley Multiple Areas: Y Total Area (m2): 12124250.12 Source: Natural England Reference: 1007024 Designation Date: Not Supplied	A19SW (NE)	392	6	592596 167092
326	Ramsar Sites Name: The Swale Multiple Areas: N Total Area (m2): 65098829 Source: Natural England Reference: UK11071 Designation Date: Not Supplied	A13NE (NE)	163	6	592443 166922
327	Sites of Special Scientific Interest Name: The Swale Multiple Areas: N Total Area (m2): 65093505.77 Source: Natural England Reference: 1003678 Designation Details: Environmentally Sensitive Area Designation Date: 20th February 1990 Date Type: Notified Designation Details: Local Nature Reserve Designation Date: 20th February 1990 Date Type: Notified Designation Details: Nature Conservation Review Designation Date: 20th February 1990 Date Type: Notified Designation Details: National Nature Reserve Designation Date: 20th February 1990 Date Type: Notified Designation Details: Ramsar Site Designation Date: 20th February 1990 Date Type: Notified Designation Details: RSPB Reserve Designation Date: 20th February 1990 Date Type: Notified Designation Details: Special Protection Area Designation Date: 20th February 1990 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 20th February 1990 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 20th February 1990 Date Type: Notified	A13NE (NE)	163	6	592443 166922
328	Special Protection Areas Name: The Swale Multiple Areas: N Total Area (m2): 65099545.42 Source: Natural England Reference: UK9012011 Designation Date: Not Supplied	A13NE (NE)	165	6	592445 166922



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Swale Borough Council - Environmental Health Department	January 2015	Annually
Discharge Consents Environment Agency - Southern Region	April 2018	Quarterly
Enforcement and Prohibition Notices Environment Agency - Southern Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Southern Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region	April 2018 April 2018	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Swale Borough Council - Environmental Health Department London Port Health Authority - Environmental Services	April 2013 October 2014	Variable Variable
Local Authority Pollution Prevention and Controls Swale Borough Council - Environmental Health Department London Port Health Authority - Environmental Services	April 2013 October 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Swale Borough Council - Environmental Health Department London Port Health Authority - Environmental Services	April 2013 October 2014	Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2017	
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
Registered Radioactive Substances Environment Agency - Southern Region	January 2015	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	April 2018 April 2018 April 2018	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region	April 2018	Quarterly
Water Industry Act Referrals Environment Agency - Southern Region	October 2017	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	August 2015	As notified

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	January 2018	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2018	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2018	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	May 2018	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	May 2018	Quarterly
Flood Defences Environment Agency - Head Office	May 2018	Quarterly
OS Water Network Lines Ordnance Survey	May 2018	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	April 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	April 2018 April 2018 April 2018	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - Kent & South London Area Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	April 2018 April 2018 April 2018	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Kent County Council - Waste Management Group Swale Borough Council - Environmental Health Department	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Kent County Council - Waste Management Group Swale Borough Council - Environmental Health Department	May 2000 May 2000	Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Southern Region - Kent Area Environment Agency - Southern Region - Kent and East Sussex	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	September 2017	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements London Port Health Authority - Environmental Services Kent County Council Swale Borough Council	January 2008 January 2016 October 2015	Annual Rolling Update Variable Variable
Planning Hazardous Substance Consents London Port Health Authority - Environmental Services Kent County Council Swale Borough Council	January 2008 January 2016 October 2015	Annual Rolling Update Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2018	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	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	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
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	May 2018	Quarterly
Fuel Station Entries Catalist Ltd - Experian	April 2018	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	October 2017	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	February 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2018	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	February 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	
Ramsar Sites Natural England	February 2018	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2018	Bi-Annually
Special Areas of Conservation Natural England	January 2018	Bi-Annually
Special Protection Areas Natural England	February 2018	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
4	Swale Borough Council - Environmental Health Department Swale House, East Street, Sittingbourne, Kent, ME10 3HT	Telephone: 01795 424341 Fax: 01795 417217 Website: www.swale.gov.uk
5	Kent County Council - Waste Management Group Block H, The Forstal, Beddow Way, Aylesford, Kent, ME20 7BT	Telephone: 01622 605976 Website: www.kent.gov.uk
6	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

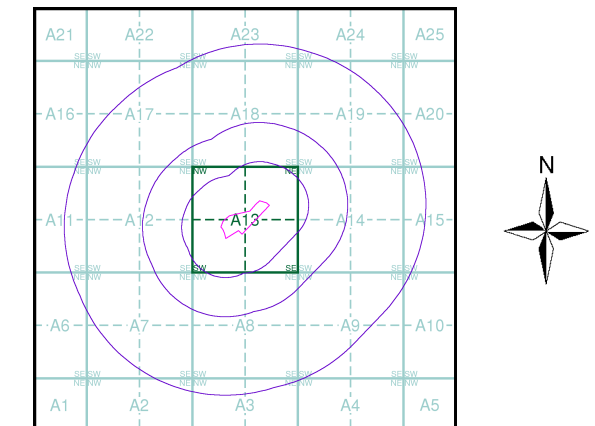
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil,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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:10,560	1869	2
Kent	1:10,560	1898	3
Kent	1:10,560	1909	4
Kent	1:10,560	1938	5
Kent	1:10,560	1940 - 1950	6
Ordnance Survey Plan	1:10,000	1961	7
Ordnance Survey Plan	1:10,000	1966	8
Ordnance Survey Plan	1:10,000	1979	9
Ordnance Survey Plan	1:10,000	1991	10
10K Raster Mapping	1:10,000	1999	11
Street View	Variable		12

Historical Map - Slice A



Order Details

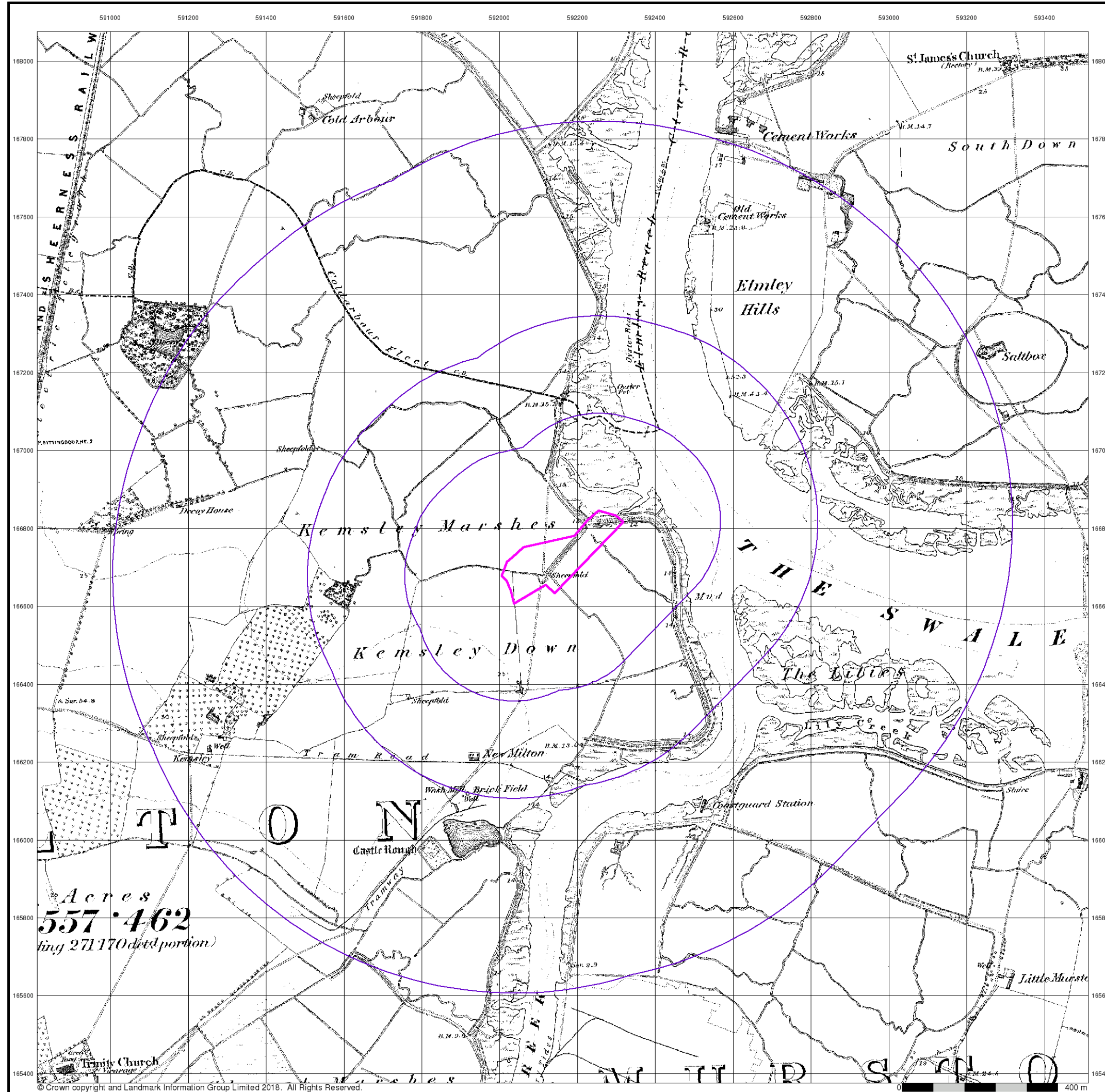
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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



Acres
557.462
 (including 271170 detached portion)

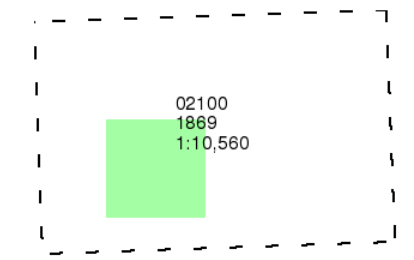
© Crown copyright and Landmark Information Group Limited 2018. All Rights Reserved.



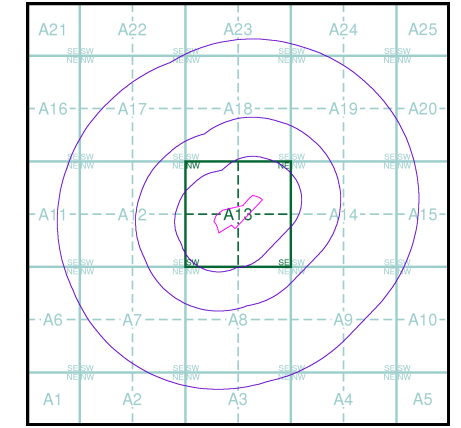
Kent
Published 1869
Source map scale - 1:10,560

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

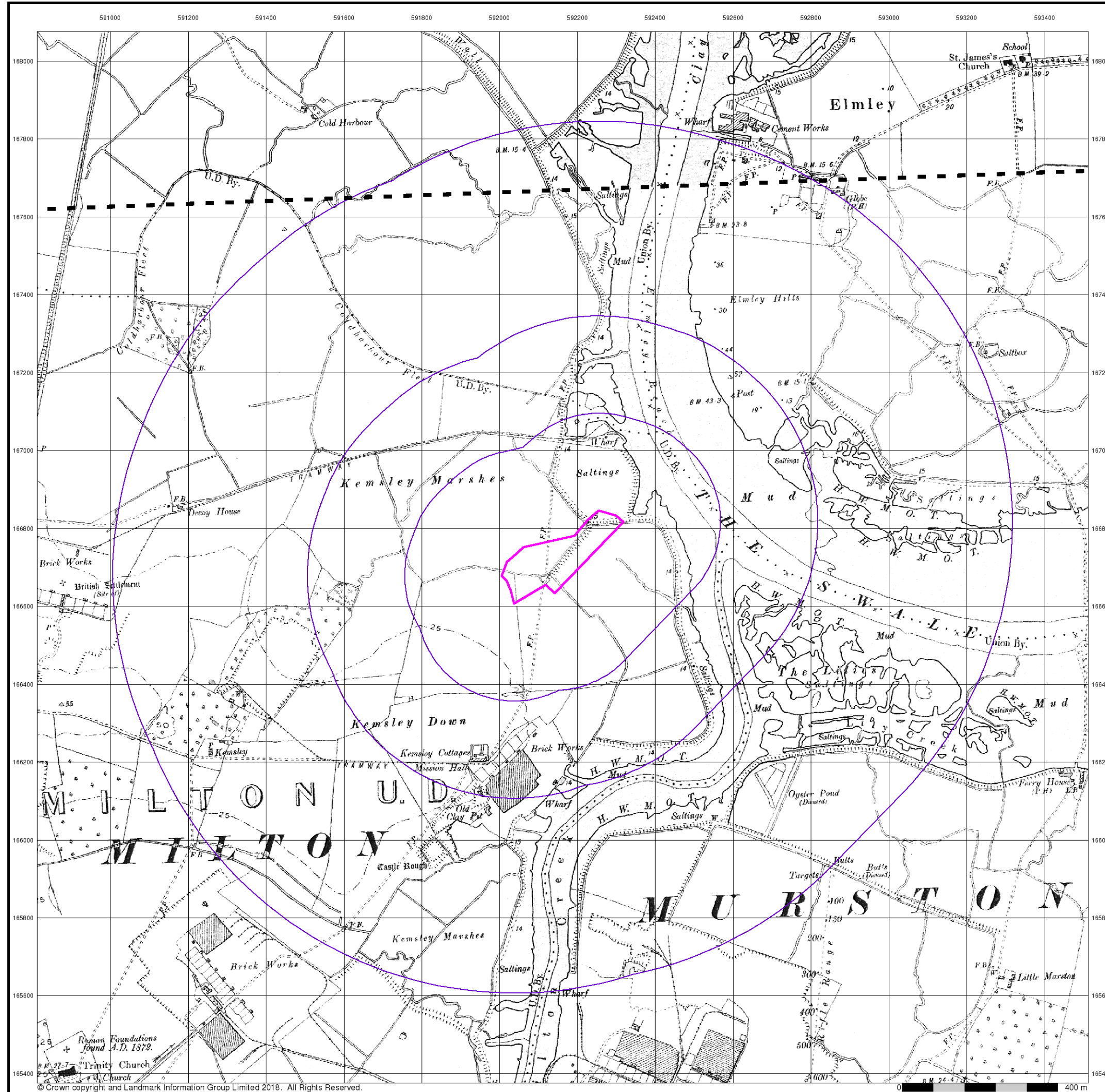
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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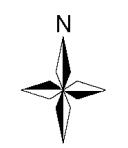
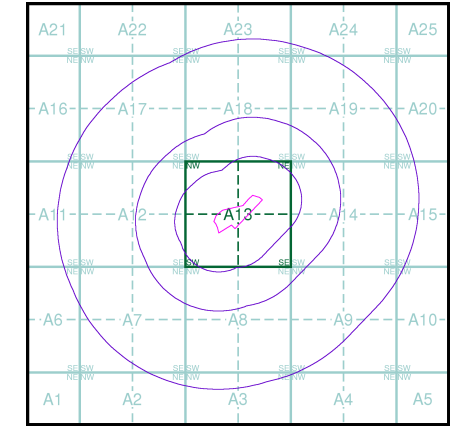
Kent
Published 1898
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

021NW	1898	1:10,560
021SW	1898	1:10,560

Historical Map - Slice A



Order Details

Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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Kent

Published 1909

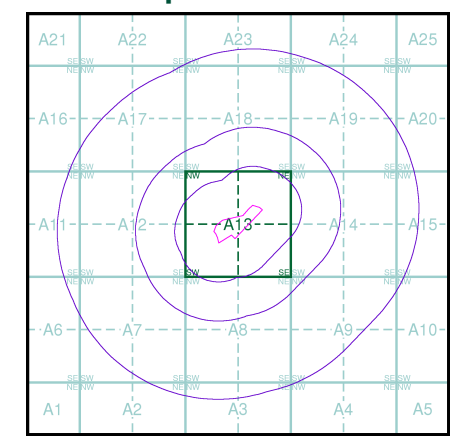
Source map scale - 1:10,560

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)

