



Site Condition Report

Environmental Permit Application – Little Cliffsend Farm

March 2023

Waterman Infrastructure & Environment Limited


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Client Name: Thanet Grab Hire Ltd
Document Reference: WIE19228-100-R-2-2-2-SCR
Project Number: WIE19228

Quality Assurance – Approval Status

This document has been prepared and checked in accordance with
Waterman Group's IMS (BS EN ISO 9001: 2015, BS EN ISO 14001: 2015 and BS EN ISO 45001:2018)

Issue	Date	Prepared by	Checked by	Approved by
Second	March 2023	Ryan Aust Consultant	Sarah Owen Senior Associate	Sarah Owen Senior Associate



Comments

Comments

Disclaimer

This report has been prepared by Waterman Infrastructure & Environment Limited, with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporation of our General Terms and Condition of Business and taking account of the resources devoted to us by agreement with the client.

We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

This report is confidential to the client and we accept no responsibility of whatsoever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report at its own risk.

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1. Introduction

1.1 The Brief

Waterman Infrastructure & Environment Limited (“Waterman”) is instructed by Thanet Grab Hire Limited (TGH) to prepare an Environmental Permit (EP) application to the Environment Agency (EA). The application is for a bespoke EP based on the SR2008No11_7kte – Inert and excavation waste transfer station with treatment rule set, to authorise waste management activities at Little Cliffsend Farm, Chalk Hill, Cliffsend, Ramsgate CT12 5HP.

A bespoke EP application requires a Site Condition Report (SCR) to be submitted as part of the application.

1.2 Report Scope

To support a new bespoke EP application an Application SCR is required. Sections 1 – 3 of the H5 template¹ have been completed using information taken from:

- a Groundsure Enviro+Geo Insight report (WTM1-9333217), henceforth referred to as the Groundsure report;
- a Groundsure Map Insight report (WTM1-9333216); and
- a site walkover.

This SCR will describe the condition of the land and groundwater at the site as they currently are.

Section 2 of this report and related appendices contain the SCR, which was prepared using the “H5 SCR guide for applicants” and associated template.

1.3 Limitations and Constraints

This report has been prepared in accordance with the scope agreed between Waterman and TGH, as documented in Waterman’s fee letter (WIE19228-100-220422-SO-Fee dated 22 April 2022) and with Waterman’s standard Terms of Appointment.

The benefit of this report is made to TGH.

Waterman has endeavoured to assess all information provided to them during this investigation, but makes no guarantees or warranties as to the accuracy or completeness of this information. The conclusions resulting from this study are not necessarily indicative of future conditions or operating practices at or adjacent to the site.

¹ [Environmental permitting: H5 Site condition report - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/environmental-permitting-h5-site-condition-report)

2. Application Site Condition Report

1.0 Site details	
Name of the applicant	Thanet Grab Hire Ltd
Activity address	Little Cliffsend Farm, Chalk Hill, Cliffsend, Ramsgate CT12 5HP
National grid reference	TR 3577 6448
Document reference and dates for Site Condition Report at permit application and surrender	WIE19228-100-R-2-1-3-SCR February 2023 (this document) comprises of an EP Application Site Condition Report.
Document references for site plans (including location and boundaries)	Plans are included in Appendix A. <ul style="list-style-type: none">• Environmental Permit Boundary (WIE19228-100_GIS_EPA_1A)• 500m Sensitive Receptors Plan (WIE19228-100_GIS_EPA_2A)

2.0 Condition of the land at permit issue

Environmental setting including:

- geology
- hydrogeology
- surface waters

Site description

The application site (“site”) comprises a 0.15 hectare (ha) yard within the Little Cliffsend Farm Commercial / Industrial area. The site is surfaced in heavily compacted road planings, forming a permeable hardstanding surface. The site is level but cut into the surrounding ground which slopes down from north to south, resulting in the site being significantly below surrounding ground level to the north (approximately 3m) and approaching surrounding ground level to the south. Conifers have been planted along the tops of the slopes to the northern and eastern boundaries.

Site reconnaissance

A site walk over was conducted on 23 November 2022. Photographs taken during the visit have been included in Appendix C.

Access to the site from the wider Little Cliffsend Farm is by a short stretch of unsurfaced road that extends several metres towards the impermeable surfacing that surrounds the neighbouring logistics warehouse to the west.

3No. diesel powered mobile plant vehicles were noted. A 360° excavator, small dumper and small shovel. No fuel or maintenance oils were stored at the site. Diesel is distributed by mobile bowser from the wider Little Cliffsend f Farm. No road going vehicles are parked overnight. The site has a water supply for use in welfare facilities and for dust management.

The site has an office with welfare facilities, a weighbridge, fixed bays of various sizes for storing waste and primary aggregate. Fencing and a gate secure the site from the wider Little Cliffsend Farm.

Heavy rainfall had occurred shortly before the site visit. Pooling of water was observed across the site despite the surface being permeable indicating that the planings are heavily compacted.

At the time of the site visit, the northern and western parts of the site were in use by others for storage – shipping

2.0 Condition of the land at permit issue

containers, vehicles and so on. TGH is taking on these areas to create the application site. These areas were not accessed during the walk over.

There was no observable evidence of existing pollution found during the walk over.

Licences, consents and permits

The Groundsure report identified no licences and consents as being registered to the site.

The report did identify 19 waste exemptions associated with agricultural activities within 125m. The types of exemption include:

- burning of waste in the open;
- cleaning, washing, spraying or coating relevant waste;
- deposit of waste from the dredging of inland waters;
- spreading waste on agricultural land to confer benefit;
- storage of waste in a secure container;
- storage of waste in a secure place;
- use of baled end-of-life tyres in construction;
- use of waste for a specified purpose; and
- use of waste in construction.

There are no registered landfills present within 500m of the site.

2.0 Condition of the land at permit issue

Site surroundings

The site is located within the northeast corner of the Little Cliffsend Farm. The farm has diversified and includes a stable, residential buildings occupied by the landowner and farm staff, other businesses and a reservoir. The businesses include an upholstery shop, a vehicle servicing garage and a logistics warehouse.

Little Cliffsend Farm is surrounded by agricultural land to the north, with horse paddocks to its eastern flank. The area is crossed by public rights of way and public roads. A private access road from the farm extends northwards to join with the Chalk Hill public highway.

In the east is a telecommunications station and to the southeast is a small residential area. Further east is the town of Ramsgate.

The southern edge of the farm is bound by the England Coast path, which is adjacent to an 18m sheer cliff. Beyond the cliff is Sandwich Bay - which carries national and international ecological designations (see below for further detail).

To the west of the farm lies agricultural land with Sandwich Road and the residential area of Cliffsend village beyond.

Further detail regarding site surroundings can be found in the Environmental Risk Assessment (ERA), which is included elsewhere in the application bundle.

Nature and conservation designations

The Groundsure report identified multiple sites of national and international ecological importance within 1km of the site. These sites are found to the south and include:

- Sites of Special Scientific Interest (SSSI);
 - 147m Sandwich Bay to Hacklinge Marshes;

2.0 Condition of the land at permit issue

- Conserved wetlands sites (Ramsar sites);
 - 146m Thanet Coast and Sandwich Bay;
- Special Areas of Conservation (SAC);
 - 147m Thanet Coast;
 - 361m Sandwich Bay;
- Special Protection Areas (SPA);
 - 147m Thanet Coast & Sandwich Bay;
- National Nature Reserves;
 - 158m Sandwich & Pegwell Bay

Geology

The stratum underlying the site consists of a gravel surface on compacted road planings. The Groundsure report indicates superficial deposits are absent and the bedrock comprises the Margate Chalk Member which is estimated to be at a depth circa 120m (Geological Survey of England and Wales 1:63,360/1:50,000 geological map series, New Series, sheet number 274).

Potential for localised head deposits of silt and clay may be present as indicated by borehole logs² from circa 250m southwest of the site.

The area around the site has not been affected by coal mining activity.

Controlled waters

Groundwaters

There is no superficial aquifer underlying the site. The bedrock Margate Chalk Member below the site is classified as

² Bore log references TR36SE24, TR36SE26 and TR36SE25 accessible from [GeolIndex - British Geological Survey \(bgs.ac.uk\)](https://www.bgs.ac.uk) (accessed February 2023).

2.0 Condition of the land at permit issue

a principal aquifer and is used for potable water abstraction.

There is one active groundwater potable abstractions recorded 717m northwest of the site operated by Southern Water Services Ltd. under the licence number 9/40/04/0049/GR.

The site is partially in both Source Protection Zone (SPZ) 1 and 2. The northwest corner of falls within SPZ 1. Based on the position of the SPZs and the groundwater abstraction it may be reasonable to infer that the groundwater flows in a north westerly direction.

There are no licenced groundwater discharges within 500m of the site.

Surface waters

The nearest body of water is Sandwich Bay (classified by the Groundsure report as “*STOUR (KENT)*” as it is the estuary of the River Stour), which lies approximately 170m south. This body of water received the following classification ratings from the EA³ in 2019:

- chemical rating fail;
- ecological rating moderate; and
- overall rating moderate.

The Groundsure report indicates that the site does not fall within any river and coastal flooding zones. The report indicates that the risk of surface water flooding is negligible. In terms of groundwater flooding, the report indicates that there is a moderate risk of flooding, with moderate-high risk areas within 50m.

There are no flood defences recorded in the area.

Pollution history including:

Pollution incidents

- pollution incidents that may have affected land

The Groundsure report indicates that one pollution incident occurred within a 1km radius of the site on 3 May 2003. The incident took place 446m southeast of the site and involved inert materials and wastes.

³ Data accessible from [STOUR \(KENT\) | Catchment Data Explorer | Catchment Data Explorer](#) (accessed February 2023).

2.0 Condition of the land at permit issue

<ul style="list-style-type: none"> historical land-uses and associated contaminants any visual / olfactory evidence of existing contamination evidence of damage to pollution prevention measures 	<p>Historic land uses of the site</p> <p>Historical mapping⁴ indicates that the site has mainly been used for agriculture from 1873 onwards to 2003. Internet sources of aerial photography suggests that the site was used as a horse paddock from 2007 to 2013.</p> <p>Site walk over</p> <p>A site walkover was conducted on 23 November 2022 as described above. There was no observable evidence of existing pollution found during the walk over.</p>
<p>Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)</p>	<p>No reports identified.</p>
<p>Baseline soil and groundwater reference data</p>	<p>Baseline soil and groundwater reference data are not available at this time. TGH proposes to collect soil reference data within 6 months of EP issue.</p>
<p>Supporting information</p>	<p>Groundsure report</p> <p>The report (WTM1-9333217) and Map insights reports (WTM1-9333216) are included in Appendix B.</p>

⁴ Groundsure Map insight report, reference WTM1-9333216.

3.0 Permitted activities

<p>Permitted activities</p>	<p>The site does not currently carry any authorisations. The EP application seeks to obtain a bespoke EP based on the SR2008No11_75kte ruleset.</p> <p>The facility will receive waste materials for processing and storage, and dispatch recovered materials (including recycled aggregate). The waste types to be accepted can be broadly described as inert and non-hazardous materials including: demolition concrete; brickwork; blockwork; and similar hardcore, excavation spoil such as soils and road works spoil. Imported wastes are to be treated by mechanical screening and / or crushing to produce recycled aggregate. To process the imported waste a crusher will come to site on a campaign basis. Imported wastes, recycled aggregated and primary aggregate will be stockpiled in clearly demarcated areas and storage bays.</p> <p>An ERA has been included elsewhere in the application bundle, in support of the EP application.</p>
<p>Non-permitted activities undertaken</p>	<p>There are no non-permitted activities.</p>
<p>Document references for:</p> <ul style="list-style-type: none"> • plan showing activity layout; and • environmental risk assessment. 	<ul style="list-style-type: none"> • Environmental Permit Boundary (WIE19228-100_GIS_EPA_1A) included in Appendix A • Environmental Risk Assessment (WIE19228-100-R-3-1-X-ERA) submitted alongside this SCR as part of the application bundle.




APPENDICES



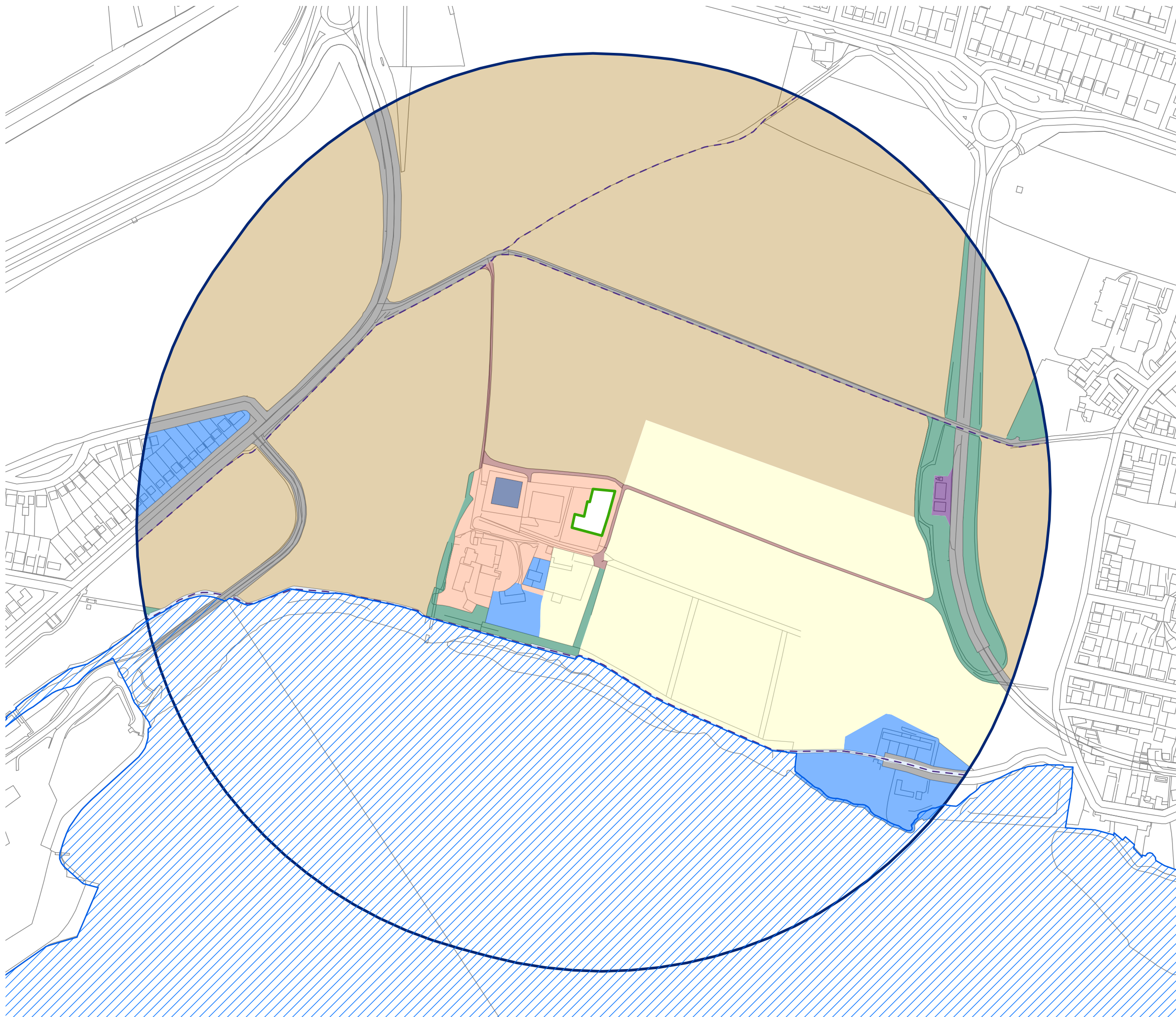
A. Plans and Drawings

- Environmental Boundary (WIE19228-100_GIS_EPA_1A); and
- 500m Sensitive Receptors Plan (WIE19228-100_GIS_EPA_2A).

 Permit Boundary

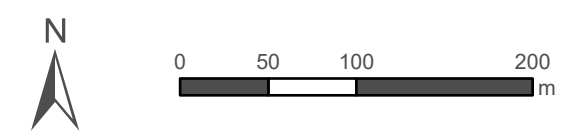


Project Details	WIE19228-100: Thanet Grab Hire, Little Cliffsend Farm
Figure Title	Figure 1: Environmental Permit Boundary
Figure Ref	WIE19228-100_GIS_EPA_1A
Date	February 2023
File Location	N:\Projects\WIE19228\100\9_GIS\WIE19228-100_GIS_WA\



-  Permit Boundary
-  500m Study Area
-  Agricultural
-  Commercial Industrial / Non-residential
-  England Coast Path Route
-  Animal Husbandry
-  Private Access Road
-  Public Highways
-  Reservoir
-  Residential
-  Utilities
-  Woodland
-  Public Rights of Way
-  Conservation Statutory Designations*

* The designation boundaries have been combined in this plan for the sake of clarity. The designation boundaries are shown separately in the Environment Agency's Nature and Heritage Conservation Screening Report: Bespoke Waste (reference EPR/LB3037AU/A001) dated 6 May 2022."



Project Details	WIE19228-100: Thanet Grab Hire, Little Cliffsend Farm
Figure Title	Figure 2: Environmental Receptor Plan
Figure Ref	WIE19228-100_GIS_EPA_2A
Date	March 2023
File Location	N:\Projects\WIE19228\100\9_GIS\WIE19228-100_GIS_WAI



B. Groundsure Reports

- Enviro+Geo Insight Report (WTM1-9333217);
- Map Insight (WTM1-9333216);
 - large scale; and
 - small scale.

LITTLE CLIFFSEND FARM HOUSE, CHALK HILL, RAMSGATE, CT12 5HP

Order Details

Date: 02/02/2023
Your ref: WIE19228_REQ_121087
Our Ref: WTM1-9333217

Site Details

Location: 635765 164486
Area: 0.15 ha
Authority: [Thanet District Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

groundsure.com/insightuserguide

Contact us with any questions at:

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Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	<u>Historical industrial land uses</u>	0	0	8	23	-
16	1.2	Historical tanks	0	0	0	0	-
16	1.3	<u>Historical energy features</u>	0	0	0	1	-
16	1.4	Historical petrol stations	0	0	0	0	-
17	1.5	Historical garages	0	0	0	0	-
17	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
18	2.1	<u>Historical industrial land uses</u>	0	0	11	32	-
20	2.2	Historical tanks	0	0	0	0	-
20	2.3	<u>Historical energy features</u>	0	0	0	4	-
21	2.4	Historical petrol stations	0	0	0	0	-
21	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
22	3.1	Active or recent landfill	0	0	0	0	-
22	3.2	Historical landfill (BGS records)	0	0	0	0	-
23	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
23	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
23	3.5	Historical waste sites	0	0	0	0	-
23	3.6	Licensed waste sites	0	0	0	0	-
23	3.7	<u>Waste exemptions</u>	0	0	19	0	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
26	4.1	<u>Recent industrial land uses</u>	0	0	2	-	-
27	4.2	Current or recent petrol stations	0	0	0	0	-
27	4.3	Electricity cables	0	0	0	0	-
27	4.4	Gas pipelines	0	0	0	0	-
27	4.5	Sites determined as Contaminated Land	0	0	0	0	-



27	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
28	4.7	Regulated explosive sites	0	0	0	0	-
28	4.8	Hazardous substance storage/usage	0	0	0	0	-
28	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
28	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
28	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
29	4.12	Radioactive Substance Authorisations	0	0	0	0	-
29	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
29	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
29	4.15	Pollutant release to public sewer	0	0	0	0	-
29	4.16	List 1 Dangerous Substances	0	0	0	0	-
30	4.17	List 2 Dangerous Substances	0	0	0	0	-
30	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	0	1	-
30	4.19	Pollution inventory substances	0	0	0	0	-
30	4.20	Pollution inventory waste transfers	0	0	0	0	-
31	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
32	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
33	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
35	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
36	5.4	<u>Groundwater vulnerability- soluble rock risk</u>	Identified (within 0m)				
36	5.5	Groundwater vulnerability- local information	None (within 0m)				
37	5.6	<u>Groundwater abstractions</u>	0	0	0	0	2
38	5.7	<u>Surface water abstractions</u>	0	0	0	0	1
39	5.8	<u>Potable abstractions</u>	0	0	0	0	2
39	5.9	<u>Source Protection Zones</u>	2	0	1	1	-
40	5.10	<u>Source Protection Zones (confined aquifer)</u>	0	0	0	1	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
41	6.1	Water Network (OS MasterMap)	0	0	0	-	-



41	6.2	<u>Surface water features</u>	0	0	1	-	-
42	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
42	6.4	<u>WFD Surface water bodies</u>	0	0	1	-	-
43	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
44	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
44	7.2	Historical Flood Events	0	0	0	-	-
44	7.3	Flood Defences	0	0	0	-	-
45	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
45	7.5	Flood Storage Areas	0	0	0	-	-
46	7.6	Flood Zone 2	None (within 50m)				
46	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
47	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding					
48	9.1	<u>Groundwater flooding</u>	Moderate-High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
49	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	1	0	1
50	10.2	<u>Conserved wetland sites (Ramsar sites)</u>	0	0	1	0	5
52	10.3	<u>Special Areas of Conservation (SAC)</u>	0	0	1	1	0
53	10.4	<u>Special Protection Areas (SPA)</u>	0	0	2	0	6
54	10.5	<u>National Nature Reserves (NNR)</u>	0	0	2	0	0
54	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
54	10.7	Designated Ancient Woodland	0	0	0	0	0
55	10.8	Biosphere Reserves	0	0	0	0	0
55	10.9	Forest Parks	0	0	0	0	0
55	10.10	Marine Conservation Zones	0	0	0	0	0
55	10.11	Green Belt	0	0	0	0	0
55	10.12	Proposed Ramsar sites	0	0	0	0	0



56	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
56	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
56	10.15	Nitrate Sensitive Areas	0	0	0	0	0
56	10.16	<u>Nitrate Vulnerable Zones</u>	1	0	0	0	2
58	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
59	10.18	<u>SSSI Units</u>	0	0	3	1	2

Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
63	11.1	World Heritage Sites	0	0	0	-	-
64	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
64	11.3	National Parks	0	0	0	-	-
64	11.4	<u>Listed Buildings</u>	0	0	1	-	-
65	11.5	<u>Conservation Areas</u>	1	0	0	-	-
65	11.6	Scheduled Ancient Monuments	0	0	0	-	-
65	11.7	Registered Parks and Gardens	0	0	0	-	-

Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
66	12.1	<u>Agricultural Land Classification</u>	Grade 3a (within 250m)				
67	12.2	Open Access Land	0	0	0	-	-
67	12.3	Tree Felling Licences	0	0	0	-	-
67	12.4	Environmental Stewardship Schemes	0	0	0	-	-
68	12.5	Countryside Stewardship Schemes	0	0	0	-	-

Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
69	13.1	<u>Priority Habitat Inventory</u>	0	0	12	-	-
70	13.2	<u>Habitat Networks</u>	1	0	3	-	-
71	13.3	Open Mosaic Habitat	0	0	0	-	-
71	13.4	Limestone Pavement Orders	0	0	0	-	-

Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
72	14.1	<u>10k Availability</u>	Identified (within 500m)				
73	14.2	Artificial and made ground (10k)	0	0	0	0	-
74	14.3	Superficial geology (10k)	0	0	0	0	-



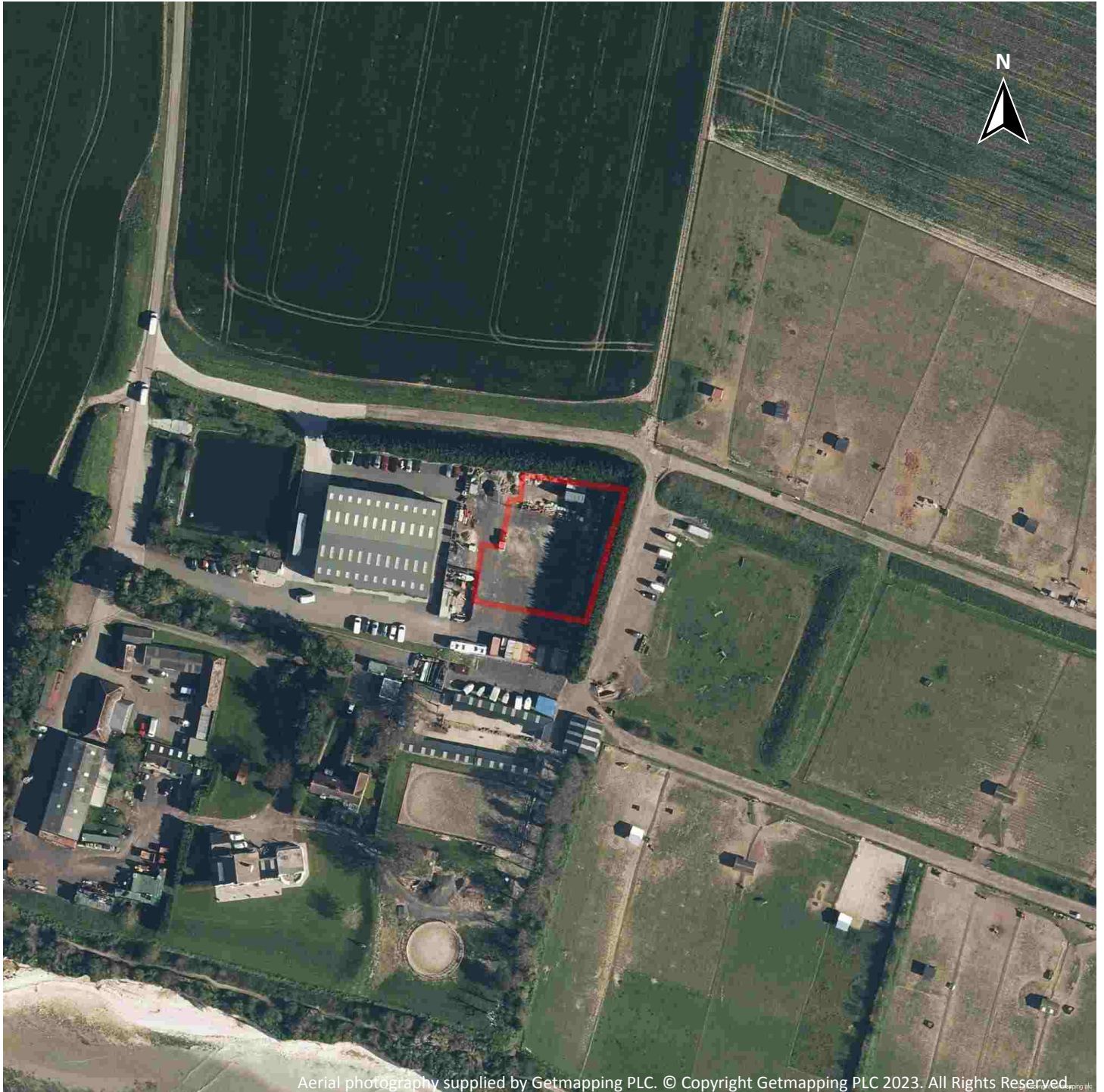
74	14.4	Landslip (10k)	0	0	0	0	-
75	14.5	Bedrock geology (10k)	0	0	0	0	-
75	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
76	15.1	<u>50k Availability</u>	Identified (within 500m)				
77	15.2	Artificial and made ground (50k)	0	0	0	0	-
77	15.3	Artificial ground permeability (50k)	0	0	-	-	-
78	15.4	<u>Superficial geology (50k)</u>	0	0	2	0	-
79	15.5	Superficial permeability (50k)	None (within 50m)				
79	15.6	Landslip (50k)	0	0	0	0	-
79	15.7	Landslip permeability (50k)	None (within 50m)				
80	15.8	<u>Bedrock geology (50k)</u>	1	0	1	1	-
81	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
81	15.10	<u>Bedrock faults and other linear features (50k)</u>	0	0	1	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
82	16.1	<u>BGS Boreholes</u>	0	0	2	-	-
Page	Section	Natural ground subsidence					
83	17.1	<u>Shrink swell clays</u>	Negligible (within 50m)				
84	17.2	<u>Running sands</u>	Negligible (within 50m)				
85	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
86	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
87	17.5	<u>Landslides</u>	Negligible (within 50m)				
88	17.6	<u>Ground dissolution of soluble rocks</u>	Moderate (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
90	18.1	<u>Natural cavities</u>	0	0	1	0	-
91	18.2	<u>BritPits</u>	0	0	0	2	-
91	18.3	<u>Surface ground workings</u>	0	0	9	-	-
92	18.4	<u>Underground workings</u>	0	0	5	0	0
92	18.5	Historical Mineral Planning Areas	0	0	0	0	-



