



U M B R E L L A
ENVIRONMENTAL
PROTECTING YOUR BUSINESS

Site Condition Report

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Site Address:

Synergy Asset Services Limited

Merton Farm
Merton Lane South
Canterbury
Kent
CT4 7BA



Registered Office:

Merton Farm
Merton Lane South
Canterbury
Kent
CT4 7BA

Application Reference:

EPR/FB3602HU/V002

Document Reference:

018.1_05_006

Issue Date:

01/07/2024

Document Control

Document Title	Reference	Client	Status
Site Condition Report	018.1_05_006	Synergy Asset Services Limited	FINAL

Document History

Version	Issue date	Author	Checked	Description
D1	23/01/2024	AIL	AIL	Drafted for client review prior to submission to the Environment Agency.
V1	26/01/2024	AIL	AIL	Approved by client for submission.
D2	20/06/2024	AIL	AIL	Amended in accordance with validation checks.
V2	01/07/2024	AIL	AIL	Approved by client for submission.

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1 INTRODUCTION

This is the Site Condition Report (SCR) that accompanies the application to vary from a bespoke waste activity to an Installation activity on behalf of Synergy Asset Services Limited, in accordance with Environmental Permitting (England and Wales) Regulations 2016 (as amended) and will be referred to as 'site' within this document.

This SCR describes and records the condition of the land and groundwater at site showing the previous mitigation of the on site activities and the future mitigation with the permit extension and tonnage increase to protect the land and ground water.

Waste activities allow for the;

- acceptance of fire extinguishers,
- cylinders hazardous and non hazardous,
- venting of gases to atmosphere/foam removal,
- decommissioning of cylinders (shearing)
- and the bulking and transfer of waste batteries and tyres.

Site will process no more than 90 tonne per day for disposal of hazardous waste or non hazardous waste with temporary storage for hazardous waste. Waste is also stored and transferred from site as a standalone waste transfer station within the same permit boundary.

Figure 1 Aerial Image below shows an aerial view of the new permit boundary and location within the wider farming industrial estate. The aerial image below shows a variety of farming and commercial building. The wider area has historically been agriculture and continues this use.

Figure 1 Aerial Image



2 SITE DETAILS	
Name of the applicant	Synergy Asset Services Limited
Activity address	Merton Farm Merton Lane South Canterbury Kent CT4 7BA
National grid reference	TR 15054 55108.
Document reference and dates for Site Condition Report at permit application and surrender	Permit Application: 018.1_05_006 SCR V1 Permit Surrender:
Document references for site plans (including location and boundaries)	<ul style="list-style-type: none"> • Drawing 1 018.1_09_001 Permit Boundary • Drawing 2 018.1_09_006 2 km Sensitive Receptors • Drawing 3 018.1_09_007 10 km Sensitive Receptors • Drawing 5 018.1_09_004 Site Plan

3 CONDITION OF THE LAND AT PERMIT ISSUE

Environmental setting including:

- geology
- hydrogeology
- surface waters

Geology

No coverage see Error! Reference source not found.

Hydrogeology

Superficial Aquifer

Bedrock Layer (no superficial layer above) - Principal Aquifer

Bedrock Aquifer

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

Surface Water

Hydrology

None within 1 km other than unnamed pond.

Flood Zone

Site is not within a flood zone.

Ground Water flooding

The very southern tip of the site is classed as negligible risk for ground water flooding whilst the rest of the site is low risk.

Pollution history including:

pollution incidents that may have affected land
 historical land-uses and associated contaminants
 any visual/olfactory evidence of existing contamination
 evidence of damage to pollution prevention measures

Site has not caused any pollution incidents the closest recorded incident is recorded as:

173 m North of site, Incident Date: 27/04/2002

Incident Identification: 75138

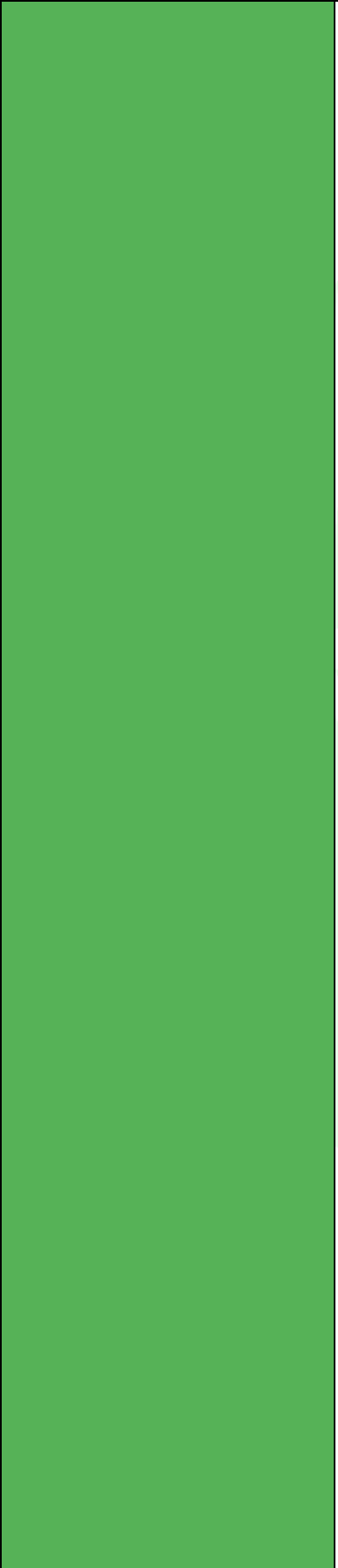
Pollutant: Oils and Fuel

Pollutant Description: Other Oil or Fuel

	<p>Water Impact: Category 4 (No Impact)</p> <p>Land Impact: Category 4 (No Impact)</p> <p>RADON</p> <p>Less than 1% risk on site.</p>
<p>Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)</p>	<ul style="list-style-type: none"> • Appendix 1 EMS-908089_1158290 • Appendix 2 Historical Maps
<p>Baseline soil and groundwater reference data</p>	<ul style="list-style-type: none"> • Appendix 1 EMS-908089_1158290 • Appendix 2 Historical Maps

4 PERMITTED ACTIVITIES

Permitted activities	Schedule 1- Environmental Permitting Regulations	Limits of specified activity and waste types
	<p>Section 5.3 (a) (ii) - haz waste installation - physico-chemical treatment</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced)</p> <p>R5: Recycling/reclamation of other inorganic materials</p> <p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced)</p> <p>D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12</p>	<p>Physical treatment including manual sorting and separation of hazardous and non-hazardous waste for disposal (no more than 90 tonnes per day) or recovery.</p> <p>The maximum quantity of hazardous waste that can be stored at the site shall not exceed 100 tonnes at any one time.</p> <p>Subject to any other requirements of this permit wastes shall be stored for no longer than 3 months.</p> <p>Treatment of fire extinguishers is limited to the bleeding of the contents of and dismantling by removal</p>

			<p>of valves and other parts from cylinders to allow recycling of the metals, plastic and rubber.</p> <p>Treatment of non-hazardous cylinders is limited to the bleeding of the contents of and dismantling by removal of valves and other parts from cylinders to allow recycling of the metals, plastic and rubber.</p> <p>Manual dismantling to include the use of hand powered hand tools such as angle grinder and plasma cutter to reduce fraction size of waste.</p> <p>Subject to any other requirements of this permit wastes shall be stored for no longer than 3 months.</p>

	Section 5.6 - temporary storage of hazardous waste.	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced)	Temporary Storage of hazardous waste
	Waste Operation		
	- non-hazardous waste installation – physico-chemical treatment	R4: Recycling/reclamation of metals and metal compounds R5: Recycling/reclamation of other inorganic materials R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced) D9: Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12	Physical treatment including manual sorting and separation of hazardous and non-hazardous waste for disposal (no more than 90 tonnes per day) or recovery. Subject to any other requirements of this permit wastes shall be stored for no longer than 3 months. Treatment of fire extinguishers is limited to the bleeding of the contents of and dismantling by removal of valves and other parts from cylinders to allow recycling of the metals, plastic and rubber.

			<p>Treatment of non-hazardous cylinders is limited to the bleeding of the contents of and dismantling by removal of valves and other parts from cylinders to allow recycling of the metals, plastic and rubber.</p> <p>Manual dismantling to include the use of hand powered hand tools such as angle grinder and plasma cutter to reduce fraction size of waste.</p> <p>Subject to any other requirements of this permit wastes shall be stored for no longer than 3 months.</p>
	Storage and handling of waste	R13: Storage of waste pending the operations numbered R5 (excluding temporary storage, pending collection, on the site where it is produced).	From receipt of waste to dispatch off-site for recovery or processing.