021NW	1909	1:10,560
021SW	1909	1:10,560

Historical Map - Slice A



Order Details

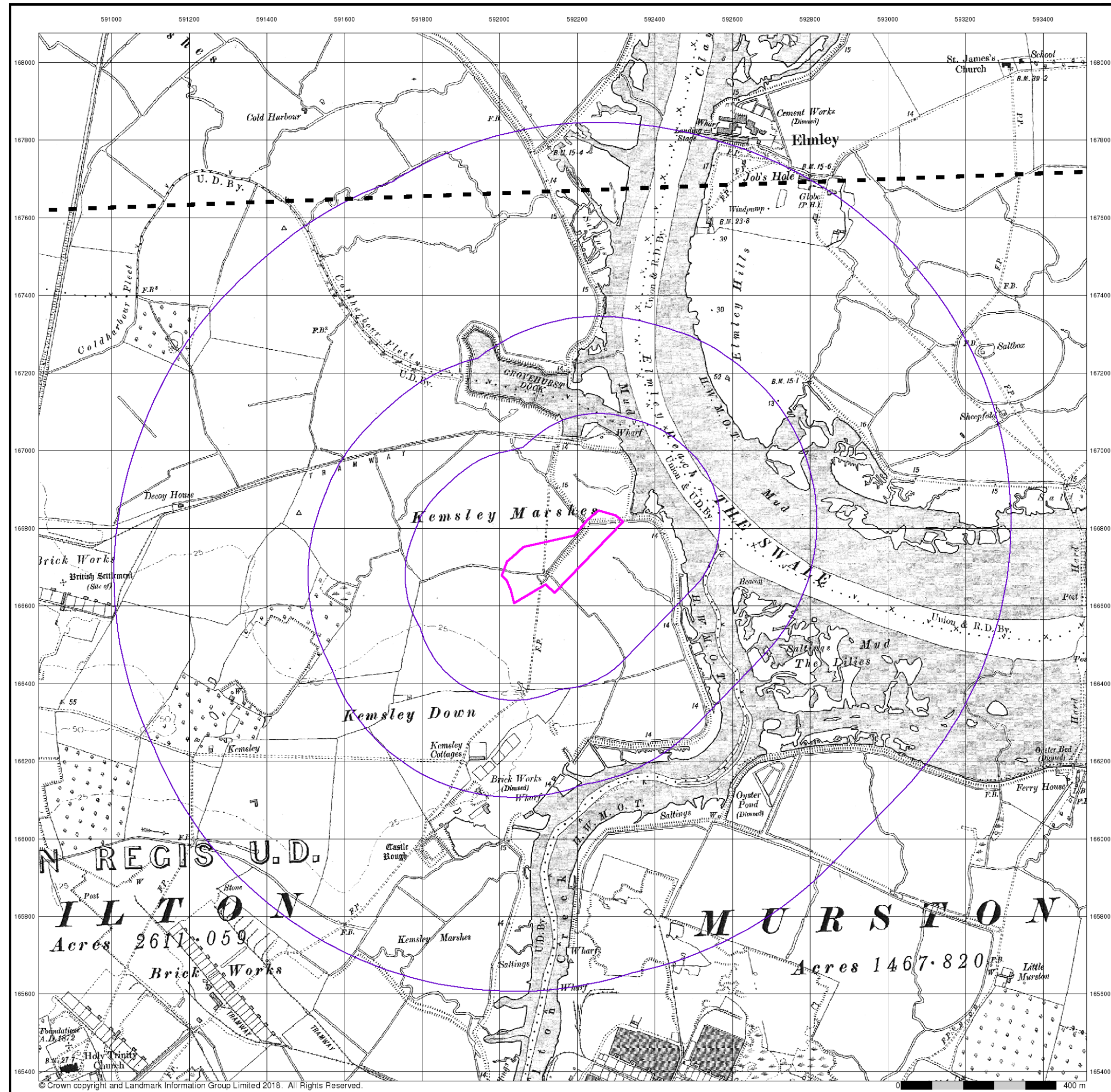
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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Kent

Published 1938

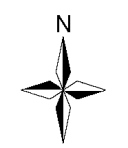
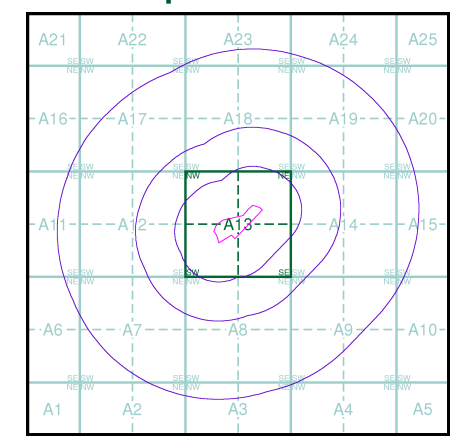
Source map scale - 1:10,560

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)

021NW	1938	1:10,560
021SW	1938	1:10,560

Historical Map - Slice A



Order Details

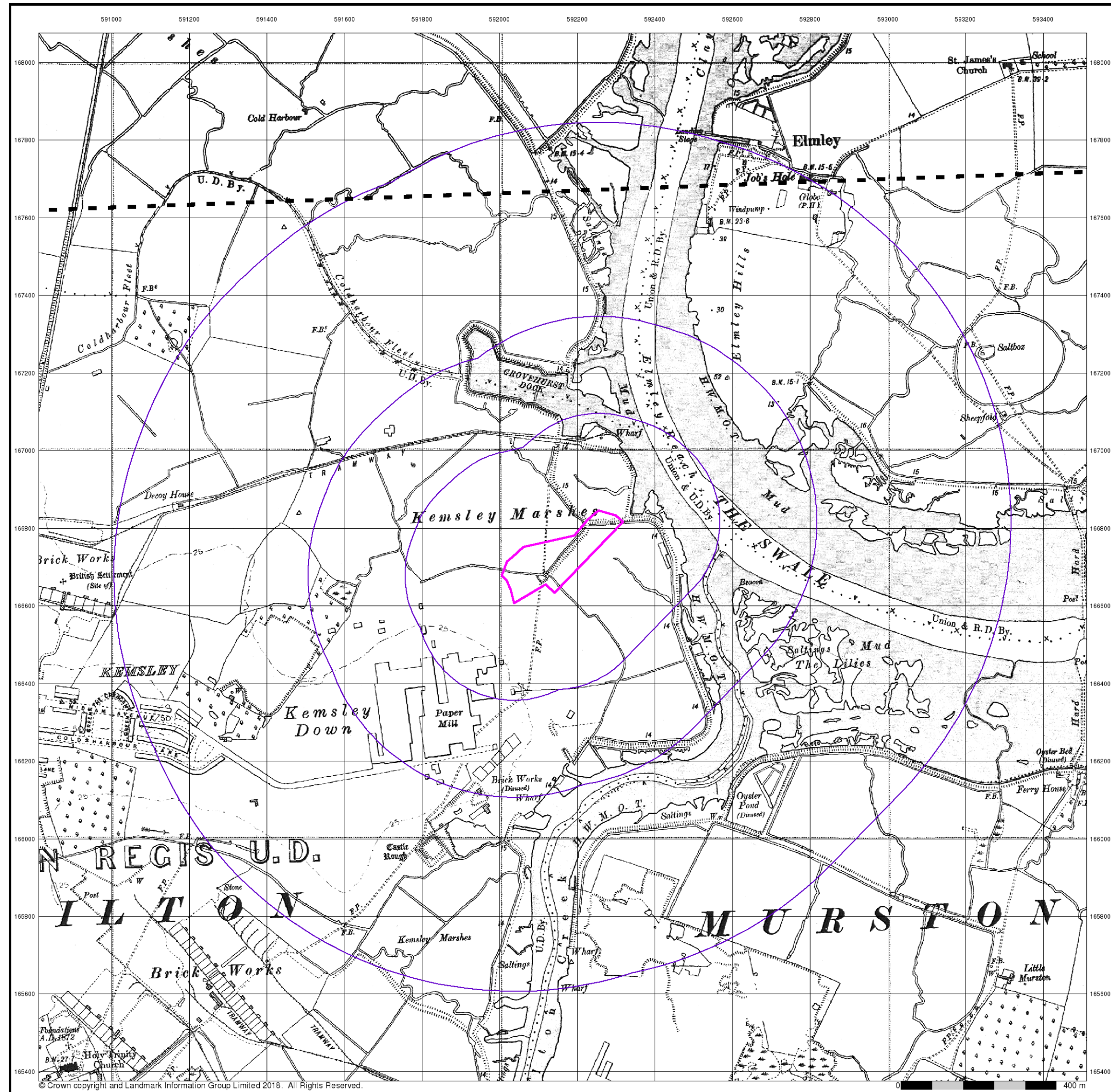
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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Kent

Published 1940 - 1950

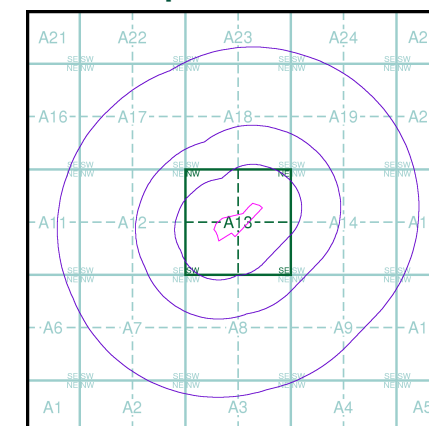
Source map scale - 1:10,560

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)

021NW	1940	1:10,560
021SW	1950	1:10,560

Historical Map - Slice A



Order Details

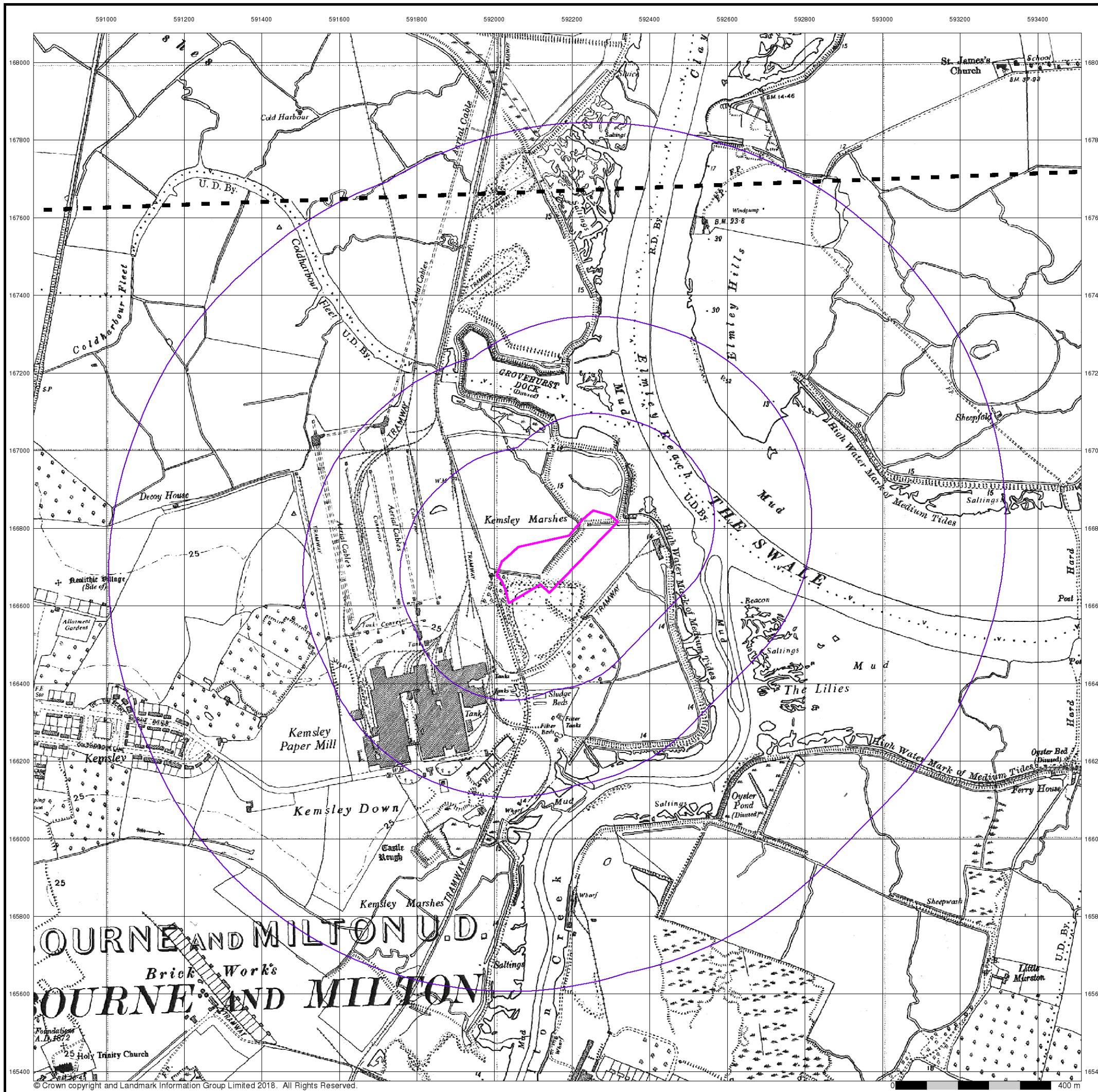
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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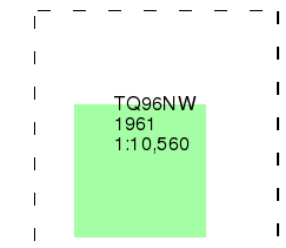
Ordnance Survey Plan

Published 1961

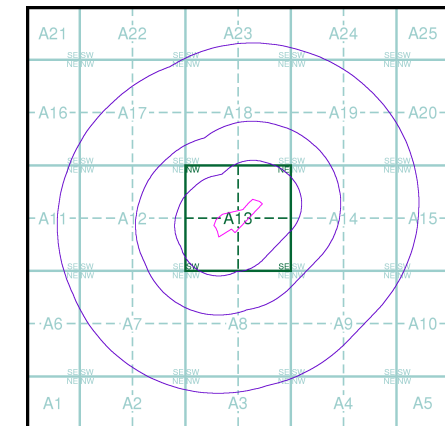
Source map scale - 1:10,000

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

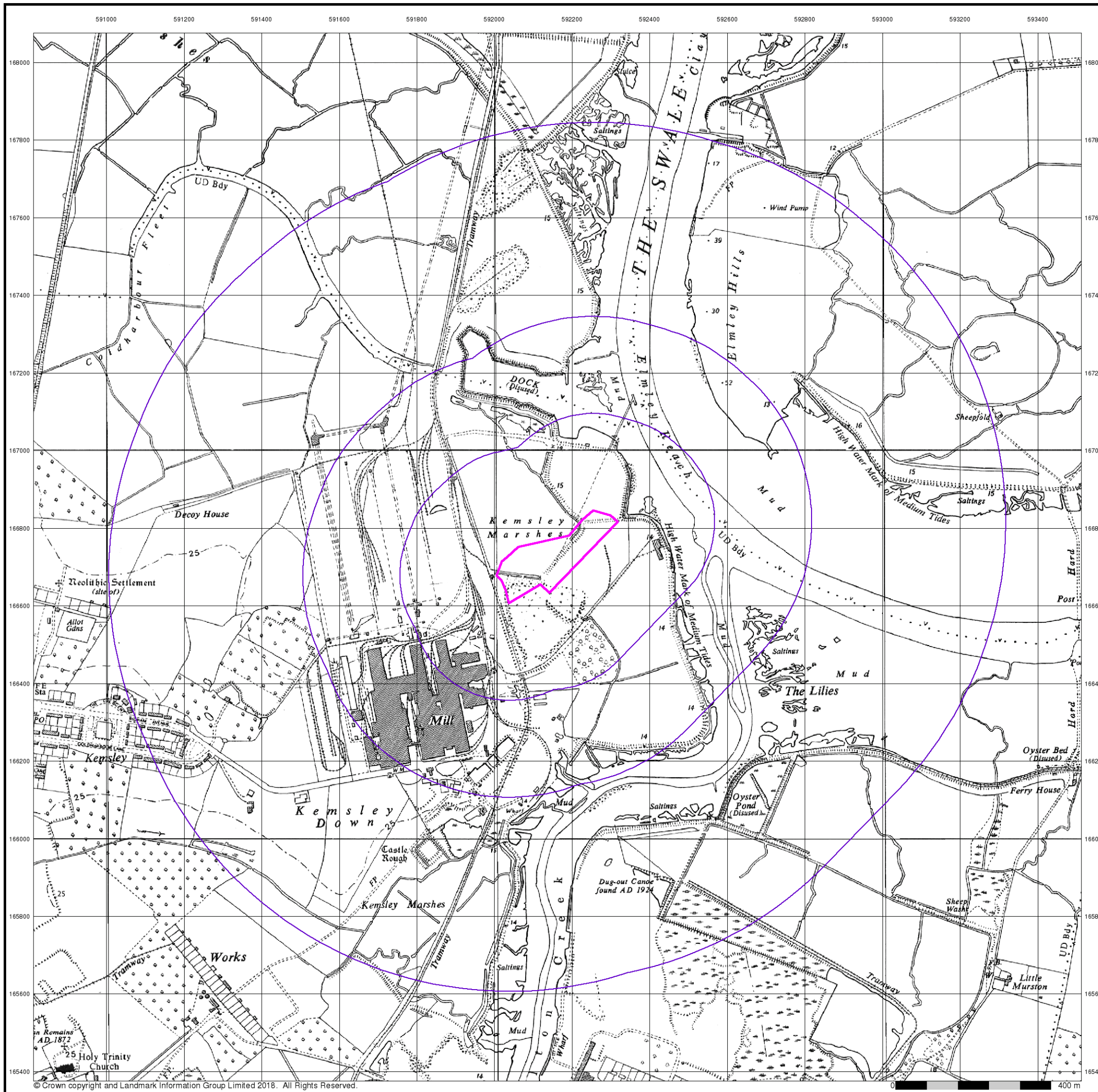
Order Number: 173688989_1_1
Customer Ref: JER1519
National Grid Reference: 592160, 166730
Slice: A
Site Area (Ha): 2.97
Search Buffer (m): 1000

Site Details

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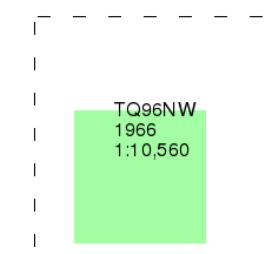
Ordnance Survey Plan