93	18.6	<u>Non-coal mining</u>		1	0	1	3	9
94	18.7	<u>Mining cavities</u>		0	0	2	0	0
95	18.8	JPB mining areas		None (within 0m)				
95	18.9	Coal mining		None (within 0m)				
95	18.10	Brine areas		None (within 0m)				
95	18.11	Gypsum areas		None (within 0m)				
96	18.12	Tin mining		None (within 0m)				
96	18.13	Clay mining		None (within 0m)				
Page	Section	Radon						
97	19.1	<u>Radon</u>		Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m	
99	20.1	<u>BGS Estimated Background Soil Chemistry</u>	2	0	-	-	-	
99	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-	
99	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-	
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m	
100	21.1	Underground railways (London)	0	0	0	-	-	
100	21.2	Underground railways (Non-London)	0	0	0	-	-	
101	21.3	Railway tunnels	0	0	0	-	-	
101	21.4	<u>Historical railway and tunnel features</u>	0	0	12	-	-	
102	21.5	Royal Mail tunnels	0	0	0	-	-	
102	21.6	Historical railways	0	0	0	-	-	
102	21.7	Railways	0	0	0	-	-	
102	21.8	Crossrail 1	0	0	0	0	-	
102	21.9	Crossrail 2	0	0	0	0	-	
103	21.10	HS2	0	0	0	0	-	



Recent aerial photograph

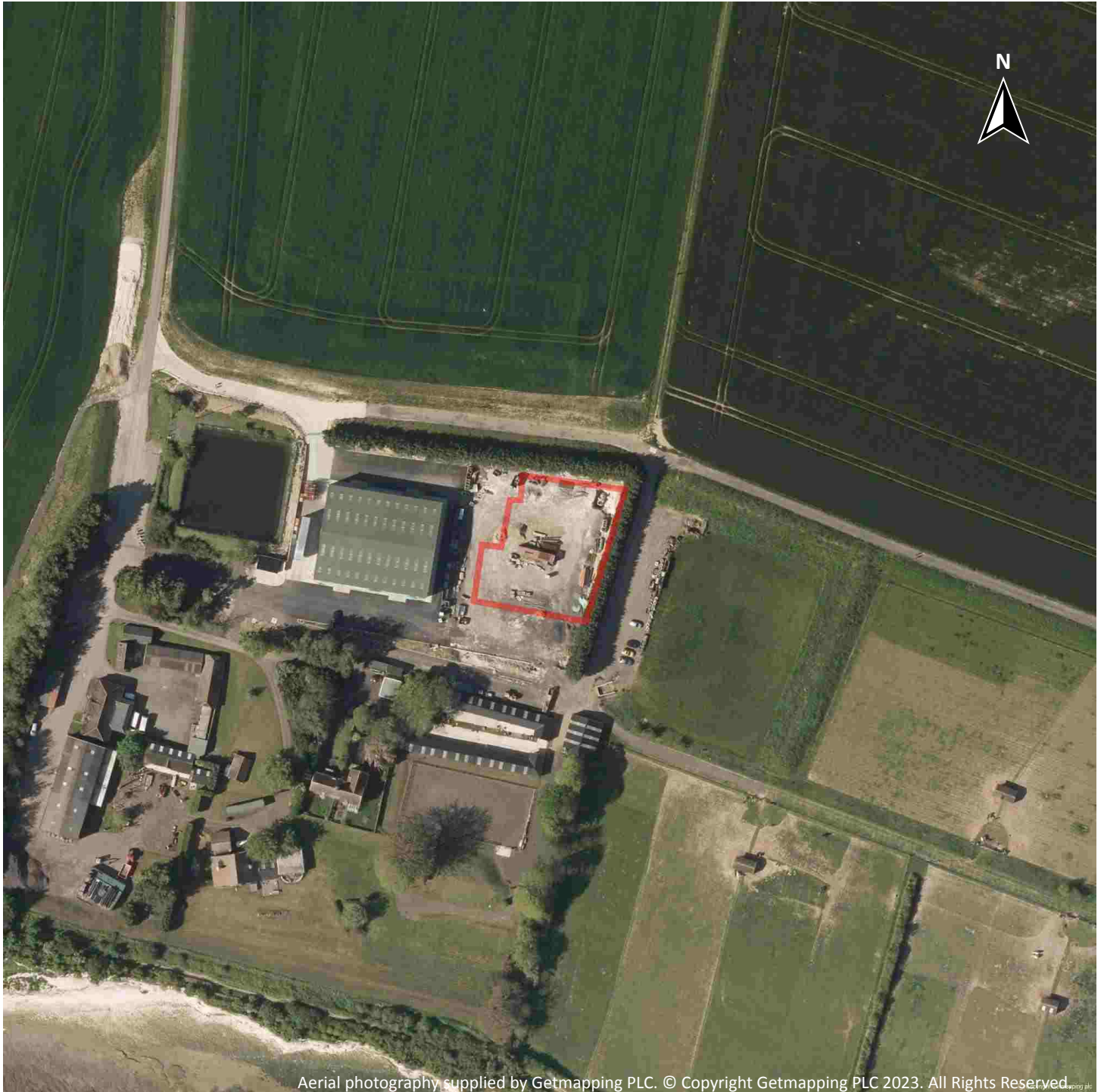


Capture Date: 07/04/2021

Site Area: 0.15ha



Recent site history - 2018 aerial photograph



Capture Date: 05/05/2018

Site Area: 0.15ha



Recent site history - 2012 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2023. All Rights Reserved.

Capture Date: 25/05/2012

Site Area: 0.15ha



Recent site history - 2008 aerial photograph



Capture Date: 09/10/2008

Site Area: 0.15ha



Recent site history - 1999 aerial photograph

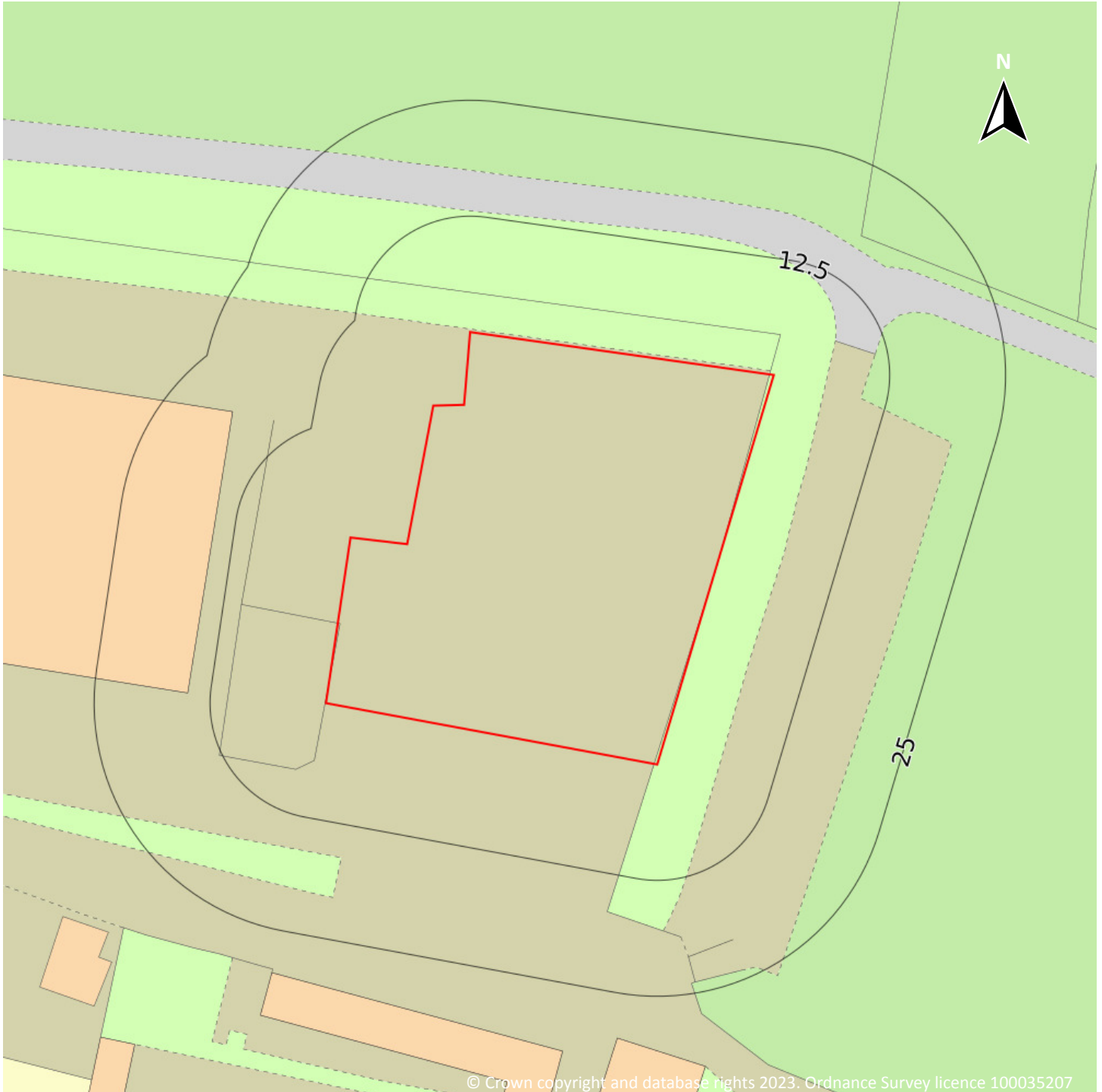


Capture Date: 29/08/1999

Site Area: 0.15ha



OS MasterMap site plan



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Site Area: 0.15ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical energy features

1.1 Historical industrial land uses

Records within 500m **31**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
A	104m S	Unspecified Ground Workings	1905 - 1931	2358942

ID	Location	Land use	Dates present	Group ID
A	105m S	Brick Works	1897	2346521
A	137m S	Brick Fields	1872	2348978
1	152m S	Unspecified Pit	1872	2346108
2	152m W	Tunnel	1948 - 1959	2357914
A	153m SE	Unspecified Pit	1897 - 1905	2354766
A	172m SE	Unspecified Pit	1872	2362442
A	245m SE	Unspecified Pit	1872	2355988
3	280m NW	Cuttings	1872 - 1897	2363765
4	337m SE	Unspecified Pit	1938	2360441
B	358m SE	Unspecified Ground Workings	1905	2355118
C	387m SE	Coastguard Station	1897 - 1905	2359007
C	391m SE	Coast Guard Station	1905	2350846
B	395m SE	Coastguard Station	1872	2362900
D	415m N	Unspecified Ground Workings	1905 - 1931	2354845
D	419m N	Unspecified Pit	1905	2352432
B	425m SE	Unspecified Ground Workings	1931	2352575
B	425m SE	Unspecified Pit	1938	2355415
B	426m SE	Unspecified Pit	1931	2362049
E	431m W	Unspecified Pit	1990	2355971
E	431m W	Unspecified Pit	1975	2358706
F	431m SE	Brick Works	1897	2346520
D	435m N	Unspecified Pit	1948 - 1959	2358581
F	446m SE	Unspecified Ground Workings	1931	2347140
F	447m SE	Unspecified Heap	1931	2361771
F	448m SE	Unspecified Heap	1938	2353581
6	465m W	Brick Works	1905	2356400
G	486m SE	Rifle Range	1897 - 1905	2351974
F	490m E	Brick Field	1872	2349350



ID	Location	Land use	Dates present	Group ID
F	492m E	Unspecified Ground Workings	1872	2347141
G	498m SE	Rifle Range	1905	2361553

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

0

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

1

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
5	382m W	Electricity Substation	1972 - 1993	302379

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical energy features

2.1 Historical industrial land uses

Records within 500m

43

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 18**

ID	Location	Land Use	Date	Group ID
A	104m S	Unspecified Ground Workings	1931	2358942
A	104m S	Unspecified Ground Workings	1905	2358942
A	105m S	Brick Works	1897	2346521

ID	Location	Land Use	Date	Group ID
A	137m S	Brick Fields	1872	2348978
1	152m S	Unspecified Pit	1872	2346108
B	152m W	Tunnel	1948	2357914
A	153m SE	Unspecified Pit	1905	2354766
B	156m W	Tunnel	1959	2357914
A	172m SE	Unspecified Pit	1872	2362442
A	222m SE	Unspecified Pit	1897	2354766
A	245m SE	Unspecified Pit	1872	2355988
C	280m NW	Cuttings	1897	2363765
C	289m NW	Cuttings	1872	2363765
D	337m SE	Unspecified Pit	1938	2360441
D	337m SE	Unspecified Pit	1938	2360441
E	358m SE	Unspecified Ground Workings	1905	2355118
G	387m SE	Coastguard Station	1897	2359007
G	391m SE	Coast Guard Station	1905	2350846
G	392m SE	Coastguard Station	1905	2359007
E	395m SE	Coastguard Station	1872	2362900
H	415m N	Unspecified Ground Workings	1931	2354845
H	415m N	Unspecified Ground Workings	1905	2354845
H	419m N	Unspecified Pit	1905	2352432
E	425m SE	Unspecified Ground Workings	1931	2352575
E	425m SE	Unspecified Pit	1938	2355415
E	425m SE	Unspecified Pit	1938	2355415
E	426m SE	Unspecified Pit	1931	2362049
I	431m W	Unspecified Pit	1990	2355971
I	431m W	Unspecified Pit	1975	2358706
J	431m SE	Brick Works	1897	2346520
H	435m N	Unspecified Pit	1948	2358581



ID	Location	Land Use	Date	Group ID
H	437m N	Unspecified Pit	1959	2358581
J	446m SE	Unspecified Ground Workings	1931	2347140
J	447m SE	Unspecified Heap	1931	2361771
J	448m SE	Unspecified Heap	1938	2353581
J	448m SE	Unspecified Heap	1938	2353581
K	465m W	Brick Works	1905	2356400
K	470m W	Brick Works	1905	2356400
L	486m SE	Rifle Range	1897	2351974
J	490m E	Brick Field	1872	2349350
J	492m E	Unspecified Ground Workings	1872	2347141
L	497m SE	Rifle Range	1905	2351974
L	498m SE	Rifle Range	1905	2361553

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

0

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

4

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 18**

ID	Location	Land Use	Date	Group ID
F	382m W	Electricity Substation	1981	302379



ID	Location	Land Use	Date	Group ID
F	382m W	Electricity Substation	1981	302379
F	382m W	Electricity Substation	1972	302379
F	383m W	Electricity Substation	1993	302379

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m **0**

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m **0**

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m **0**

Waste site records derived from Local Authority planning records and high detail historical mapping.

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m **0**

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m **19**

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	76m SW	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX211635	Storing waste exemption	On a Farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
A	76m SW	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX211635	Storing waste exemption	On a Farm	Storage of waste in secure containers
A	76m SW	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX211635	Disposing of waste exemption	On a Farm	Burning waste in the open
A	76m SW	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX211635	Disposing of waste exemption	On a Farm	Deposit of waste from dredging of inland waters
A	76m SW	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX211635	Treating waste exemption	On a Farm	Cleaning, washing, spraying or coating relevant waste
A	76m SW	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX211635	Using waste exemption	On a Farm	Spreading waste on agricultural land to confer benefit
A	76m SW	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX211635	Using waste exemption	On a Farm	Use of waste for a specified purpose
A	76m SW	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX211635	Using waste exemption	On a Farm	Use of baled end-of-life tyres in construction
A	76m SW	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX211635	Using waste exemption	On a Farm	Use of waste in construction
B	88m W	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX068656	Disposing of waste exemption	On a farm	Burning waste in the open
B	88m W	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX068656	Using waste exemption	On a farm	Use of waste in construction
B	88m W	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX068656	Using waste exemption	On a farm	Use of waste for a specified purpose
A	116m SW	Little Cliffsend Farm Chalk Hill RAMSGATE Kent CT12 5HP	EPR/NH0779V F/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
A	116m SW	Little Cliffsend Farm Chalk Hill RAMSGATE Kent CT12 5HP	EPR/NH0779V F/A001	Using waste exemption	Agricultural Waste Only	Use of waste in construction
A	116m SW	Little Cliffsend Farm Chalk Hill RAMSGATE Kent CT12 5HP	EPR/NH0779V F/A001	Using waste exemption	Agricultural Waste Only	Use of waste for a specified purpose
A	117m SW	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX217998	Disposing of waste exemption	On a Farm	Burning waste in the open



ID	Location	Site	Reference	Category	Sub-Category	Description
A	117m SW	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX217998	Using waste exemption	On a Farm	Use of waste in construction
A	117m SW	Little Cliffsend Farm, Chalk Hill, Ramsgate, CT12 5HP	WEX217998	Using waste exemption	On a Farm	Use of waste for a specified purpose
B	125m W	LITTLE CLIFFSEND FARM, CHALK HILL, CLIFFSEND, RAMSGATE, CT12 5HP	WEX246446	Storing waste exemption	Not on a farm	Storage of waste in a secure place

This data is sourced from the Environment Agency and Natural Resources Wales.



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Pollution Incidents (EA/NRW)

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4.1 Recent industrial land uses

Records within 250m

2

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 26**

ID	Location	Company	Address	Activity	Category
1	88m W	Bob Brunger	Unit 3 The Granary, Little Cliffsend Farm, Cliffsend, Ramsgate, Kent, CT12 5HP	Furniture	Consumer Products
2	144m SW	Cliffsend Motors Ltd	Unit 5 Little Cliffsend Farm, Chalk Hill, Cliffsend, Ramsgate, Kent, CT12 5HP	Vehicle Repair, Testing and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey.



4.2 Current or recent petrol stations

Records within 500m	0
---------------------	---

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0
---------------------	---

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0
---------------------	---

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0
---------------------	---

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0
---------------------	---

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

0

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from Local Authority records.



4.12 Radioactive Substance Authorisations

Records within 500m **0**

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m **0**

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m **0**

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m **0**

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m **0**

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.



4.17 List 2 Dangerous Substances

Records within 500m	0
----------------------------	----------

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m	1
----------------------------	----------

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 26**

ID	Location	Details	
3	446m SE	Incident Date: 03/05/2003 Incident Identification: 155852 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	0
----------------------------	----------

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m	0
----------------------------	----------

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



4.21 Pollution inventory radioactive waste

Records within 500m

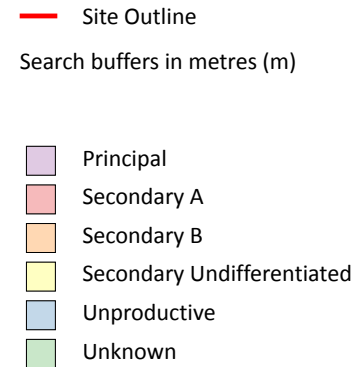
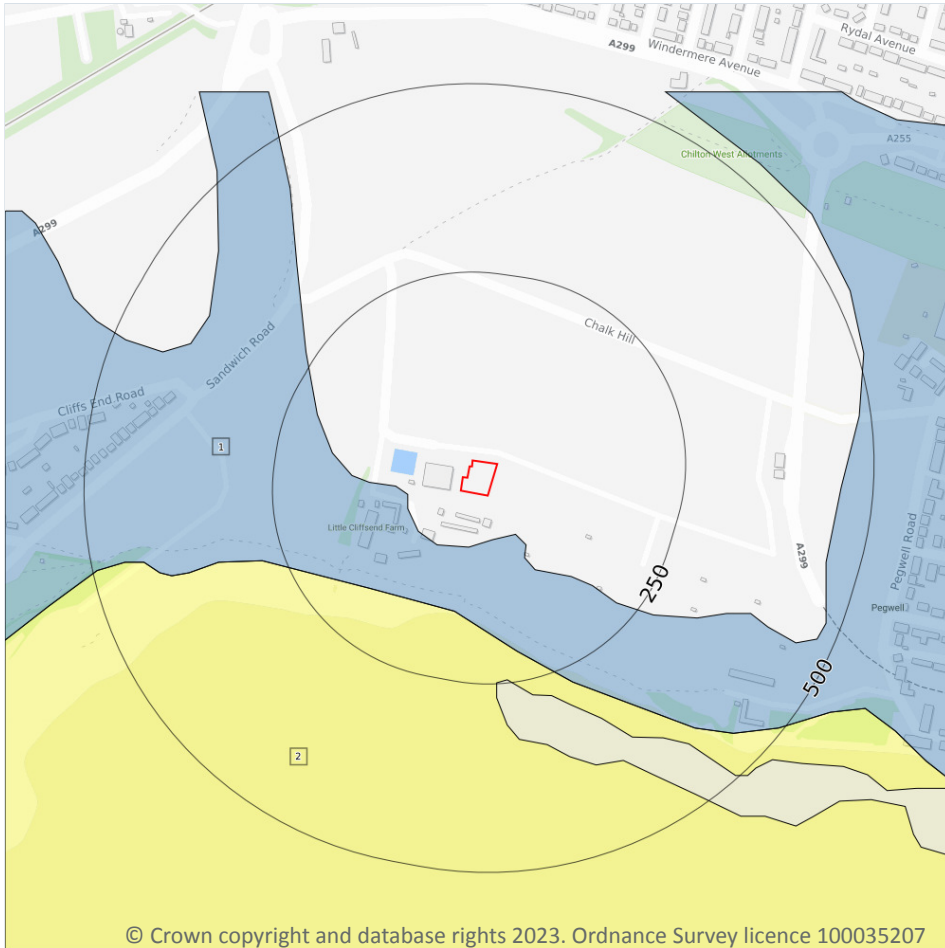
0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

2

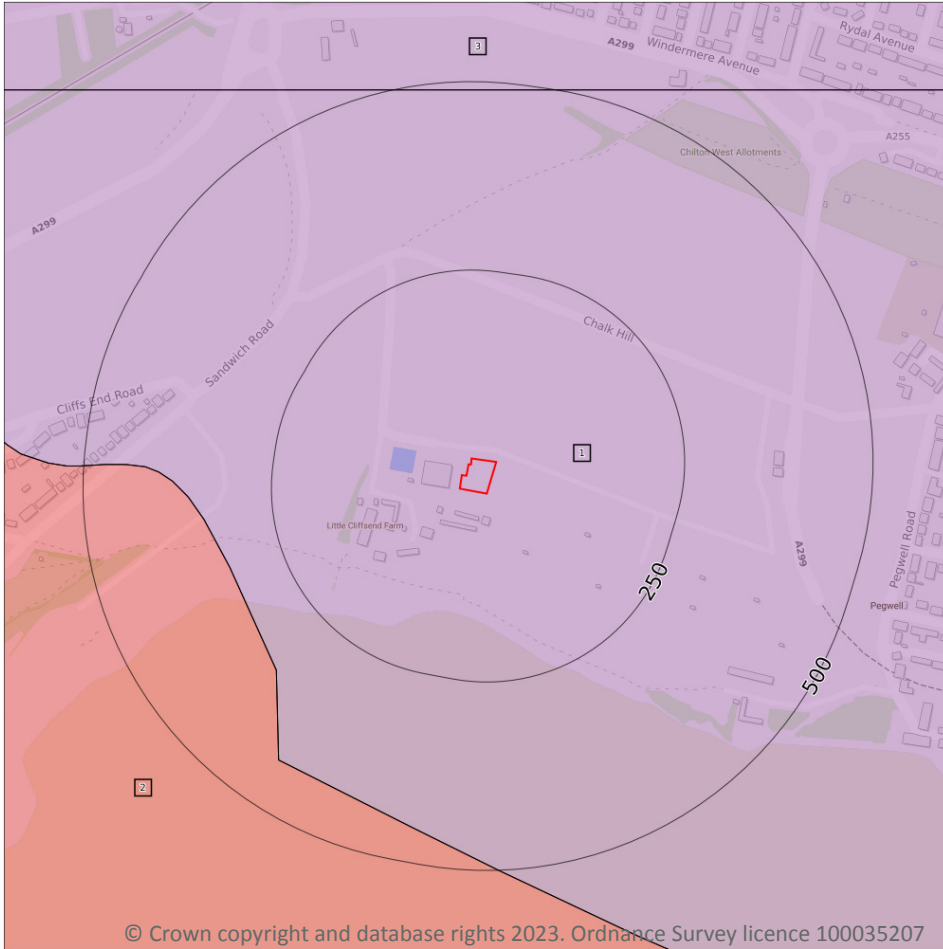
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 32**

ID	Location	Designation	Description
1	58m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
2	157m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Bedrock aquifer



- Site Outline**
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

5.2 Bedrock aquifer

Records within 500m

3

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 33**

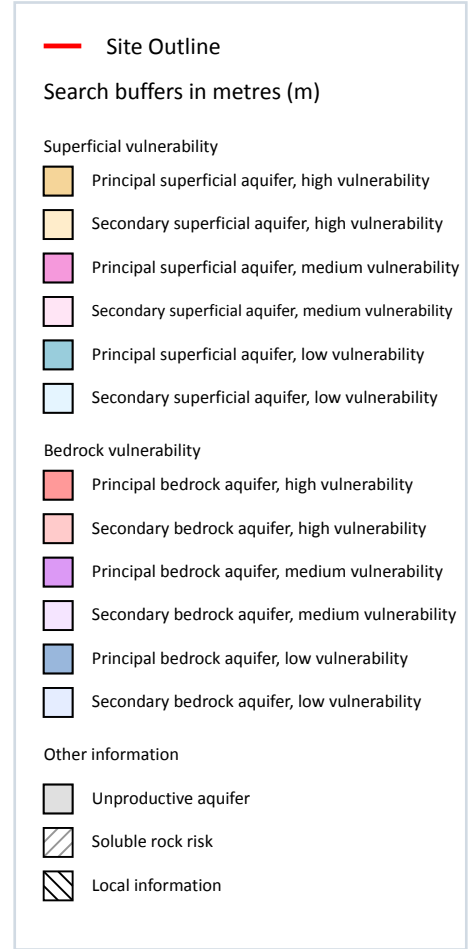
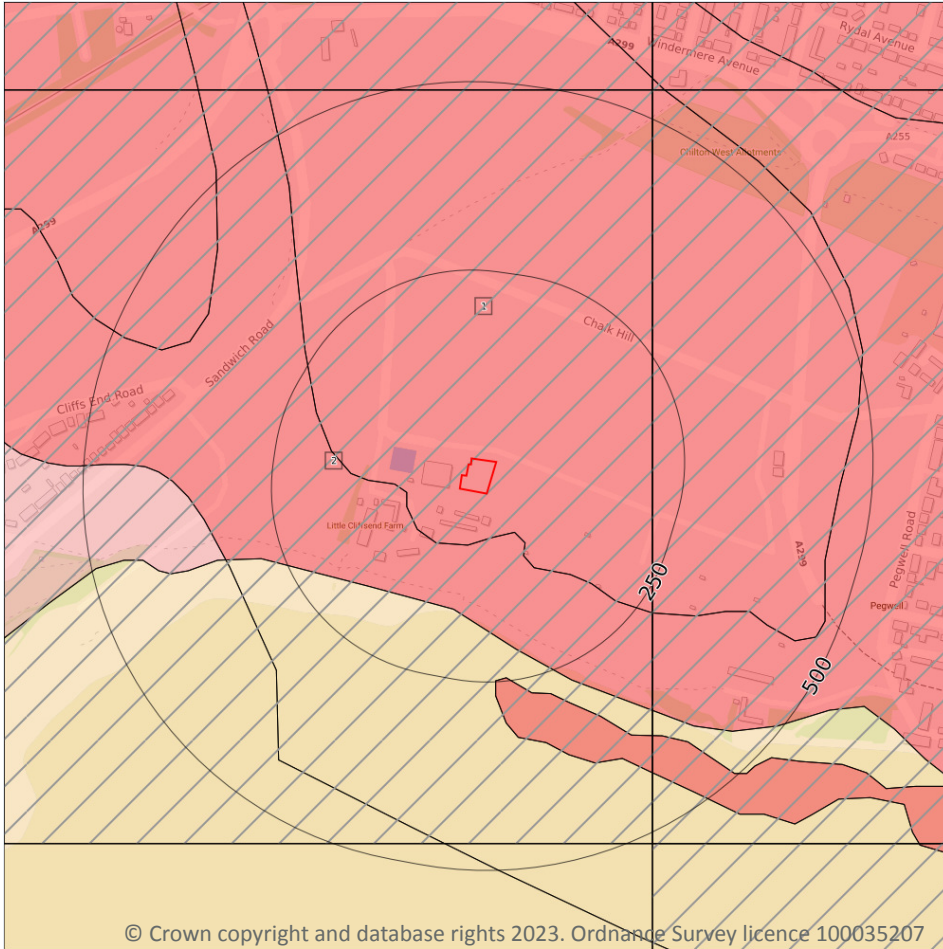
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	321m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	489m N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 35**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	1
------------------------	----------

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
2	Very significant soluble rocks are likely to be present with a high possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, especially in adverse conditions such as concentrated surface or subsurface water flow.	16.0%

This data is sourced from the British Geological Survey and the Environment Agency.