	Directly Associated Activity		
	Fuel Storage/chemical Storage	Diesel Hydraulic Oils / Lubricating Oils Lubricating Oils	2500 litres 2 drums up to 205 litre per drum. 2 drums up to 205 litre per drum.
Non-permitted activities undertaken			
Document references for: <ul style="list-style-type: none"> plan showing activity layout; and environmental risk assessment. 	<ul style="list-style-type: none"> Drawing 5 018.1_09_004 Site Plan 018.1_05_002 ERA V1 Appendix 3 018.1_05_010 Stage 1_3 Assessment 		

5 CHANGES TO THE ACTIVITY	
Have there been any changes to the activity boundary?	The permit boundary has been extended see Drawing 4 018.1_09_008 Permit Extension.
Have there been any changes to the permitted activities?	<p>The application is to increase the tonnages of hazardous waste stored and treated on site due to a change in waste classification from non hazardous to hazardous of certain waste streams, varying the permit from a bespoke waste to an installation registration as the site meets the thresholds for an installation activity, to add an additional 9 waste codes to the permit as well as increase the permitted area.</p> <p>Additional Waste codes</p> <ul style="list-style-type: none"> • Lead acid (vehicle) 16-16-01* • Lead acid (other) 20-01-33* • Nickel-Cadmium 16-06-02* • Mercury containing 16-06-03* • Alkaline 20-01-34 • Alkaline 16-06-04 • Other Lithium or Lithium ion Batteries 16-06-05 • Mixed household type batteries-separately collected 20-01-33* • Tyres 16-01-03
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	No.

6 MEASURES TAKEN TO PROTECT LAND

Waste is stored in containers and or on a concrete pad.

Managerial procedures.

See Appendix 3 018.1_05_010 Stage 1_3 Assessment

7 POLLUTION INCIDENTS THAT MAY HAVE HAD AN IMPACT ON LAND, AND THEIR REMEDIATION

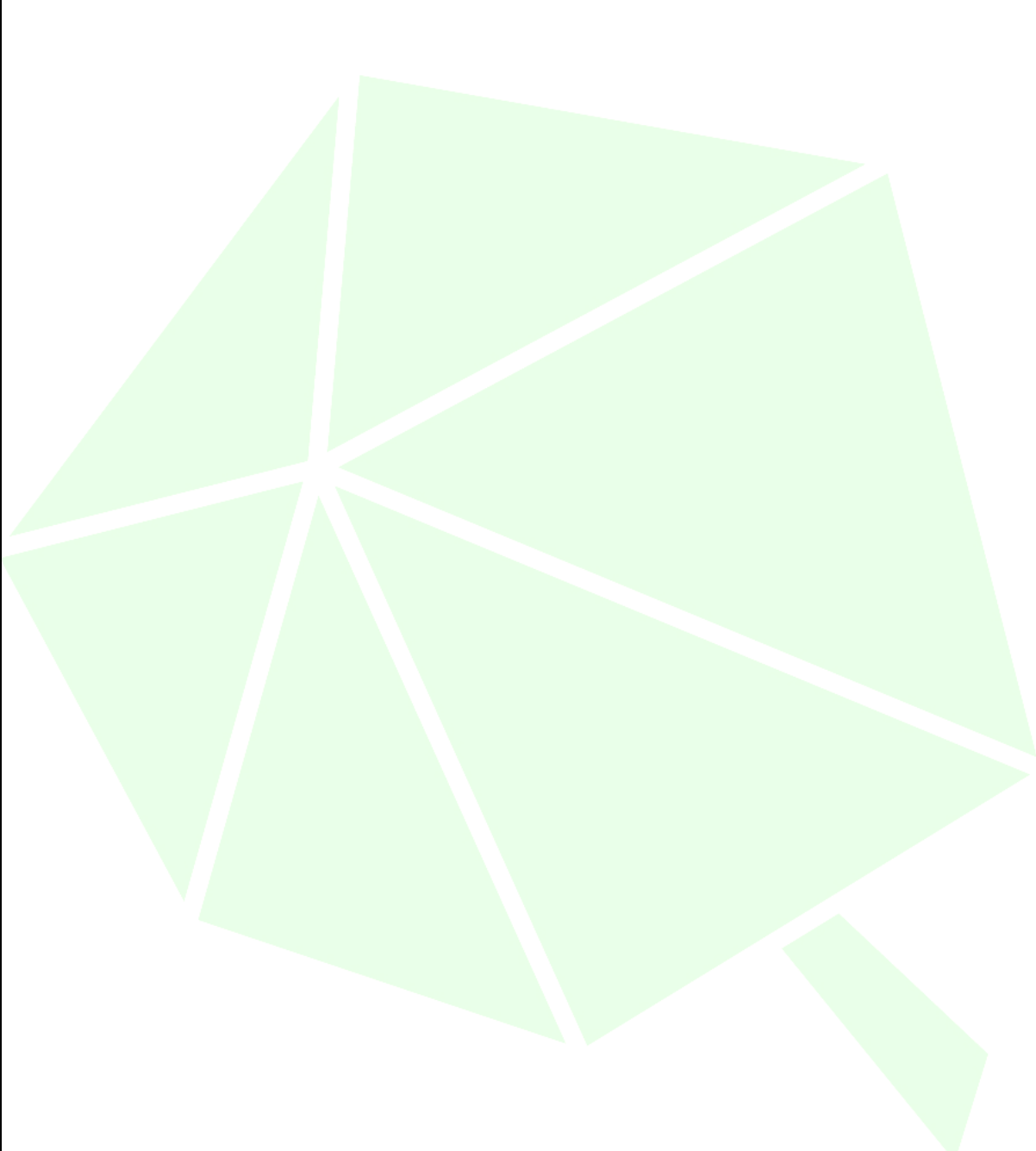
N/A

**Checklist
supporting
information**

of

- Records of pollution incidents that may have impacted on land
- Records of their investigation and remediation