Published 1966

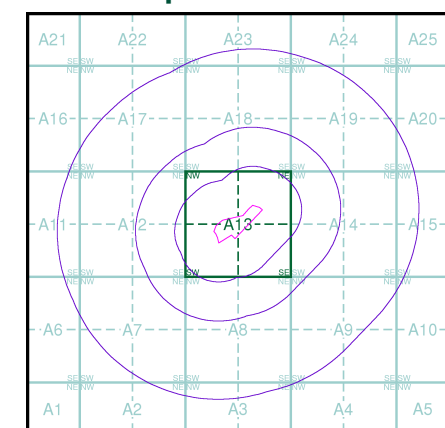
Source map scale - 1:10,000

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

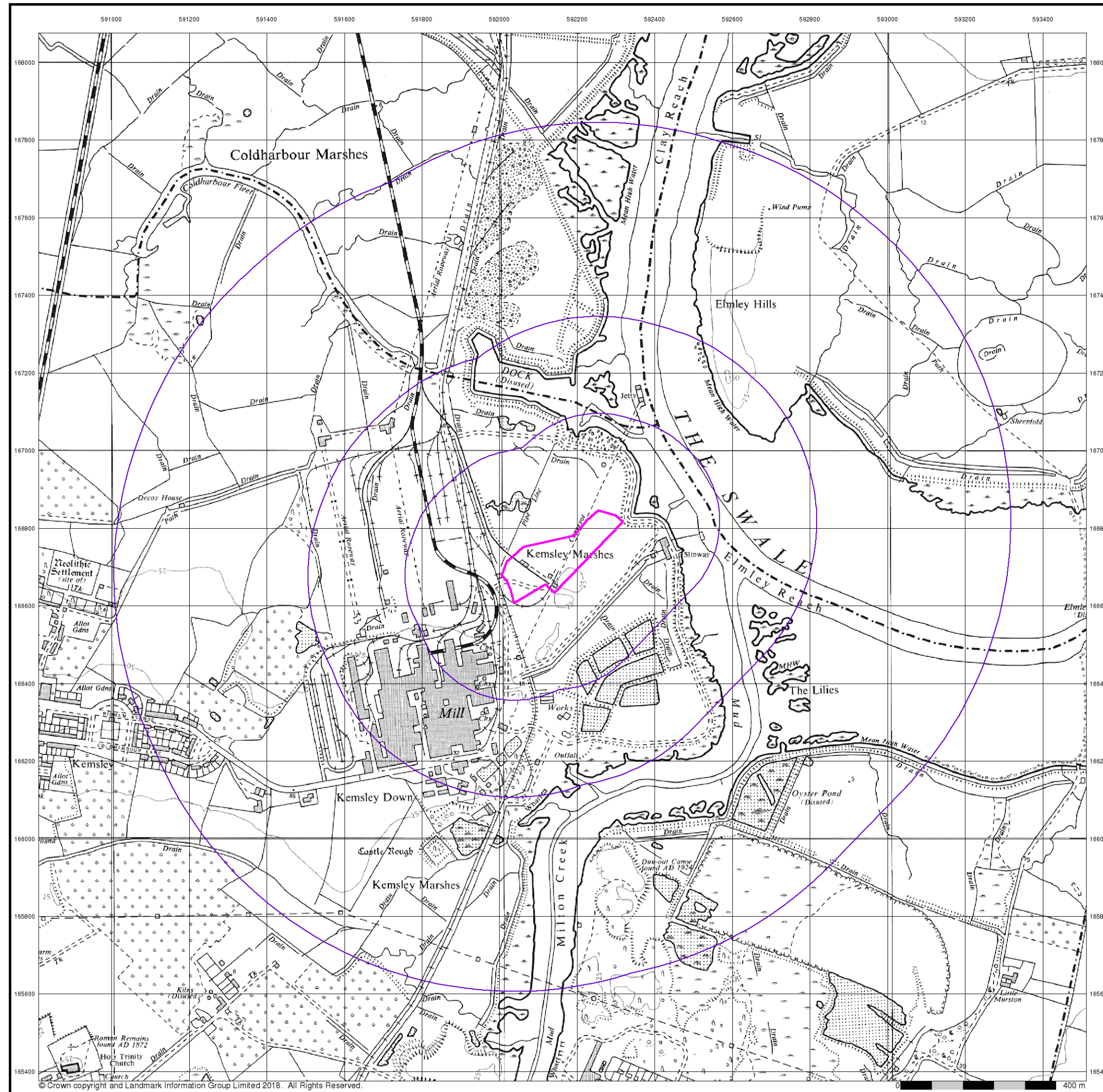
Order Number: 173688989_1_1
Customer Ref: JER1519
National Grid Reference: 592160, 166730
Slice: A
Site Area (Ha): 2.97
Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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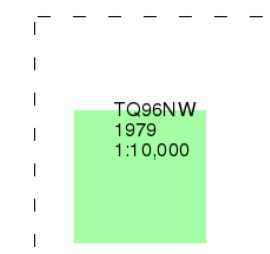
Ordnance Survey Plan

Published 1979

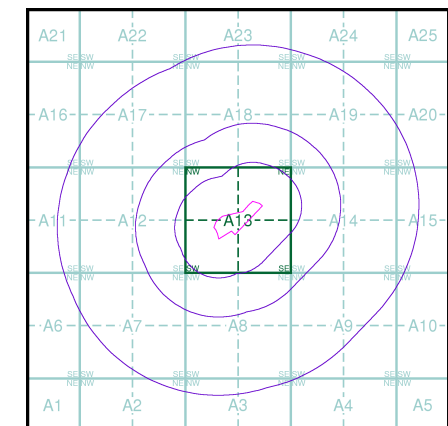
Source map scale - 1:10,000

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 A



Order Details

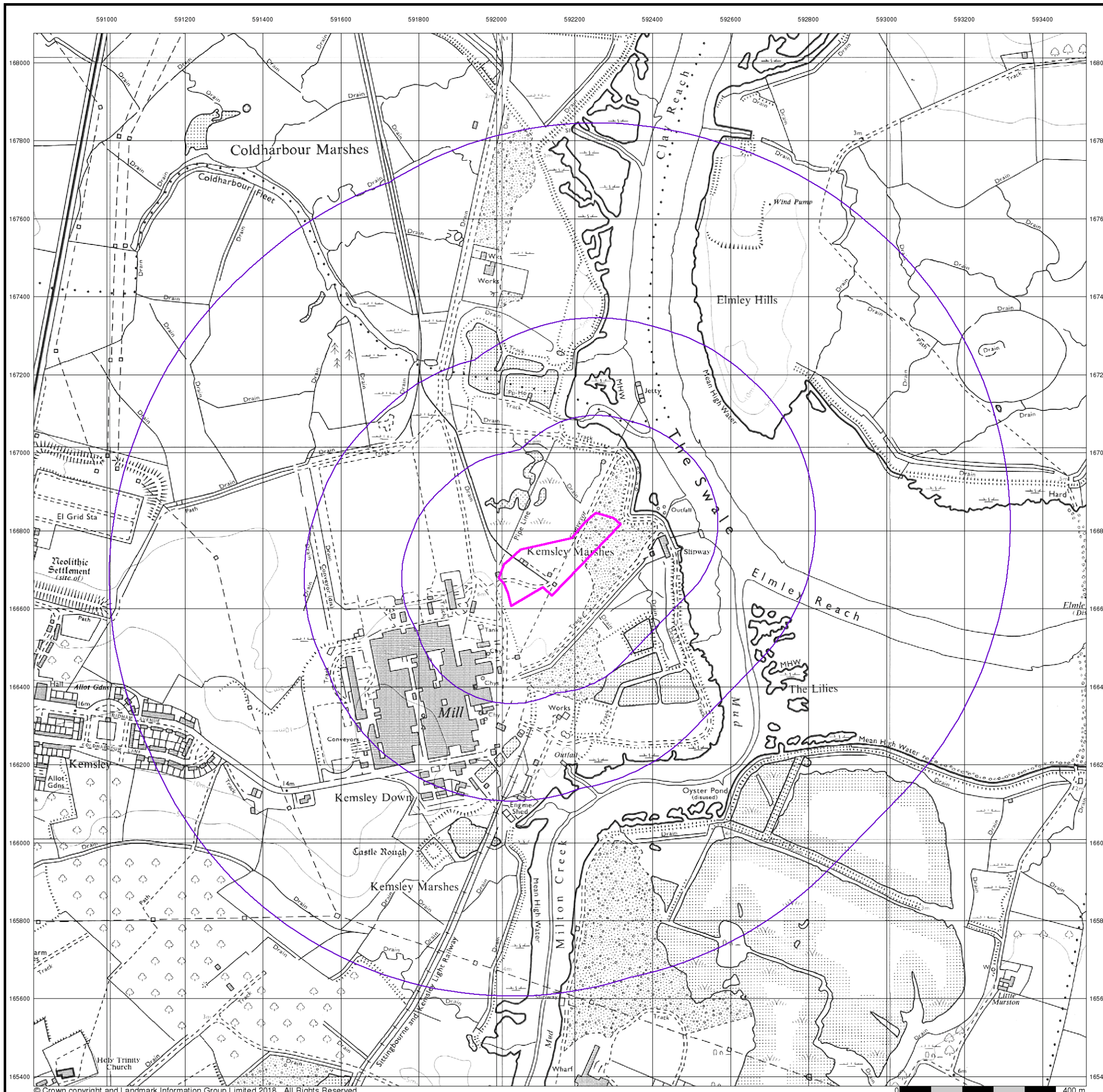
Order Number: 173688989_1_1
Customer Ref: JER1519
National Grid Reference: 592160, 166730
Slice: A
Site Area (Ha): 2.97
Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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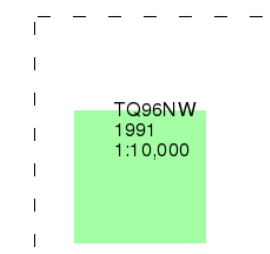
Ordnance Survey Plan

Published 1991

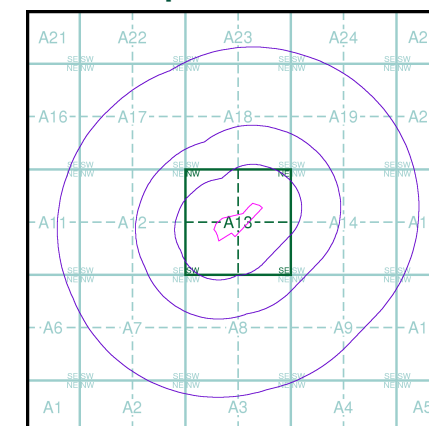
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 173688989_1_1
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National Grid Reference: 592160, 166730
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Site Details

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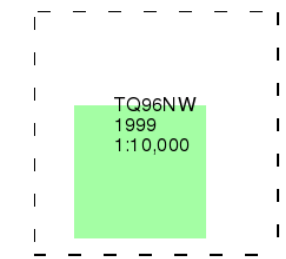
10k Raster Mapping

Published 1999

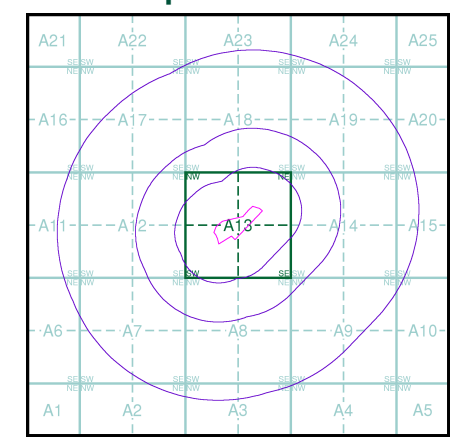
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

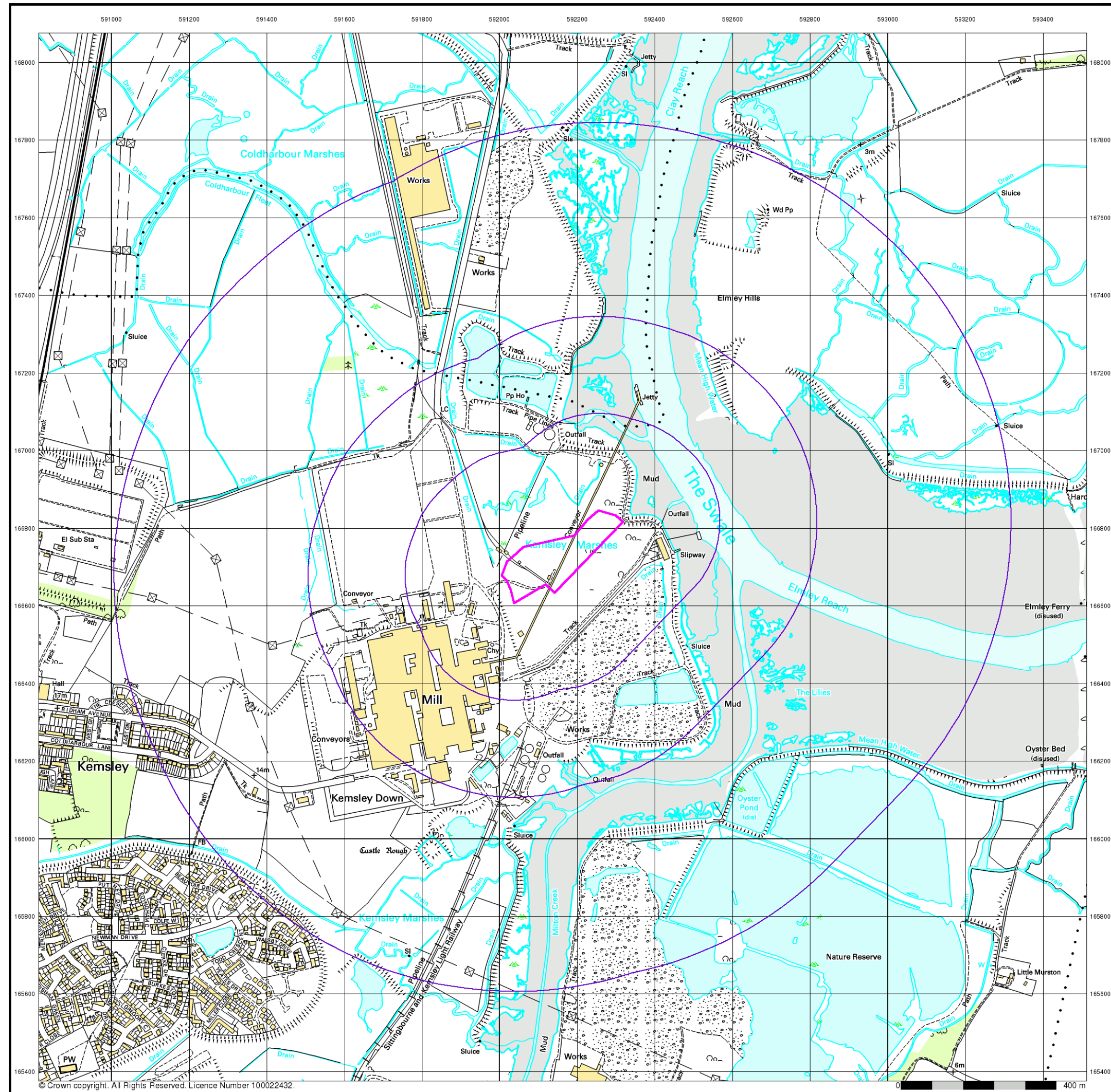
Order Number: 173688989_1_1
 Customer Ref: JER1519
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 Site Area (Ha): 2.97
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Street View

Published 2018

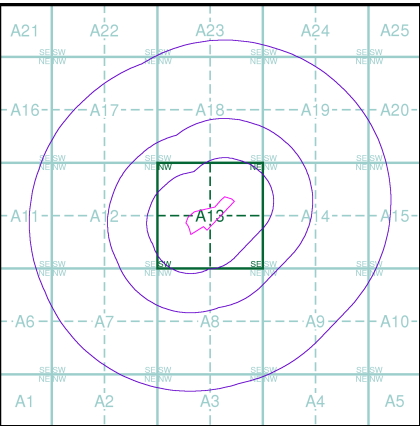
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

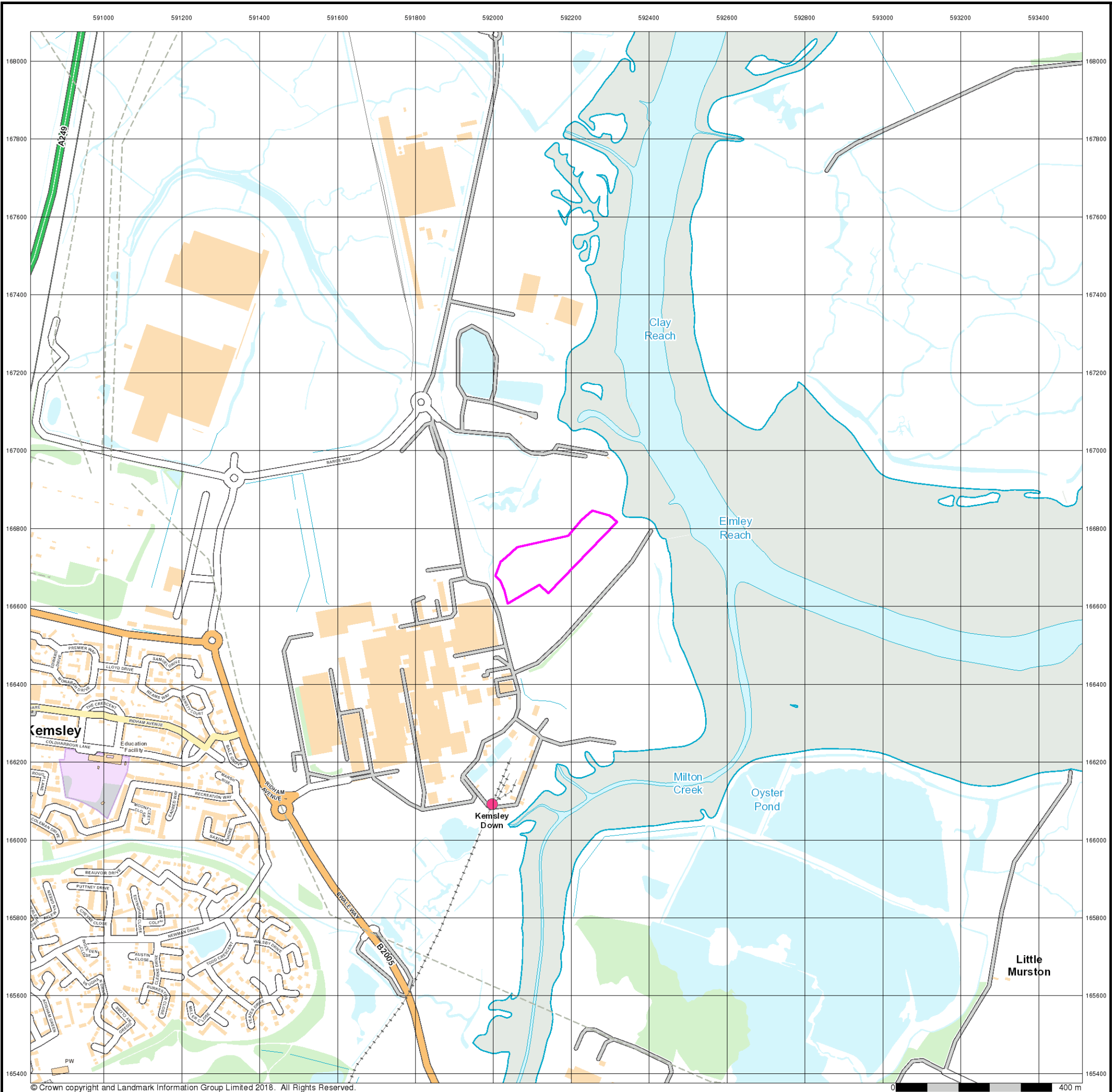
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Slice: A
Site Area (Ha): 2.97
Search Buffer (m): 1000