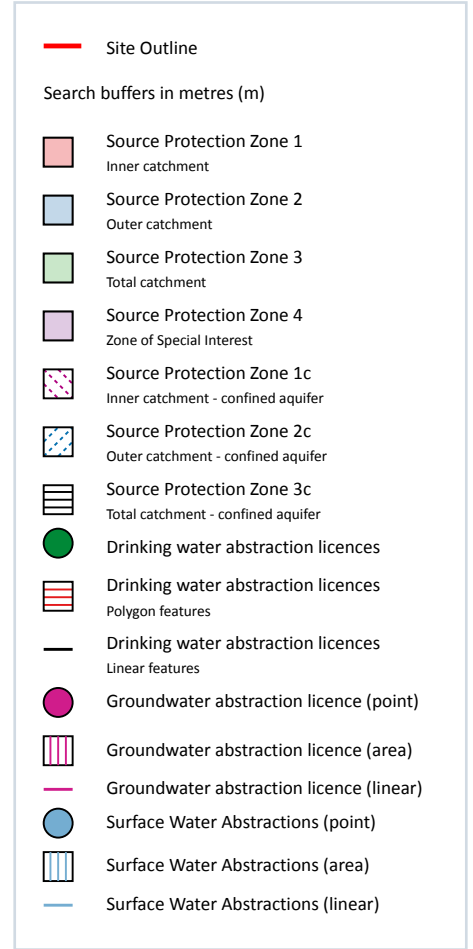
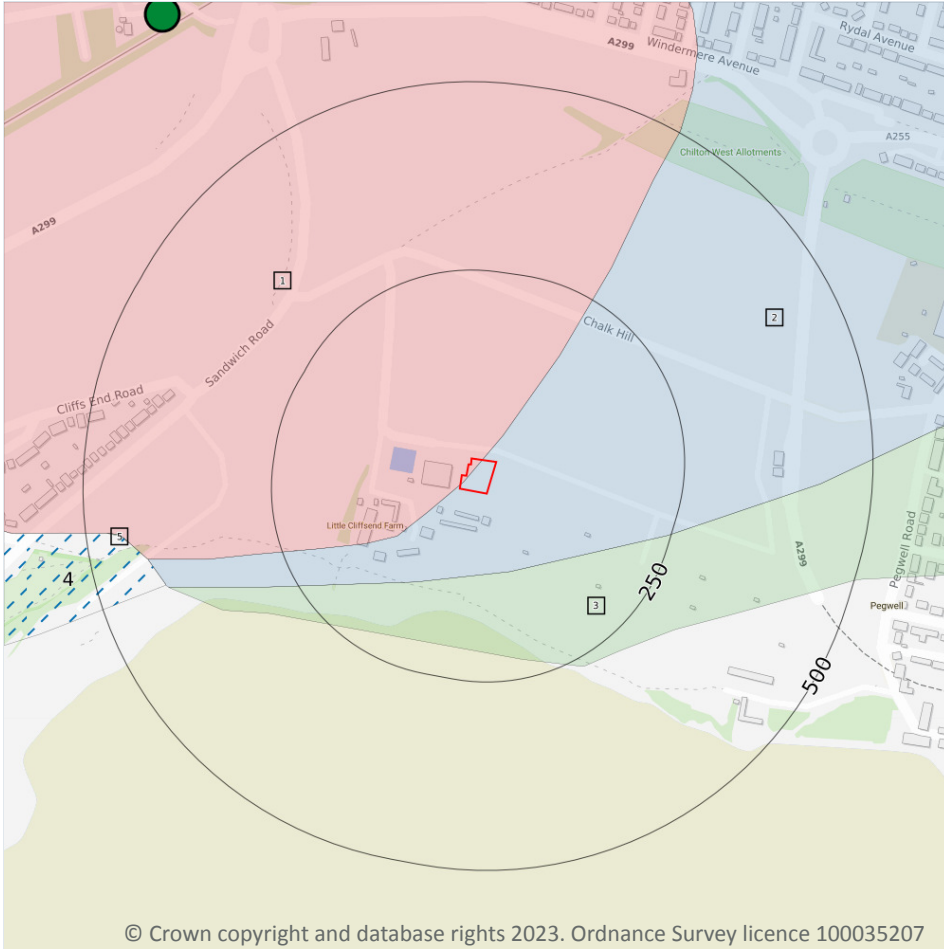
5.5 Groundwater vulnerability- local information

Records on site	0
------------------------	----------

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

2

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 37**

ID	Location	Details	
A	717m NW	Status: Historical Licence No: 9/40/04/0049/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE AT WHITEHALL PS Data Type: Point Name: Southern Water Services Plc Easting: 635350 Northing: 165100	Annual Volume (m ³): 6780359 Max Daily Volume (m ³): 26819.8 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 02/11/2006 Version End Date: -
A	717m NW	Status: Active Licence No: 9/40/04/0049/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE AT LORD OF THE MANOR PS Data Type: Point Name: Southern Water Services Ltd Easting: 635350 Northing: 165100	Annual Volume (m ³): 7,250,870 Max Daily Volume (m ³): 26,819.80 Original Application No: WR.1037 Original Start Date: 23/11/1966 Expiry Date: - Issue No: 100 Version Start Date: 02/11/2006 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m	1
-----------------------------	----------

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 37**

ID	Location	Details	
-	1971m SW	Status: Historical Licence No: 9/40/04/0442/S Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: POINTS 1-2, EBBSFLEET STREAM AT CLIFFSEND. Data Type: Line Name: Edward Spanton Farms Easting: 633930 Northing: 163700	Annual Volume (m ³): 14811 Max Daily Volume (m ³): 546 Original Application No: - Original Start Date: 26/10/1981 Expiry Date: - Issue No: 100 Version Start Date: 27/02/2017 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.



5.8 Potable abstractions

Records within 2000m

2

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 37**

ID	Location	Details	
A	717m NW	Status: Historical Licence No: 9/40/04/0049/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE AT WHITEHALL PS Data Type: Point Name: Southern Water Services Plc Easting: 635350 Northing: 165100	Annual Volume (m ³): 6780359 Max Daily Volume (m ³): 26819.8 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 02/11/2006 Version End Date: -
A	717m NW	Status: Active Licence No: 9/40/04/0049/GR Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE AT LORD OF THE MANOR PS Data Type: Point Name: Southern Water Services Ltd Easting: 635350 Northing: 165100	Annual Volume (m ³): 7,250,870 Max Daily Volume (m ³): 26,819.80 Original Application No: WR.1037 Original Start Date: 23/11/1966 Expiry Date: - Issue No: 100 Version Start Date: 02/11/2006 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m

4

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

Features are displayed on the Abstractions and Source Protection Zones map on **page 37**

ID	Location	Type	Description
1	On site	1	Inner catchment
2	On site	2	Outer catchment
3	106m S	3	Total catchment
5	445m W	3	Total catchment



This data is sourced from the Environment Agency and Natural Resources Wales.

5.10 Source Protection Zones (confined aquifer)

Records within 500m

1

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

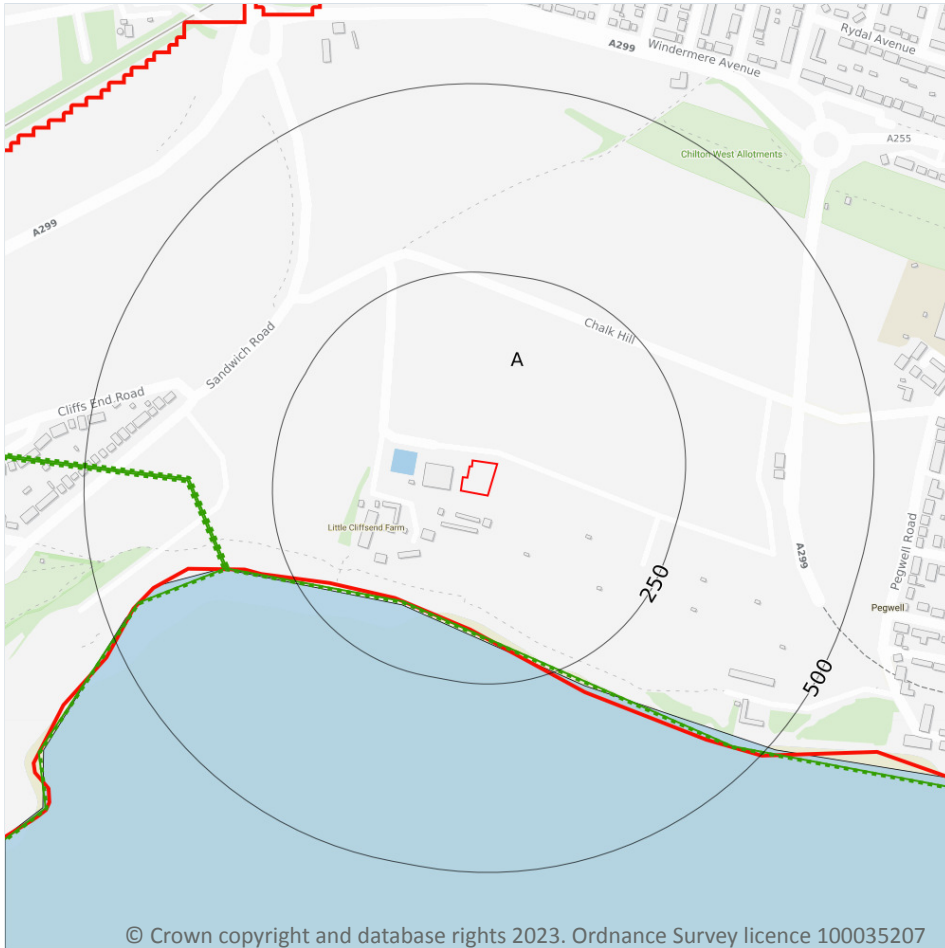
Features are displayed on the Abstractions and Source Protection Zones map on **page 37**

ID	Location	Type	Description
4	410m W	2c	Outer catchment within confined aquifer

This data is sourced from the Environment Agency and Natural Resources Wales.



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

0

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

1

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.



Features are displayed on the Hydrology map on **page 41**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1
------------------------	----------

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 41**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	Coastal Catchment	Not part of a river WB catchment	51	Stour Marshes	Stour

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 41**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
2	170m SW	Transi	STOUR (KENT)	GB520704004700	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site	1
------------------------	----------

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 41**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Kent Isle of Thanet Chalk	<u>GB40701G500100</u>	Poor	Poor	Poor	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m

0

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m

0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.



8 Surface water flooding

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

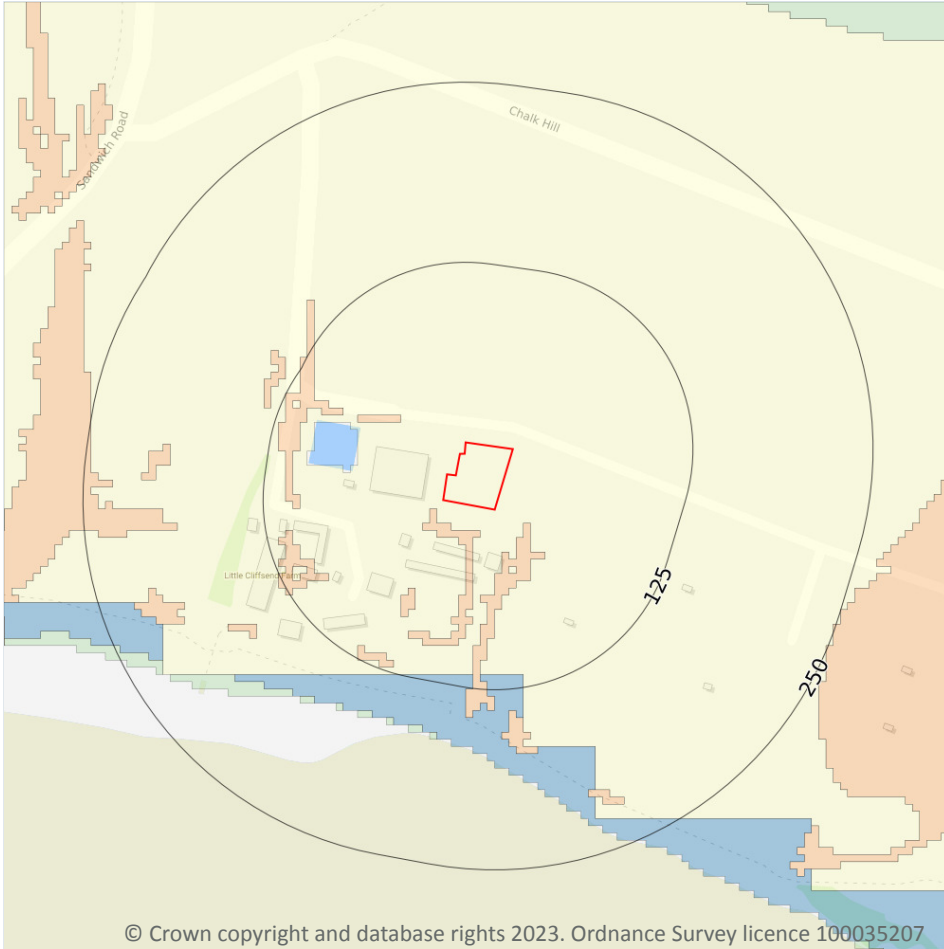
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

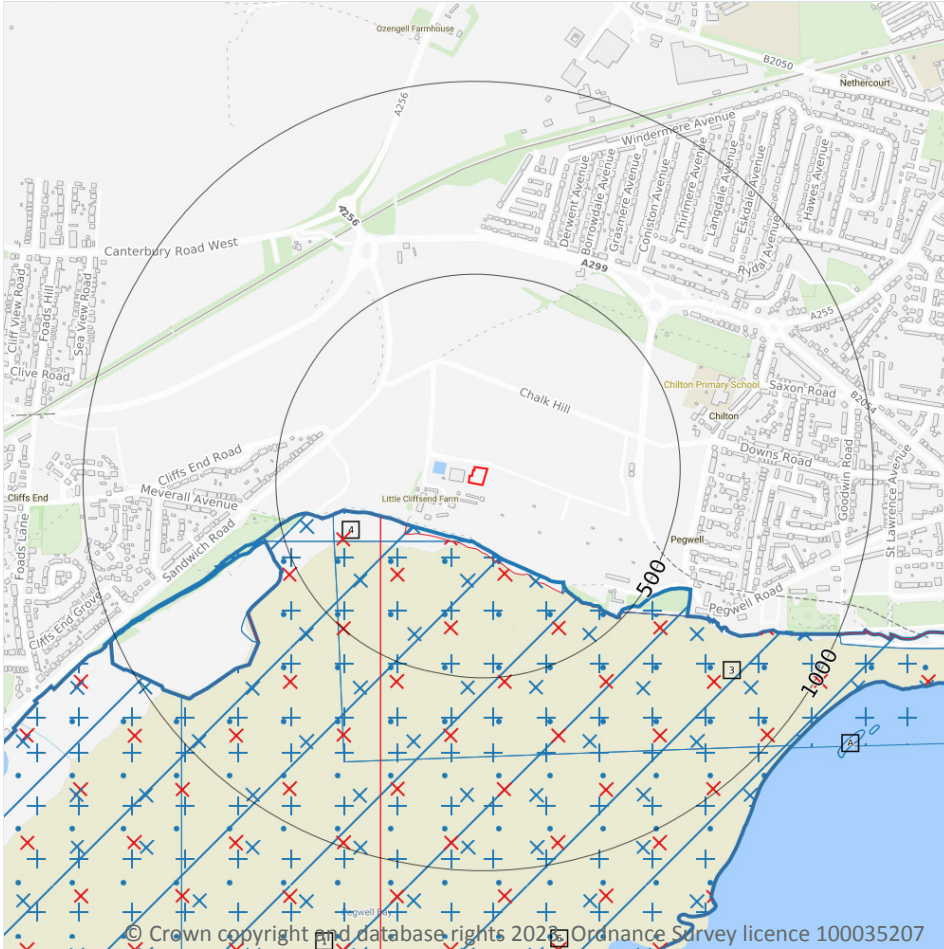
Moderate-High

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 48**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- × Conserved wetland sites (Ramsar sites)
- + Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)
- × National Nature Reserves (NNR)

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 49**

ID	Location	Name	Data source
1	147m S	Sandwich Bay to Hacklinge Marshes	Natural England



ID	Location	Name	Data source
-	1651m E	Sandwich Bay to Hacklinge Marshes	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	6
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Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

Features are displayed on the Environmental designations map on **page 49**

ID	Location	Site	Details
2	146m S	Name: Thanet Coast & Sandwich Bay Site status: Listed Data source: Natural England	Overview: A coastal site, consisting of a long stretch of rocky shore, adjoining areas of estuary, sand dune, maritime grassland, saltmarsh and grazing marsh. The wetland habitats support 15 British Red Data Book invertebrates, as well as a large number of nationally scarce species. The site attracts internationally important numbers of turnstone <i>Arenaria interpres</i> , and nationally important numbers of nationally important wintering populations of four wader species: ringed plover, golden plover, grey plover and sanderling, as well as Lapland bunting. The site is used by large numbers of migratory birds. Ramsar criteria: Ramsar criterion 2 Supports 15 British Red Data Book wetland invertebrates.
A	1150m SE	Name: Thanet Coast & Sandwich Bay Site status: Listed Data source: Natural England	Overview: A coastal site, consisting of a long stretch of rocky shore, adjoining areas of estuary, sand dune, maritime grassland, saltmarsh and grazing marsh. The wetland habitats support 15 British Red Data Book invertebrates, as well as a large number of nationally scarce species. The site attracts internationally important numbers of turnstone <i>Arenaria interpres</i> , and nationally important numbers of nationally important wintering populations of four wader species: ringed plover, golden plover, grey plover and sanderling, as well as Lapland bunting. The site is used by large numbers of migratory birds. Ramsar criteria: Ramsar criterion 2 Supports 15 British Red Data Book wetland invertebrates.

ID	Location	Site	Details
A	1189m SE	Name: Thanet Coast & Sandwich Bay Site status: Listed Data source: Natural England	<p>Overview: A coastal site, consisting of a long stretch of rocky shore, adjoining areas of estuary, sand dune, maritime grassland, saltmarsh and grazing marsh. The wetland habitats support 15 British Red Data Book invertebrates, as well as a large number of nationally scarce species. The site attracts internationally important numbers of turnstone <i>Arenaria interpres</i>, and nationally important numbers of nationally important wintering populations of four wader species: ringed plover, golden plover, grey plover and sanderling, as well as Lapland bunting. The site is used by large numbers of migratory birds.</p> <p>Ramsar criteria: Ramsar criterion 2 Supports 15 British Red Data Book wetland invertebrates.</p>
-	1501m SE	Name: Thanet Coast & Sandwich Bay Site status: Listed Data source: Natural England	<p>Overview: A coastal site, consisting of a long stretch of rocky shore, adjoining areas of estuary, sand dune, maritime grassland, saltmarsh and grazing marsh. The wetland habitats support 15 British Red Data Book invertebrates, as well as a large number of nationally scarce species. The site attracts internationally important numbers of turnstone <i>Arenaria interpres</i>, and nationally important numbers of nationally important wintering populations of four wader species: ringed plover, golden plover, grey plover and sanderling, as well as Lapland bunting. The site is used by large numbers of migratory birds.</p> <p>Ramsar criteria: Ramsar criterion 2 Supports 15 British Red Data Book wetland invertebrates.</p>
-	1535m SE	Name: Thanet Coast & Sandwich Bay Site status: Listed Data source: Natural England	<p>Overview: A coastal site, consisting of a long stretch of rocky shore, adjoining areas of estuary, sand dune, maritime grassland, saltmarsh and grazing marsh. The wetland habitats support 15 British Red Data Book invertebrates, as well as a large number of nationally scarce species. The site attracts internationally important numbers of turnstone <i>Arenaria interpres</i>, and nationally important numbers of nationally important wintering populations of four wader species: ringed plover, golden plover, grey plover and sanderling, as well as Lapland bunting. The site is used by large numbers of migratory birds.</p> <p>Ramsar criteria: Ramsar criterion 2 Supports 15 British Red Data Book wetland invertebrates.</p>



ID	Location	Site	Details
-	1603m SE	Name: Thanet Coast & Sandwich Bay Site status: Listed Data source: Natural England	Overview: A coastal site, consisting of a long stretch of rocky shore, adjoining areas of estuary, sand dune, maritime grassland, saltmarsh and grazing marsh. The wetland habitats support 15 British Red Data Book invertebrates, as well as a large number of nationally scarce species. The site attracts internationally important numbers of turnstone <i>Arenaria interpres</i> , and nationally important numbers of nationally important wintering populations of four wader species: ringed plover, golden plover, grey plover and sanderling, as well as Lapland bunting. The site is used by large numbers of migratory birds. Ramsar criteria: Ramsar criterion 2 Supports 15 British Red Data Book wetland invertebrates.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m	2
-----------------------------	----------

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

Features are displayed on the Environmental designations map on **page 49**

ID	Location	Name	Features of interest	Habitat description	Data source
3	147m S	Thanet Coast	Subtidal sandbanks; Intertidal mudflats and sandflats; Reefs; Sea caves.	Shingle, Sea cliffs, Islets; Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins)	Natural England
8	361m W	Sandwich Bay	Atlantic salt meadows; Shifting dunes; Shifting dunes with marram; Dune grassland; Dunes with sea-buckthorn; Dunes with creeping willow; Humid dune slacks; Great crested newt.	Coniferous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Inland water bodies (Standing water, Running water); Coastal sand dunes, Sand beaches, Machair; Improved grassland; Salt marshes, Salt pastures, Salt steppes; Humid grassland, Mesophile grassland	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m

8

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

Features are displayed on the Environmental designations map on **page 49**

ID	Location	Name	Species of interest	Habitat description	Data source
4	147m S	Thanet Coast & Sandwich Bay	European golden plover; Ruddy turnstone; Little tern	Shingle, Sea cliffs, Islets; Humid grassland, Mesophile grassland; Other arable land; Improved grassland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair	Natural England
5	148m S	Thanet Coast & Sandwich Bay	European golden plover; Ruddy turnstone; Little tern	Shingle, Sea cliffs, Islets; Humid grassland, Mesophile grassland; Other arable land; Improved grassland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair	Natural England
9	928m SW	Thanet Coast & Sandwich Bay	European golden plover; Ruddy turnstone; Little tern	Shingle, Sea cliffs, Islets; Humid grassland, Mesophile grassland; Other arable land; Improved grassland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair	Natural England
A	1151m SE	Thanet Coast & Sandwich Bay	European golden plover; Ruddy turnstone; Little tern	Shingle, Sea cliffs, Islets; Humid grassland, Mesophile grassland; Other arable land; Improved grassland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair	Natural England
A	1190m SE	Thanet Coast & Sandwich Bay	European golden plover; Ruddy turnstone; Little tern	Shingle, Sea cliffs, Islets; Humid grassland, Mesophile grassland; Other arable land; Improved grassland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair	Natural England
-	1501m SE	Thanet Coast & Sandwich Bay	European golden plover; Ruddy turnstone; Little tern	Shingle, Sea cliffs, Islets; Humid grassland, Mesophile grassland; Other arable land; Improved grassland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair	Natural England
-	1536m SE	Thanet Coast & Sandwich Bay	European golden plover; Ruddy turnstone; Little tern	Shingle, Sea cliffs, Islets; Humid grassland, Mesophile grassland; Other arable land; Improved grassland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair	Natural England



ID	Location	Name	Species of interest	Habitat description	Data source
-	1604m SE	Thanet Coast & Sandwich Bay	European golden plover; Ruddy turnstone; Little tern	Shingle, Sea cliffs, Islets; Humid grassland, Mesophile grassland; Other arable land; Improved grassland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m

2

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

Features are displayed on the Environmental designations map on **page 49**

ID	Location	Name	Data source
6	158m S	Sandwich & Pegwell Bay	Natural England
7	245m W	Sandwich & Pegwell Bay	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m

0

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

3

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Thanet	Groundwater	66	Existing

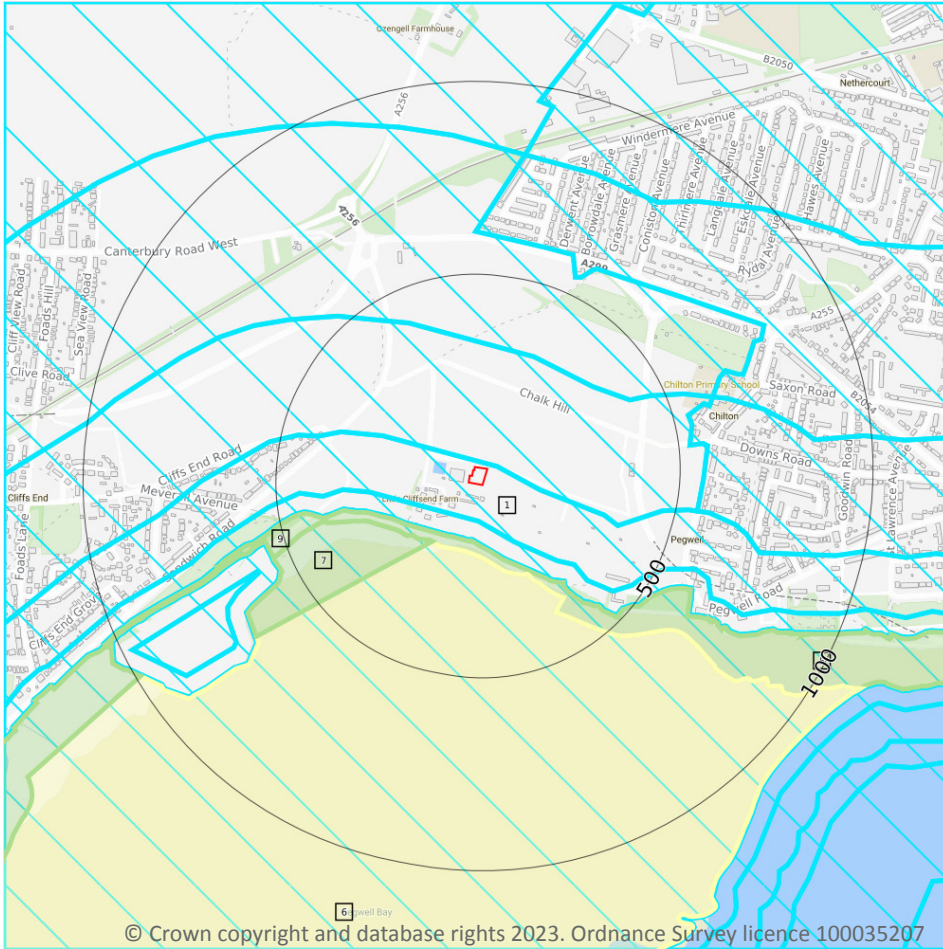


Location	Name	Type	NVZ ID	Status
1471m N	Thanet	Groundwater	66	Existing
1660m W	Thanet	Groundwater	66	Existing

This data is sourced from Natural England and Natural Resources Wales.



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site

1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 58**

ID	Location	Type of developments requiring consultation
1	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</p> <p>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha.</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any development that could cause air pollution or dust either in its construction or operation (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .</p> <p>Notes: Strategic solutions for recreational impacts are in place. please contact your local planning authority as they have the information to advise on specific requirements.</p>

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

6

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 58**

ID: 5
 Location: 147m S
 SSSI name: Sandwich Bay to Hacklinge Marshes
 Unit name: Pegwell Cliffs
 Broad habitat: Supralittoral Rock
 Condition: Favourable



Reportable features:

Feature name	Feature condition	Date of assessment
H1170 Reefs	Not Recorded	01/01/1900
H8330 Submerged or partially submerged sea caves	Not Recorded	01/01/1900

ID: 6
Location: 176m S
SSSI name: Sandwich Bay to Hacklinge Marshes
Unit name: Nnr Pegwell Bay
Broad habitat: Littoral Sediment
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Unfavourable - Recovering	07/12/2012
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Unfavourable - Recovering	07/12/2012
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Recovering	07/12/2012
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - Recovering	07/12/2012

ID: 7
Location: 179m SW
SSSI name: Sandwich Bay to Hacklinge Marshes
Unit name: Nnr Pegwell Saltmarsh North
Broad habitat: Littoral Sediment
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	21/11/2012
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	21/11/2012
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Favourable	21/11/2012
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Favourable	21/11/2012
Invert. assemblage M311 saltmarsh and transitional brackish marsh	Favourable	21/11/2012
SM4-28 - Saltmarsh	Favourable	21/11/2012
Vascular plant assemblage	Favourable	21/11/2012



ID: 9
Location: 382m W
SSSI name: Sandwich Bay to Hacklinge Marshes
Unit name: Cliffs Behind Pegwell Hoverport
Broad habitat: Earth Heritage
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
EC - Cenomanian-Maastrichtian	Favourable	21/10/2009
EC - Mesozoic - Tertiary Fish/Amphibia	Favourable	21/10/2009
EC - Palaeogene	Favourable	21/10/2009
EC - Quaternary of South-East England	Favourable	21/10/2009

ID: 14
Location: 988m SW
SSSI name: Sandwich Bay to Hacklinge Marshes
Unit name: Nnr Pegwell Saltmarsh South
Broad habitat: Littoral Sediment
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	21/11/2012
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	21/11/2012
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Favourable	21/11/2012
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Favourable	21/11/2012
Invert. assemblage M311 saltmarsh and transitional brackish marsh	Favourable	21/11/2012
SM4-28 - Saltmarsh	Favourable	10/11/2020
Vascular plant assemblage	Favourable	21/11/2012

ID: -
Location: 1452m S
SSSI name: Sandwich Bay to Hacklinge Marshes
Unit name: Nnr Sandwich Flats North
Broad habitat: Littoral Sediment
Condition: Favourable

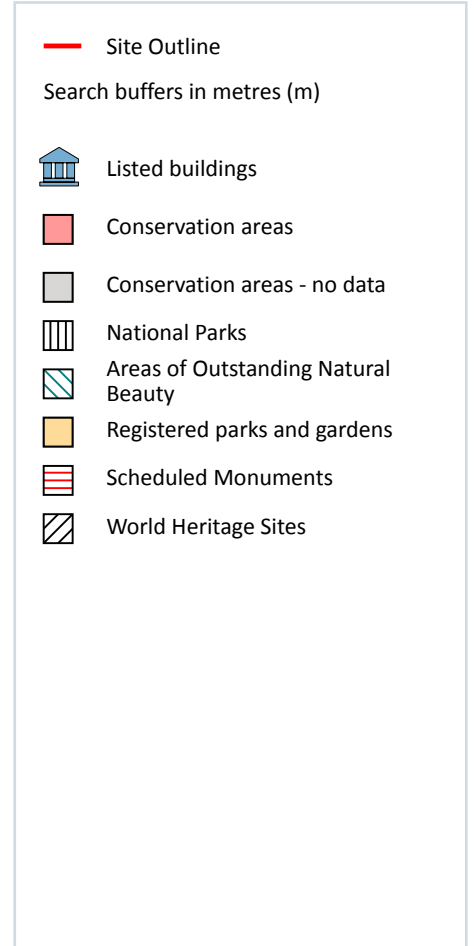


Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	19/11/2012
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	19/11/2012
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Favourable	19/11/2012
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Favourable	19/11/2012

This data is sourced from Natural England and Natural Resources Wales.