8 SOIL GAS AND WATER QUALITY MONITORING (WHERE UNDERTAKEN)

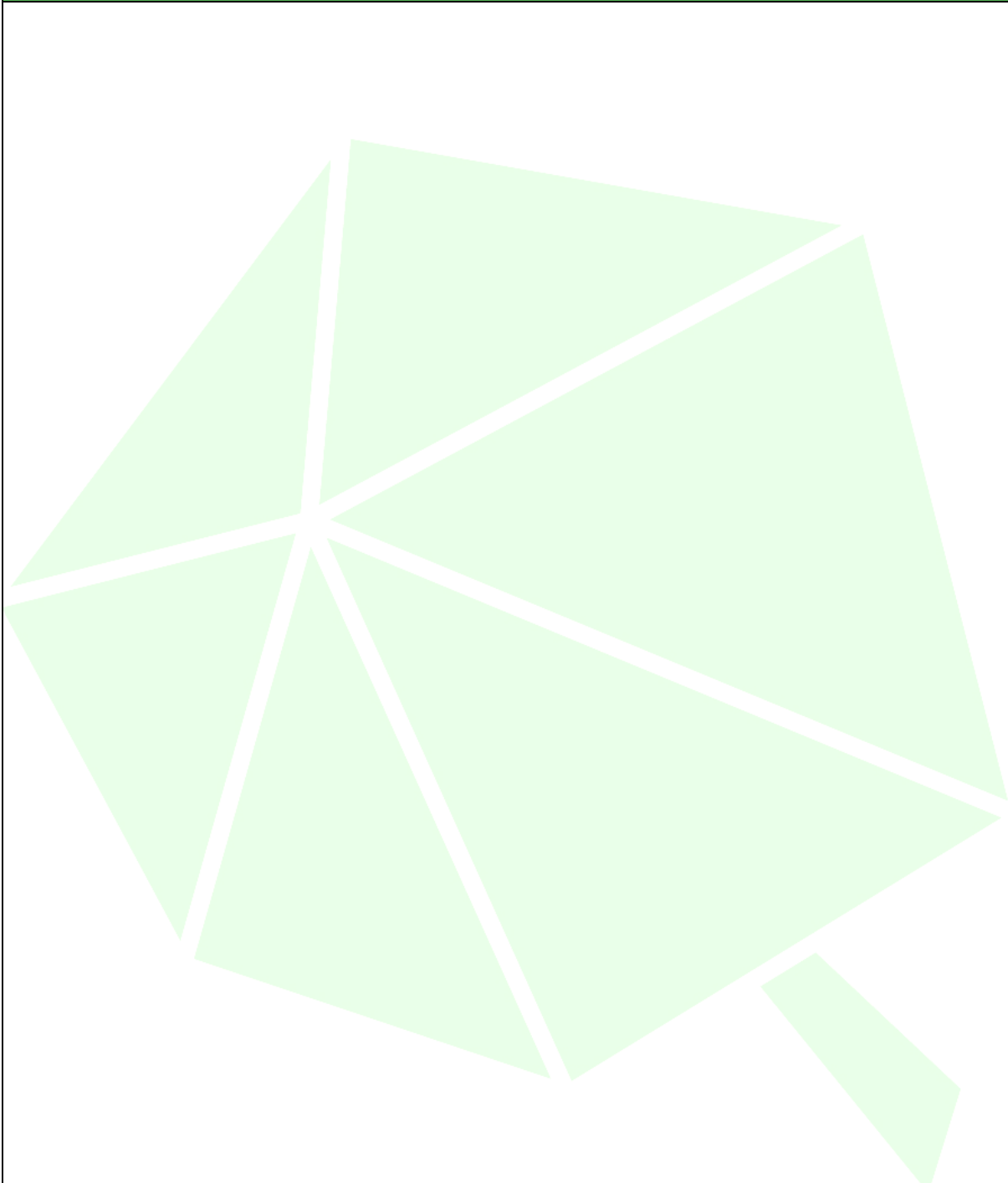


**Checklist
supporting
information**

of

**Description of soil gas and/or water monitoring undertaken
Monitoring results (including graphs)**

9 DECOMMISSIONING AND REMOVAL OF POLLUTION RISK

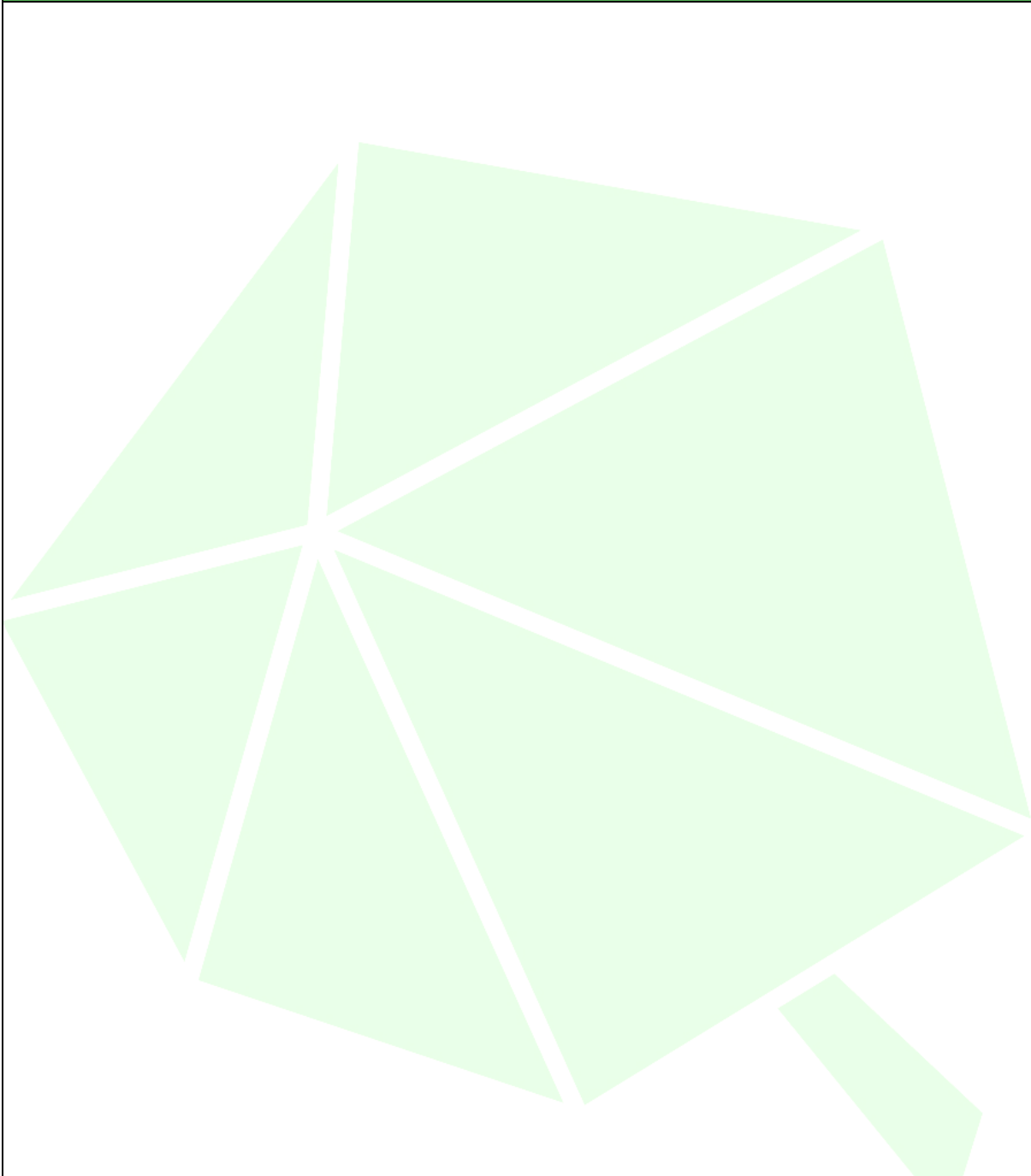


**Checklist
supporting
information**

of

- Site closure plan
- List of potential sources of pollution risk
- Investigation and remediation reports (where relevant)