Site Details

Site at 592160, 166720



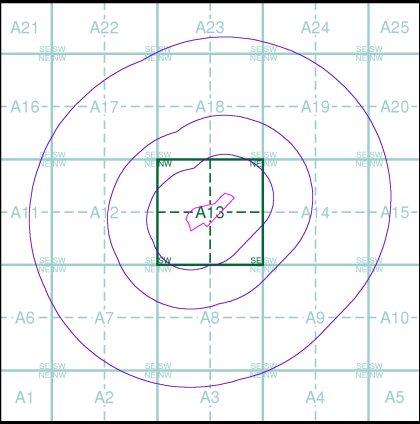
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk





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

Site Sensitivity Map - Slice A

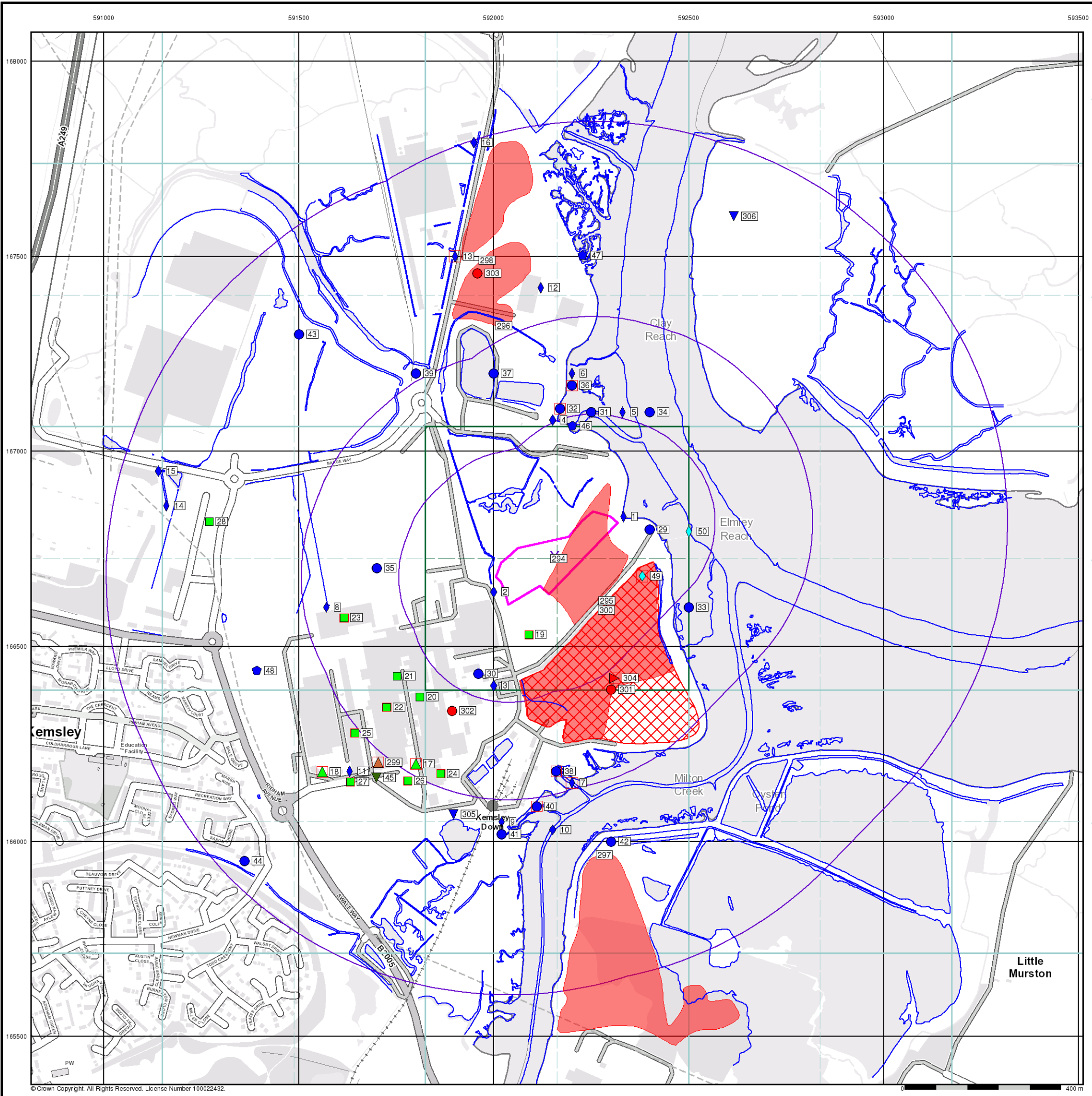


Order Details

Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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Industrial Land Use Map

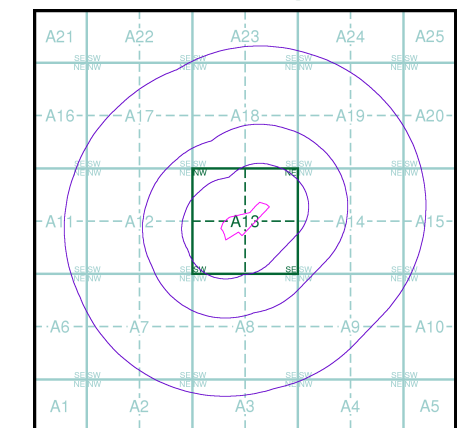
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

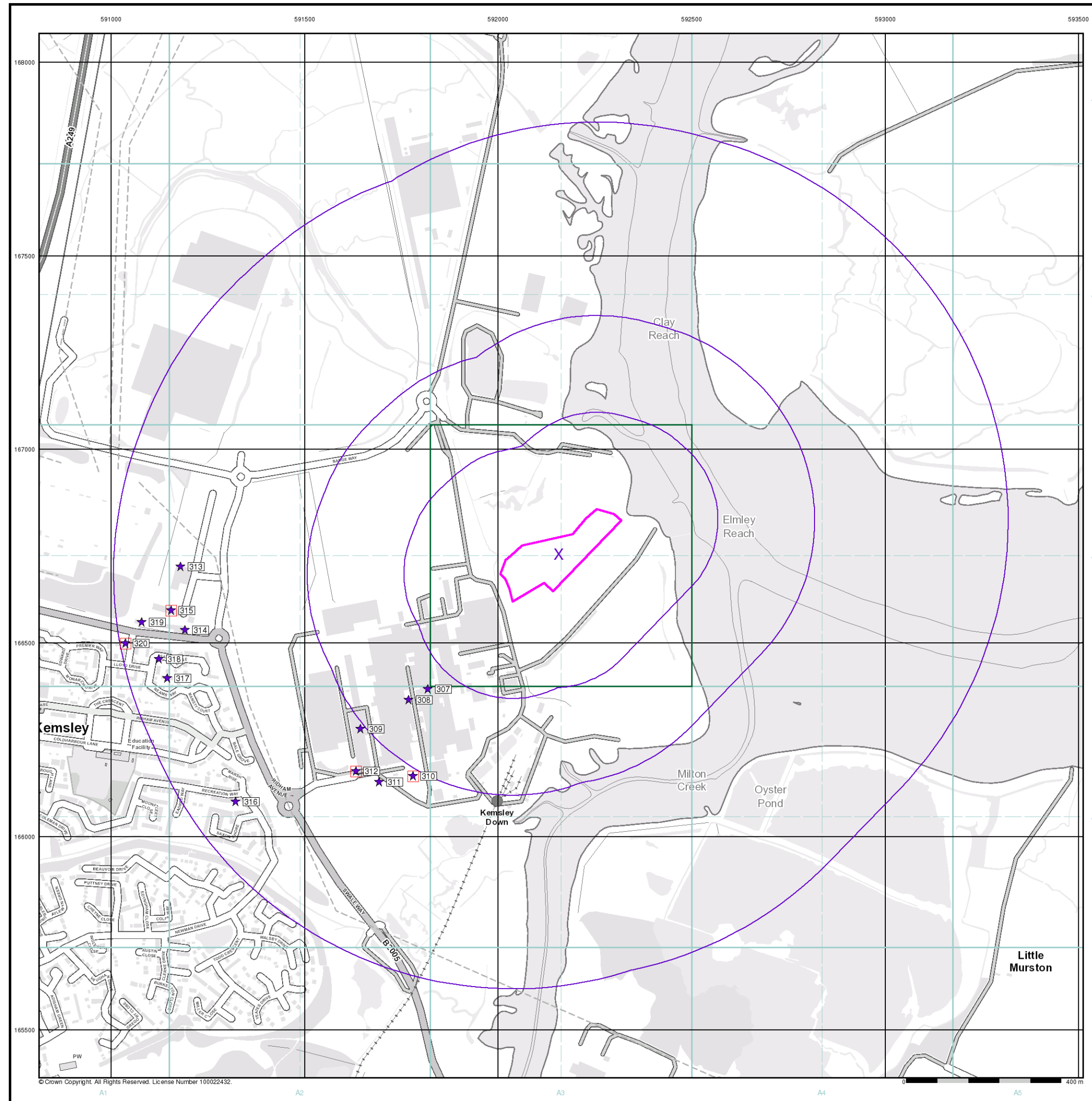
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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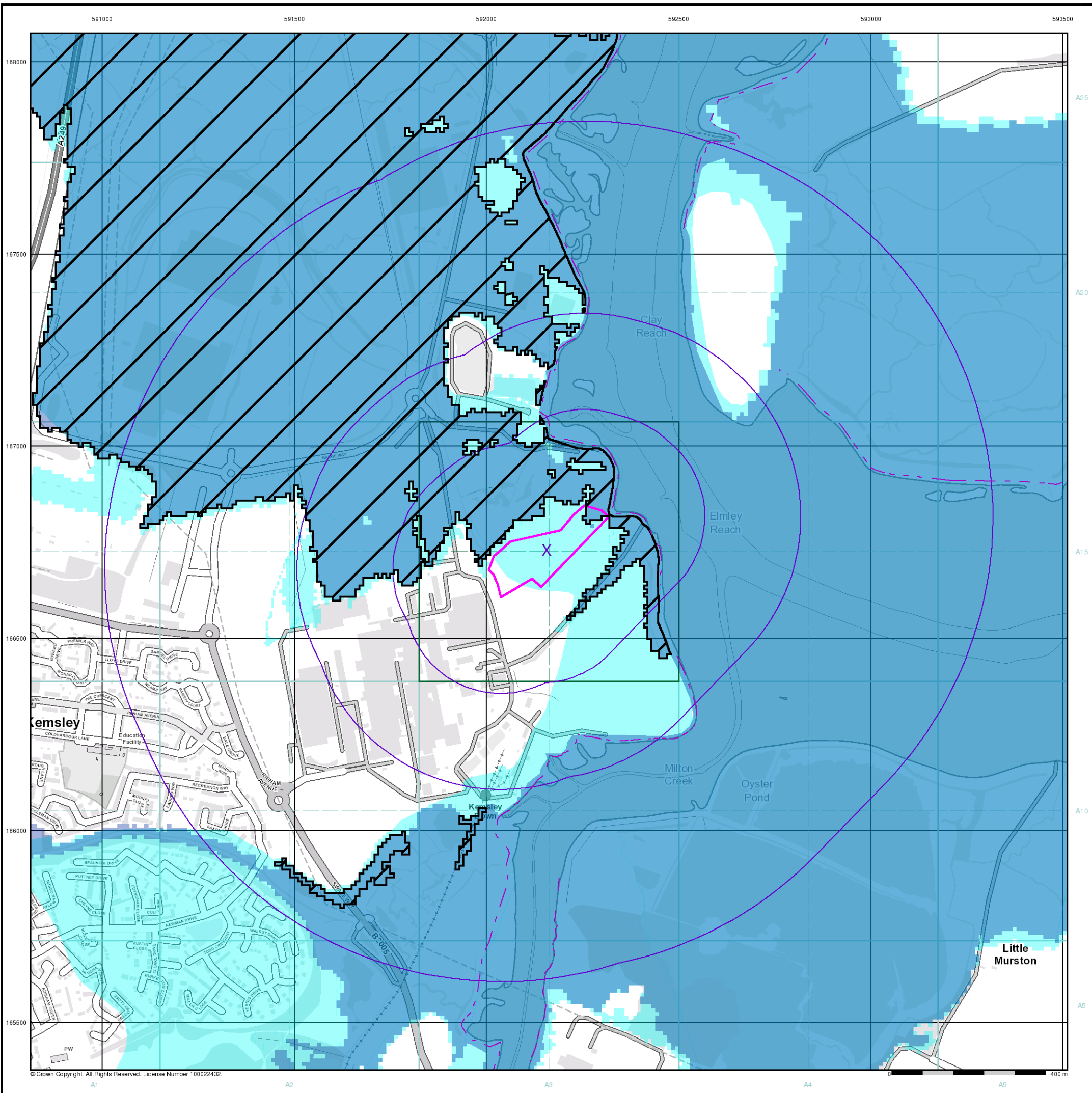


General

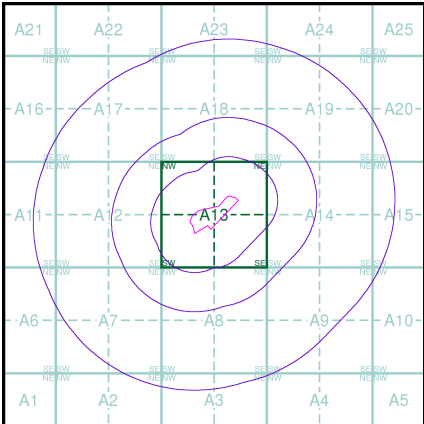
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

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



Flood Map - Slice A



Order Details

Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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



General

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

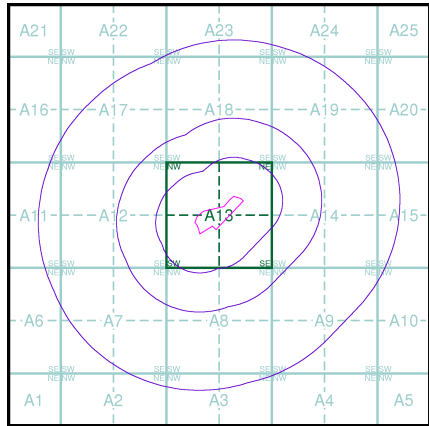
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

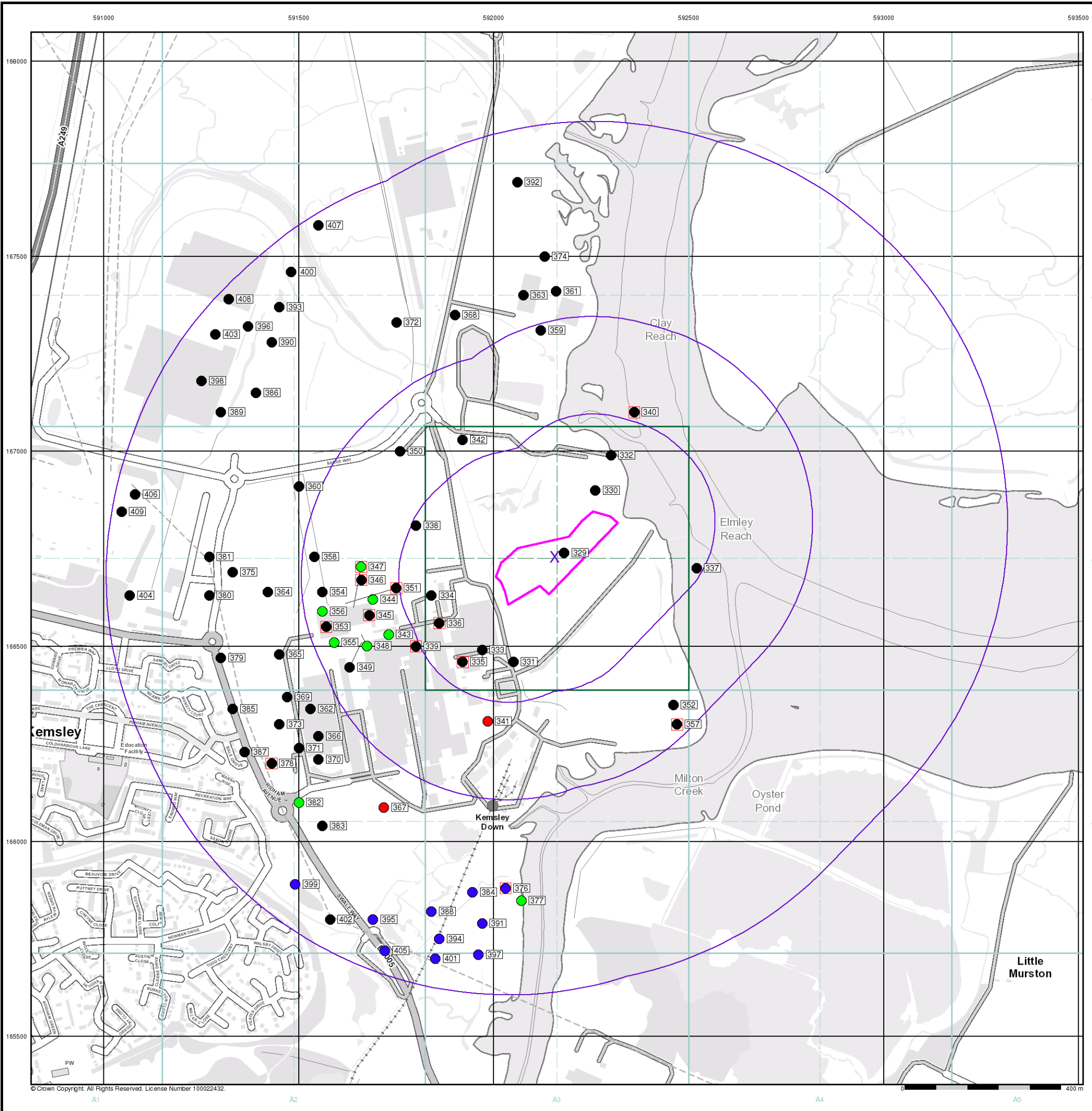
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