11 Visual and cultural designations



11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m**0**

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m**0**

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m**1**

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on **page 63**

ID	Location	Name	Grade	Reference Number	Listed date
2	86m SW	Eastern of Two Concrete Second World War 4-inch Gun Emplacements, Ramsgate, Thanet, Kent, CT12	II	1429581	08/12/2015

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



11.5 Conservation Areas

Records within 250m

1

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

Features are displayed on the Visual and cultural designations map on **page 63**

ID	Location	Name	District	Date of designation
1	On site	The Local Authority for this area have not supplied conservation area data.		-

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.7 Registered Parks and Gardens

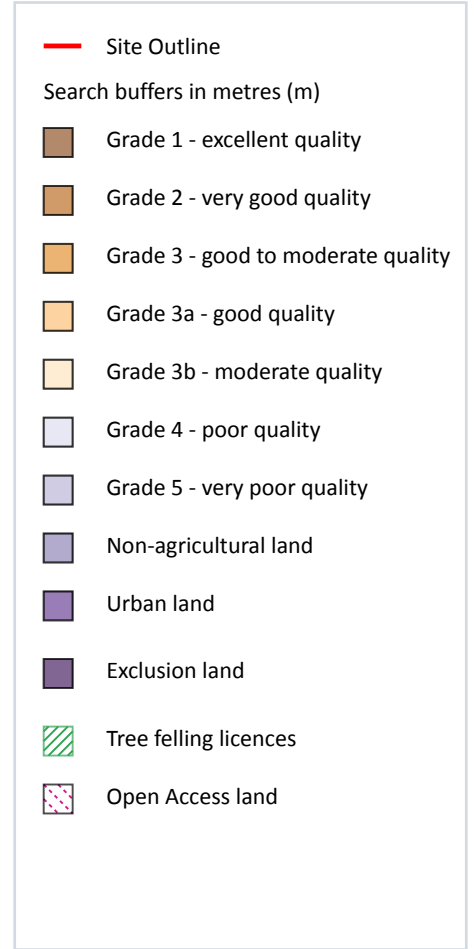
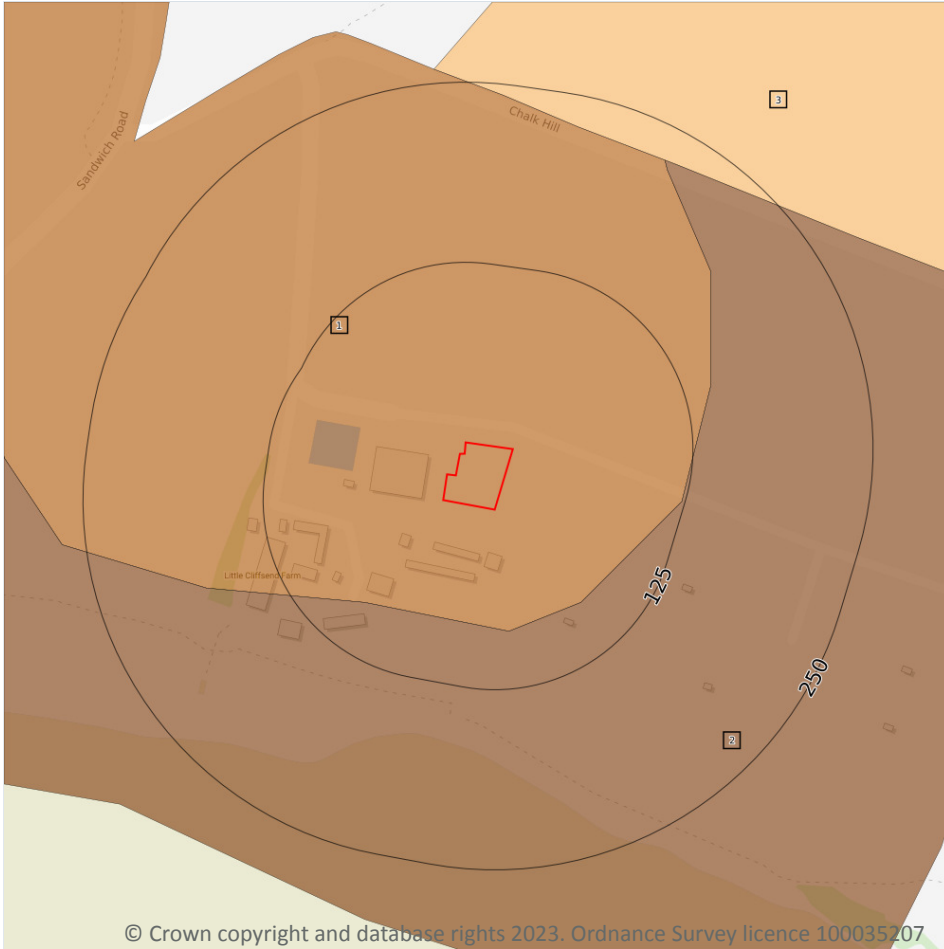
Records within 250m

0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12 Agricultural designations



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12.1 Agricultural Land Classification

Records within 250m

3

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 66**

ID	Location	Classification	Description
1	On site	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.
2	80m SW	Grade 1	Excellent quality agricultural land. Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality.
3	225m NE	Grade 3a	Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m

0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.



This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

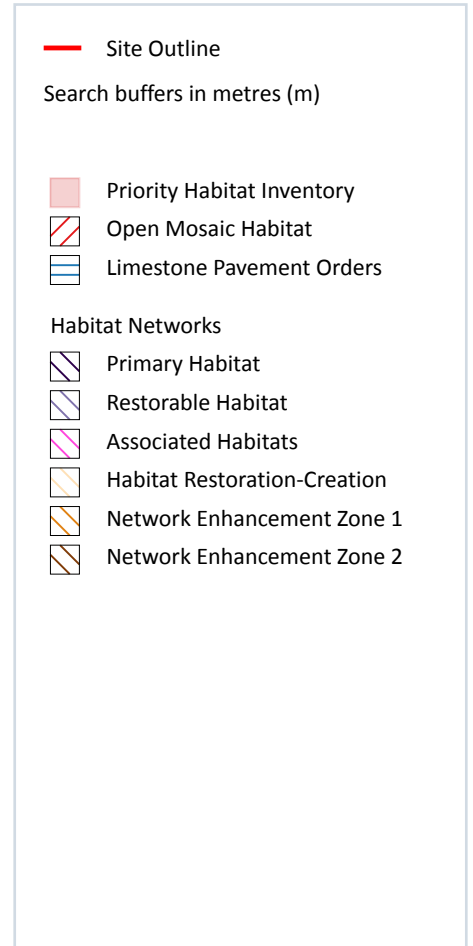
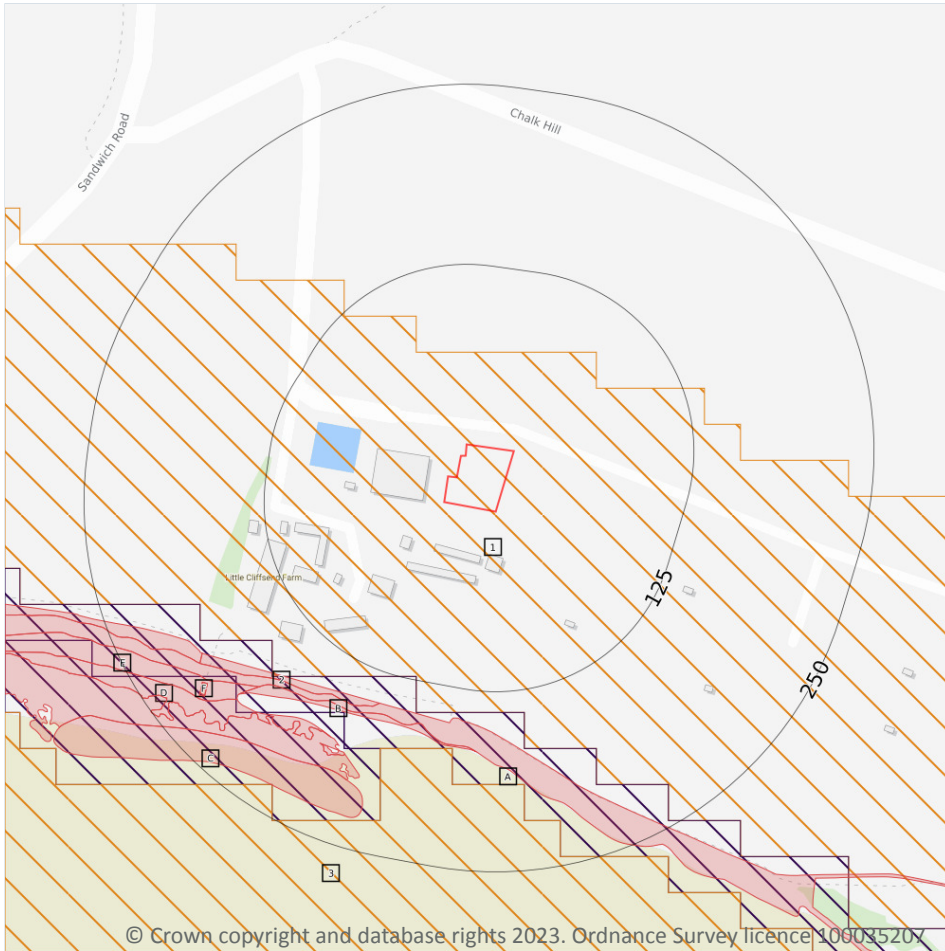
0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

12

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 69**

ID	Location	Main Habitat	Other habitats
A	146m S	Maritime cliff and slope	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); MCSLP (INV > 50%)
2	147m SW	Maritime cliff and slope	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); MCSLP (INV > 50%)

ID	Location	Main Habitat	Other habitats
B	153m S	Maritime cliff and slope	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); MCSLP (INV > 50%)
D	179m SW	No main habitat but additional habitats present	Additional: SALT (ENSIS L2)
B	180m SW	No main habitat but additional habitats present	Additional: SALT (ENSIS L2)
D	180m SW	Coastal saltmarsh	Main habitat: SALT (INV > 50%)
E	182m SW	No main habitat but additional habitats present	Additional: SALT (ENSIS L2)
B	187m SW	Coastal saltmarsh	Main habitat: SALT (INV > 50%)
E	198m SW	Maritime cliff and slope	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); MCSLP (INV > 50%)
C	202m SW	Coastal saltmarsh	Main habitat: SALT (INV > 50%)
F	207m SW	Maritime cliff and slope	Main habitat: MCSLP (INV > 50%)
F	213m SW	No main habitat but additional habitats present	Additional: SALT (ENSIS L2)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

4

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on **page 69**

ID	Location	Type	Habitat
1	On site	Network Enhancement Zone 1	Not specified
A	123m S	Primary Habitat	Maritime cliff and slope
C	162m SW	Primary Habitat	Saltmarsh
3	167m S	Network Enhancement Zone 1	Not specified

This data is sourced from Natural England.



13.3 Open Mosaic Habitat

Records within 250m

0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 72**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	No coverage	No coverage	No coverage	NoCov

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground

14.2 Artificial and made ground (10k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 76**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	EW274_ramsgate_v4

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Artificial and made ground

15.2 Artificial and made ground (50k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m

0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

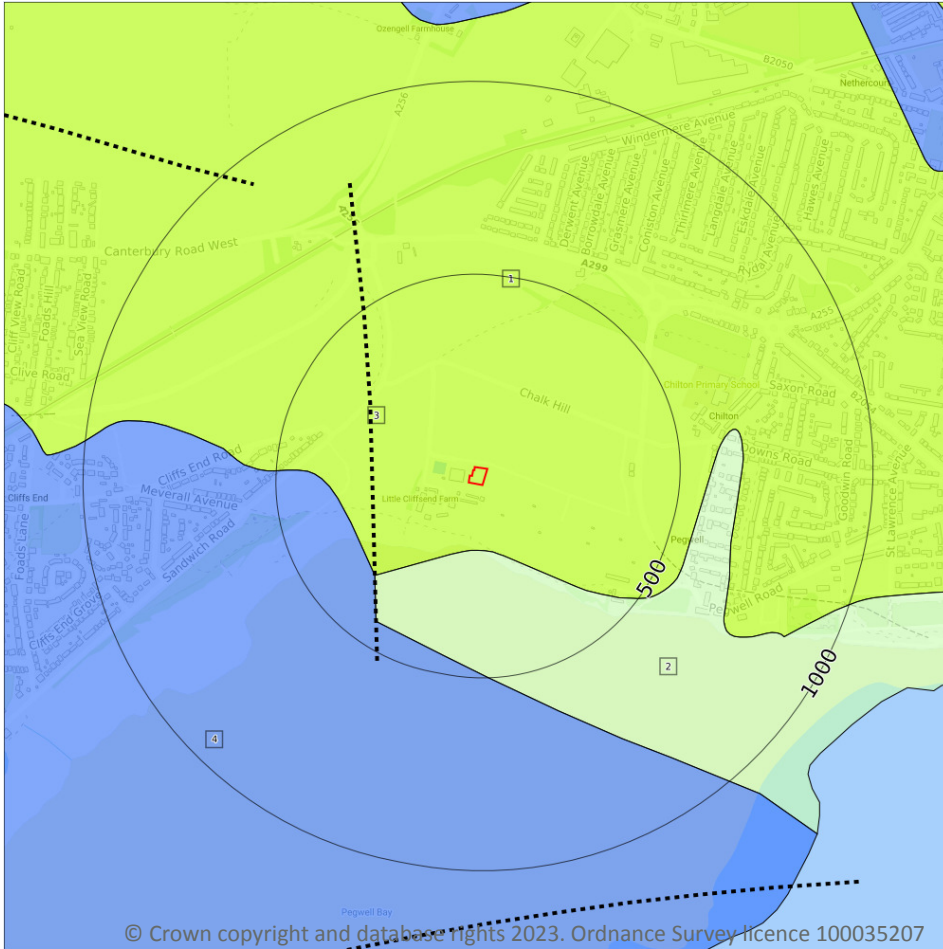
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

3

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 80**

ID	Location	LEX Code	Description	Rock age
1	On site	MACK-CHLK	MARGATE CHALK MEMBER - CHALK	SANTONIAN
2	170m S	SECK-CHLK	SEAFORD CHALK FORMATION - CHALK	CONIACIAN
4	321m SW	TAB-XSZC	THANET FORMATION - SAND, SILT AND CLAY	THANETIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Very High	Very High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

1

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 80**

ID	Location	Category	Description
3	250m W	FAULT	Fault, inferred, displacement unknown

This data is sourced from the British Geological Survey.

16 Boreholes



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

2

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

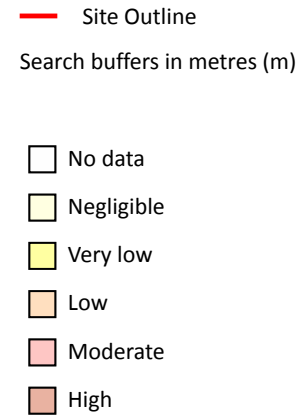
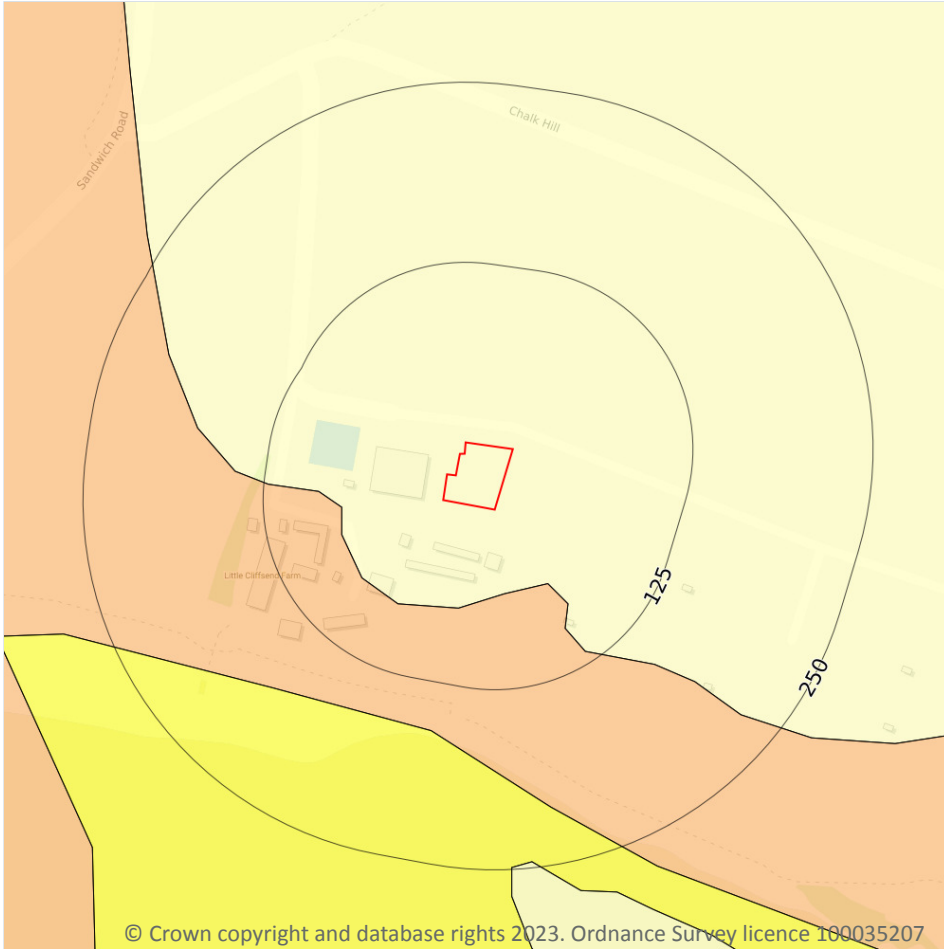
Features are displayed on the Boreholes map on **page 82**

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	245m W	635511 164398	LITTLE CLIFFSEND FARM PEGWELL BAY 6	4.0	N	19293035
A	248m W	635504 164410	LITTLE CLIFFSEND FARM PEGWELL BAY 1	5.0	N	19293033

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

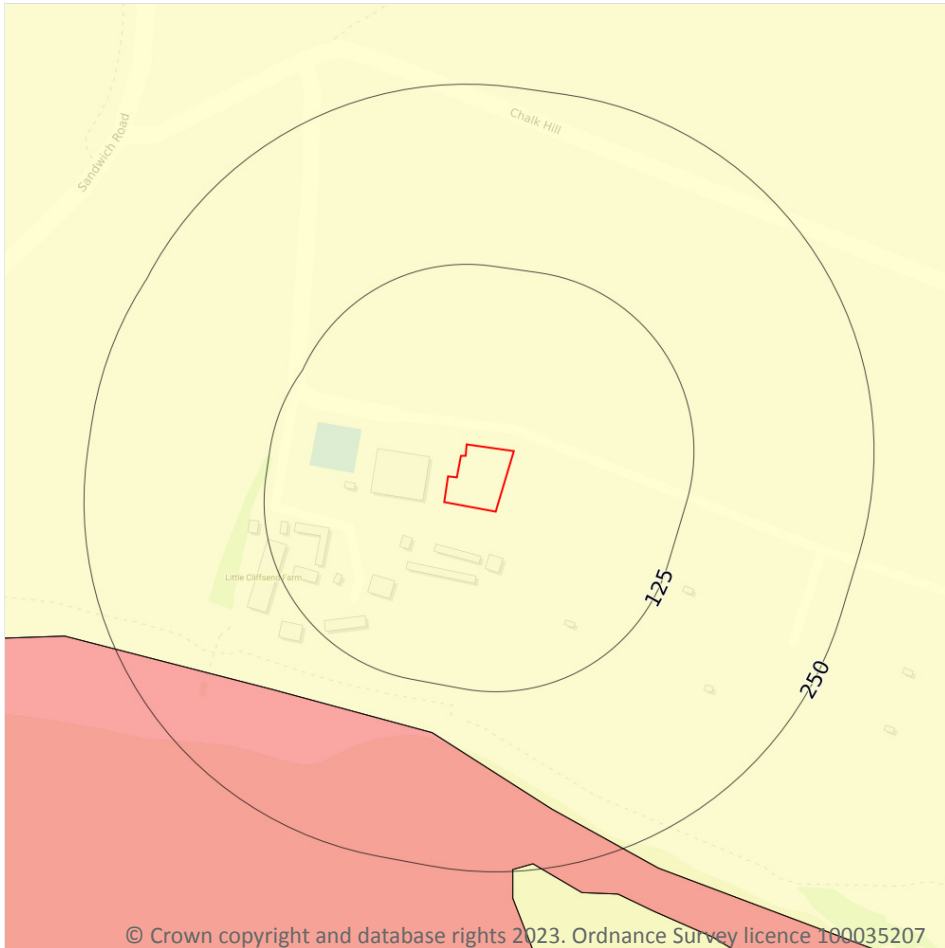
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 83**

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

1

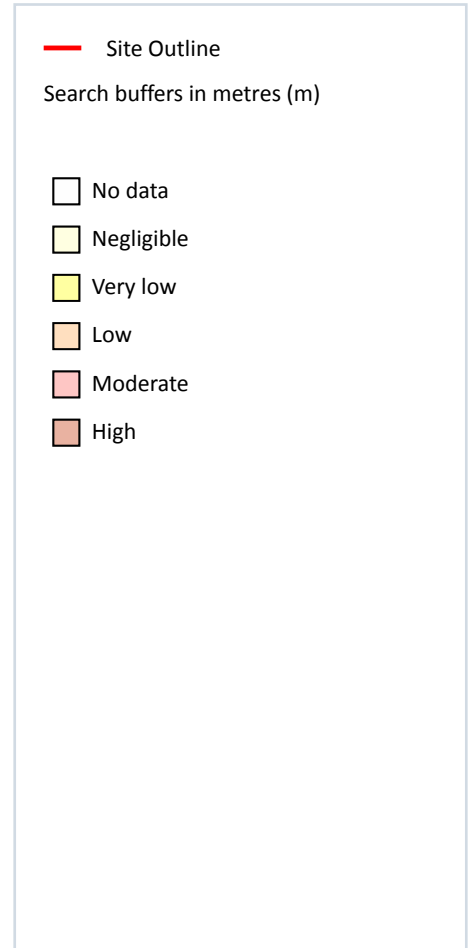
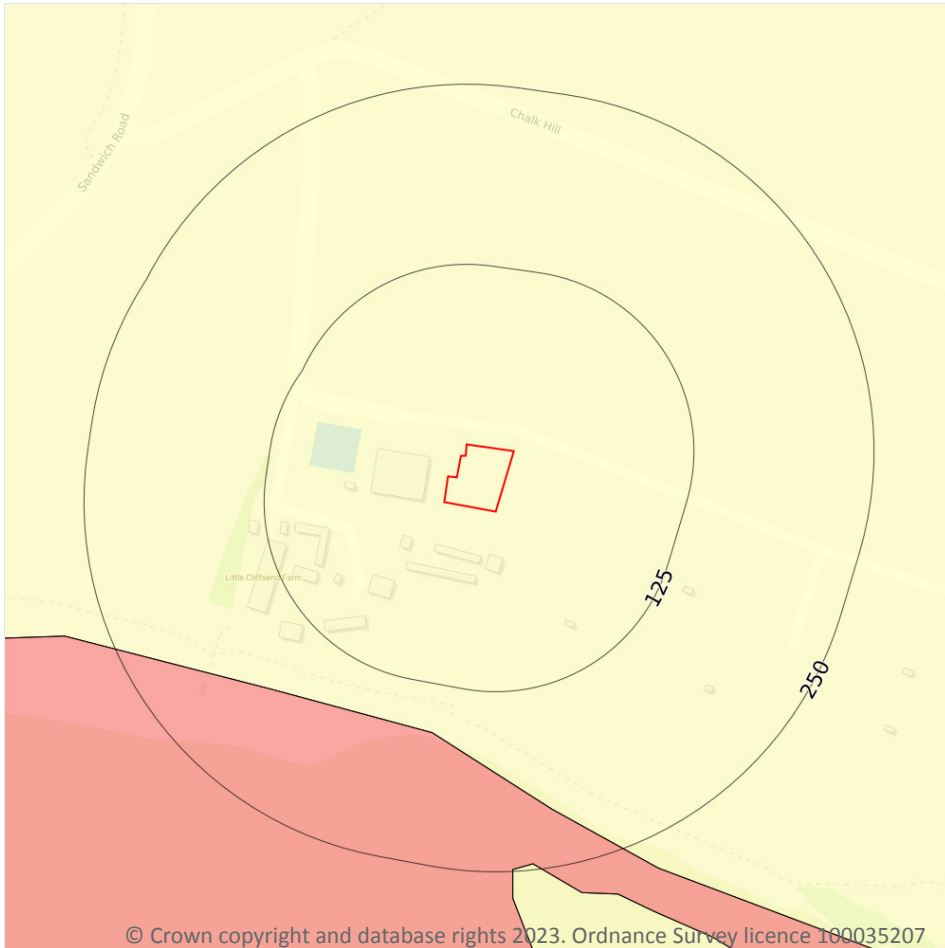
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 84**

Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

1

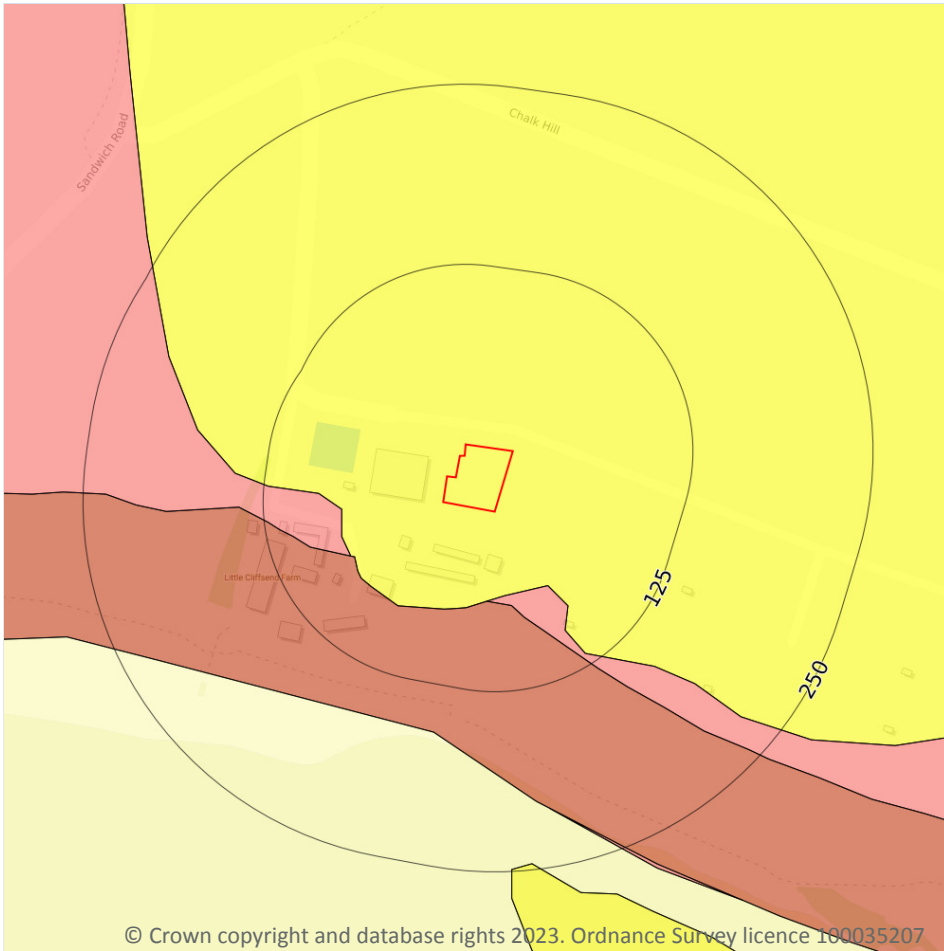
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 85**