10 REFERENCE DATA AND REMEDIATION (WHERE RELEVANT)

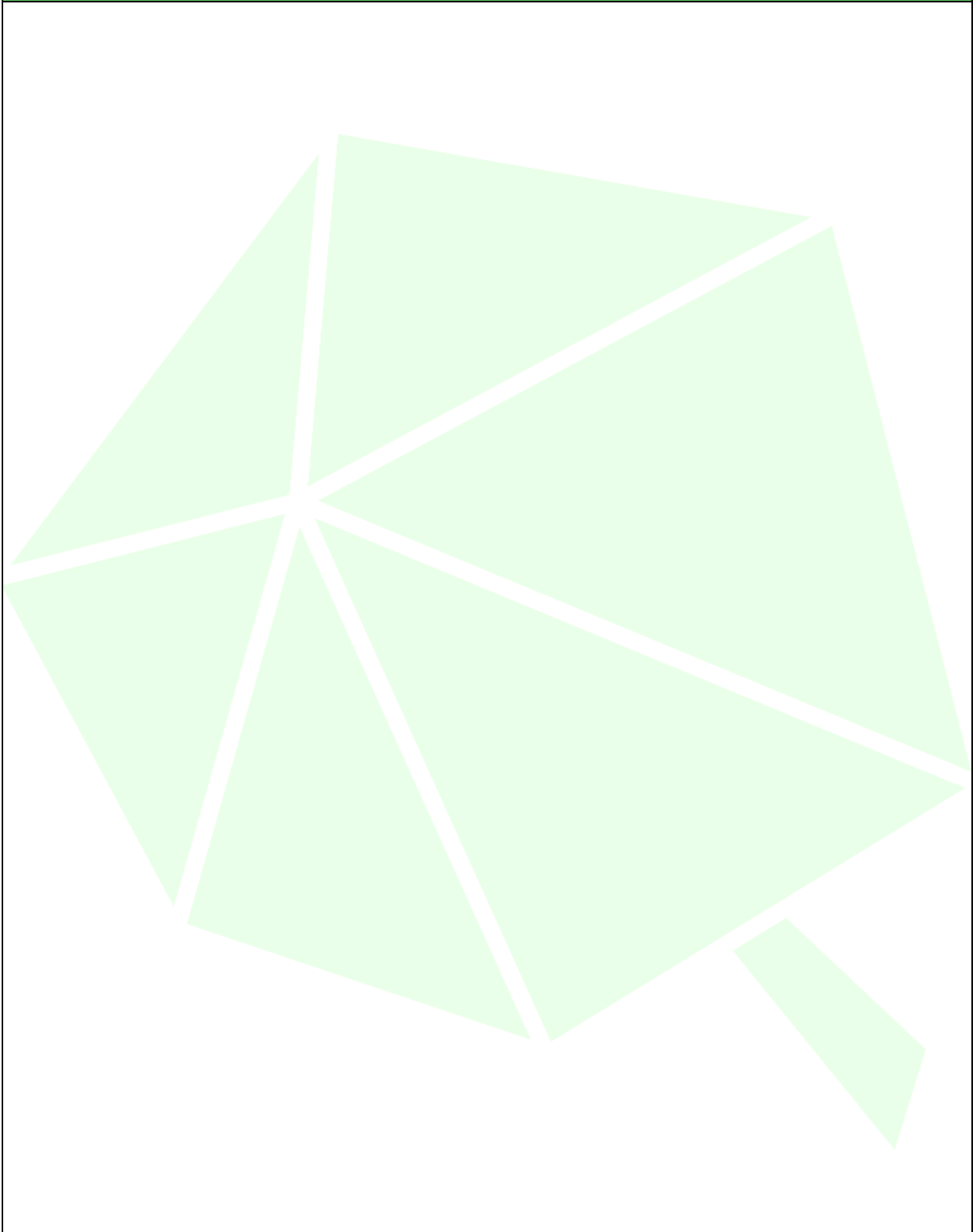


Checklist supporting information

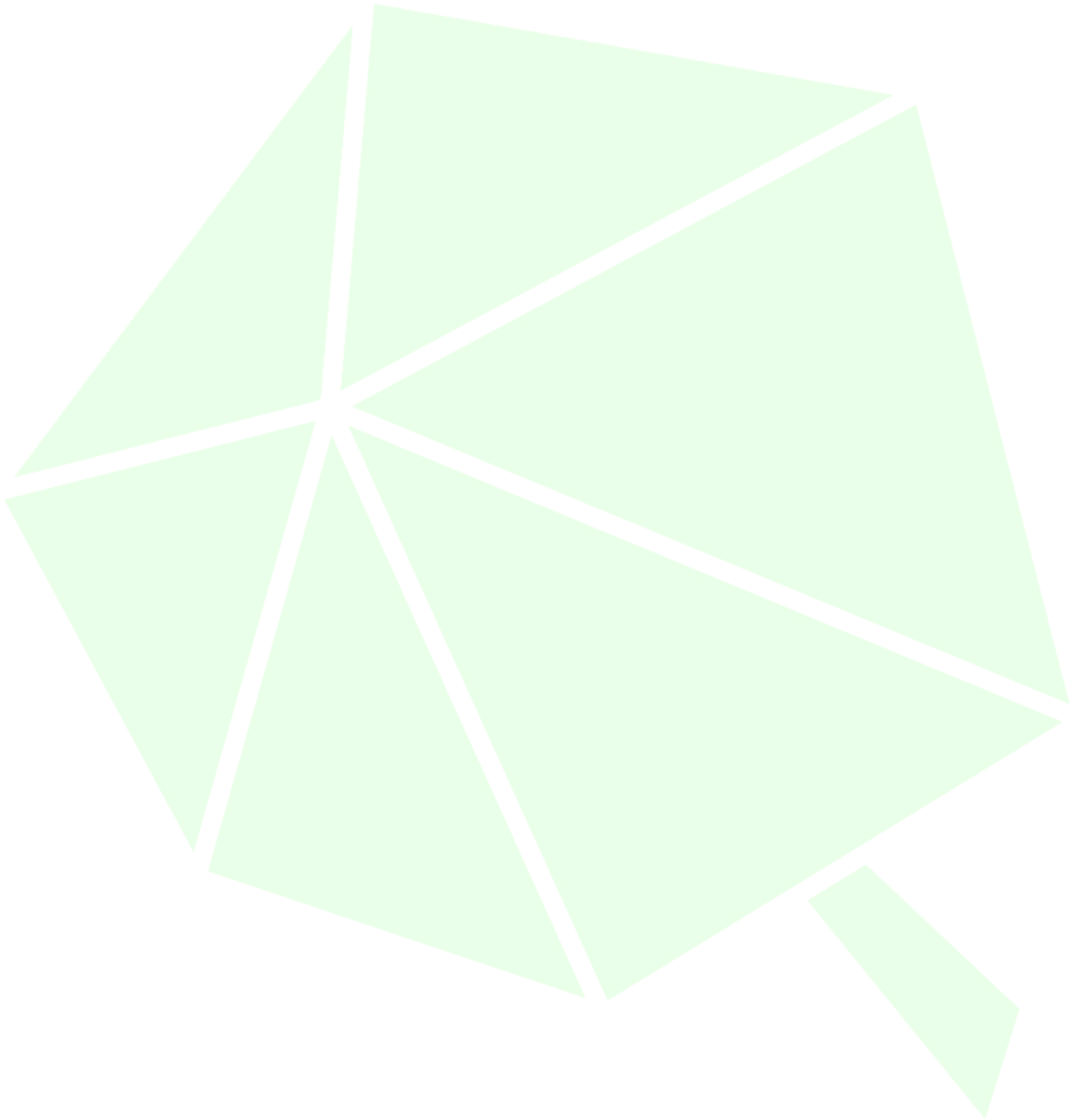
of

- Land and/or groundwater data collected at application (if collected)
- Land and/or groundwater data collected at surrender (where needed)
- Assessment of satisfactory state
- Remediation and verification reports (where undertaken)