Site at 592160, 166720



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



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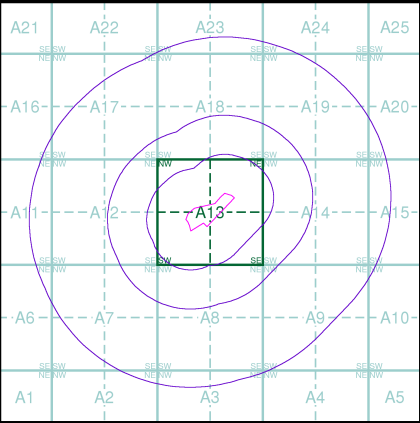
General

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

OS Water Network Data

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

OS Water Network Map - Slice A



Order Details

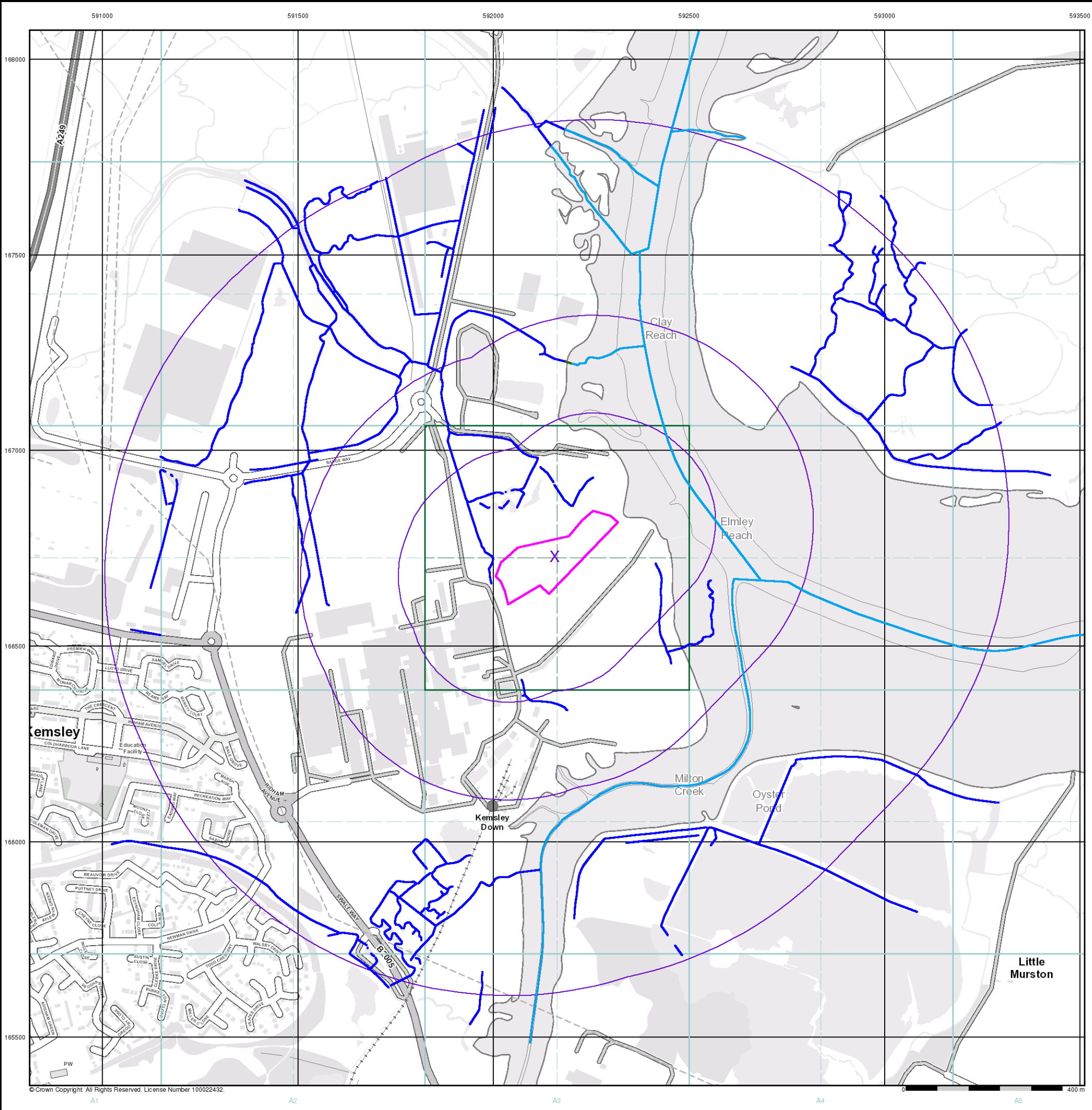
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 1000

Site Details

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Historical Mapping Legends

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

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

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

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

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

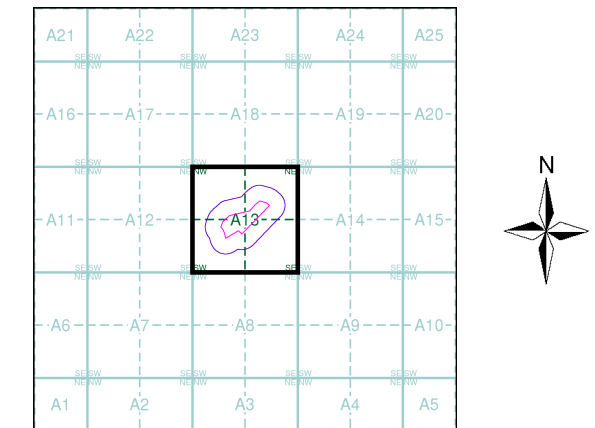
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds**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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kent	1:2,500	1885	2
Kent	1:2,500	1896	3
Kent	1:2,500	1908	4
Kent	1:2,500	1939	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Additional SIMs	1:2,500	1964 - 1978	7
Ordnance Survey Plan	1:2,500	1977 - 1979	8
Additional SIMs	1:2,500	1978 - 1990	9
Additional SIMs	1:2,500	1981	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1994	12

Historical Map - Segment A13



Order Details

Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 100

Site Details

Site at 592160, 166720



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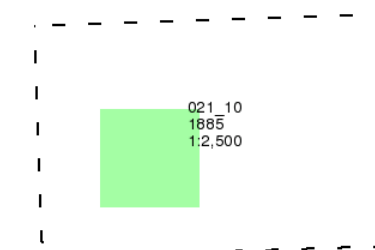
Kent

Published 1885

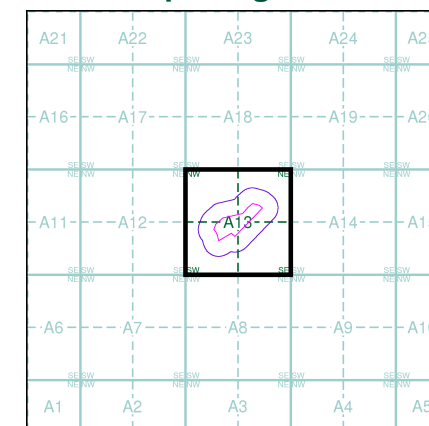
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

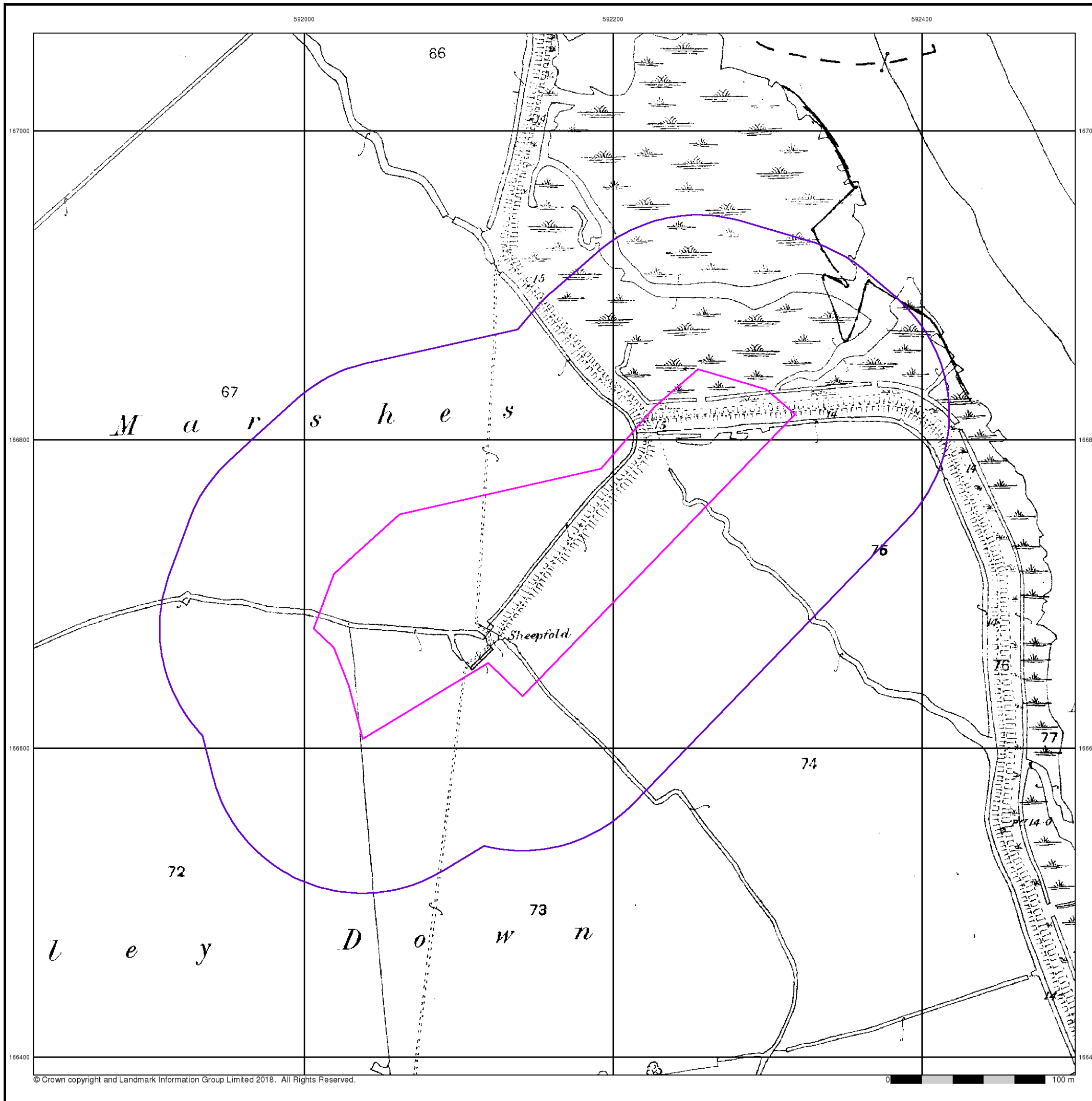
Order Number: 173688989_1_1
Customer Ref: JER1519
National Grid Reference: 592160, 166730
Slice: A
Site Area (Ha): 2.97
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Site Details

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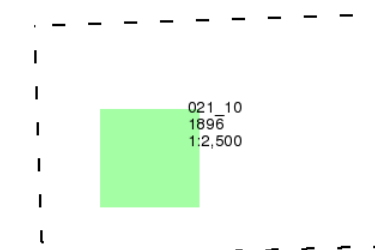
Kent

Published 1896

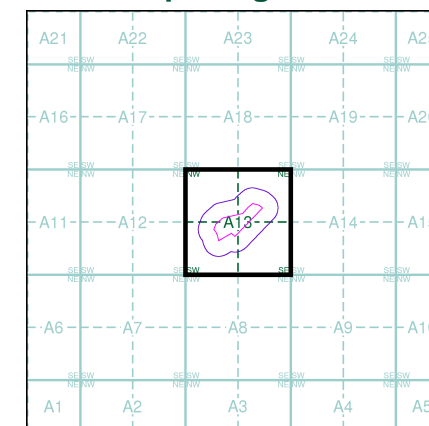
Source map scale - 1:2,500

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 A13



Order Details

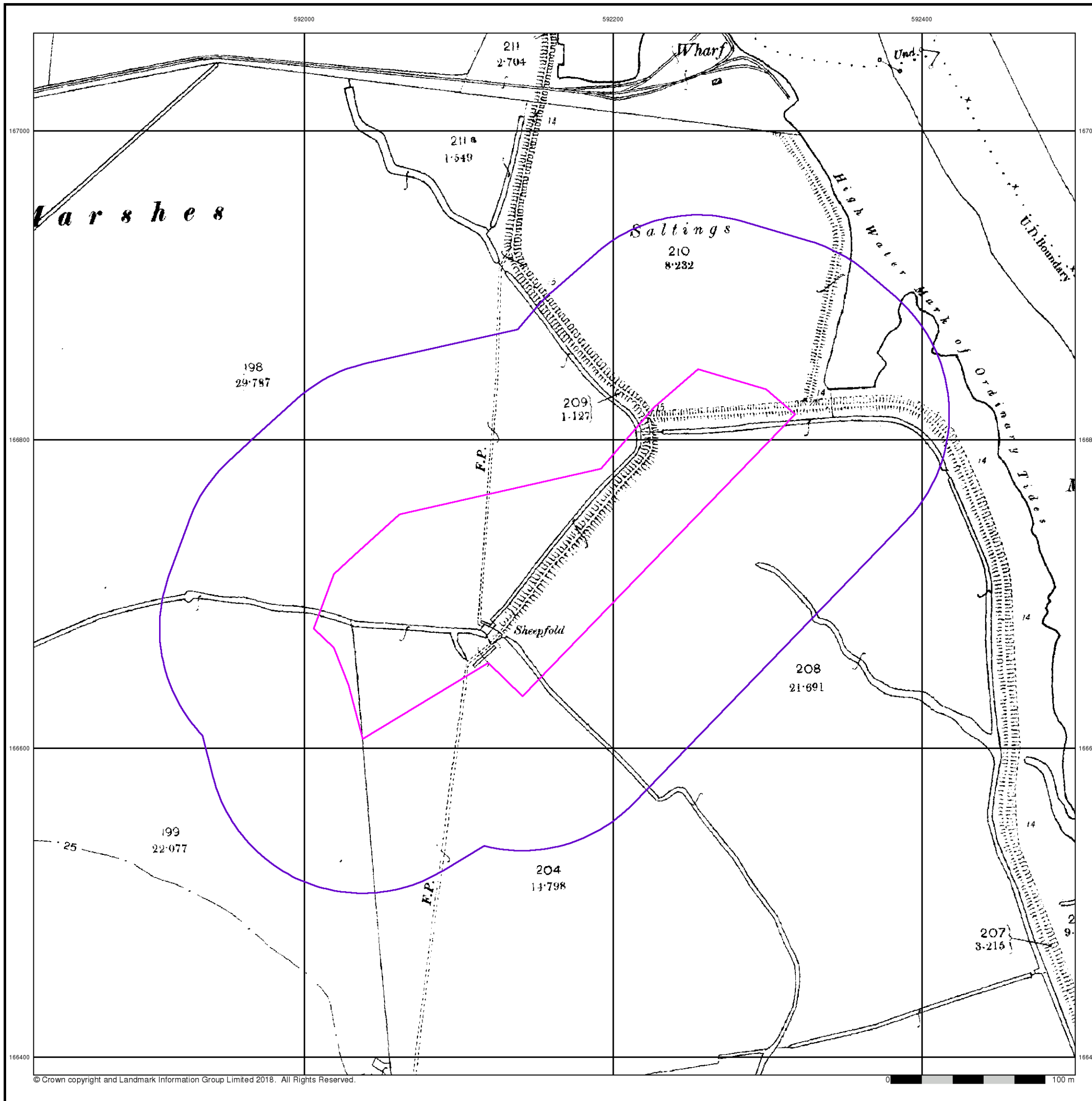
Order Number: 173688989_1_1
Customer Ref: JER1519
National Grid Reference: 592160, 166730
Slice: A
Site Area (Ha): 2.97
Search Buffer (m): 100

Site Details

Site at 592160, 166720



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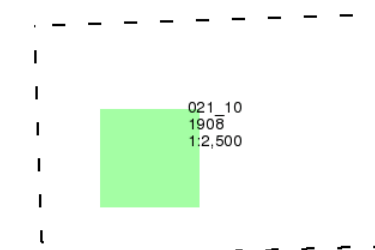
Kent