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

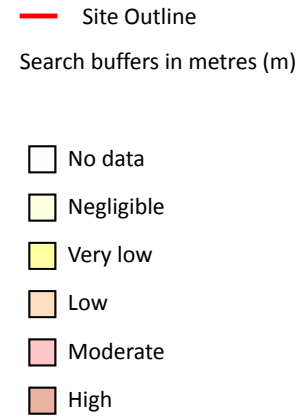
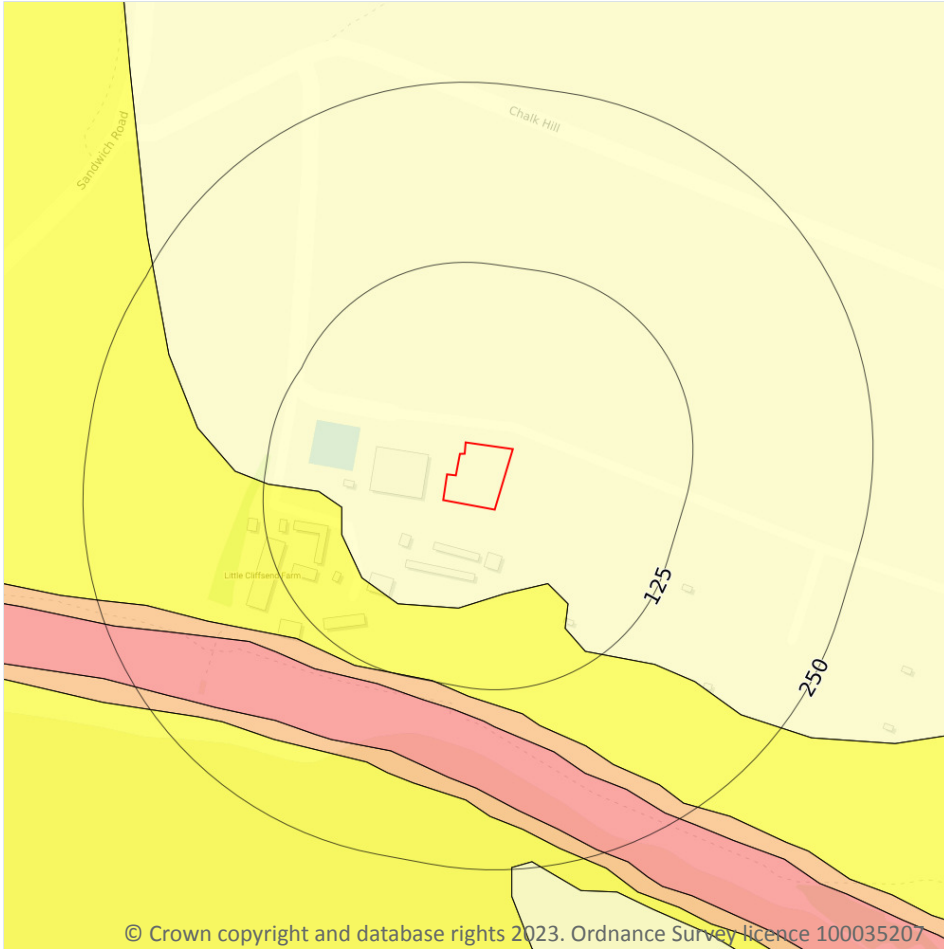
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 86**

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



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17.5 Landslides

Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

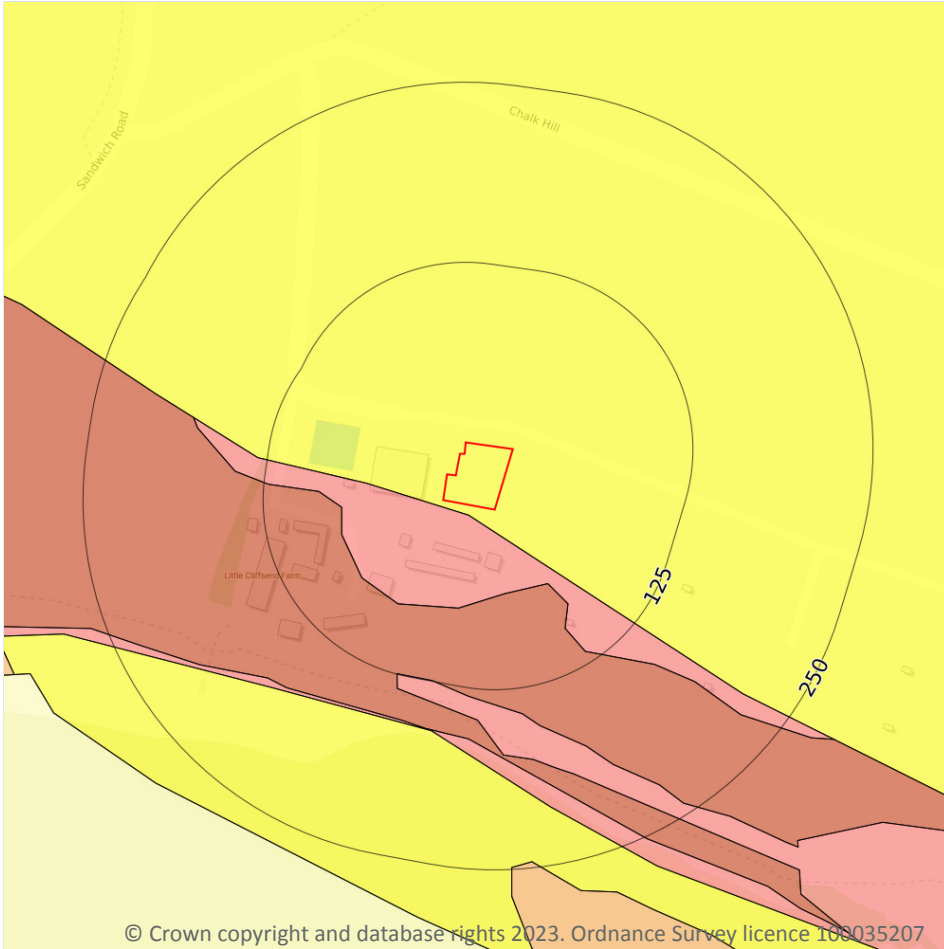
Features are displayed on the Natural ground subsidence - Landslides map on **page 87**

Location	Hazard rating	Details
On site	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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17.6 Ground dissolution of soluble rocks

Records within 50m

2

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 88**

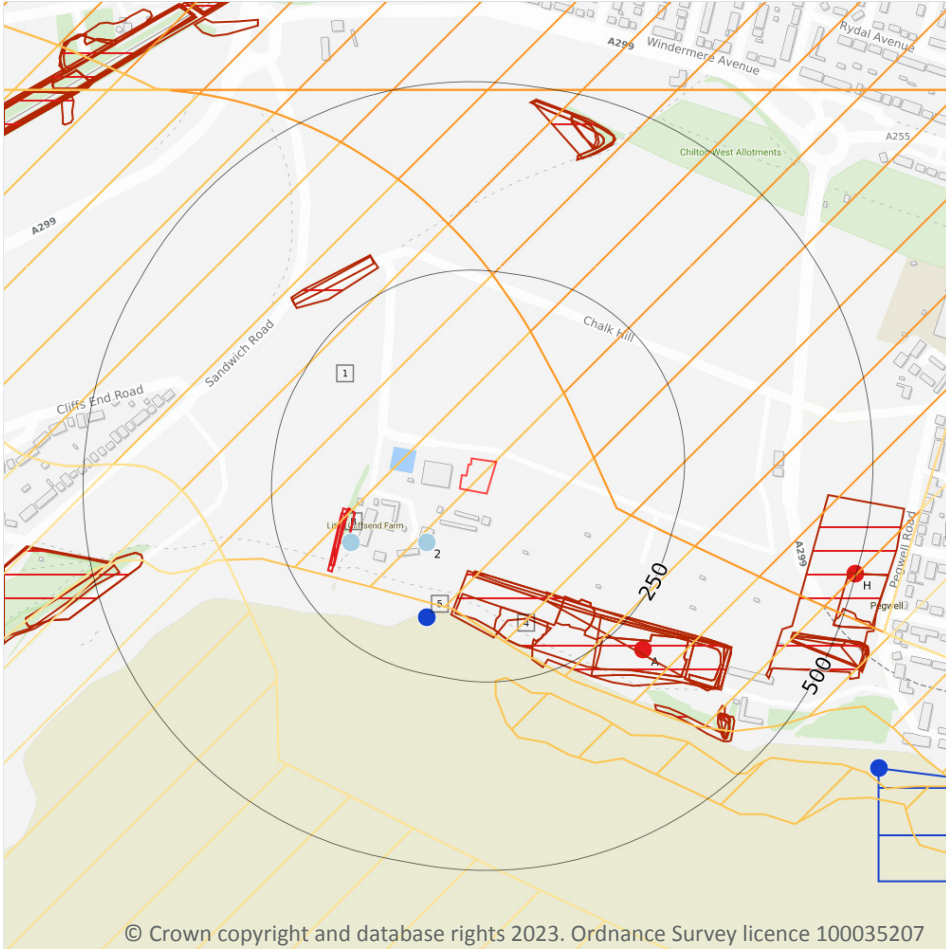
Location	Hazard rating	Details
On site	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.

Location	Hazard rating	Details
5m SW	Moderate	Soluble rocks are present within the ground. Many dissolution features may be present. Potential for difficult ground conditions are at a level where they should be considered. Potential for subsidence is at a level where it may need to be considered.

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



18.1 Natural cavities

Records within 500m

1

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

Features are displayed on the Mining, ground workings and natural cavities map on **page 90**

ID	Location	Details	Source
5	176m S	Type: Solution Pipe x 3 Superficial Geology: Brickearth/head Bedrock Geology: Chalk Group	Simple Bibliography: - Full Bibliography: OSBORNE-WHITE, H.J., The geology of the country near Ramsgate and Dover., HMSO, London., 1928; British Geological Survey Memoir (Sheets 274 and 290) Confidentiality: Data source can be revealed, data can be used freely

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m	2
----------------------------	----------

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining, ground workings and natural cavities map on **page 90**

ID	Location	Details	Description
A	293m SE	Name: Pegwell Brick Fields Address: Pegwell, RAMSGATE, Kent Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
H	498m E	Name: Pegwell Brick Works Address: Pegwell, RAMSGATE, Kent Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m	9
----------------------------	----------

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 90**



ID	Location	Land Use	Year of mapping	Mapping scale
A	104m S	Unspecified Ground Workings	1931	1:10560
A	104m S	Unspecified Ground Workings	1905	1:10560
A	105m S	Brick Works	1897	1:10560
A	137m S	Brick Fields	1872	1:10560
4	152m S	Unspecified Pit	1872	1:10560
A	153m SE	Unspecified Pit	1905	1:10560
A	172m SE	Unspecified Pit	1872	1:10560
A	222m SE	Unspecified Pit	1897	1:10560
A	245m SE	Unspecified Pit	1872	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

5

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining, ground workings and natural cavities map on **page 90**

ID	Location	Land Use	Year of mapping	Mapping scale
B	143m W	Disused Tunnel	1990	1:10000
B	143m W	Disused Tunnel	1975	1:10000
B	143m W	Disused Tunnel	1969	1:10560
B	152m W	Tunnel	1948	1:10560
B	156m W	Tunnel	1959	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.



This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

14

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining, ground workings and natural cavities map on **page 90**

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Chalk	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
3	120m NE	Not available	Chalk	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
6	321m SW	Not available	Sand	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
7	325m W	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
8	489m N	Not available	Chalk	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
9	558m E	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
10	635m NW	Not available	Chalk	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered



ID	Location	Name	Commodity	Class	Likelihood
-	744m W	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
-	756m W	Not available	Chalk	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
-	803m W	Not available	Sand	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
-	889m NE	Not available	Chalk	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
-	890m NE	Not available	Chalk	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
-	904m NW	Not available	Chalk	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
-	975m NW	Not available	Chalk	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m

2

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

Features are displayed on the Mining, ground workings and natural cavities map on **page 90**



ID	Location	Mine Address	Mineral	Data source	Publisher
2	84m SW	Frank Illingworths Tunnel, Pegwell Bay, Kent	Man made i.e. secret tunnels, air raid shelters	Kent and East Sussex Underground	Meresborough Books
B	161m SW	Seaweed Tunnel, Pegwell Bay, Kent	Man made i.e. secret tunnels, air raid shelters	Subterranea Britannica (online)	-

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site	0
------------------------	----------

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site	0
------------------------	----------

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	0
------------------------	----------

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.11 Gypsum areas

Records on site	0
------------------------	----------

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.



18.12 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

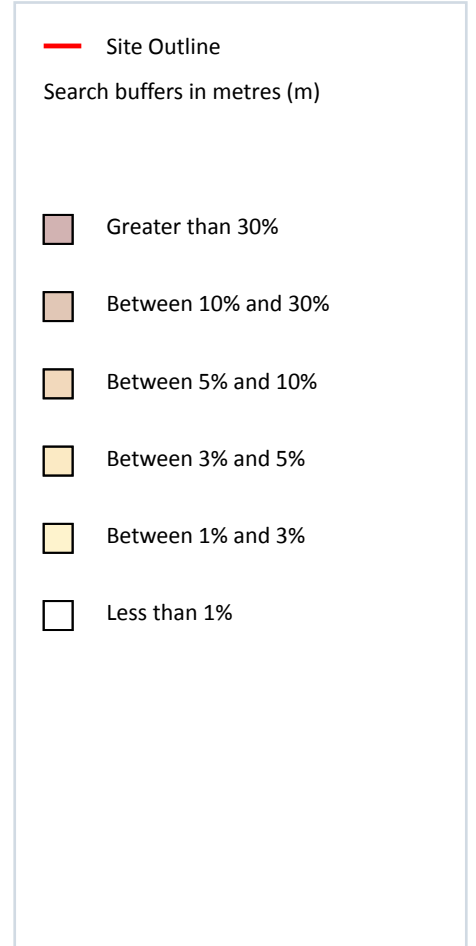
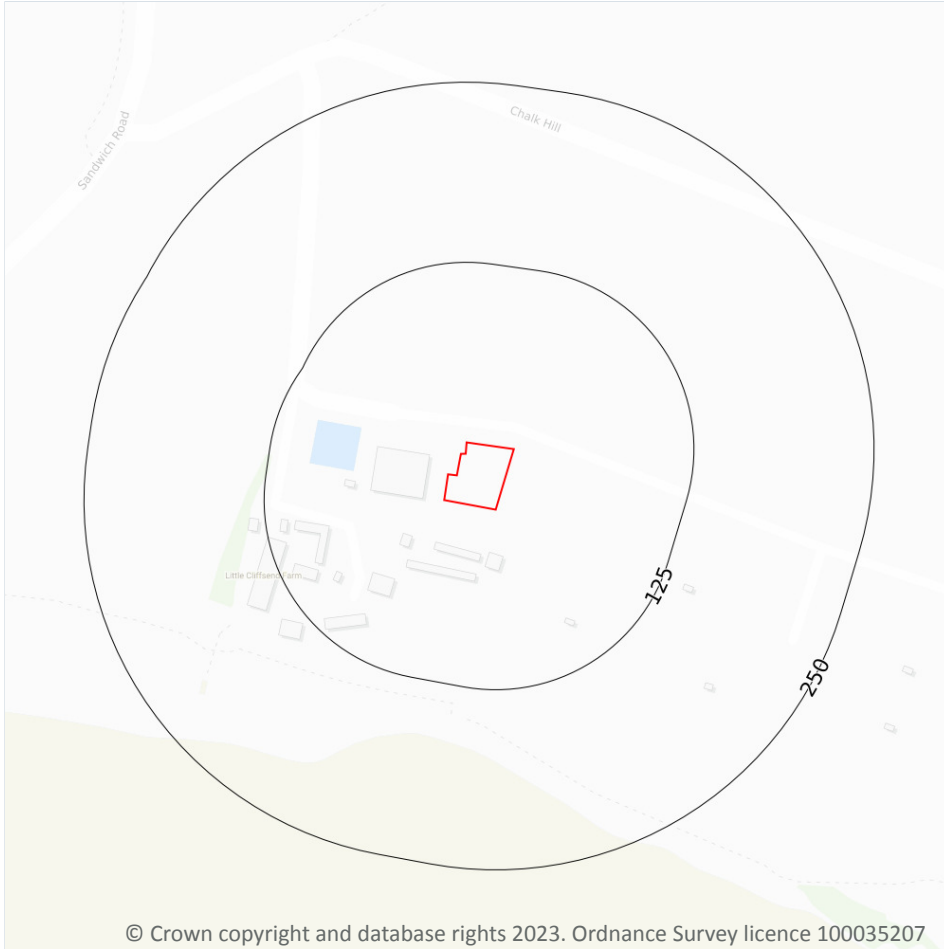
18.13 Clay mining

Records on site	0
-----------------	---

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Radon



19.1 Radon

Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on **page 97**

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None

This data is sourced from the British Geological Survey and UK Health Security Agency.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

2

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

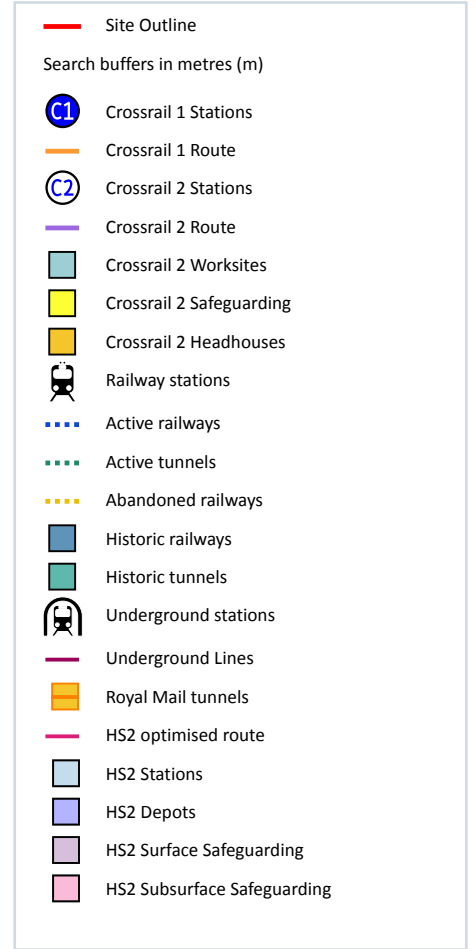
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The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



21.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

12

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 100**

Location	Land Use	Year of mapping	Mapping scale
142m W	Tunnel	1972	2500
143m W	Disused Tunnel	1990	10000
143m W	Disused Tunnel	1969	10560
143m W	Disused Tunnel	1975	10000
152m W	Tunnel	1948	10560
156m W	Tunnel	1959	10560
167m W	Tunnel	1907	2500
167m W	Tunnel	1938	2500
171m SW	Disused Tunnel	1961	2500
171m SW	Tunnel	1993	2500
172m SW	Tunnel	1981	2500
179m SW	Tunnel	1931	2500

This data is sourced from Ordnance Survey/Groundsure.



21.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m

0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.



21.10 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



Data providers

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Site Details:

LITTLE CLIFFSEND FARM
HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: County Series

Map date: 1873

Scale: 1:2,500

Printed at: 1:2,500



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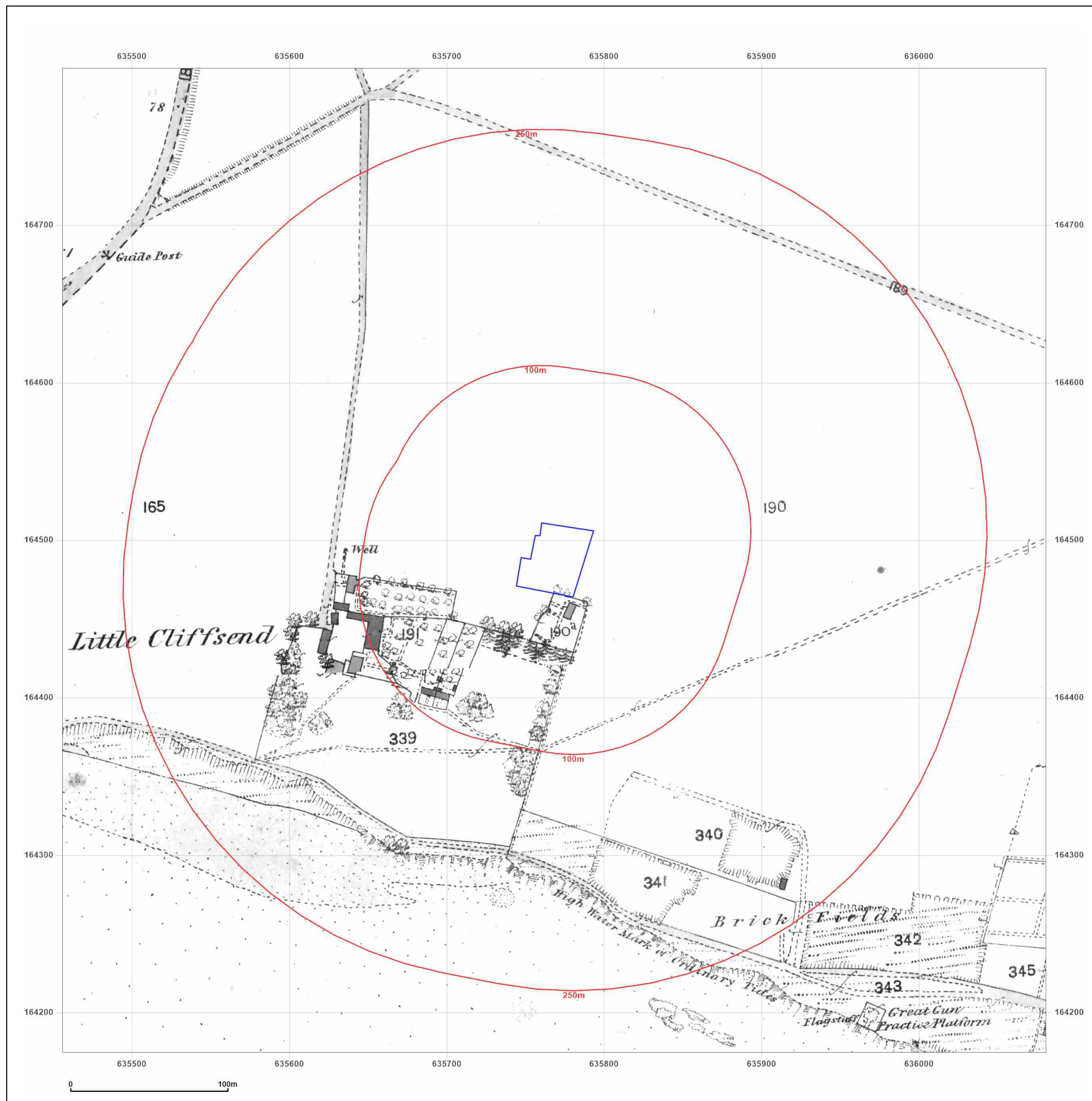
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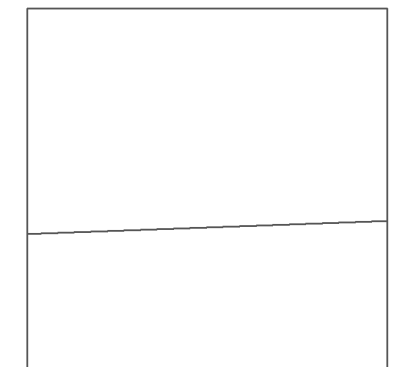
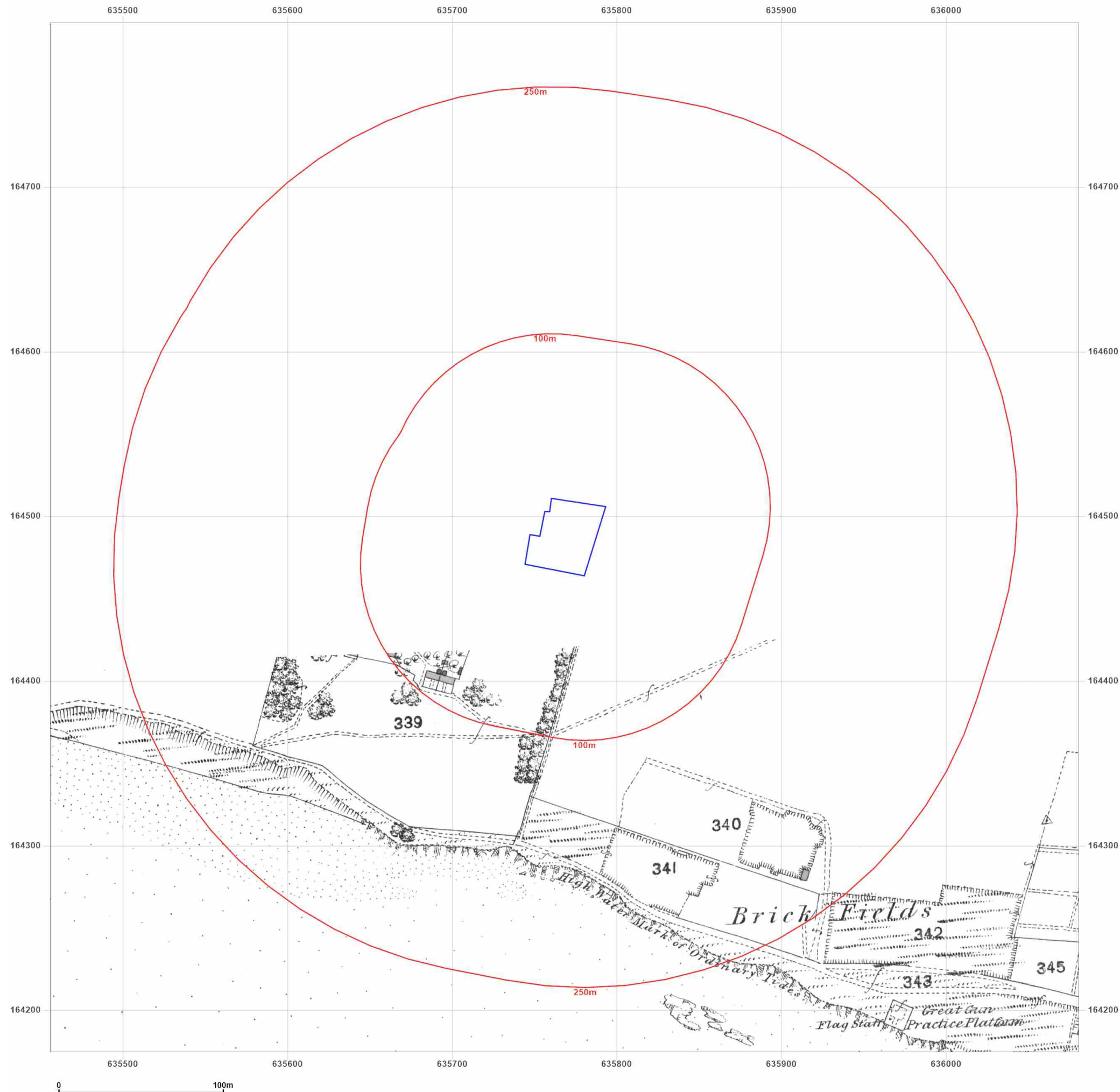
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Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

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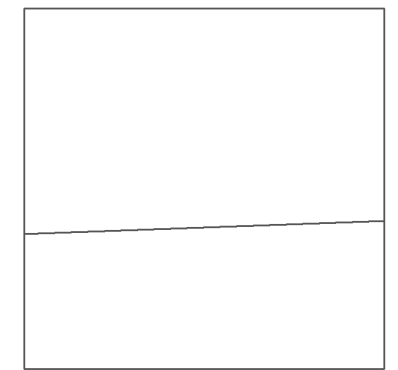
Map date: 1898