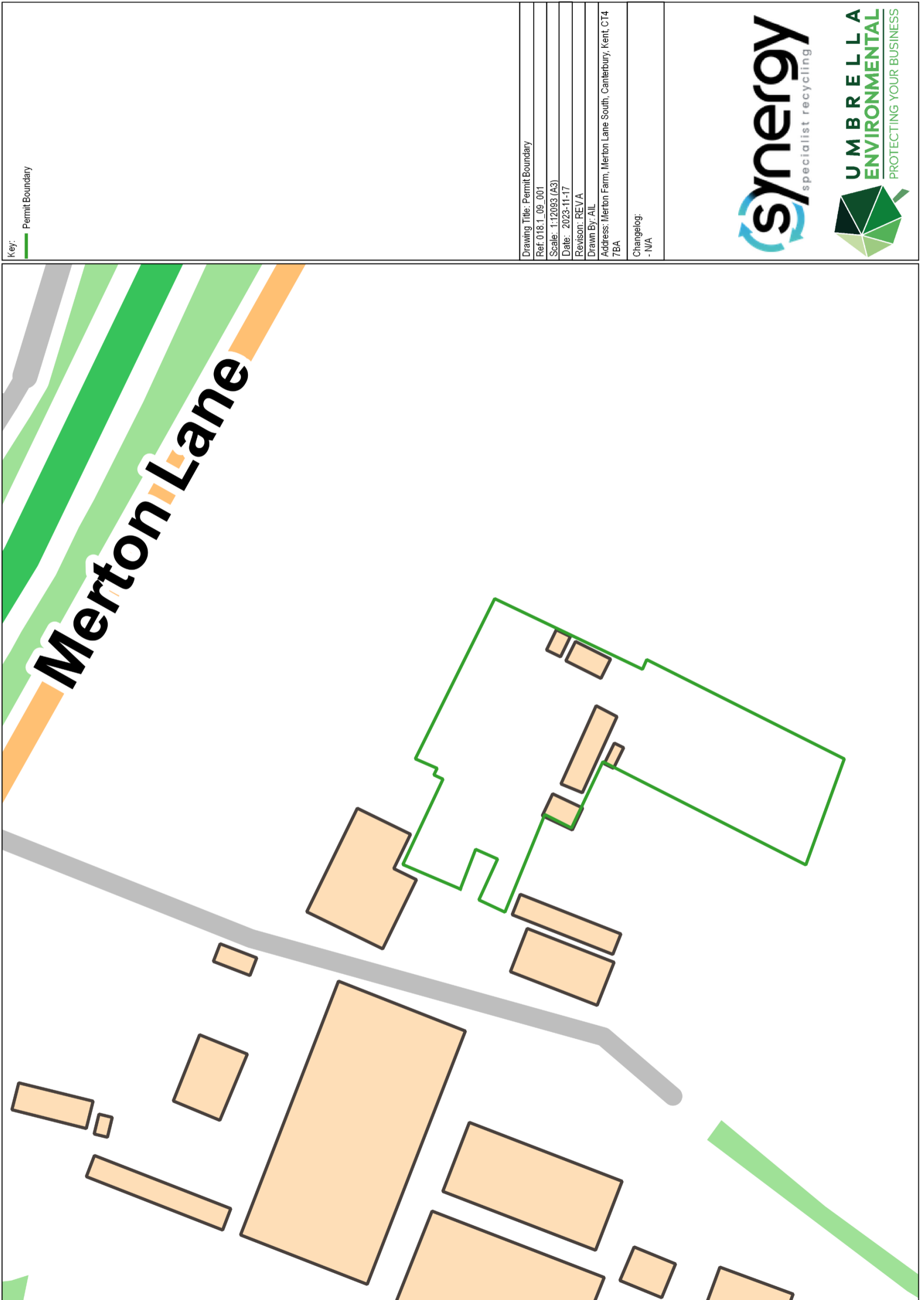
11 STATEMENT OF SITE CONDITION



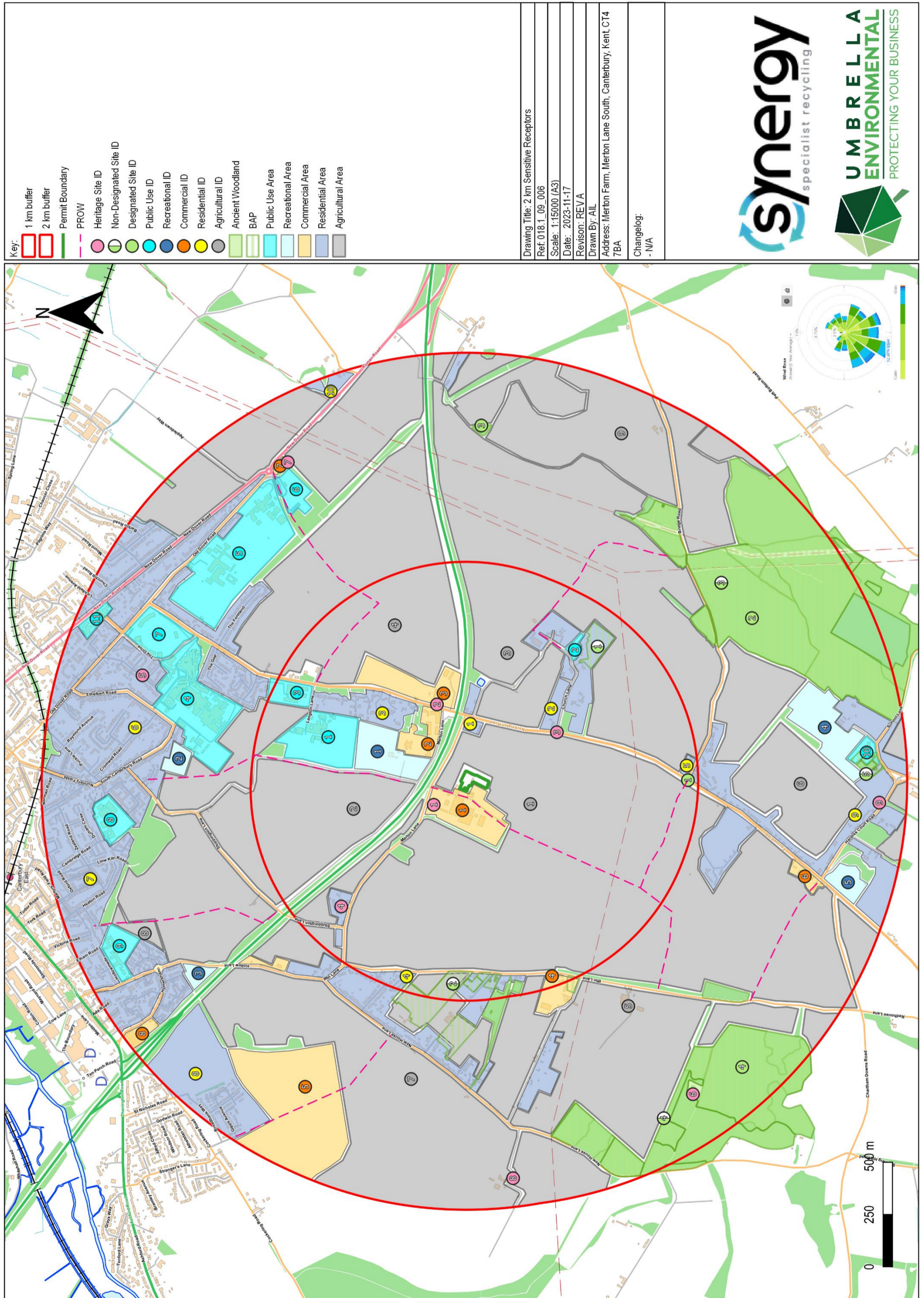
12 DRAWINGS



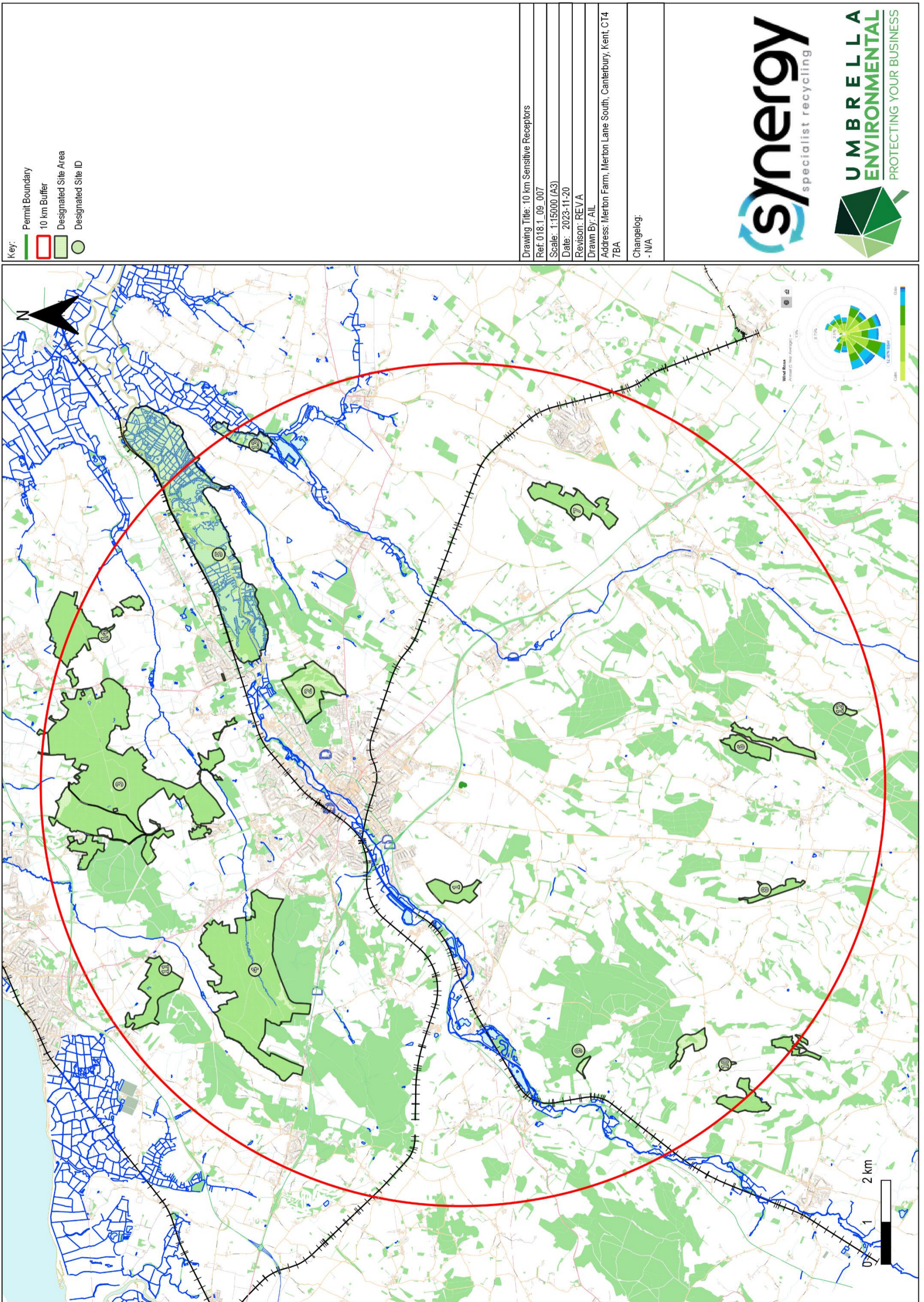
Drawing 1 018.1_09_001 Permit Boundary