Published 1908

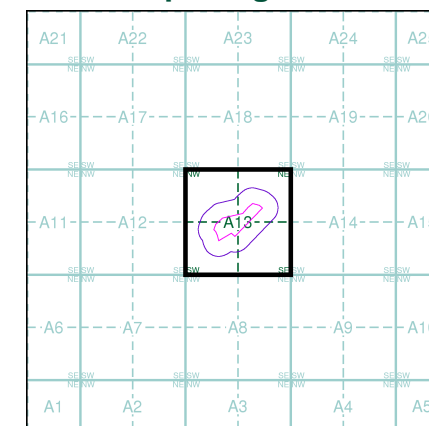
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

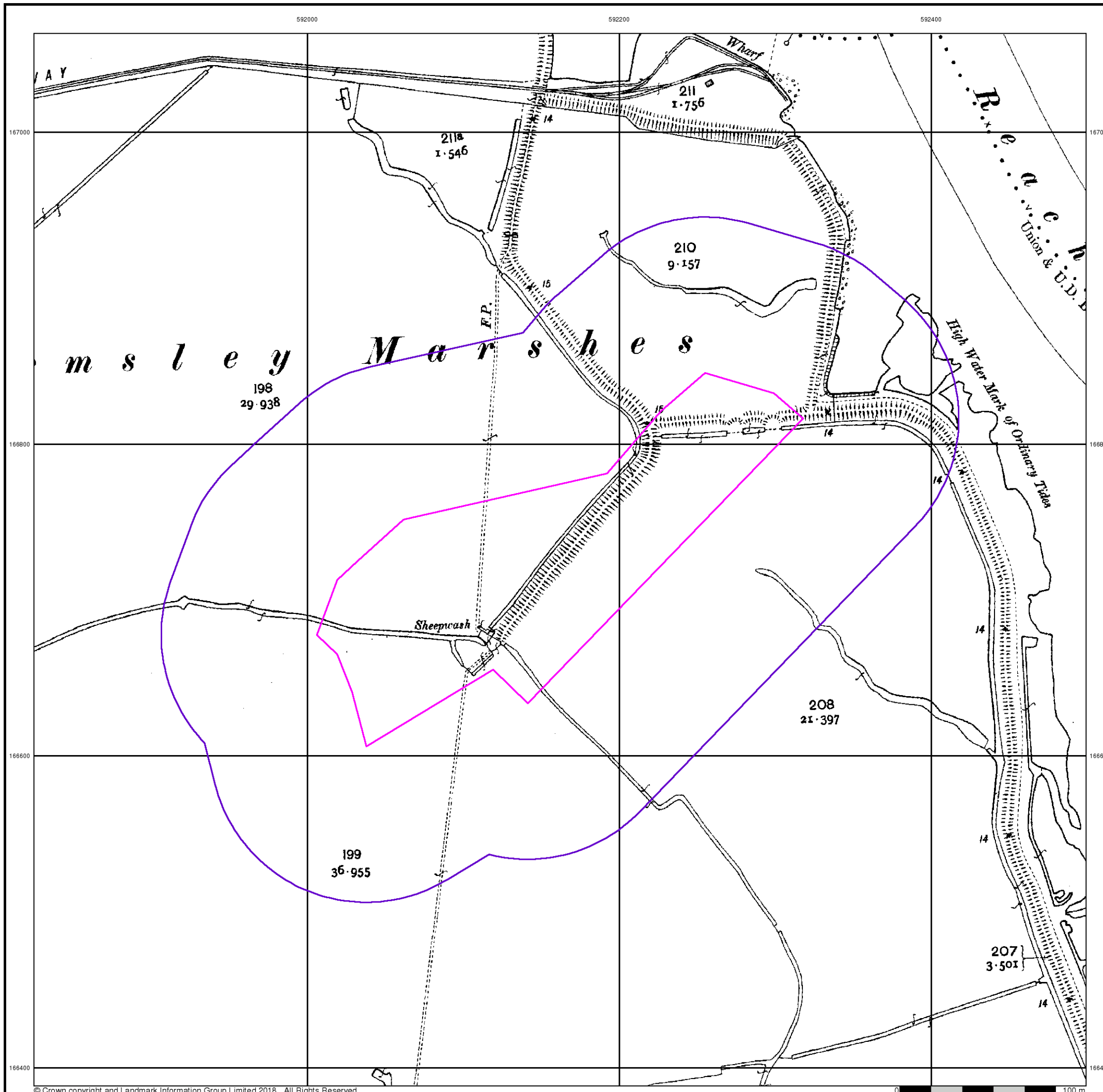
Order Number: 173688989_1_1
Customer Ref: JER1519
National Grid Reference: 592160, 166730
Slice: A
Site Area (Ha): 2.97
Search Buffer (m): 100

Site Details

Site at 592160, 166720



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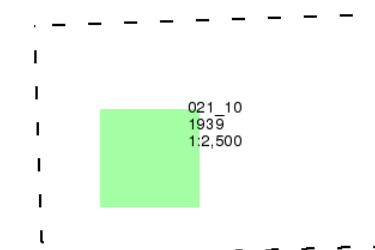
Kent

Published 1939

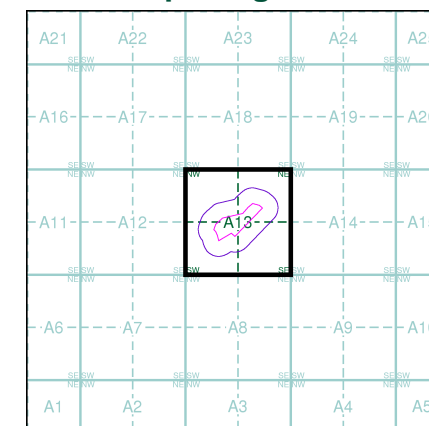
Source map scale - 1:2,500

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 A13



Order Details

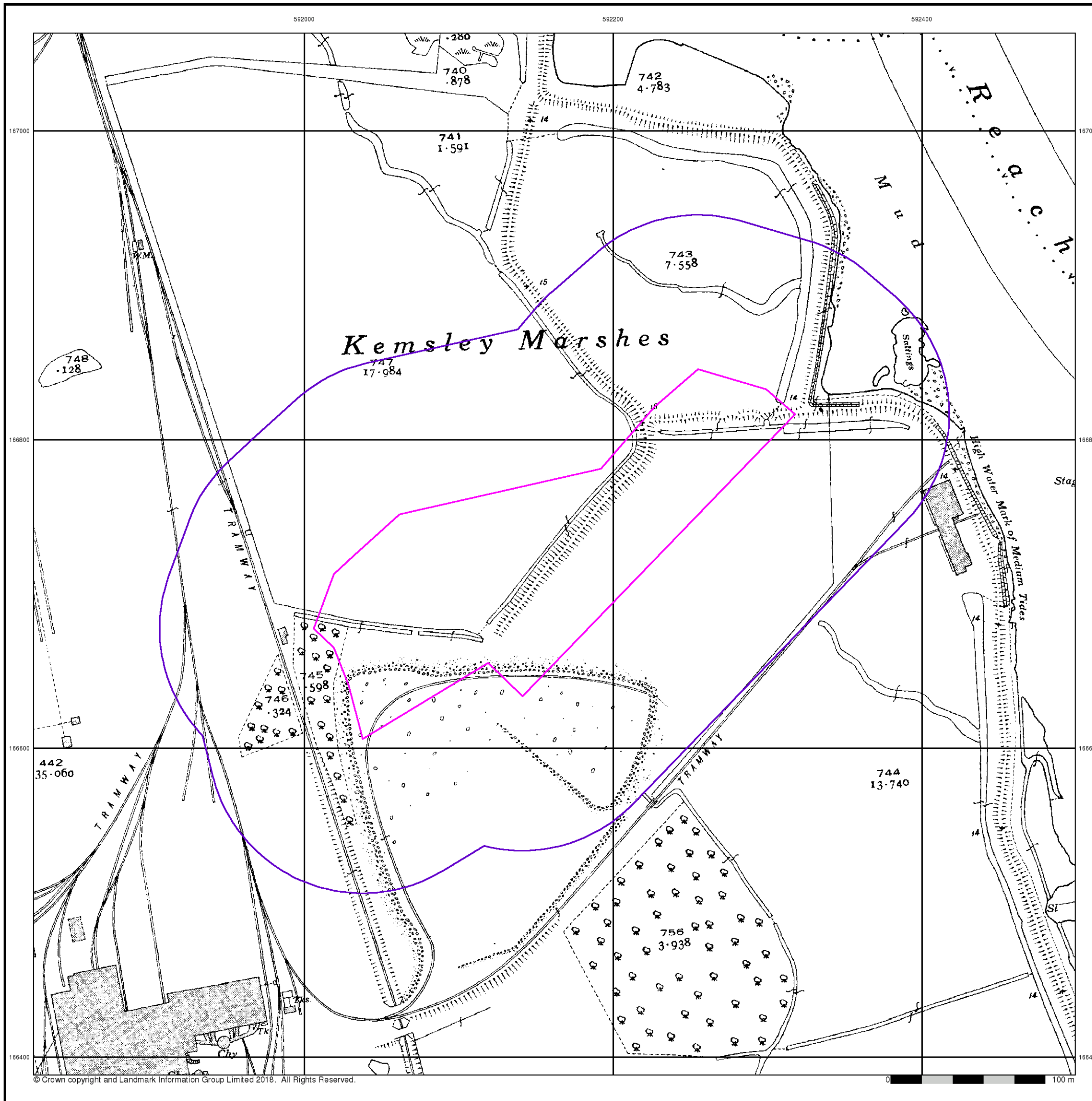
Order Number: 173688989_1_1
Customer Ref: JER1519
National Grid Reference: 592160, 166730
Slice: A
Site Area (Ha): 2.97
Search Buffer (m): 100

Site Details

Site at 592160, 166720



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Ordnance Survey Plan

Published 1963 - 1964

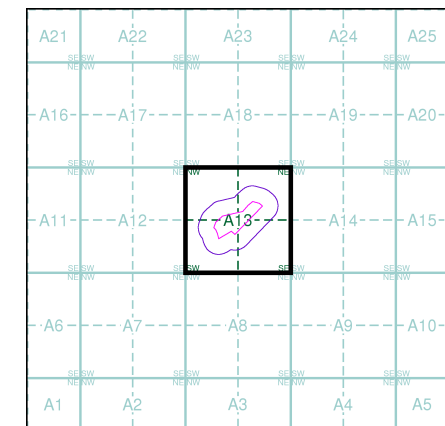
Source map scale - 1:2,500

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)

TQ9167 1963 1:2,500	TQ9267 1964 1:2,500
TQ9166 1964 1:2,500	TQ9266 1964 1:2,500

Historical Map - Segment A13



Order Details

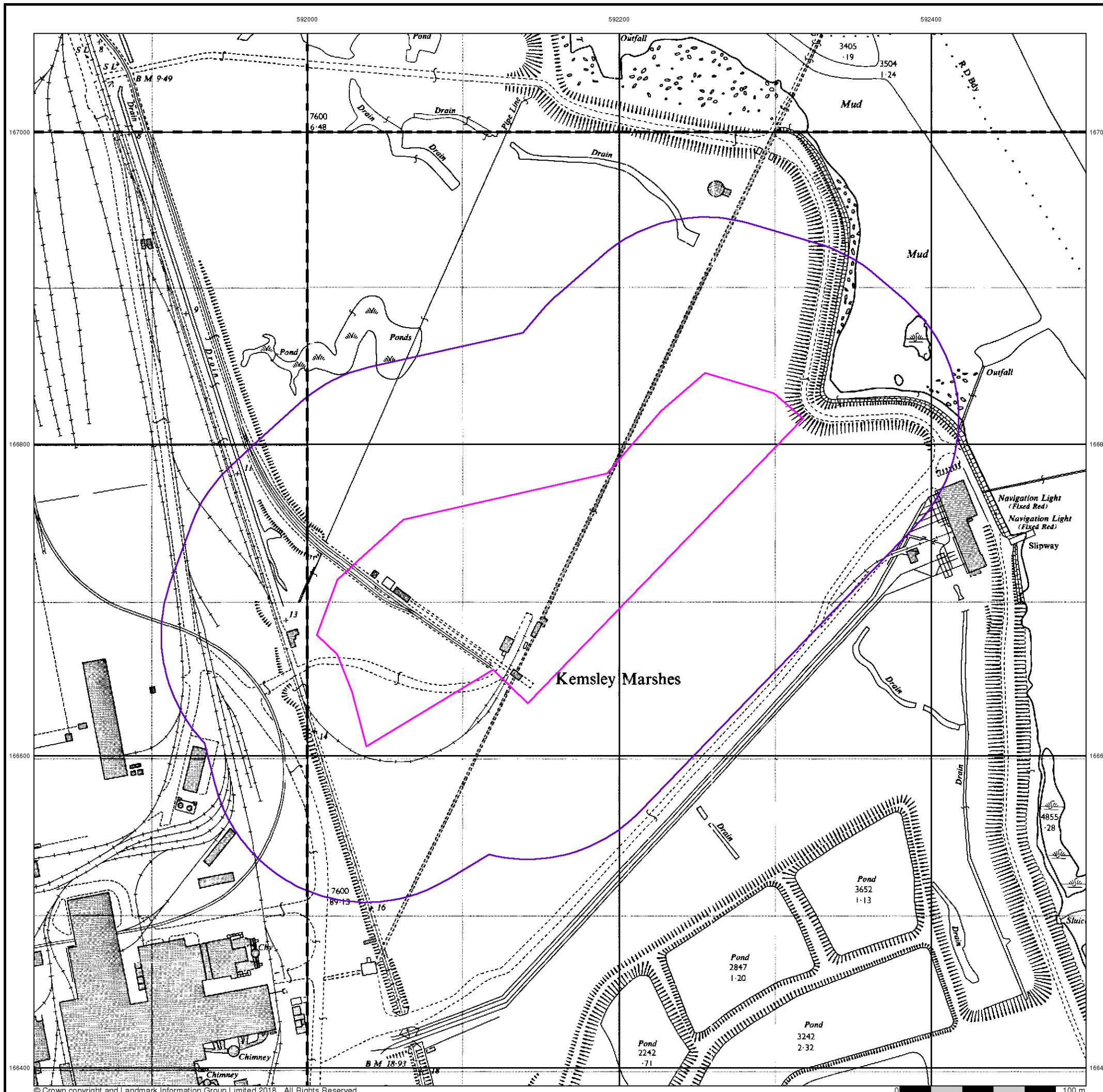
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 100

Site Details

Site at 592160, 166720



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Additional SIMs

Published 1964 - 1978

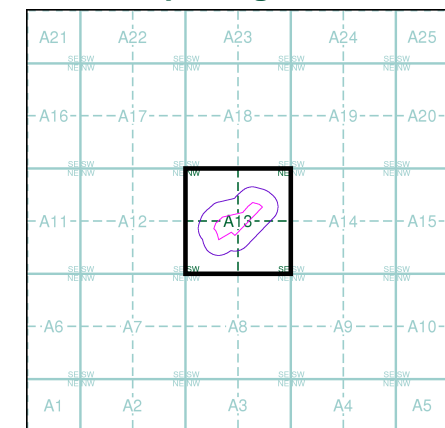
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TQ9167 1978 1:2,500	TQ9267 1964 1:2,500
TQ9166 1978 1:2,500	TQ9266 1964 1:2,500

Historical Map - Segment A13



Order Details

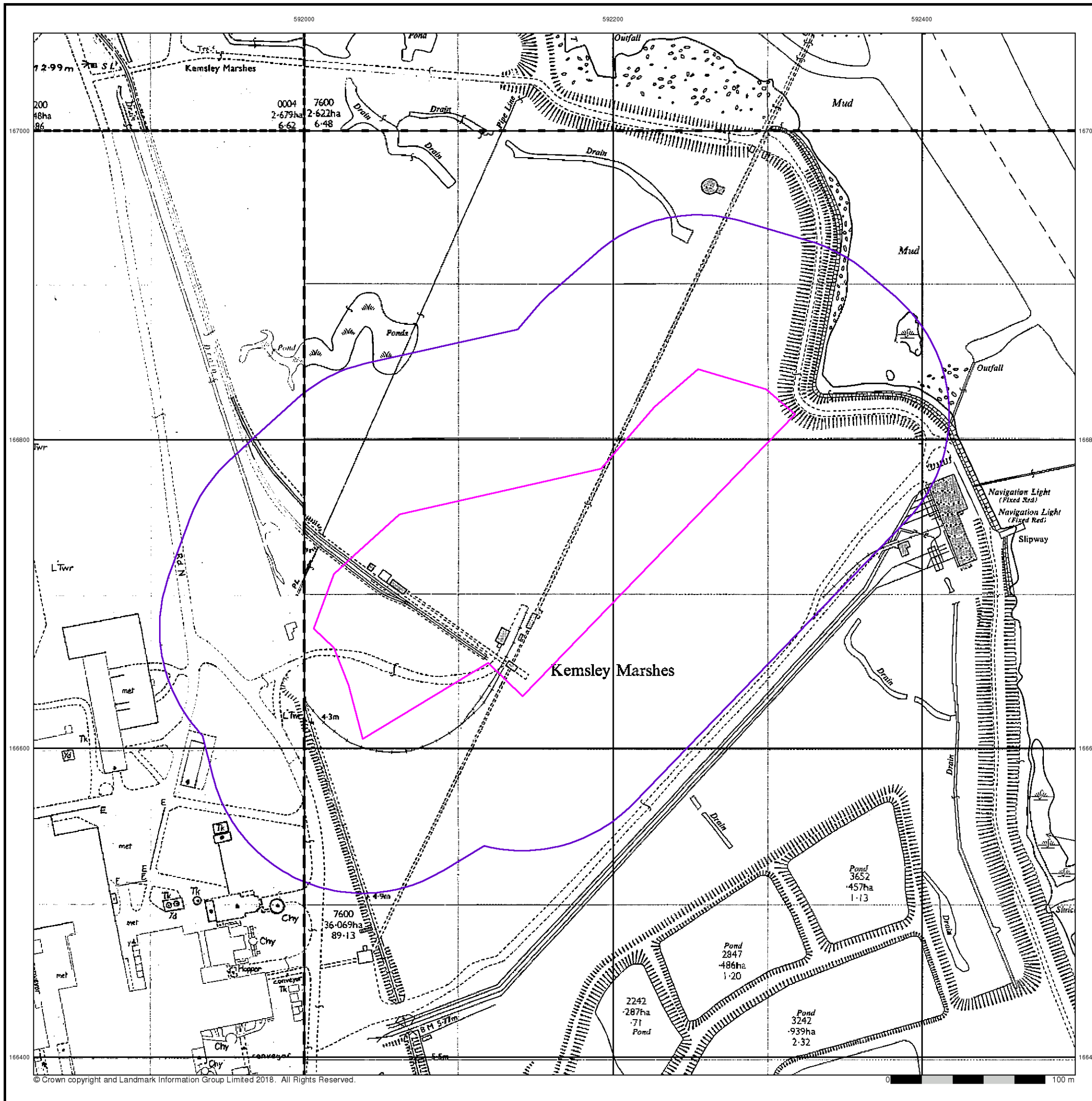
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1977 - 1979