Scale: 1:2,500

Printed at: 1:2,500



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Edition N/A
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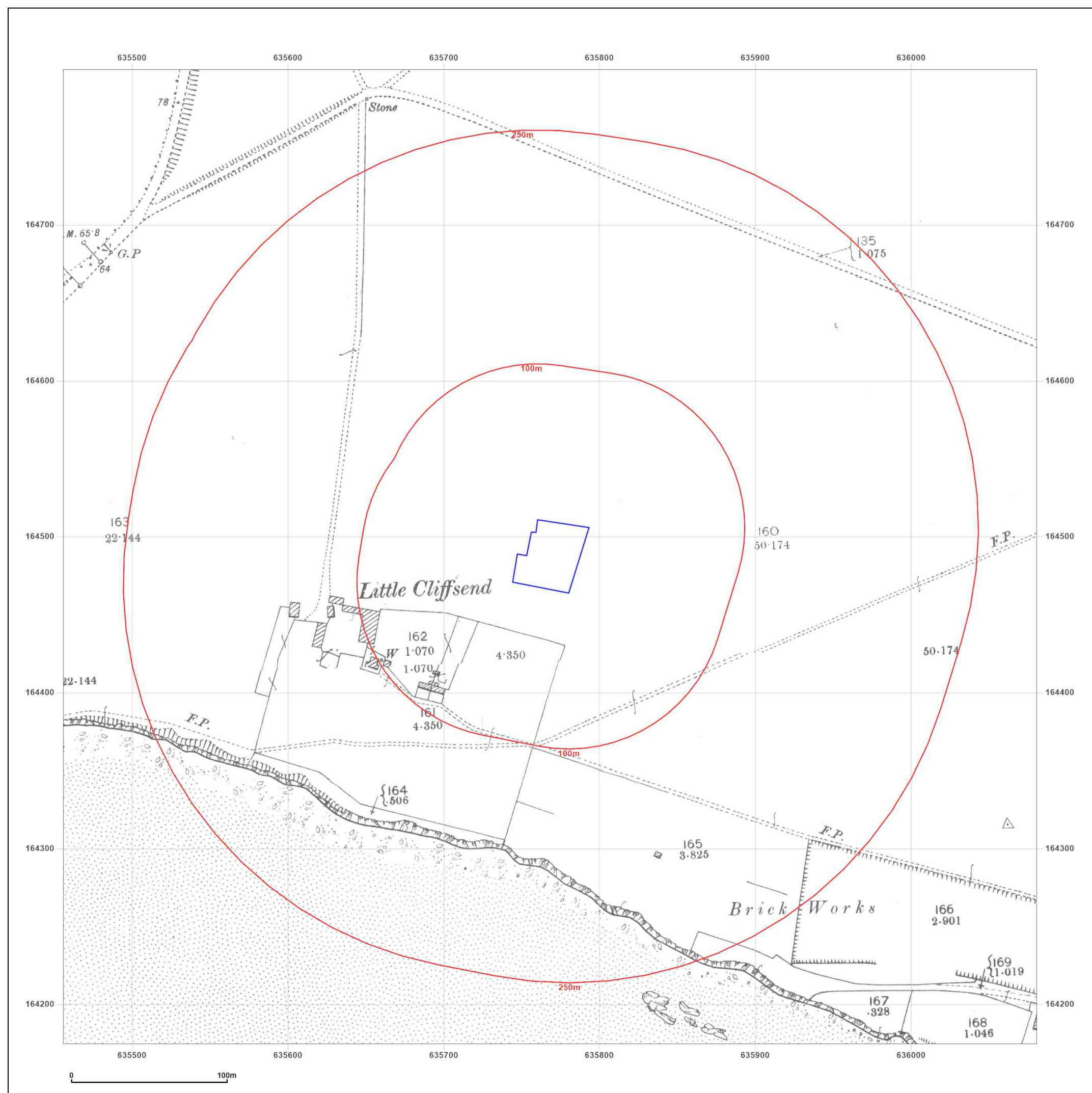
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Site Details:

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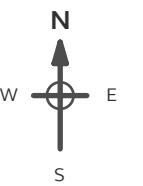
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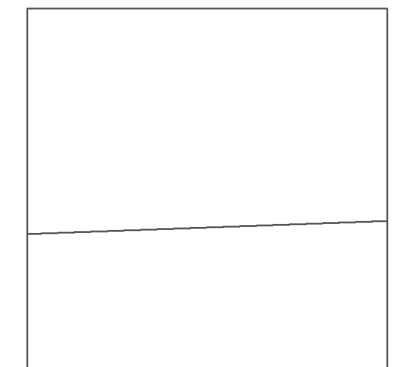
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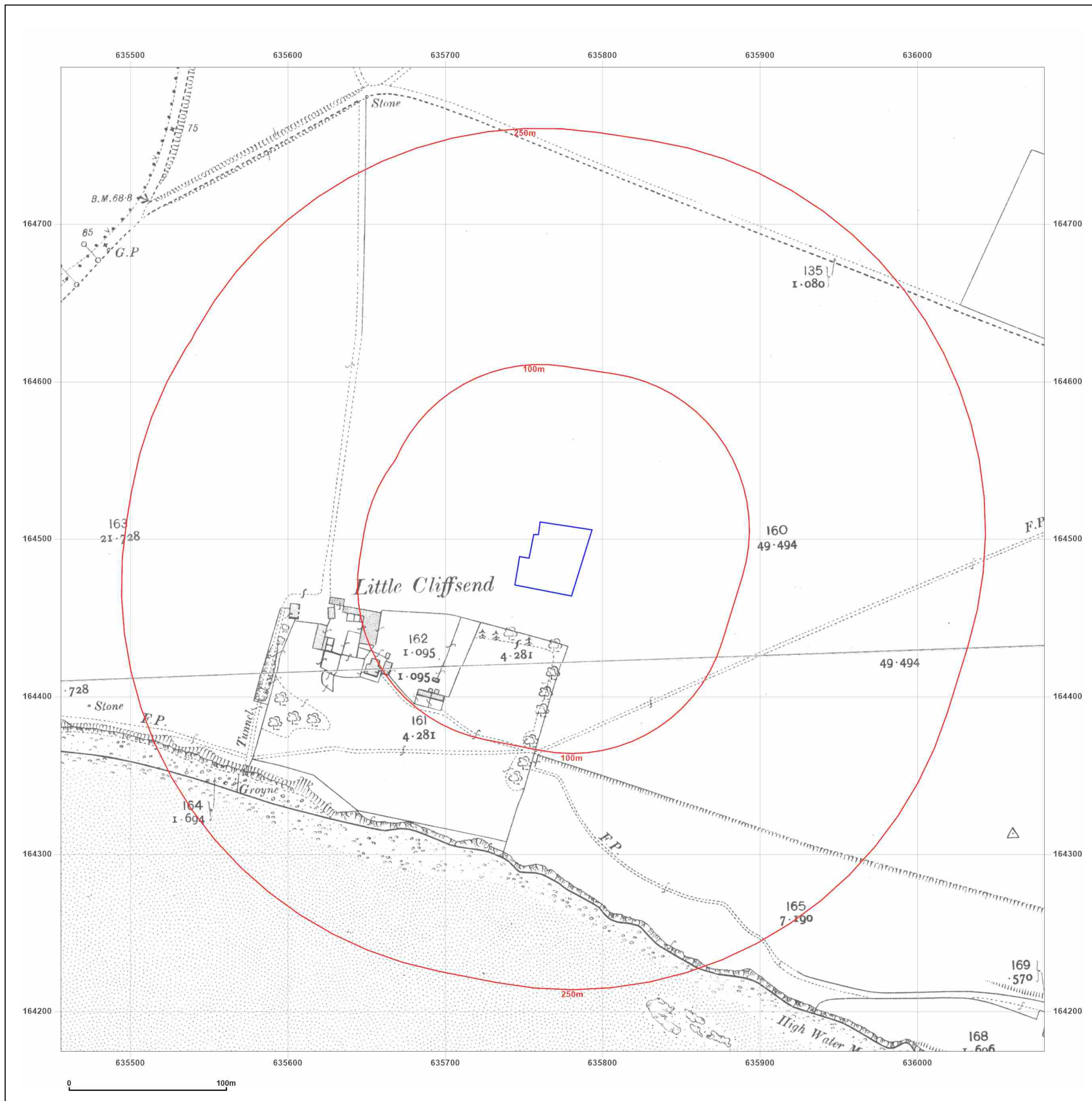
Printed at: 1:2,500



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HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

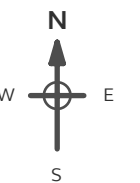
Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: County Series

Map date: 1931

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1931
Revised 1931
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1931
Revised 1931
Edition N/A
Copyright N/A
Levelled N/A



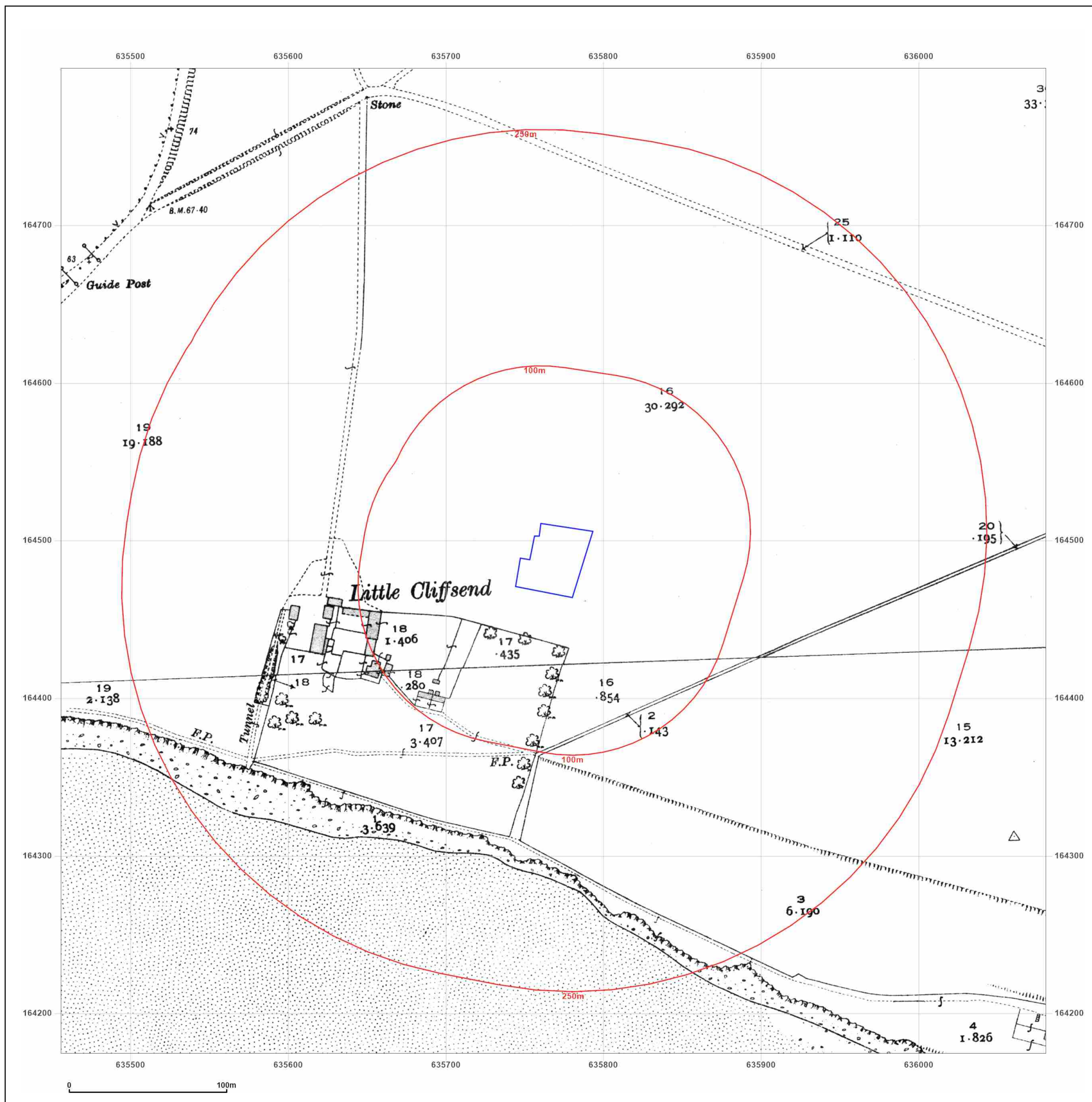
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Site Details:

LITTLE CLIFFSEND FARM
HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: County Series

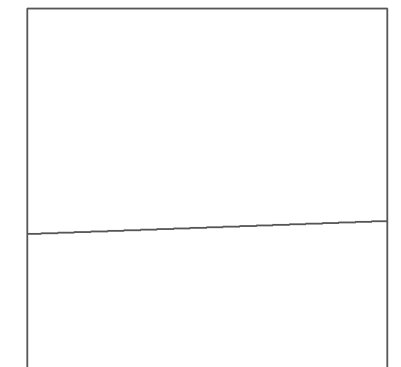
Map date: 1938

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1938
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1938
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A



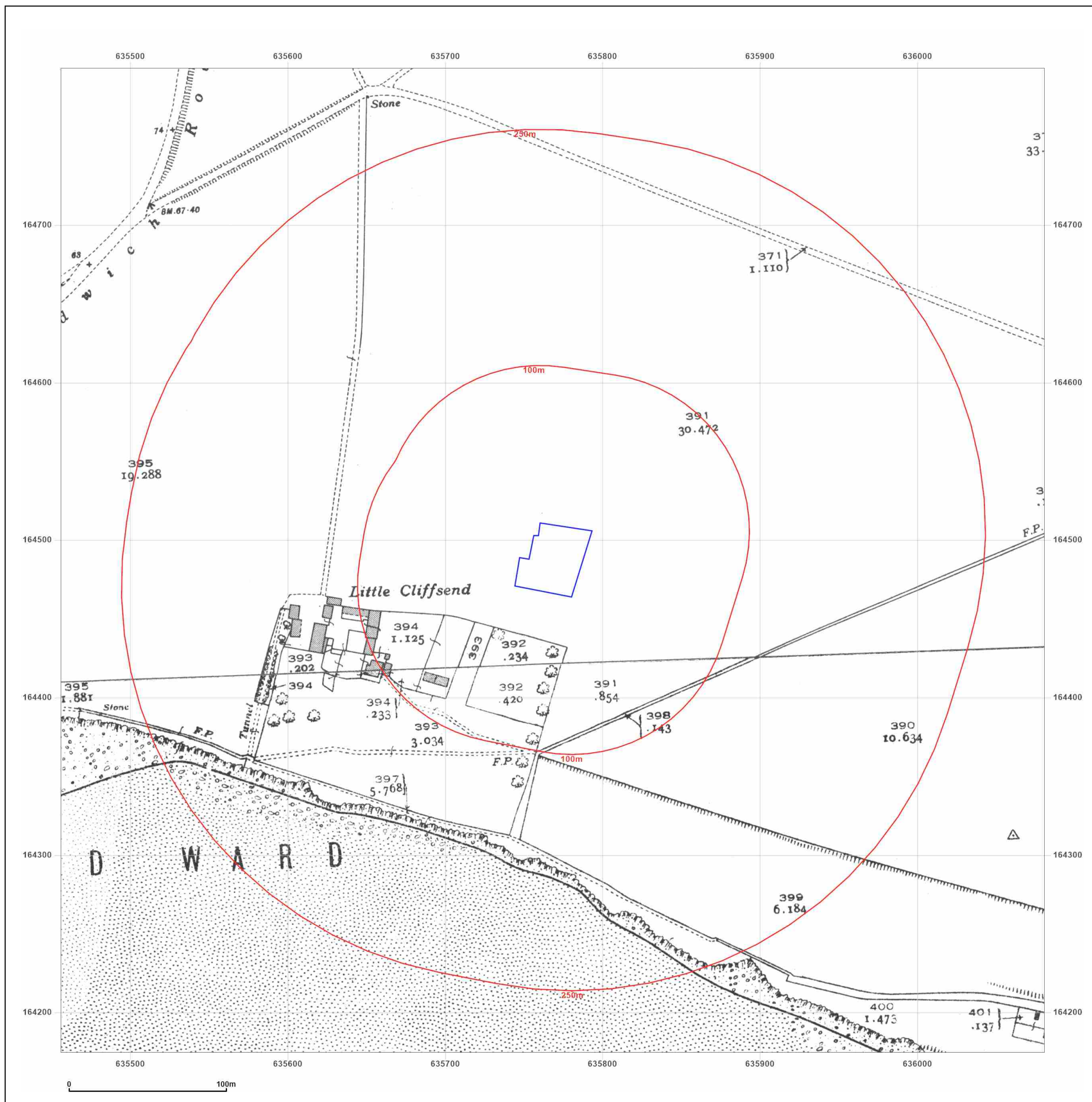
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Site Details:

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HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: National Grid

Map date: 1963

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1961
Revised 1961
Edition N/A
Copyright 1963
Levelled 1952



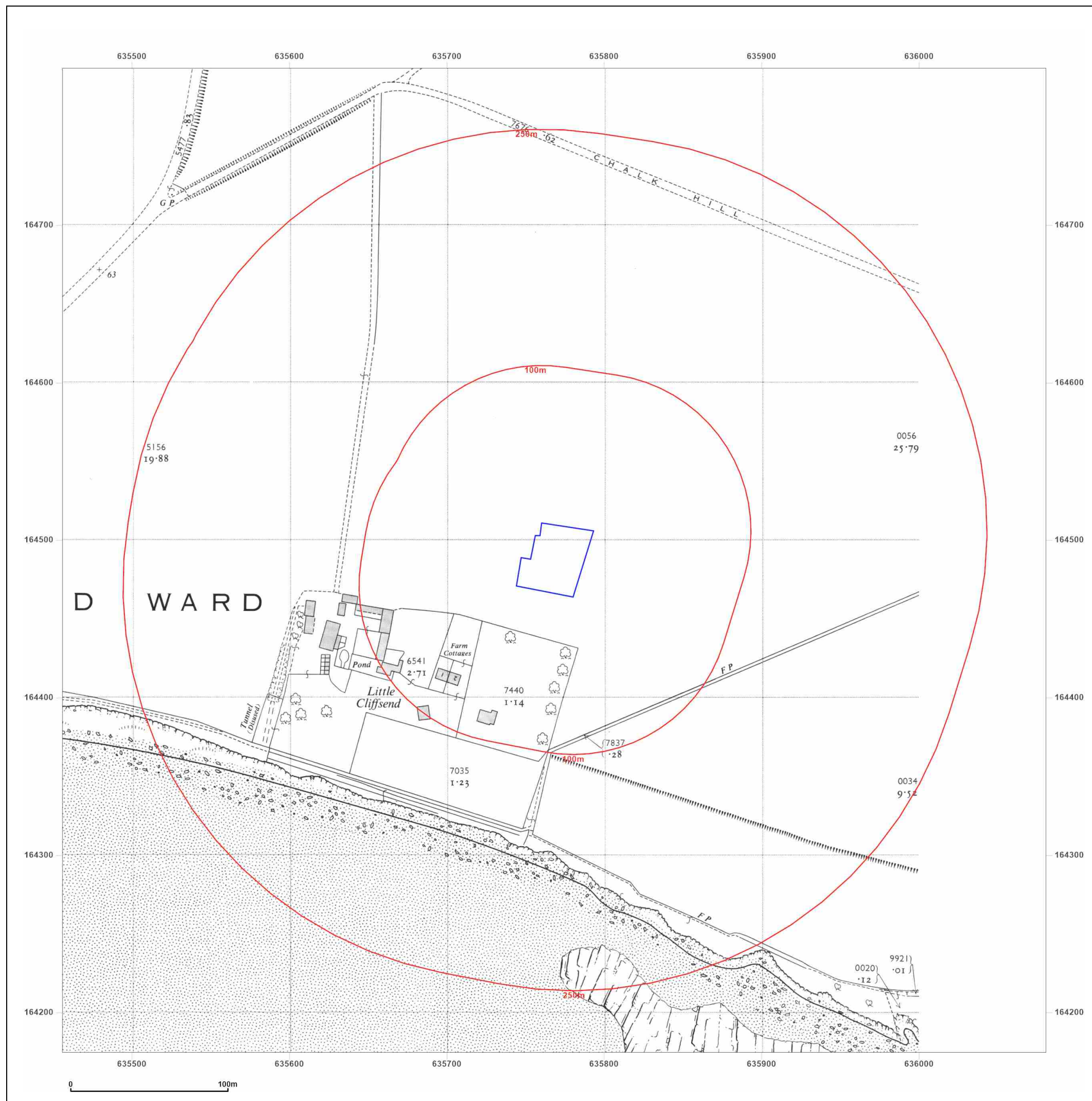
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Site Details:

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HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: National Grid

Map date: 1973

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



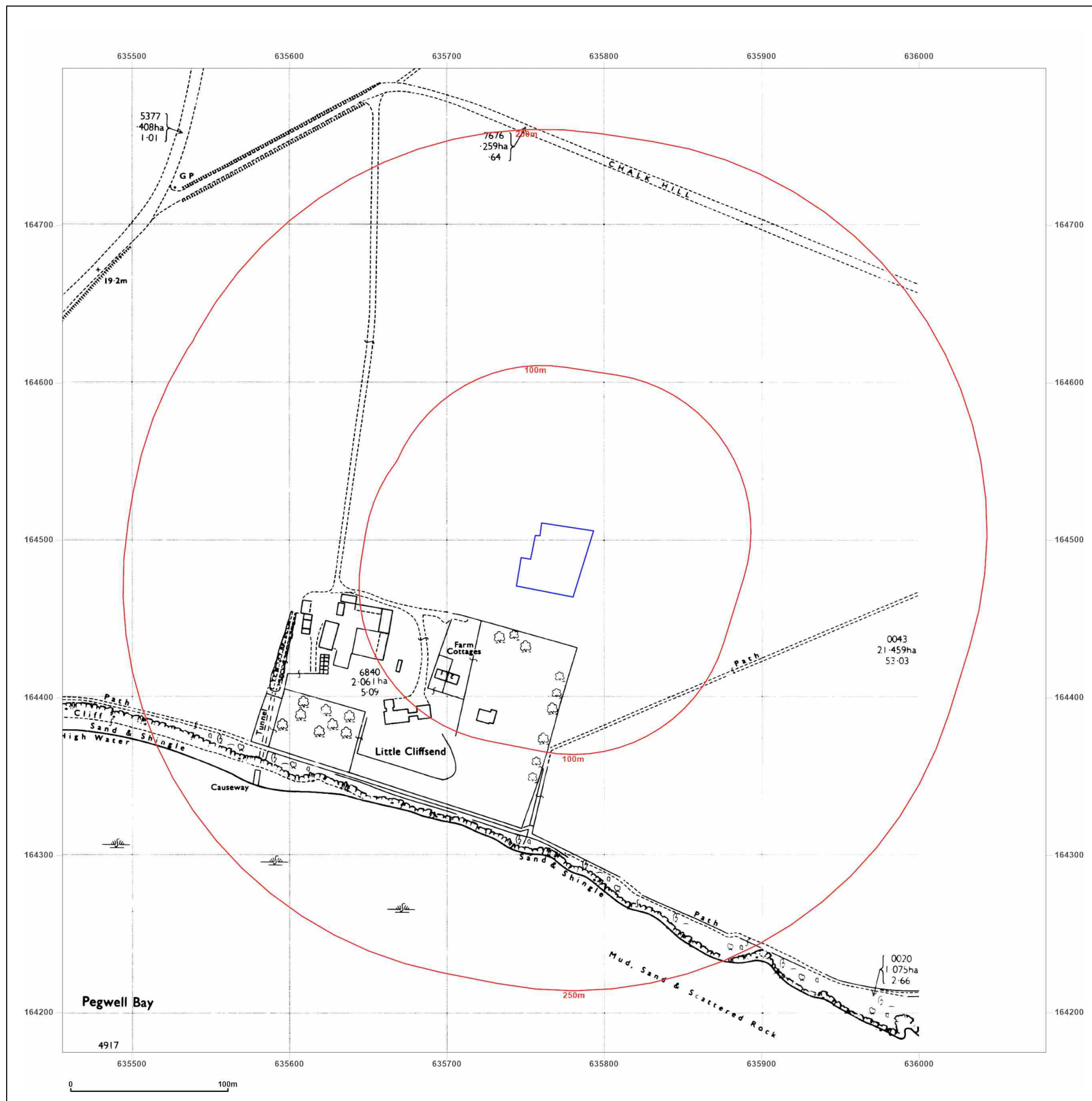
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Site Details:

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HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: National Grid

Map date: 1975

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



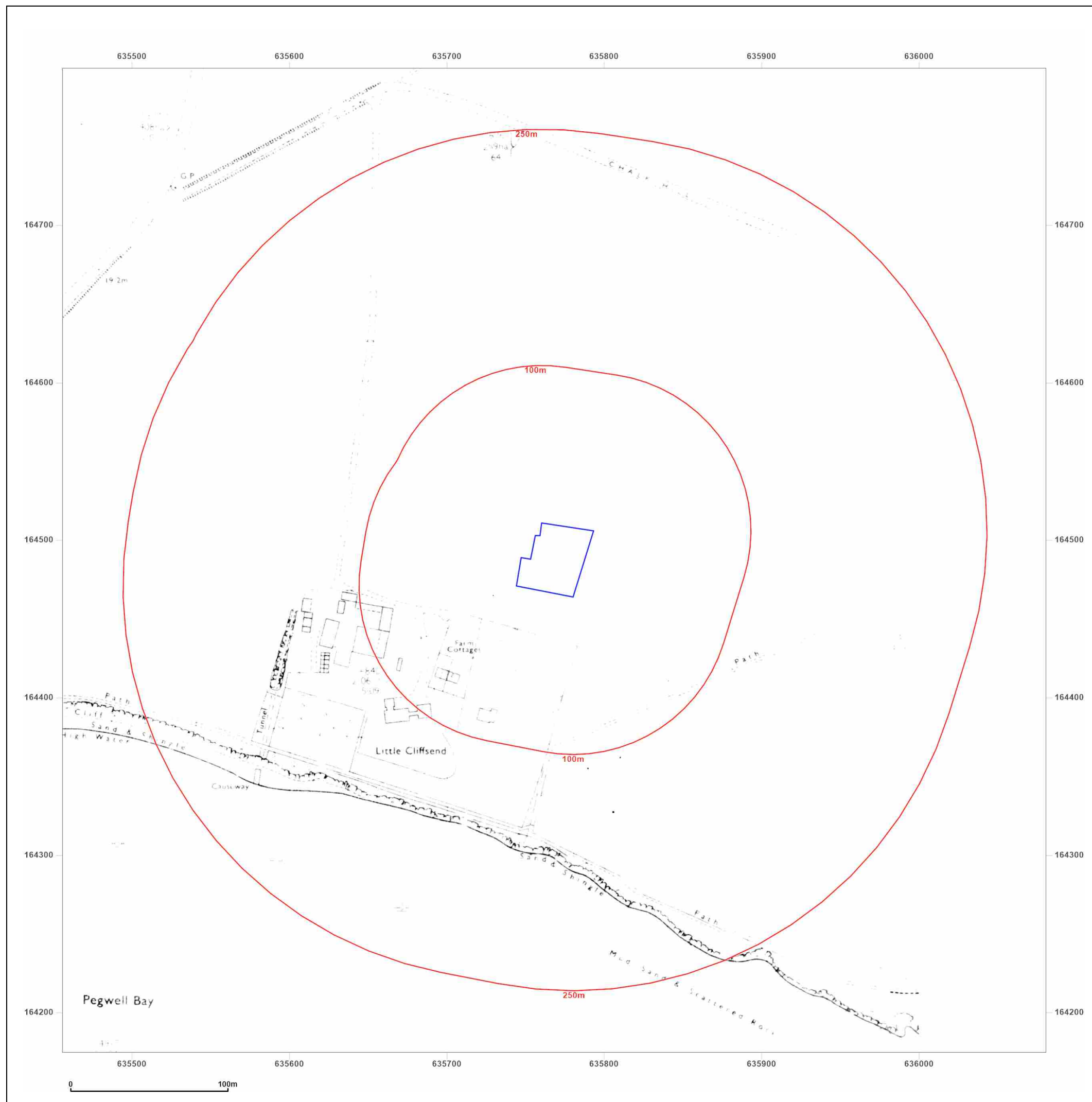
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Site Details:

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HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: National Grid

Map date: 1982

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1981
Revised 1981
Edition N/A
Copyright 1982
Levelled 1976



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Site Details:

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RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: National Grid

Map date: 1982

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
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Site Details:

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RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A



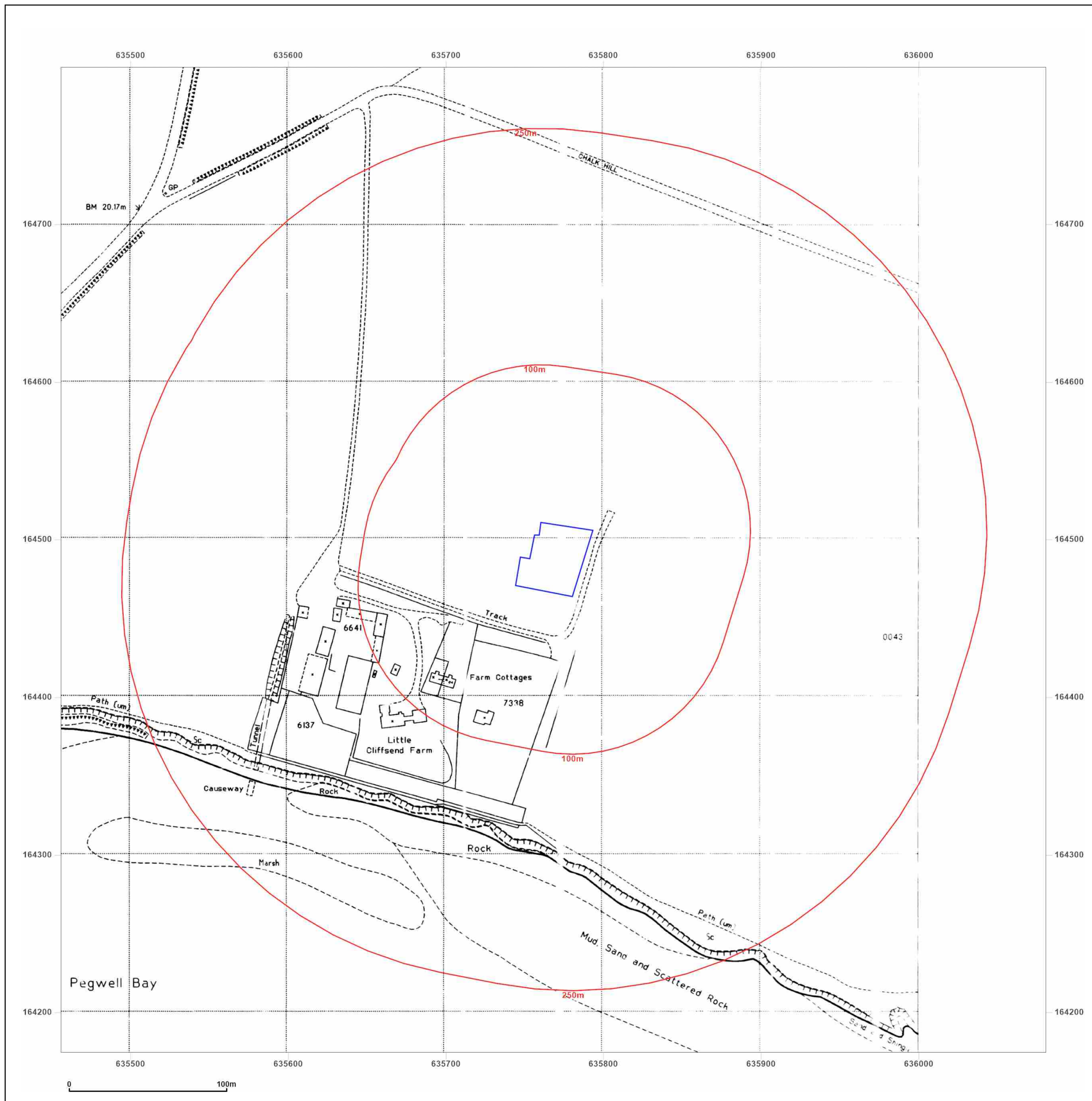
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Site Details:

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RAMSGATE, CT12 5HP

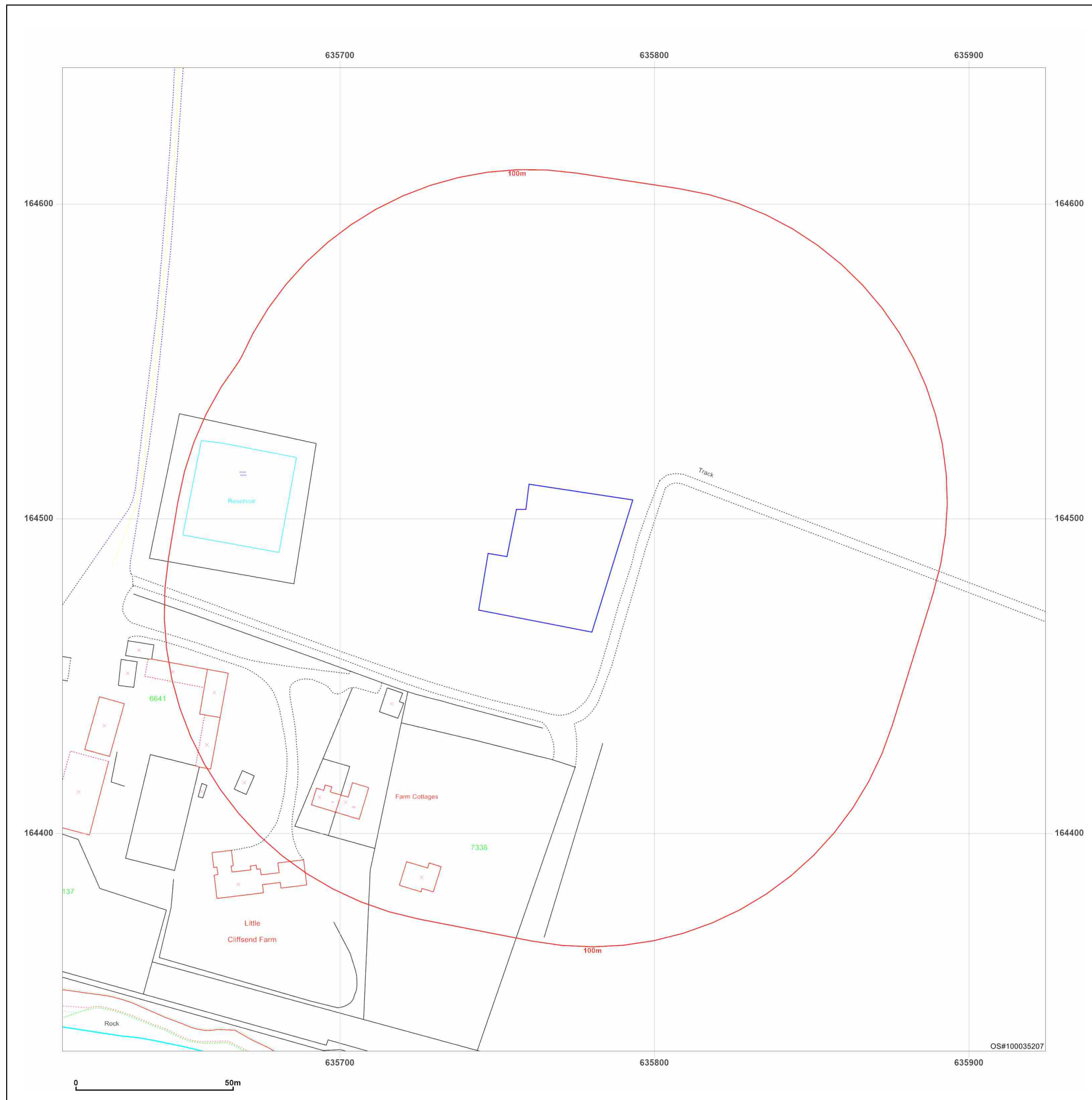
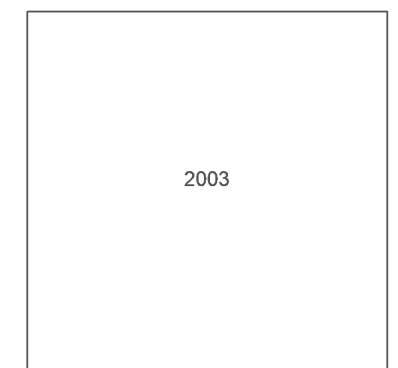
Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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Site Details:

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HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: County Series

Map date: 1872

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1872
Revised 1872
Edition N/A
Copyright N/A
Levelled N/A



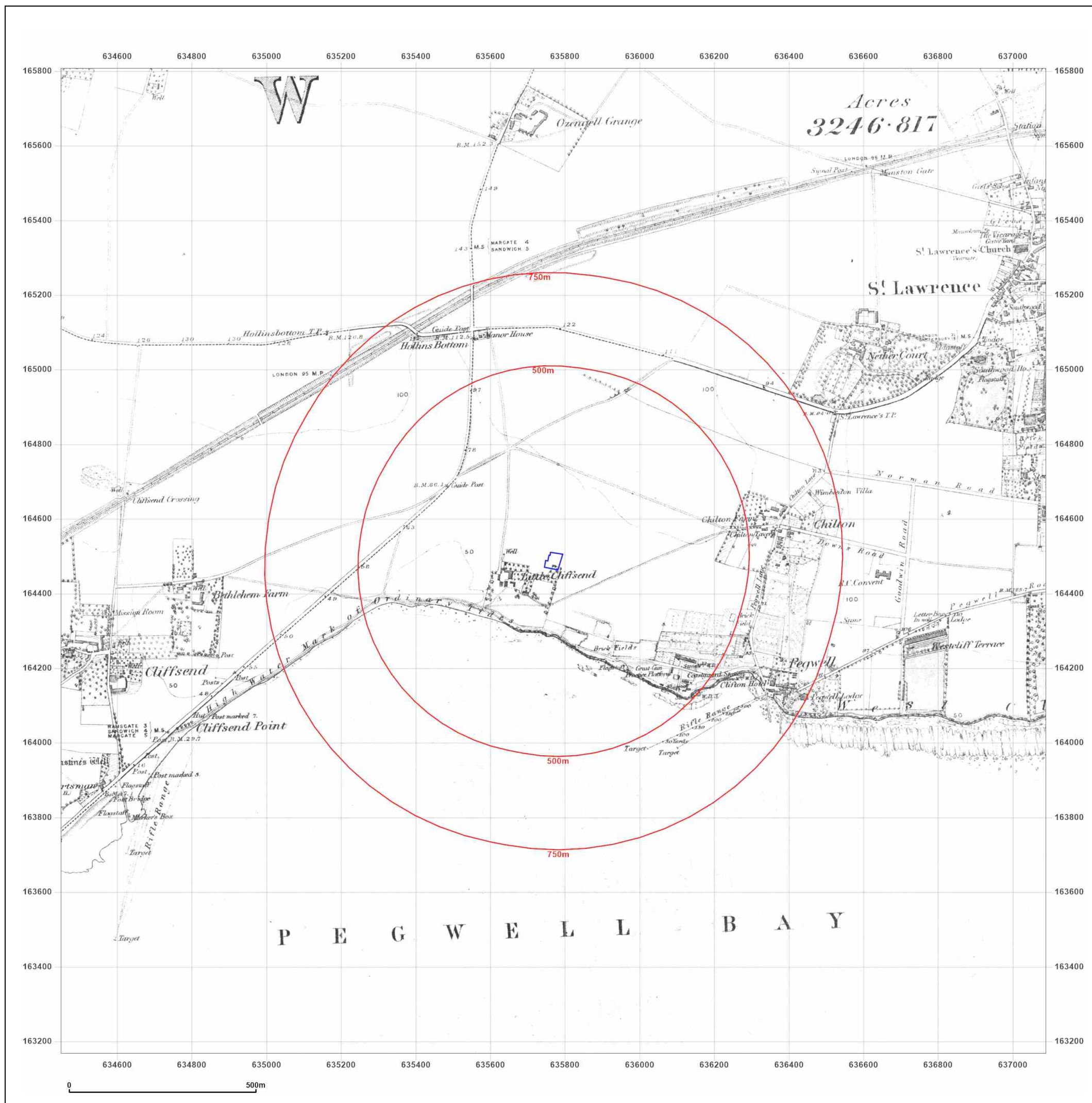
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Site Details:

LITTLE CLIFFSEND FARM
HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: County Series

Map date: 1897

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1872
Revised 1897
Edition N/A
Copyright N/A
Levelled N/A



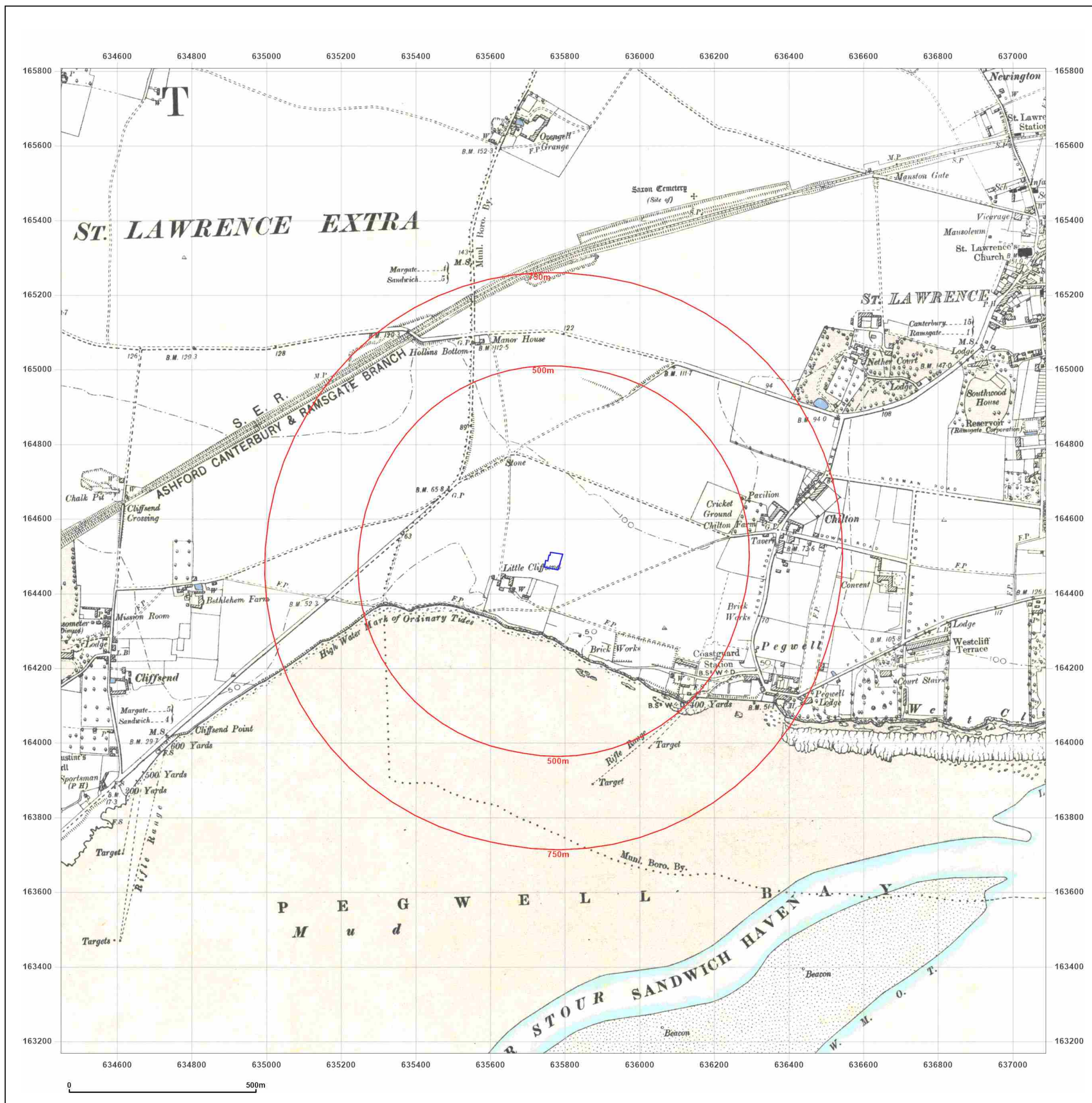
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Site Details:

LITTLE CLIFFSEND FARM
HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: County Series

Map date: 1905

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1872
Revised 1905
Edition N/A
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Site Details:

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RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: County Series

Map date: 1905

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1872
Revised 1905
Edition N/A
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RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: County Series

Map date: 1931

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1872
Revised 1931
Edition N/A
Copyright N/A
Levelled N/A



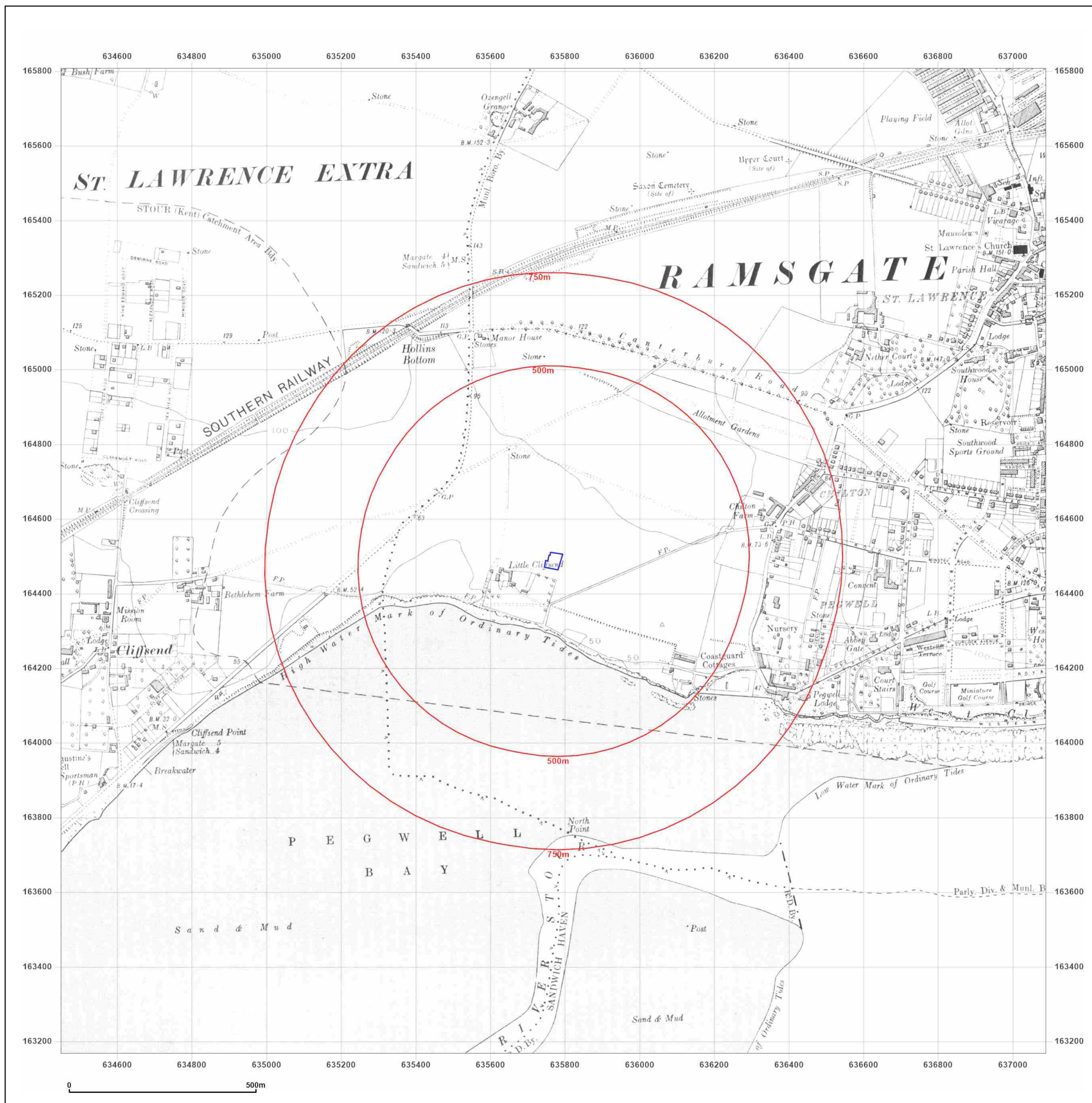
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Site Details:

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HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: County Series

Map date: 1931

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1872
Revised 1931
Edition N/A
Copyright N/A
Levelled N/A



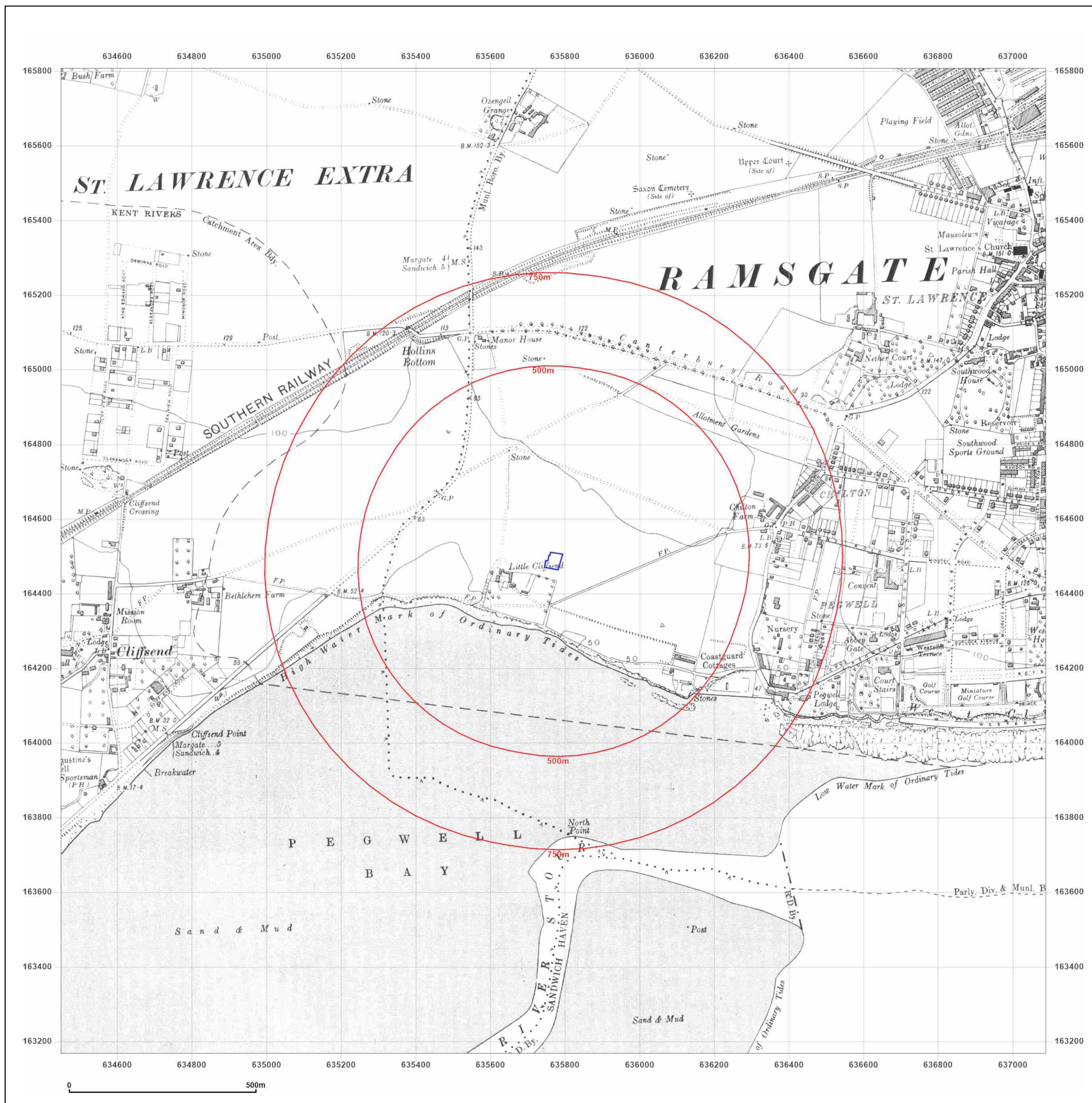
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Site Details:

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HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1872
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A



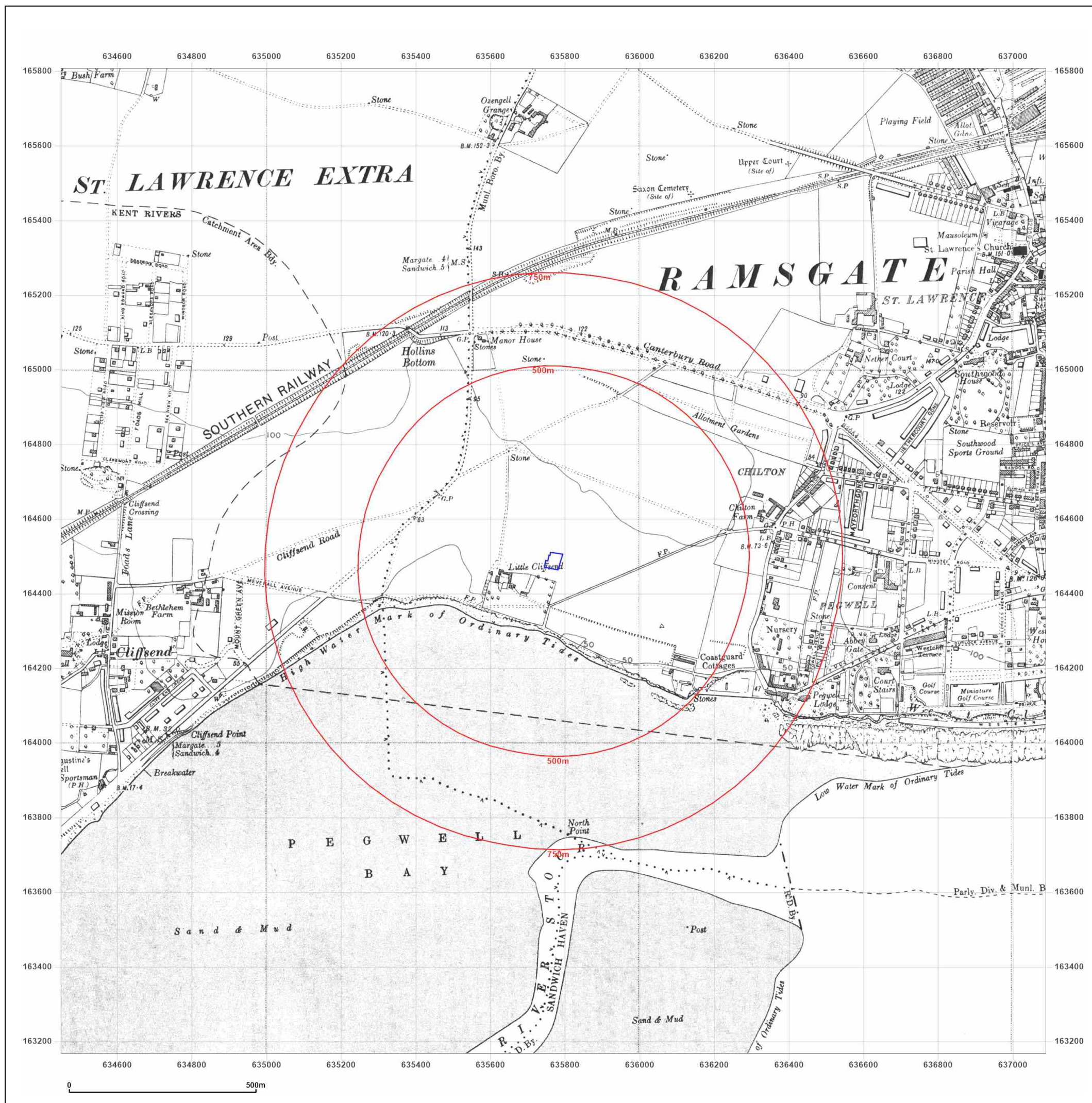
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Site Details:

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RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: County Series

Map date: 1948

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1872
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A



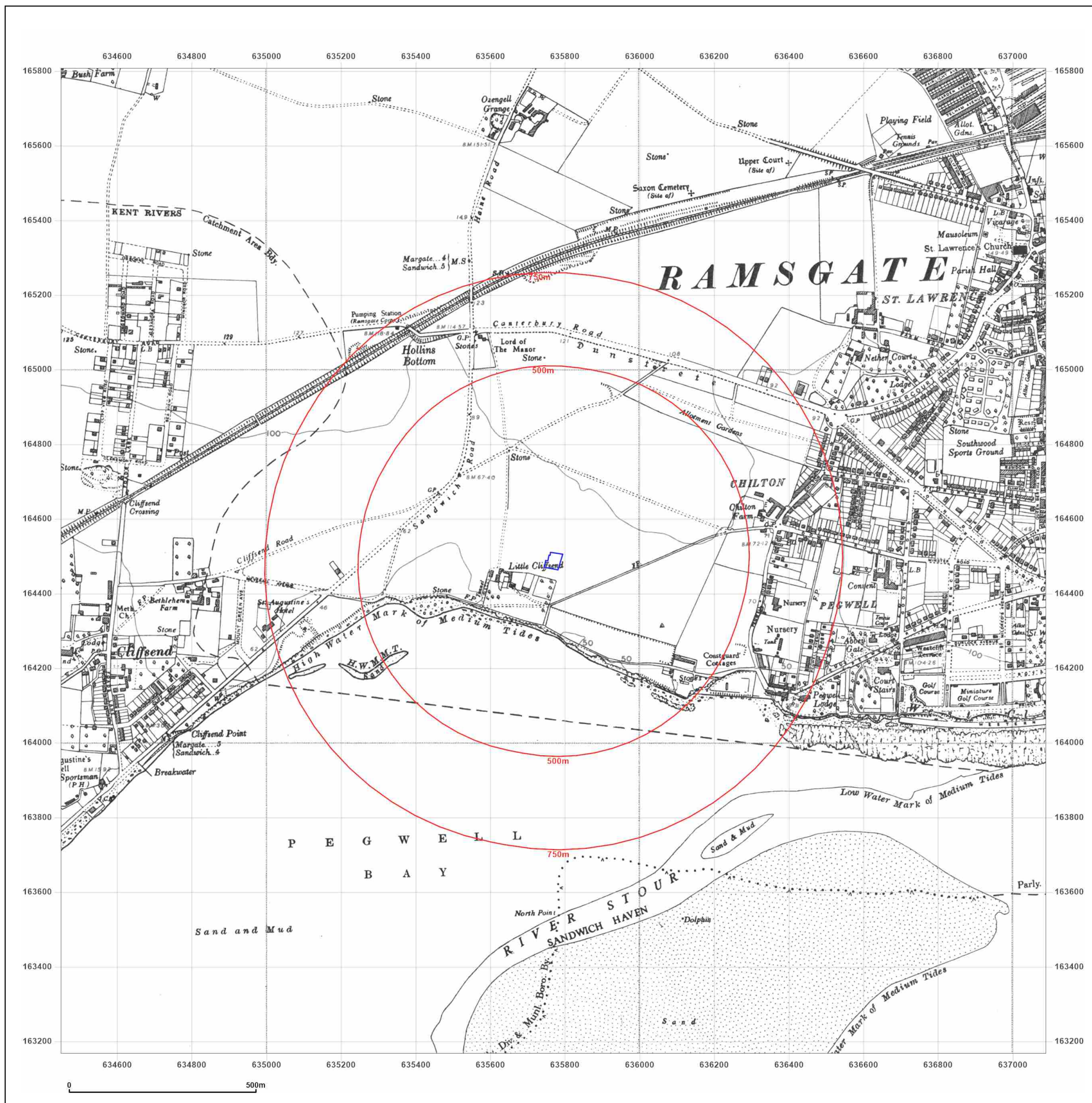
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Site Details:

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RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: Provisional