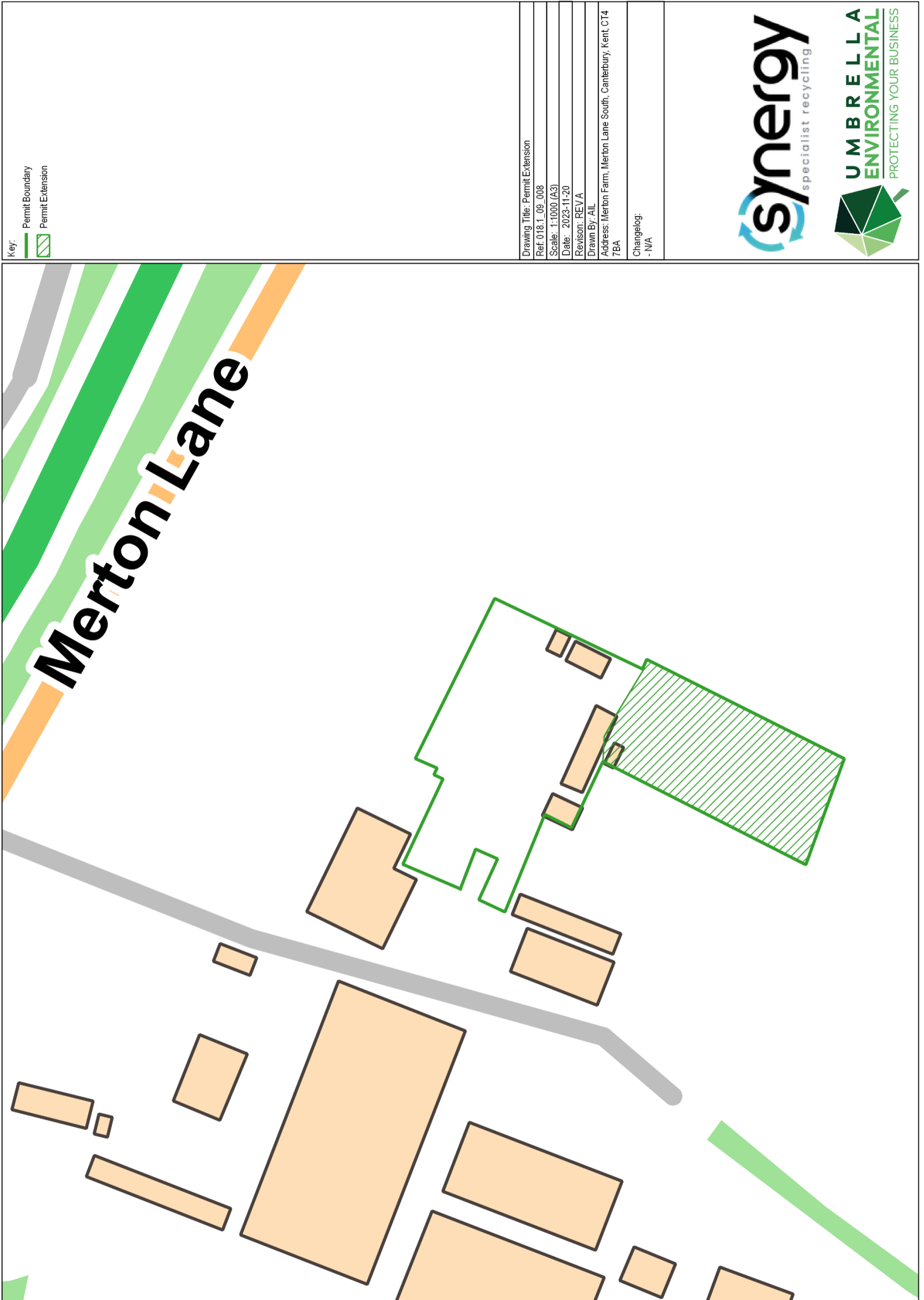
Drawing 2 018.1_09_006 2 km Sensitive Receptors



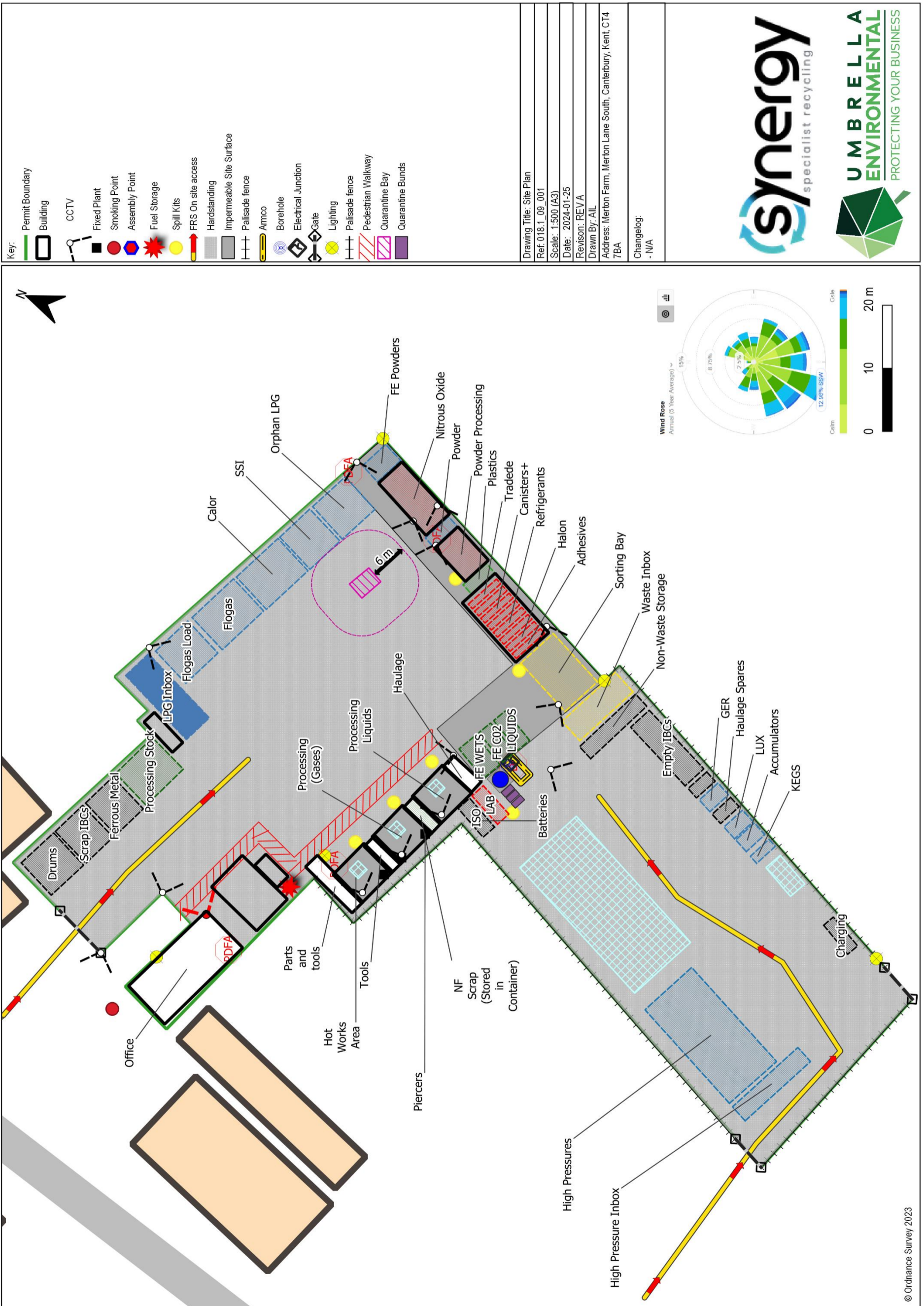
Drawing 3 018.1_09_007 10 km Sensitive Receptors