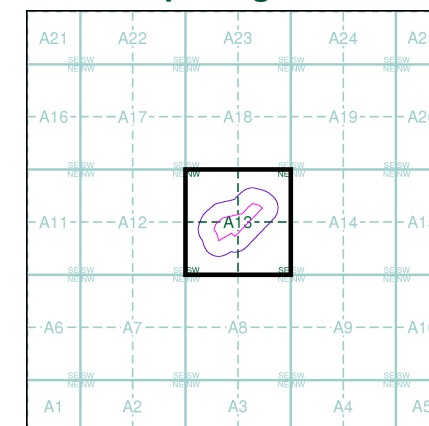
Source map scale - 1:2,500

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)

TQ9167	1977	1:2,500
TQ9166	1979	1:2,500

Historical Map - Segment A13



Order Details

Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 100

Site Details

Site at 592160, 166720



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Additional SIMs

Published 1978 - 1990

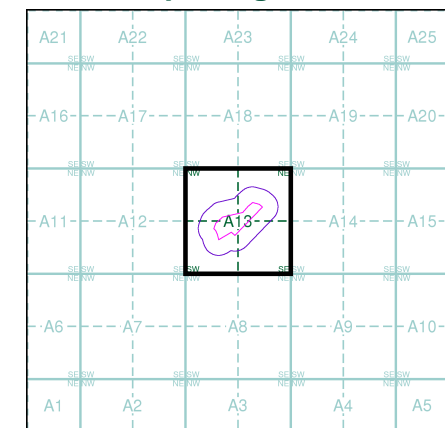
Source map scale - 1:2,500

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)

TQ9167 1990 1:2,500	TQ9267 1978 1:2,500
TQ9166 1989 1:2,500	TQ9266 1978 1:2,500

Historical Map - Segment A13



Order Details

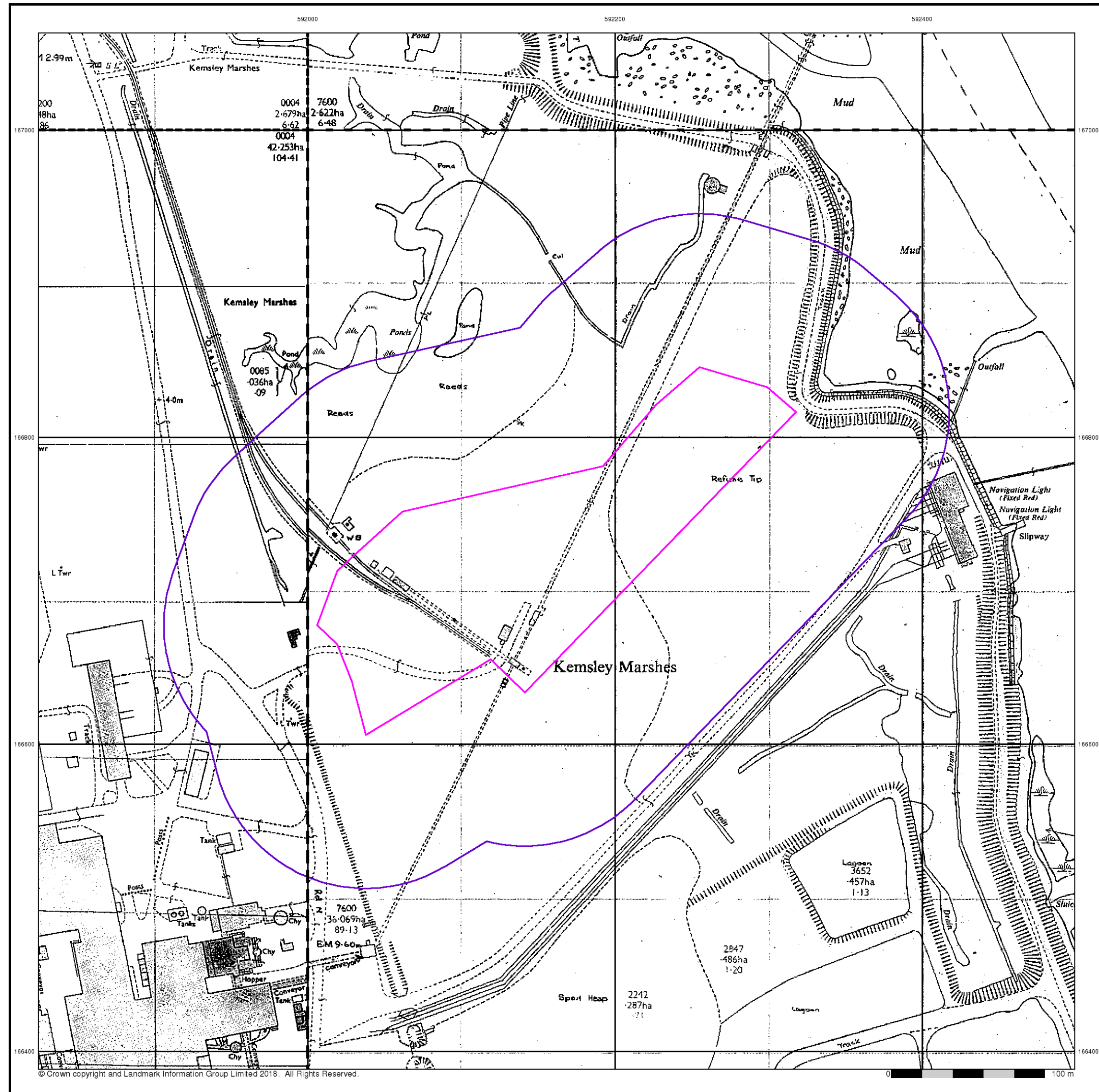
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 100

Site Details

Site at 592160, 166720



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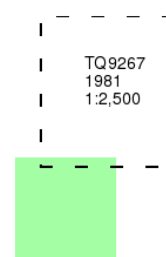
Additional SIMs

Published 1981

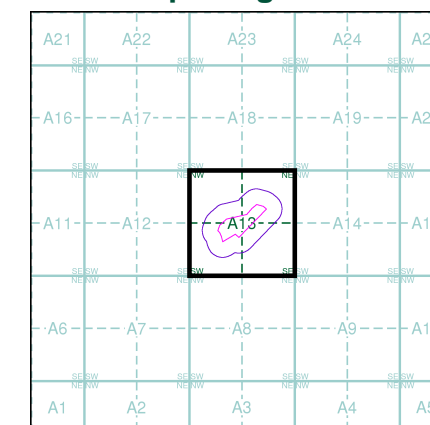
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 173688989_1_1
Customer Ref: JER1519
National Grid Reference: 592160, 166730
Slice: A
Site Area (Ha): 2.97
Search Buffer (m): 100

Site Details

Site at 592160, 166720



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Large-Scale National Grid Data

Published 1993

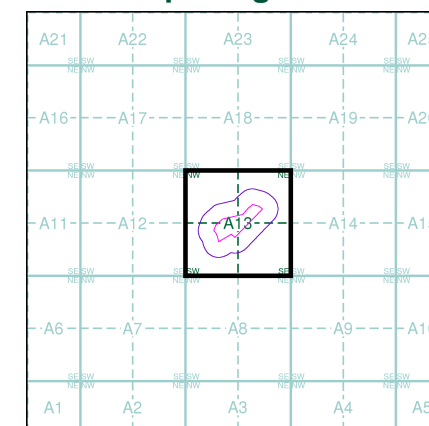
Source map scale - 1:2,500

'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)

TQ9167 1993 1:2,500	TQ9267 1993 1:2,500
TQ9166 1993 1:2,500	TQ9266 1993 1:2,500

Historical Map - Segment A13



Order Details

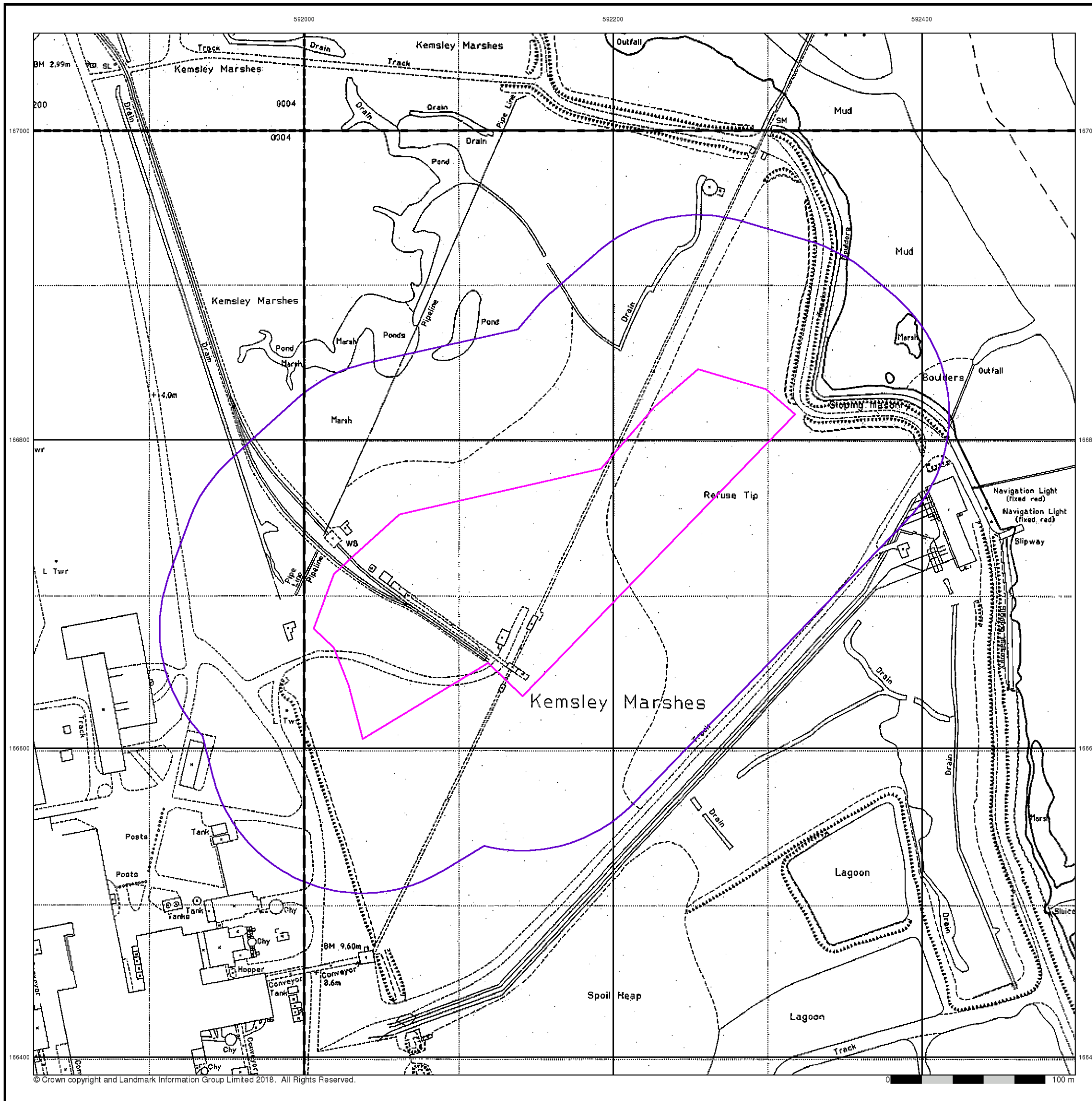
Order Number: 173688989_1_1
 Customer Ref: JER1519
 National Grid Reference: 592160, 166730
 Slice: A
 Site Area (Ha): 2.97
 Search Buffer (m): 100

Site Details

Site at 592160, 166720



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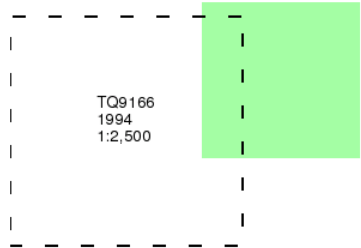
Large-Scale National Grid Data

Published 1994

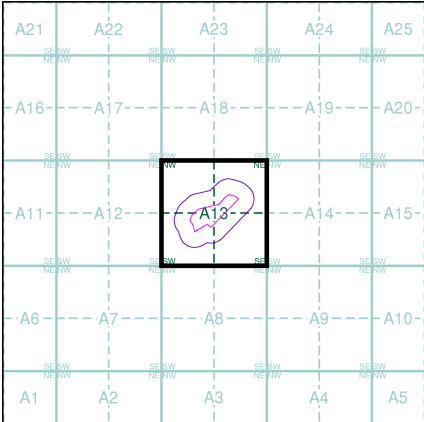
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 173688989_1_1
Customer Ref: JER1519
National Grid Reference: 592160, 166730
Slice: A
Site Area (Ha): 2.97
Search Buffer (m): 100

Site Details

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Index Map

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

Slice

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

Segment

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

Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Ms A Thomas, RPS Consultants, 260 Park Avenue, Aztec West, Almondsbury, Bristol, BS32 4SY

Order Details

Order Number: 173688989_1_1
Customer Ref: JER1519
National Grid Reference: 592150, 166720
Site Area (Ha): 2.97
Search Buffer (m): 1000

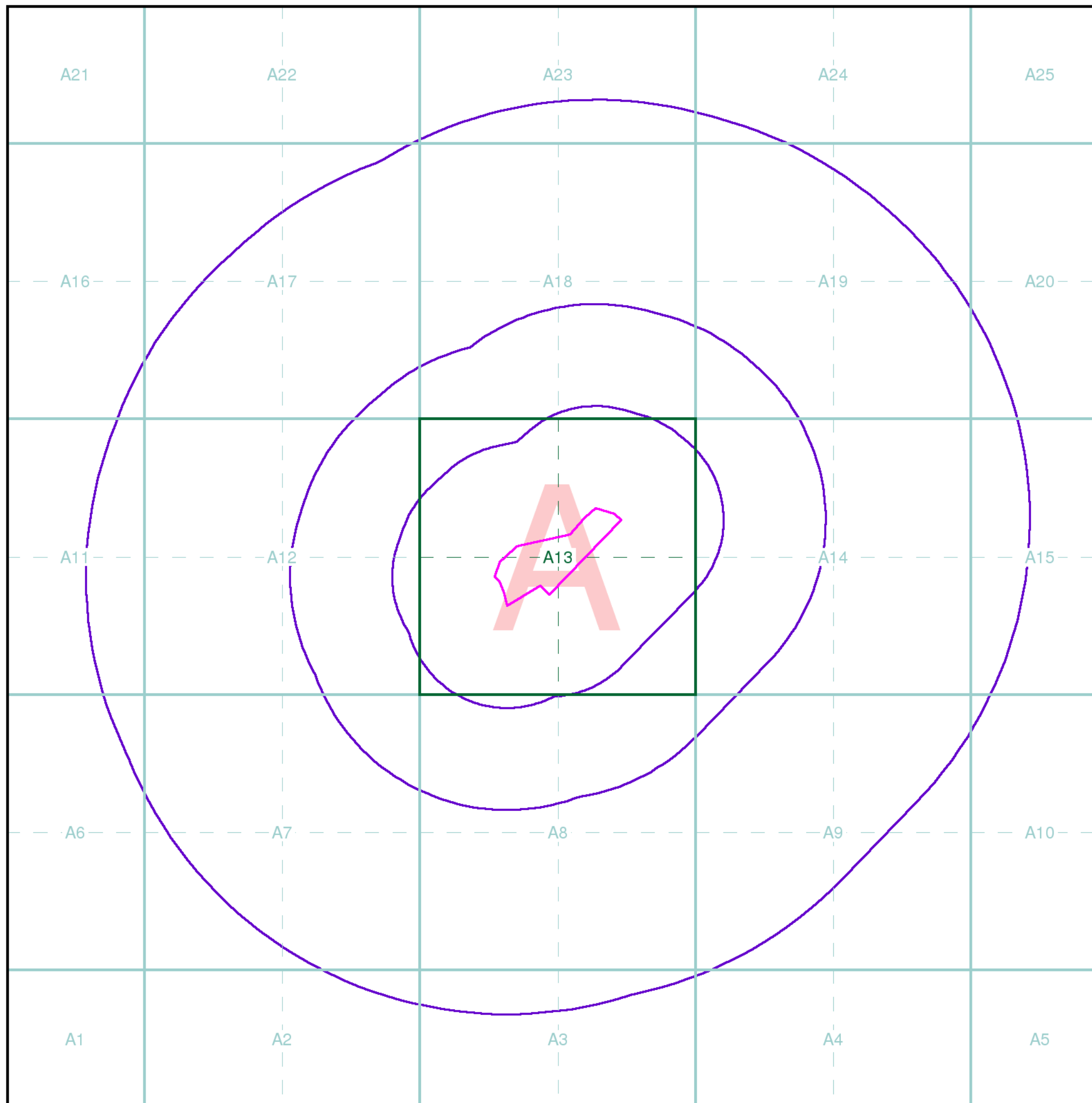
Site Details

Site at 592160, 166720

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Site Walkover Photographs



Photo 1 - General view of K3 construction laydown area



Photo 2 - General view of K3 construction laydown area. K3 is on the left hand side of the photo