Map date: 1957-1962

Scale: 1:10,560

Printed at: 1:10,560

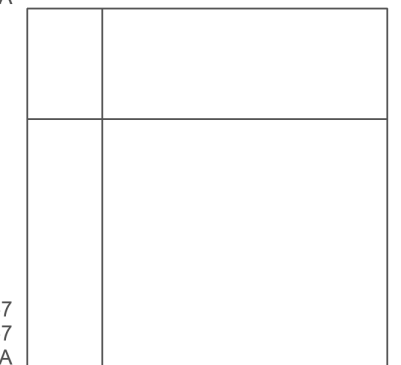


Surveyed 1961
Revised 1961
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1962
Revised 1962
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1959
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Site Details:

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RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: Provisional

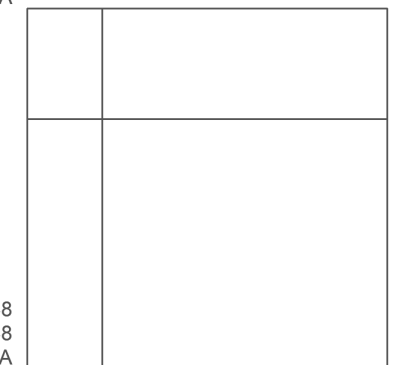
Map date: 1968-1969

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1968
Revised 1969
Edition N/A
Copyright N/A
Levelled N/A



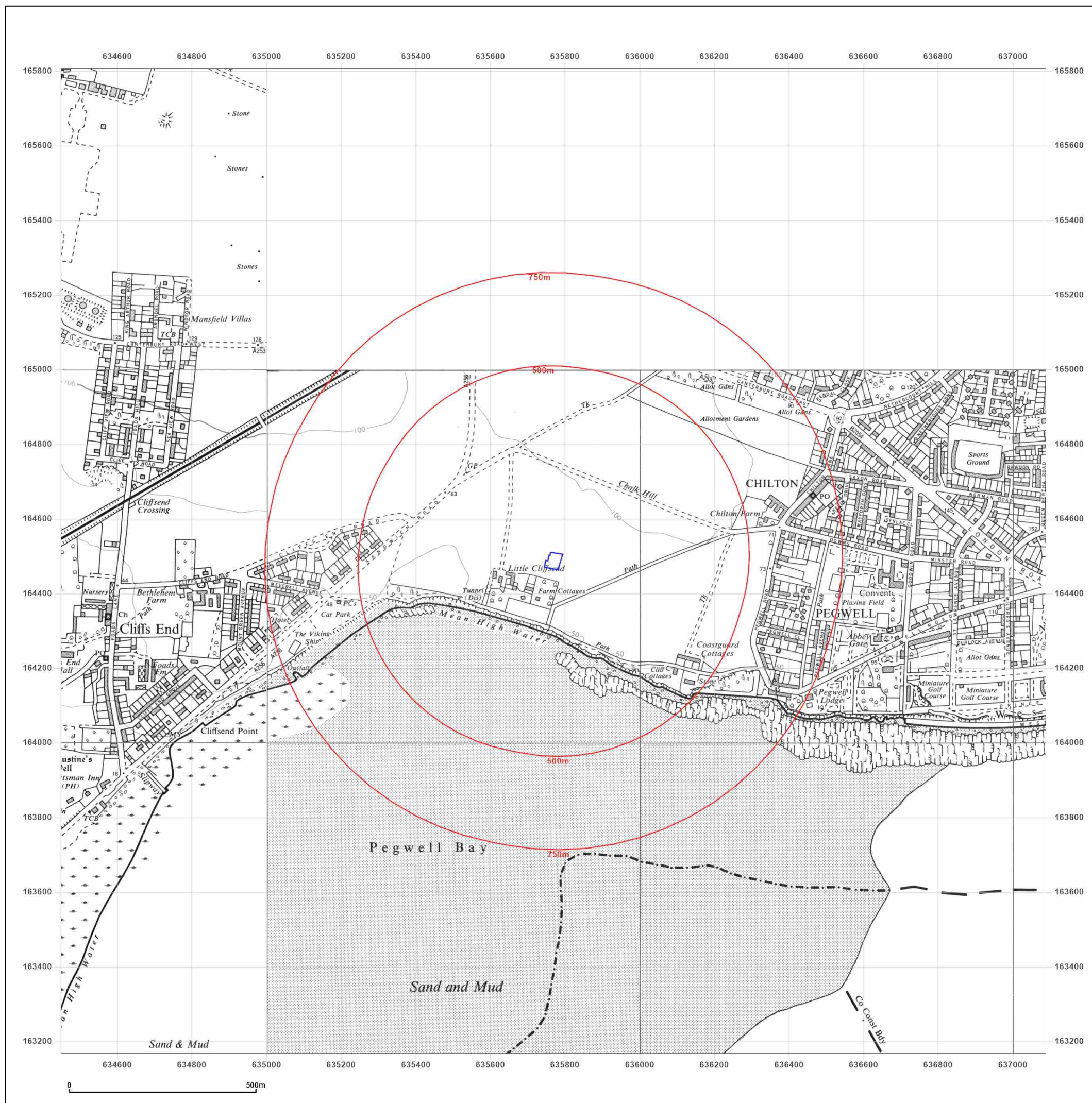
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Site Details:

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Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: National Grid

Map date: 1973-1977

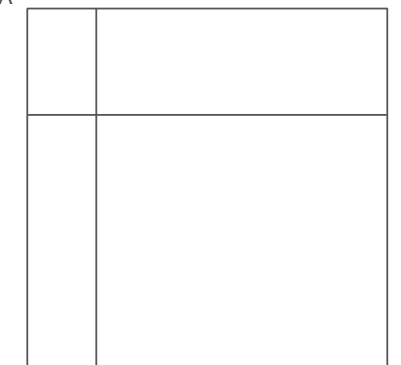
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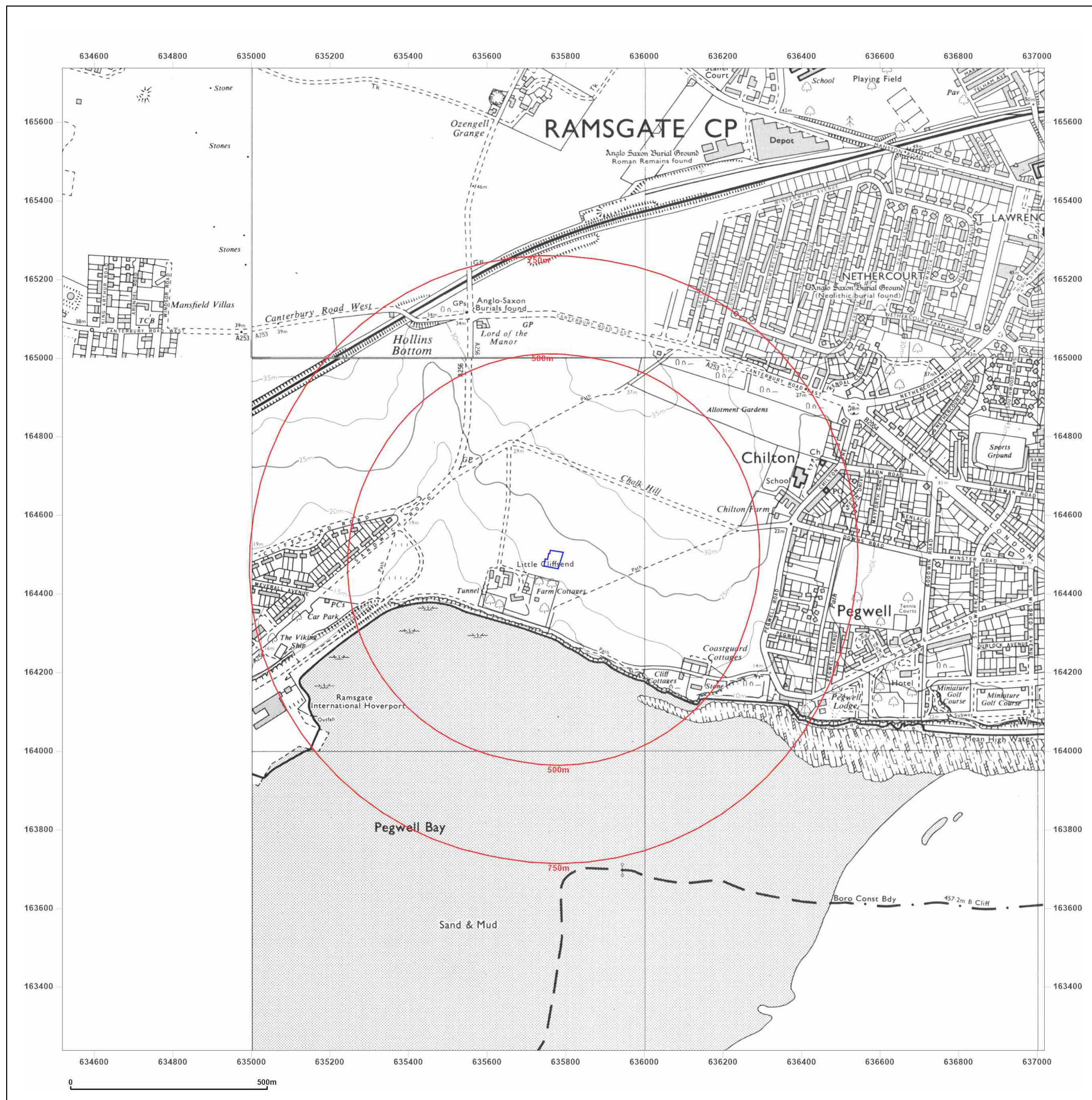


Surveyed 1973
Revised 1975
Edition N/A
Copyright 1975
Levelled N/A

Surveyed 1970
Revised 1973
Edition N/A
Copyright 1973
Levelled N/A



Surveyed 1974
Revised 1976
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Copyright 1977
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RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: National Grid

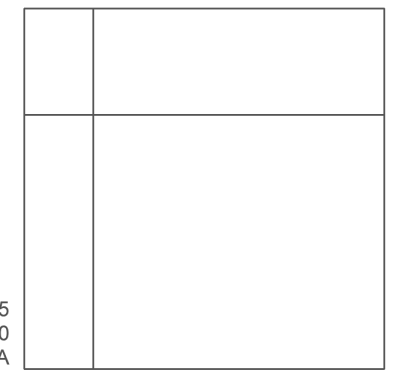
Map date: 1979-1980

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1977
Revised 1979
Edition N/A
Copyright 1979
Levelled N/A



Surveyed 1975
Revised 1980
Edition N/A
Copyright N/A
Levelled N/A



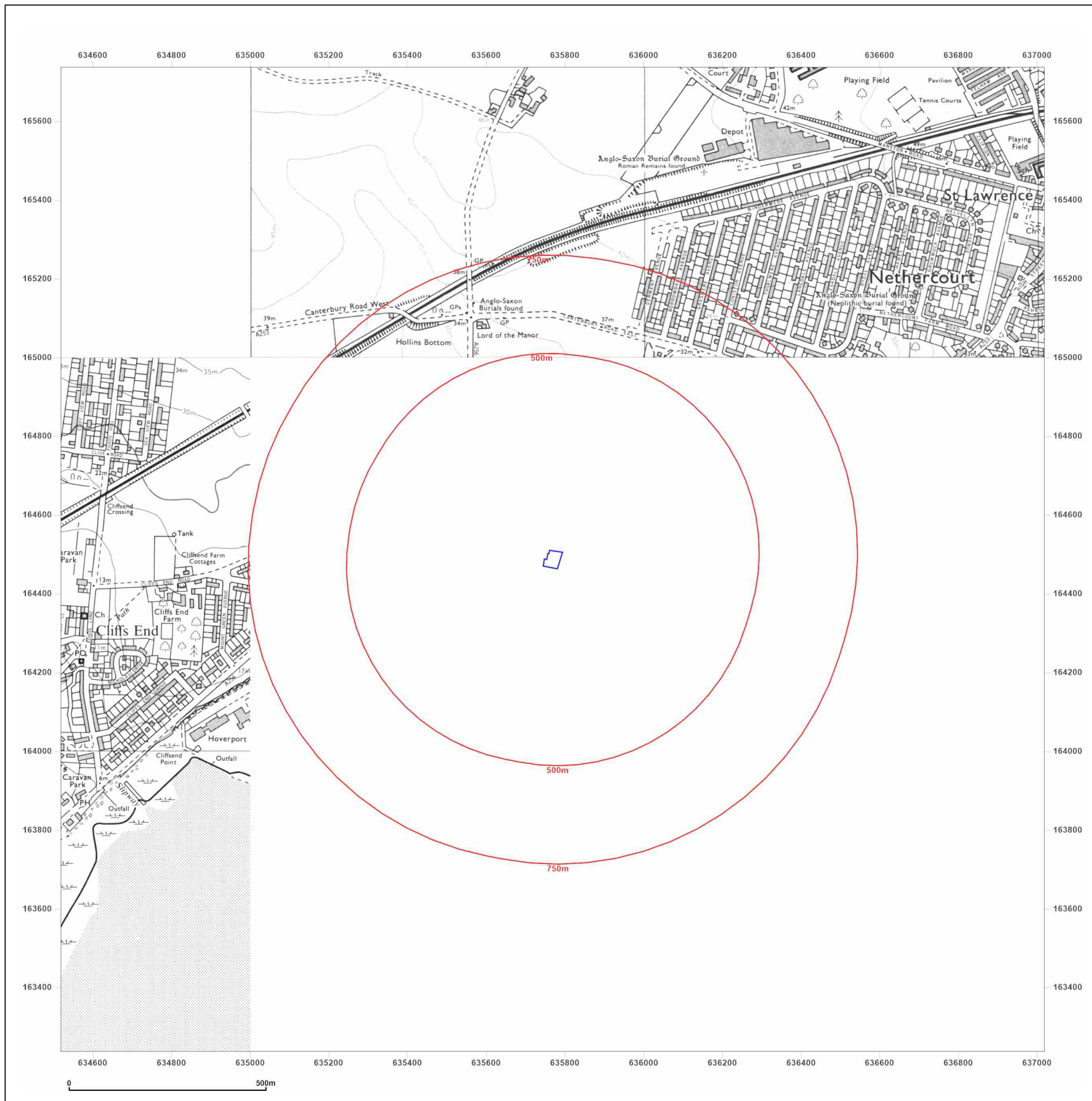
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Site Details:

LITTLE CLIFFSEND FARM
HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

Client Ref: WIE19228_REQ_121087
Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: National Grid

Map date: 1989-1994

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1984
Revised 1990
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1977
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1975
Revised 1989
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1989
Revised 1990
Edition N/A
Copyright N/A
Levelled N/A



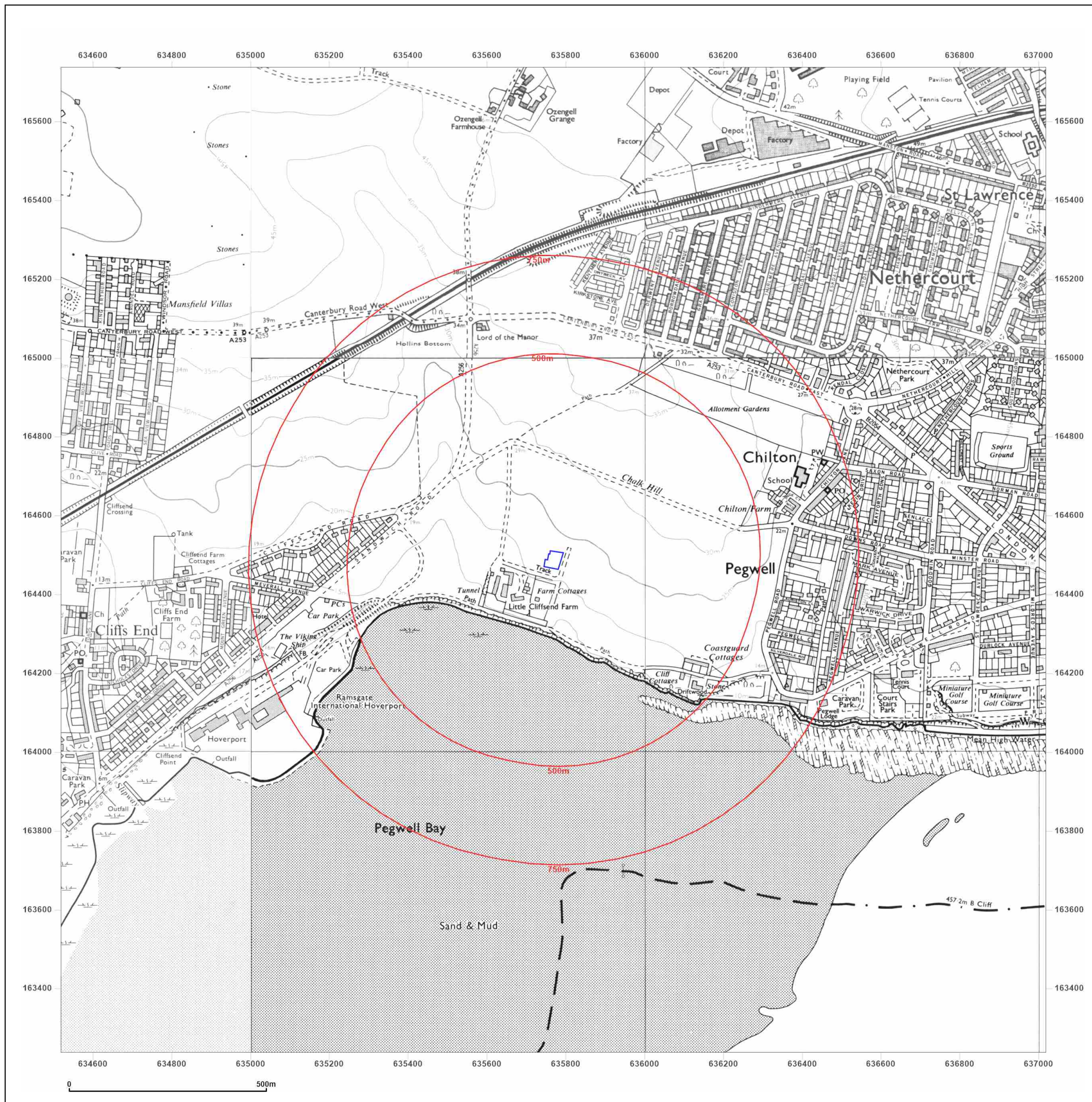
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Site Details:

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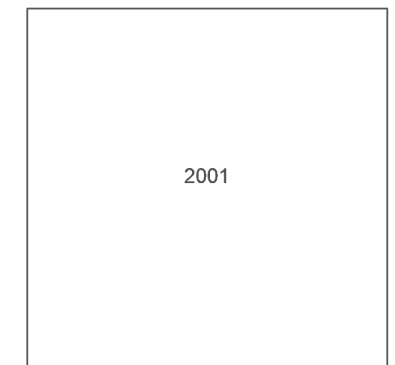
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Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: National Grid

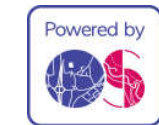
Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



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Site Details:

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HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

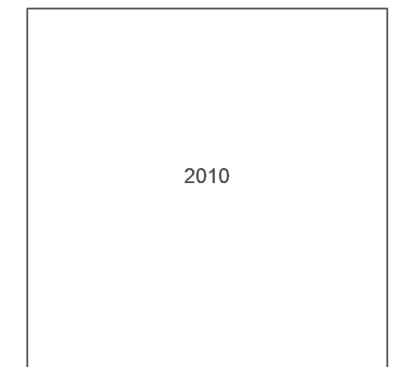
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Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



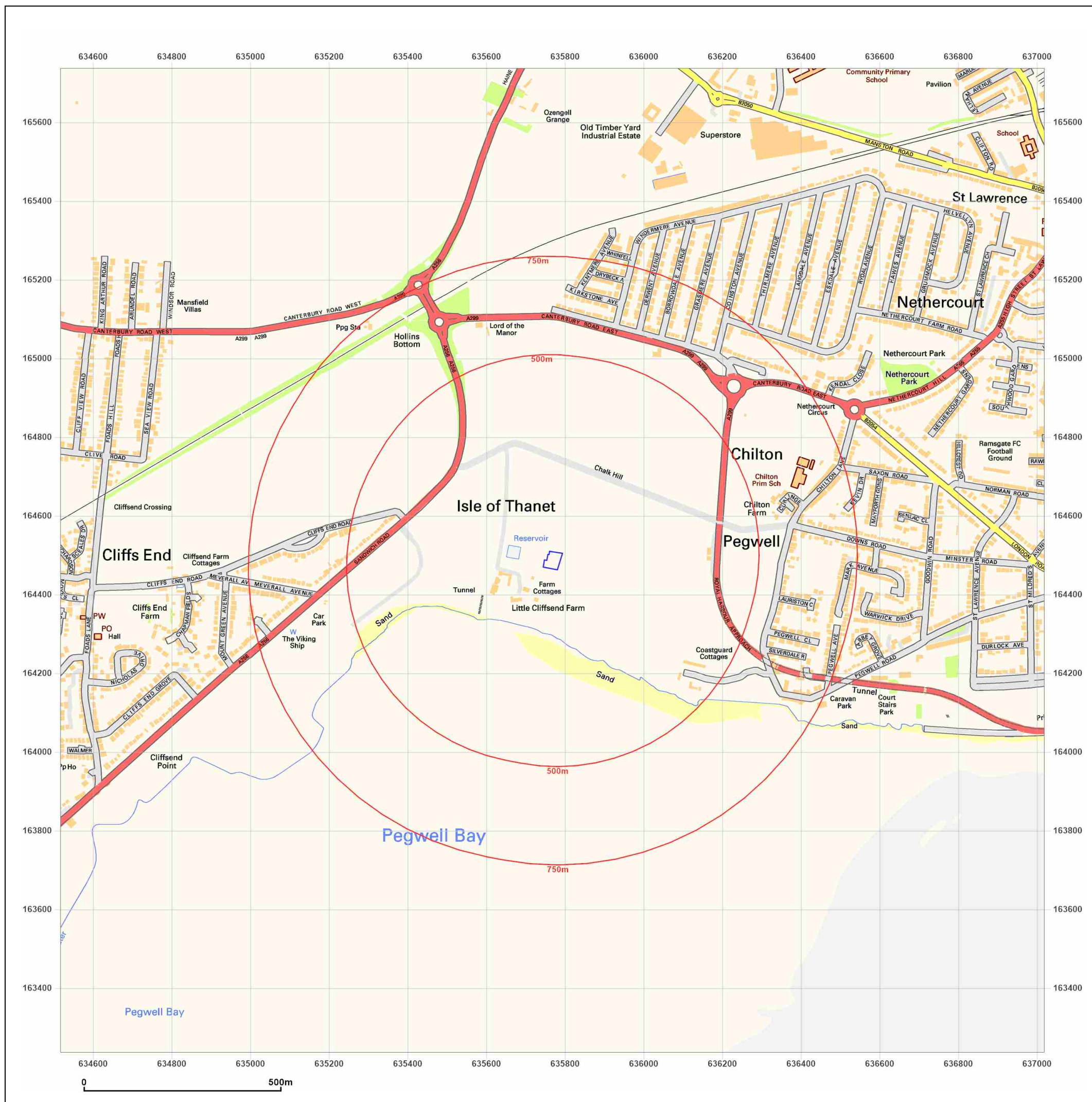
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Site Details:

LITTLE CLIFFSEND FARM
HOUSE, CHALK HILL,
RAMSGATE, CT12 5HP

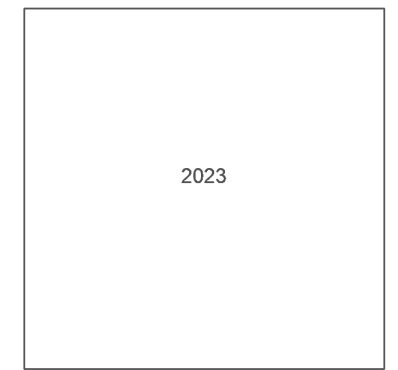
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Report Ref: WTM1-9333216
Grid Ref: 635768, 164487

Map Name: National Grid

Map date: 2023

Scale: 1:10,000

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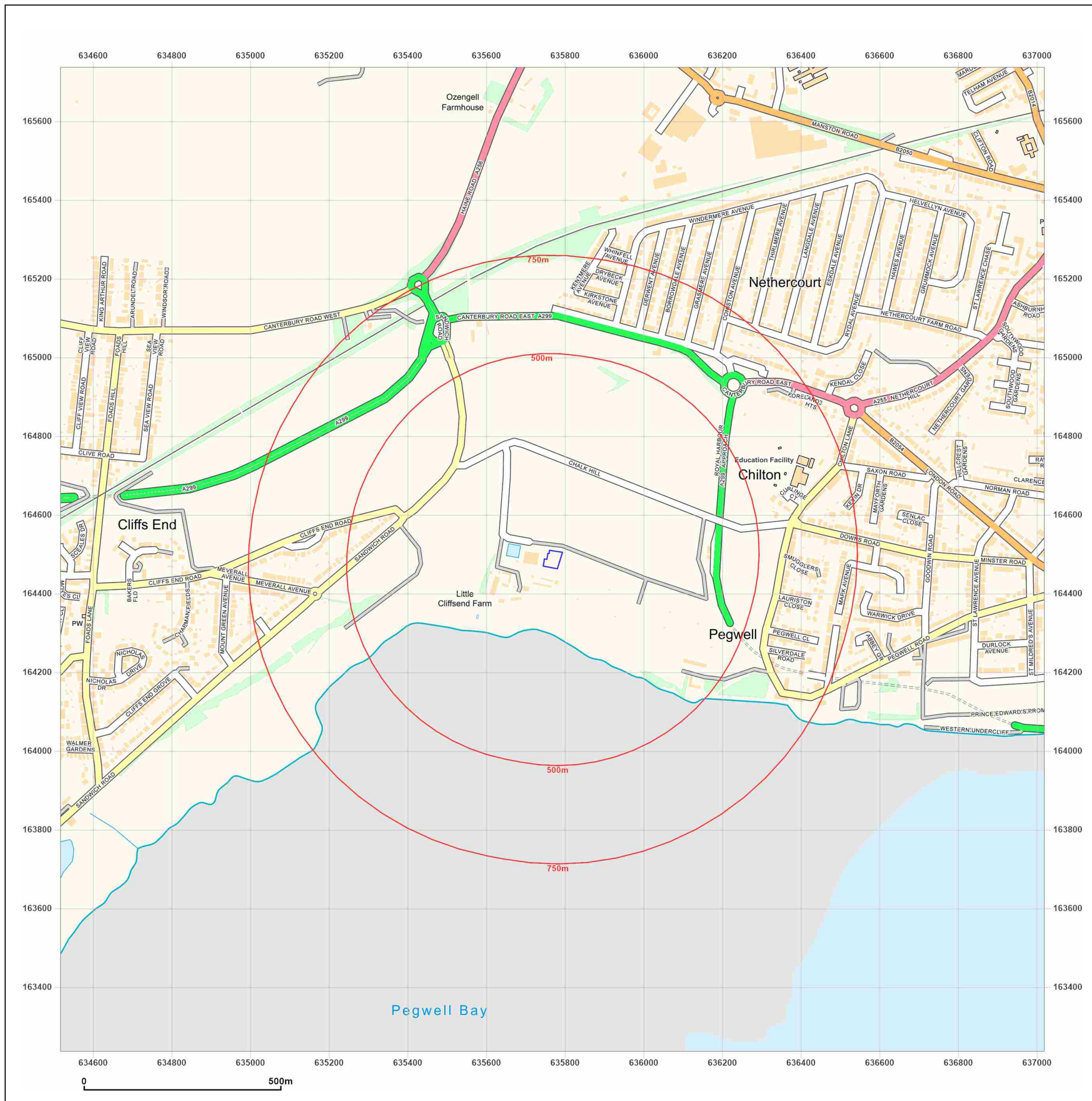
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C. Site Walkover

- Photos taken during site walkover dated 23 November 2022 (WIE19228-100-GR-EPA-B1A).



Centre of the site. Taken from close to the western boundary, facing northeast.



Site egress. Southwest corner of the site..



Centre of site. Taken from close to western boundary, facing northeast.



The majority of the site. As seen from the site egress in the southwest, facing northeast



Southern boundary of the site is indicated by the fencing. Taken from the site egress, facing east.

Project Details	WIE19228-100: Thanet Grab Hire, Little Cliffsend Farm
Figure Title	Figure B1: Site Photographs
Figure Ref	WIE19228-100_GR_EPA_B1A
Date	February 2023
File Location	N:\Projects\wie19228\100\graphics\lepa\issued figures

Our vision

“Engineering a better environment for people and the planet”

Our mission

“To solve complex problems for the benefit of clients, communities and the climate”

Our values

People orientated

Individually and collectively, people are our business. We strive to create environments for everyone to flourish and thrive.

Flexible

Pragmatic by nature and dedicated to getting the job done to the highest possible standard.

Professional

Operating at pace with integrity to deliver technical and robust solutions.

Environmentally aware

We understand our responsibility to the environment, it shapes our decision making and informs our practice.

Innovative

Our forensic questioning provides the ability to deliver appropriate innovations at every stage on every project.

Relationship focused

We value individuality and the benefits of working collaboratively to achieve positive outcomes for all.