Drawing 4 018.1_09_008 Permit Extension

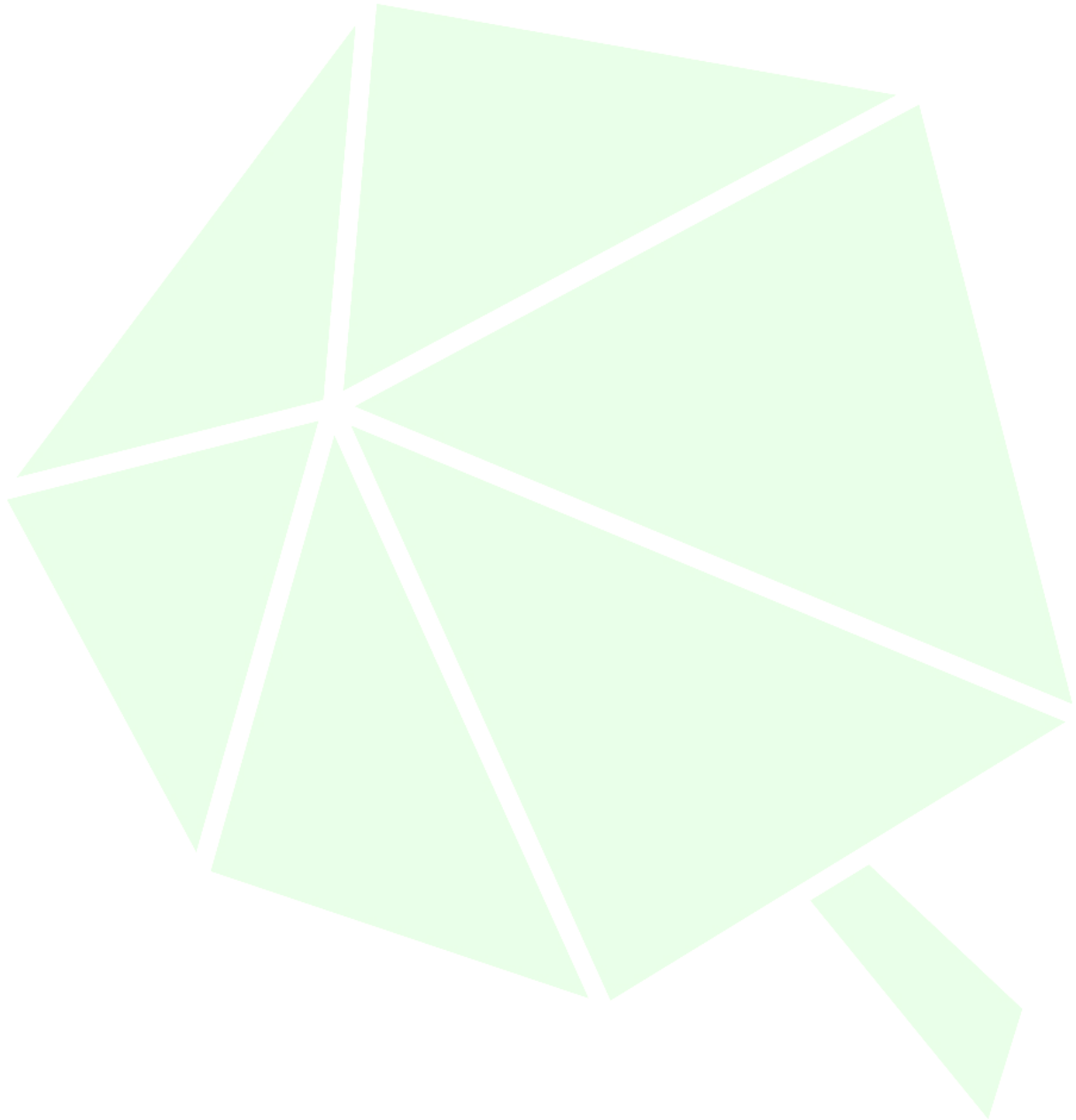


Drawing 5 018.1_09_004 Site Plan



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13 APPENDICES



Appendix 1 EMS-908089_1158290



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Order Details	Site Details
---------------	--------------

Date: 17/11/2023
Your ref: EMS_908089_1124851
Our Ref: EMS-908089_1158290

Location: 615065 155078
Area: 0.68 ha
Authority: [Canterbury City Council](#)



- [Summary of findings](#) [p. 2 >](#)
- [OS MasterMap site plan](#) [p.14 >](#)
- [Aerial image](#) [p. 9 >](#)
- [groundsure.com/insightuserguide](#) [↗](#)

Contact us with any questions at:
info@groundsure.com [↗](#)
01273 257 755





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Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	0	0	6	11	-
16 >	1.2 >	Historical tanks >	0	0	2	3	-
17 >	1.3 >	Historical energy features >	0	0	0	3	-
17	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	0	0	-
18	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
19 >	2.1 >	Historical industrial land uses >	0	0	7	14	-
20 >	2.2 >	Historical tanks >	0	0	3	7	-
21 >	2.3 >	Historical energy features >	0	0	0	5	-
21	2.4	Historical petrol stations	0	0	0	0	-
22	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
23	3.1	Active or recent landfill	0	0	0	0	-
23	3.2	Historical landfill (BGS records)	0	0	0	0	-
24	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
24	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
24	3.5	Historical waste sites	0	0	0	0	-
24 >	3.6 >	Licensed waste sites >	1	0	0	0	-
25 >	3.7 >	Waste exemptions >	0	1	96	0	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
33 >	4.1 >	Recent industrial land uses >	0	0	4	-	-
34	4.2	Current or recent petrol stations	0	0	0	0	-
34	4.3	Electricity cables	0	0	0	0	-
34	4.4	Gas pipelines	0	0	0	0	-
34	4.5	Sites determined as Contaminated Land	0	0	0	0	-



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35	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
35	4.7	Regulated explosive sites	0	0	0	0	-
35	4.8	Hazardous substance storage/usage	0	0	0	0	-
35	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
35	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
36	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
36	4.12	Radioactive Substance Authorisations	0	0	0	0	-
36	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
36	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
36	4.15	Pollutant release to public sewer	0	0	0	0	-
37	4.16	List 1 Dangerous Substances	0	0	0	0	-
37	4.17	List 2 Dangerous Substances	0	0	0	0	-
37 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	1	0	-
37	4.19	Pollution inventory substances	0	0	0	0	-
38	4.20	Pollution inventory waste transfers	0	0	0	0	-
38	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
39 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
40 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
42 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
43 >	5.4 >	<u>Groundwater vulnerability- soluble rock risk ></u>	Identified (within 0m)				
44	5.5	Groundwater vulnerability- local information	None (within 0m)				
45 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	5	5
48	5.7	Surface water abstractions	0	0	0	0	0
48 >	5.8 >	<u>Potable abstractions ></u>	0	0	0	0	1
48 >	5.9 >	<u>Source Protection Zones ></u>	1	0	1	0	-
49	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
50	6.1	Water Network (OS MasterMap)	0	0	0	-	-



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50	6.2	Surface water features	0	0	0	-	-
51 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
51 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
52 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
53	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
53	7.2	Historical Flood Events	0	0	0	-	-
53	7.3	Flood Defences	0	0	0	-	-
54	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
54	7.5	Flood Storage Areas	0	0	0	-	-
55	7.6	Flood Zone 2	None (within 50m)				
55	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
56	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding					
57 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
58	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
59	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
59	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
59	10.4	Special Protection Areas (SPA)	0	0	0	0	0
59	10.5	National Nature Reserves (NNR)	0	0	0	0	0
60	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
60 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	11
61	10.8	Biosphere Reserves	0	0	0	0	0
61	10.9	Forest Parks	0	0	0	0	0
61	10.10	Marine Conservation Zones	0	0	0	0	0
61	10.11	Green Belt	0	0	0	0	0
61	10.12	Proposed Ramsar sites	0	0	0	0	0