Photo 3 - IBC on northern boundary



Photo 4 - General view of K3 construction laydown area



Photo 5 – General view of car park. K3 is in the background



Photo 6 - General view of car park and temporary office accommodation



Photo 7 – General view of car park

Baseline Soil Quality

Summary of Land Quality (Made Ground)

Analyte	Unit	Number of Samples Analysed (Made Ground)	Analyses Above LOD		Measured Concentration				
			Number	%age	Minimum	Maximum	Average	Standard Deviation	U95
<i><u>Inorganics Parameters</u></i>									
Boron (H ₂ O Soluble)	mg/kg	35	35	0%	0.9	13.5	3.5	3.1	4.6
Arsenic (MS)	mg/kg	35	35	0%	0.8	239.2	21.6	41.1	35.2
Cadmium (MS)	mg/kg	35	35	0%	0.15	1.1	0.4	0.2	0.5
Chromium (MS)	mg/kg	35	35	0%	3.4	81.6	28.1	13.0	32.4
Copper (MS)	mg/kg	35	35	0%	9.4	173.6	50.8	35.0	62.4
Mercury (MS)	mg/kg	35	24	31%	0.1	0.56	0.3	0.1	0.3
Nickel (MS)	mg/kg	35	35	0%	2.8	146.3	33.5	25.7	42.0
Selenium (MS)	mg/kg	35	24	31%	0.5	6.5	1.4	1.5	1.9
Zinc (MS)	mg/kg	35	35	0%	32.7	1313	164.4	215.7	235.9
Chromium VI	mg/kg	35	1	97%	0.16	0.16	0.2	-	-
<i><u>Polycyclic Aromatic Hydrocarbons</u></i>									
Naphthalene	mg/kg	38	16	58%	0.09	7.00	0.7	1.7	1.2
Acenaphthylene	mg/kg	38	13	66%	0.09	2.91	0.6	0.8	0.8
Acenaphthene	mg/kg	38	11	71%	0.08	5.46	1.2	1.7	1.7
Fluorene	mg/kg	38	9	76%	0.08	8.22	2.0	2.9	3.0
Phenanthrene	mg/kg	38	30	21%	0.08	57.3	5.1	13.5	9.4
Anthracene	mg/kg	38	17	55%	0.11	14.6	2.6	4.5	4.0
Fluoranthene	mg/kg	38	28	26%	0.09	68.2	7.5	17.3	13.0
Pyrene	mg/kg	38	29	24%	0.08	53.1	5.6	12.7	9.6
Benzo[a]anthracene	mg/kg	38	23	39%	0.12	29.4	3.8	7.4	6.1
Chrysene	mg/kg	38	23	39%	0.1	25.7	3.2	6.3	5.2
Benzo[b]fluoranthene	mg/kg	38	26	32%	0.08	29.7	3.5	7.0	5.8
Benzo[k]fluoranthene	mg/kg	38	20	47%	0.08	11.6	1.8	3.0	2.8
Benzo[a]pyrene	mg/kg	38	23	39%	0.12	25.3	3.2	6.2	5.2
Indeno[1,2,3-cd]pyrene	mg/kg	38	21	45%	0.11	17.1	2.4	4.2	3.7
Dibenzo[a,h]anthracene	mg/kg	38	10	74%	0.15	3.74	1.0	1.2	1.4
Benzo[g,h,i]perylene	mg/kg	38	21	45%	0.12	15.1	2.2	3.8	3.4

Summary of Land Quality (Made Ground) (Continued)

Analyte	Unit	Number of Samples Analysed (Made Ground)	Analyses Above LOD		Measured Concentration				
			Number	%age	Minimum	Maximum	Average	Standard Deviation	U95
<i>Petroleum Hydrocarbons and BTEX Compounds</i>									
Aliphatics >C8 - C10	mg/kg	4	1	75%	0.2	0.2	0.2	-	-
Aliphatics >C10 - C12	mg/kg	4	1	75%	0.2	0.2	0.2	-	-
Aromatics >C10 - C12	mg/kg	13	2	85%	0.011	0.017	0.0	0.0	0.0
Aliphatics >C12 - C16	mg/kg	8	1	88%	15.1	15.1	15.1	-	-
Aromatics >C12 - C16	mg/kg	8	1	88%	203	203	203.0	-	-
Aliphatics >C16 - C21	mg/kg	8	1	88%	60.5	60.5	60.5	-	-
Aromatics >C16 - C21	mg/kg	8	2	75%	7.36	929	468.2	651.7	919.8
Aliphatics >C21 - C35	mg/kg	8	2	75%	5.11	806	405.6	566.3	798.0
Aromatics >C21 - C35	mg/kg	8	4	50%	5.21	1390	358.7	687.6	835.2
Benzene	ug/kg	8	6	25%	11.7	1250	283.4	478.1	614.7
Ethylbenzene	ug/kg	4	1	75%	4	4	4.0	-	-
m and p-Xylene	ug/kg	4	2	50%	3	5	4.0	1.4	5.4
o-Xylene	ug/kg	4	1	75%	2	2	2.0	-	-
<i>Volatile Organic Compounds (VOCs)</i>									
1,1,2,2-Tetrachloroethane	ug/kg	4	1	75%	70	70	70.0	-	-
1,2,4-Trichlorobenzene	ug/kg	4	1	75%	5	5	5.0	-	-
1,2,3-Trichlorobenzene	ug/kg	4	1	75%	5	5	5.0	-	-
Chlorobenzene	ug/kg	8	5	38%	11.5	1740	404.6	747.7	922.7
Tetrachloroethene	ug/kg	8	4	50%	6.38	1800	459.2	893.9	1078.6

Summary of Land Quality (Alluvium)

Analyte	Number of Samples Analysed (Alluvium)	No. Analyses Above LOD	Measured Concentration				
			Minimum	Maximum	Average	Standard Deviation	U95
Boron (H2O Soluble)	4	4	1.6	2.6	2.2	0.4	2.6
Arsenic (MS)	4	4	6.2	8	6.8	0.8	7.6
Cadmium (MS)	4	4	0.18	0.45	0.3	0.1	0.4
Chromium (MS)	4	4	25.9	36.5	33.4	5.0	38.3
Copper (MS)	4	4	10.2	36.7	28.8	12.5	41.0
Mercury (MS)	4	0					
Nickel (MS)	4	4	16.4	35.2	24.3	7.9	32.0
Selenium (MS)	4	4	0.6	2.4	1.7	0.8	2.4
Zinc (MS)	4	4	56	107.5	78.4	22.1	100.0
Chromium vi:	4	0					
Naphthalene	4	0					
Acenaphthylene	4	0					
Acenaphthene	4	0					
Fluorene	4	0					
Phenanthrene	4	0					
Anthracene	4	0					
Fluoranthene	4	0					
Pyrene	4	0					
Benzo[a]anthracene	4	0					
Chrysene	4	0					
Benzo[b]fluoranthene	4	0					
Benzo[k]fluoranthene	4	0					
Benzo[a]pyrene	4	0					
Indeno[1,2,3-cd]pyrene	4	0					
Dibenzo[a,h]anthracene	4	0					
Benzo[g,h,i]perylene	4	0					

Baseline Groundwater Quality

Summary of Inorganic Parameters in Groundwater

Analyte	Unit	LOD	Aquifer Unit*	No. of Analyses	Analyses above LOD		Concentration Range	Mean Concentration	Standard Deviation
					No.	%age			
<i>Dissolved Metals</i>									
Arsenic	mg/l	<0.001	Shallow	12	12	100%	0.002 - 0.132	0.022	0.034
			Deep	4	3	75%	0.001 - 0.004	0.002	0.001
Boron	mg/l		Shallow	12	12	100%	0.82 - 8.58	1.8	2.1
			Deep	4	4	100%	0.08 - 0.12	0.095	0.015
Cadmium	mg/l	<0.0001	Shallow	12	3	25%	0.0001 - 0.0007	0.0004	0.0002
			Deep	4	0	0%	-	-	-
Chromium	mg/l	<0.001	Shallow	12	12	100%	0.003 - 0.019	0.011	0.005
			Deep	4	4	100%	0.003 - 0.005	0.0035	0.0009
Chromium VI as Cr	mg/l	<0.001	Shallow	12	3	25%	0.01 - 0.26	0.16	0.11
			Deep	4	0	0%	-	-	-
Copper	mg/l	<0.001	Shallow	12	11	92%	0.002 - 0.019	0.006	0.005
			Deep	4	3	75%	0.001 - 0.002	0.0013	0.0005
Mercury	mg/l	<0.0001	Shallow	12	1	8%	0.0001	Single Analysis > LOD	Single Analysis > LOD
			Deep	4	0	0%	-	-	-
Nickel	mg/l	<0.001	Shallow	12	12	100%	0.004 - 0.039	0.014	0.010
			Deep	4	4	100%	0.002 - 0.017	0.0073	0.0058
Selenium	mg/l	<0.001	Shallow	12	12	100%	0.001 - 0.031	0.007	0.008
			Deep	4	4	100%	0.002 - 0.01	0.0048	0.0031
Zinc	mg/l	<0.001	Shallow	12	11	92%	0.002 - 0.035	0.009	0.009
			Deep	4	4	100%	0.011 - 0.127	0.066	0.045

*Aquifer Unit: "Shallow" principally refers to perched waters in the Made Ground which does not strictly constitute an aquifer unit. "Deep" refers to groundwater in the saturated granular Secondary A aquifer in the Woolich / Thanet Sands (confined beneath the London Clay Formation).

Summary of Inorganic Parameters in Groundwater (Continued)

Analyte	Unit	LOD	Aquifer Unit*	No. of Analyses	Analyses above LOD		Concentration Range	Mean Concentration	Standard Deviation
					No.	%age			
<u>Physical Paramertes</u>									
pH units	pH Units	-	Shallow	12	12	100%	6.8 - 7.5	7.1	0.17
			Deep	4	4	100%	7.1 - 7.8	7.5	0.25
<u>Major Ions</u>									
Chloride	mg/l	<1	Shallow	6	6	100%	126 - 1680	885	526
			Deep	2	2	100%	50 - 87	68.5	18.5
Sulphide as S	mg/l	<0.05	Shallow	12	11	92%	0.06 - 18.5	6.0	7.2
			Deep	4	4	0%	-	-	-
Total Sulphur as SO4	mg/l	<3	Shallow	12	12	100%	294 - 1020	554	217
			Deep	4	4	100%	75 - 879	295	338
<u>Nutrients</u>									
Ammoniacal Nitrogen as N	mg/l	<0.1	Shallow	3	3	100%	14.8 - 38.9	24.8	10.3
			Deep	2	2	100%	0.05 - 0.15	0.1	0.05
<u>Cyanide Compounds</u>									
Thiocyanate as SCN	mg/l	<0.1	Shallow	12	1	8%	0.27	Single Analysis > LOD	Single Analysis > LOD
			Deep	4	0	0%	-	-	-

Summary of Organic Parameters in Groundwater

Analyte	Unit	LOD	Aquifer Unit*	No. of Analyses	Analyses above LOD		Concentration Range	Mean Concentration	Standard Deviation
					No.	%age			
<i>Petroleum Hydrocarbons</i>									
Aliphatics >C8 - C40	mg/l	<0.01	Shallow	6	2	33%	0.101 - 0.221	0.161 Single Analysis > LOD	0.06 Single Analysis > LOD
			Deep	3	1	33%	0.056		
Aliphatics >C12 - C16	mg/l	<0.01	Shallow	6	1	17%	0.023	Single Analysis > LOD	Single Analysis > LOD
			Deep	3	0	0%	-		
Aliphatics >C16 - C21	mg/l	<0.01	Shallow	6	1	17%	0.05	Single Analysis > LOD	Single Analysis > LOD
			Deep	3	1	33%	0.012		
Aliphatics >C21 - C35	mg/l	<0.01	Shallow	6	2	33%	0.084 - 0.125	0.105 Single Analysis > LOD	0.021 Single Analysis > LOD
			Deep	3	1	33%	0.033		
Aromatics >C8 - C40	mg/l	<0.01	Shallow	6	4	67%	0.01 - 0.192	0.09 0.0125	0.07 0.0005
			Deep	3	2	67%	0.012 - 0.013		
Aromatics >C10 - C12	mg/l	<0.01	Shallow	6	1	17%	0.017	Single Analysis > LOD	Single Analysis > LOD
			Deep	3	0	0%	-		
Aromatics >C12 - C16	mg/l	<0.01	Shallow	6	1	17%	0.049	Single Analysis > LOD	Single Analysis > LOD
			Deep	3	0	0%	-		
Aromatics >C16 - C21	mg/l	<0.01	Shallow	6	2	33%	0.014 - 0.038	0.026 -	0.012 -
			Deep	3	0	0%	-		
Aromatics >C21 - C35	mg/l	<0.01	Shallow	6	3	50%	0.04 - 0.068	0.057 -	0.012 -
			Deep	3	0	0%	-		

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Summary of Organic Parameters in Groundwater (Continued)

Analyte	Unit	LOD	Aquifer Unit*	No. of Analyses	Analyses above LOD		Concentration Range	Mean Concentration	Standard Deviation
					No.	%age			
<i>Polycyclic Aromatic Hydrocabons (PAHs)</i>									
Acenaphthene	ug/l	<0.010	Shallow	12	7	58%	0.013 - 0.352	0.086	0.115
			Deep	4	0	0%	-	-	-
Acenaphthylene	ug/l	<0.010	Shallow	12	2	17%	0.01 - 0.043	0.027	0.017
			Deep	4	0				
Anthracene	ug/l	<0.010	Shallow	12	2	17%	0.019 - 0.038	0.029	0.010
			Deep	4	0	0%	-	-	-
Benzo[a]anthracene	ug/l	<0.010	Shallow	12	3	25%	0.028 - 0.04	0.034	0.005
			Deep	4	0	0%	-	-	-
Benzo[a]pyrene	ug/l	<0.010	Shallow	12	3	25%	0.019 - 0.048	0.031	0.012
			Deep	4	1	25%	0.013	Single Analysis > LOD	Single Analysis > LOD
Benzo[b]fluoranthene	ug/l	<0.010	Shallow	12	4	33%	0.01 - 0.056	0.034	0.016
			Deep	4	2	50%	0.016 - 0.021	0.019	0.0025
Benzo[g,h,i]perylene	ug/l	<0.010	Shallow	12	3	25%	0.019 - 0.037	0.025	0.008
			Deep	4	0	0%	-	-	-
Benzo[k]fluoranthene	ug/l	<0.010	Shallow	12	3	25%	0.014 - 0.023	0.017	0.004
			Deep	4	0	0%	-	-	-
Chrysene	ug/l	<0.010	Shallow	12	3	25%	0.018 - 0.03	0.024	0.005
			Deep	4	0	0%	-	-	-
Fluoranthene	ug/l	<0.010	Shallow	12	7	58%	0.012 - 0.059	0.034	0.016
			Deep	4	3	75%	0.013 - 0.023	0.017	0.0045
Fluorene	ug/l	<0.010	Shallow	12	2	17%	0.056 - 0.057	0.057	0.001
			Deep	4	0	0%	-	-	-
Indeno[1,2,3-cd]pyrene	ug/l	<0.010	Shallow	12	3	25%	0.014 - 0.036	0.023	0.009
			Deep	4	0	0%	-	-	-
Naphthalene	ug/l	<0.010	Shallow	12	9	75%	0.011 - 0.243	0.054	0.068
			Deep	4	2	50%	0.014 - 0.015	0.015	0.0005
Phenanthrene	ug/l	<0.010	Shallow	12	8	67%	0.011 - 0.031	0.021	0.006
			Deep	4	1	25%	0.011	Single Analysis > LOD	Single Analysis > LOD
Pyrene	ug/l	<0.010	Shallow	12	8	67%	0.011 - 0.072	0.038	0.021
			Deep	4	4	100%	0.016 - 0.055	0.029	0.015

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Summary of Organic Parameters in Groundwater (Continued)

Analyte	Unit	LOD	Aquifer Unit*	No. of Analyses	Analyses above LOD		Concentration Range	Mean Concentration	Standard Deviation
					No.	%age			
<i>Other Organic Compounds</i>									
Phenol	mg/l	<0.0005	Shallow	12	1	8%	0.0105	Single Analysis > LOD	Single Analysis > LOD
			Deep	4	0	0%	-	-	-
Cresols	mg/l	<0.0005	Shallow	12	1	8%	0.0019	Single Analysis > LOD	Single Analysis > LOD
			Deep	4	0	0%	-	-	-
Dimethylphenols	mg/l	<0.0005	Shallow	12	1	8%	0.1332	Single Analysis > LOD	Single Analysis > LOD
			Deep	4	0	0%	-	-	-
Trimethylphenols	mg/l	<0.0005	Shallow	12	1	8%	0.1887	Single Analysis > LOD	Single Analysis > LOD
			Deep	4	0	0%	-	-	-
Dibenzo[a,h]anthracene	ug/l	<0.010	Shallow	12	1	8%	0.011	Single Analysis > LOD	Single Analysis > LOD
			Deep	4	0	0%	-	-	-
Dibromochloromethane	ug/l	<1	Shallow	2	0	0%	-	-	-
			Deep	1	1	100%	4	Single Analysis > LOD	Single Analysis > LOD
Bromoform	ug/l	<1	Shallow	2	0	0%	-	-	-
			Deep	1	1	100%	12	Single Analysis > LOD	Single Analysis > LOD

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