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62	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0			
62	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0			
62	10.15	Nitrate Sensitive Areas	0	0	0	0	0			
62	>	10.16	>	Nitrate Vulnerable Zones	>	2	0	0	0	7
64	>	10.17	>	SSSI Impact Risk Zones	>	2	-	-	-	-
65	10.18	SSSI Units	0	0	0	0	0			
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m			
66	11.1	World Heritage Sites	0	0	0	-	-			
67	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-			
67	11.3	National Parks	0	0	0	-	-			
67	>	11.4	>	Listed Buildings	>	0	0	2	-	-
68	11.5	Conservation Areas	0	0	0	-	-			
68	11.6	Scheduled Ancient Monuments	0	0	0	-	-			
68	11.7	Registered Parks and Gardens	0	0	0	-	-			
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m			
69	>	12.1	>	Agricultural Land Classification	>	Grade 2 (within 250m)				
70	12.2	Open Access Land	0	0	0	-	-			
70	>	12.3	>	Tree Felling Licences	>	0	0	4	-	-
71	>	12.4	>	Environmental Stewardship Schemes	>	0	1	5	-	-
71	>	12.5	>	Countryside Stewardship Schemes	>	0	0	1	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m			
72	13.1	Priority Habitat Inventory	0	0	0	-	-			
72	13.2	Habitat Networks	0	0	0	-	-			
72	13.3	Open Mosaic Habitat	0	0	0	-	-			
72	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			
73	>	14.1	>	10k Availability	>	Identified (within 500m)				
74	14.2	Artificial and made ground (10k)	0	0	0	0	-			
75	14.3	Superficial geology (10k)	0	0	0	0	-			



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75	14.4	Landslip (10k)	0	0	0	0	-
76	14.5	Bedrock geology (10k)	0	0	0	0	-
76	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
77 >	15.1 >	50k Availability >	Identified (within 500m)				
78	15.2	Artificial and made ground (50k)	0	0	0	0	-
78	15.3	Artificial ground permeability (50k)	0	0	-	-	-
79 >	15.4 >	Superficial geology (50k) >	0	0	1	0	-
80	15.5	Superficial permeability (50k)	None (within 50m)				
80	15.6	Landslip (50k)	0	0	0	0	-
80	15.7	Landslip permeability (50k)	None (within 50m)				
81 >	15.8 >	Bedrock geology (50k) >	2	0	0	0	-
82 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
82	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
83 >	16.1 >	BGS Boreholes >	0	0	1	-	-
Page	Section	Natural ground subsidence >					
84 >	17.1 >	Shrink swell clays >	Negligible (within 50m)				
86 >	17.2 >	Running sands >	Negligible (within 50m)				
88 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
90 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
92 >	17.5 >	Landslides >	Negligible (within 50m)				
94 >	17.6 >	Ground dissolution of soluble rocks >	Very low (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
96 >	18.1 >	BritPits >	0	0	0	1	-
97 >	18.2 >	Surface ground workings >	0	0	2	-	-
97	18.3	Underground workings	0	0	0	0	0
97	18.4	Underground mining extents	0	0	0	0	-
98	18.5	Historical Mineral Planning Areas	0	0	0	0	-



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98 >	18.6 >	Non-coal mining >	1	3	0	0	2
99	18.7	JPB mining areas	None (within 0m)				
99	18.8	The Coal Authority non-coal mining	0	0	0	0	-
99	18.9	Researched mining	0	0	0	0	-
100	18.10	Mining record office plans	0	0	0	0	-
100	18.11	BGS mine plans	0	0	0	0	-
100	18.12	Coal mining	None (within 0m)				
100	18.13	Brine areas	None (within 0m)				
100	18.14	Gypsum areas	None (within 0m)				
101	18.15	Tin mining	None (within 0m)				
101	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
102 >	19.1 >	Natural cavities >	0	0	0	1	-
103	19.2	Mining cavities	0	0	0	0	0
103	19.3	Reported recent incidents	0	0	0	0	-
103	19.4	Historical incidents	0	0	0	0	-
104	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
105 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
107 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	4	-	-	-
107	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
108	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
109	22.1	Underground railways (London)	0	0	0	-	-
109	22.2	Underground railways (Non-London)	0	0	0	-	-
109	22.3	Railway tunnels	0	0	0	-	-
109	22.4	Historical railway and tunnel features	0	0	0	-	-
109	22.5	Royal Mail tunnels	0	0	0	-	-



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110	22.6	Historical railways	0	0	0	-	-
110	22.7	Railways	0	0	0	-	-
110	22.8	Crossrail 1	0	0	0	0	-
110	22.9	Crossrail 2	0	0	0	0	-
110	22.10	HS2	0	0	0	0	-



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Recent aerial photograph



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Capture Date: 07/04/2021

Site Area: 0.68ha



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Recent site history - 2018 aerial photograph



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Capture Date: 08/08/2018

Site Area: 0.68ha



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Recent site history - 2012 aerial photograph



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Capture Date: 25/05/2012

Site Area: 0.68ha



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Recent site history - 2008 aerial photograph



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Capture Date: 20/09/2008

Site Area: 0.68ha



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Recent site history - 1999 aerial photograph



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Capture Date: 28/08/1999

Site Area: 0.68ha



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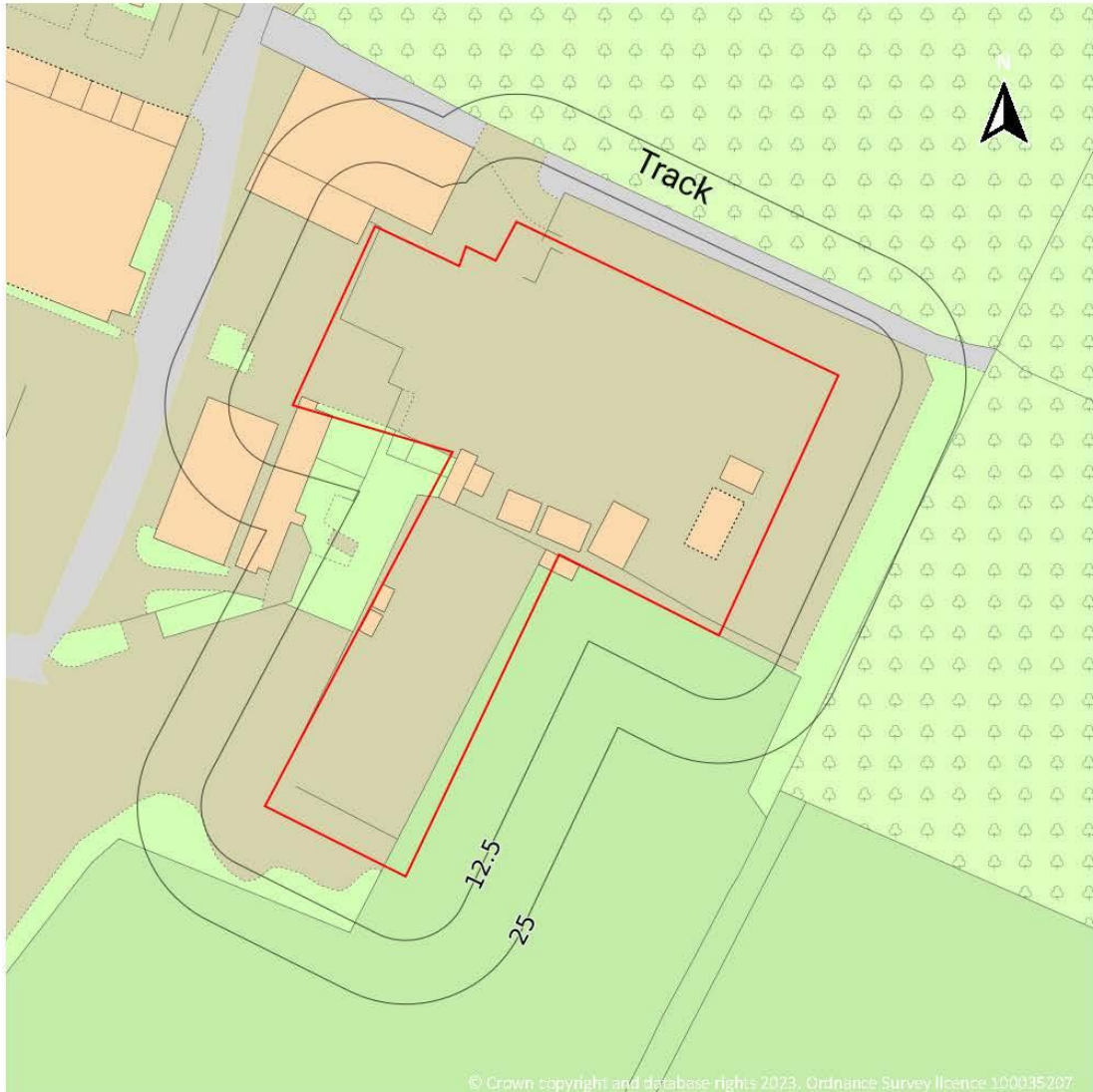




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OS MasterMap site plan



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Site Area: 0.68ha



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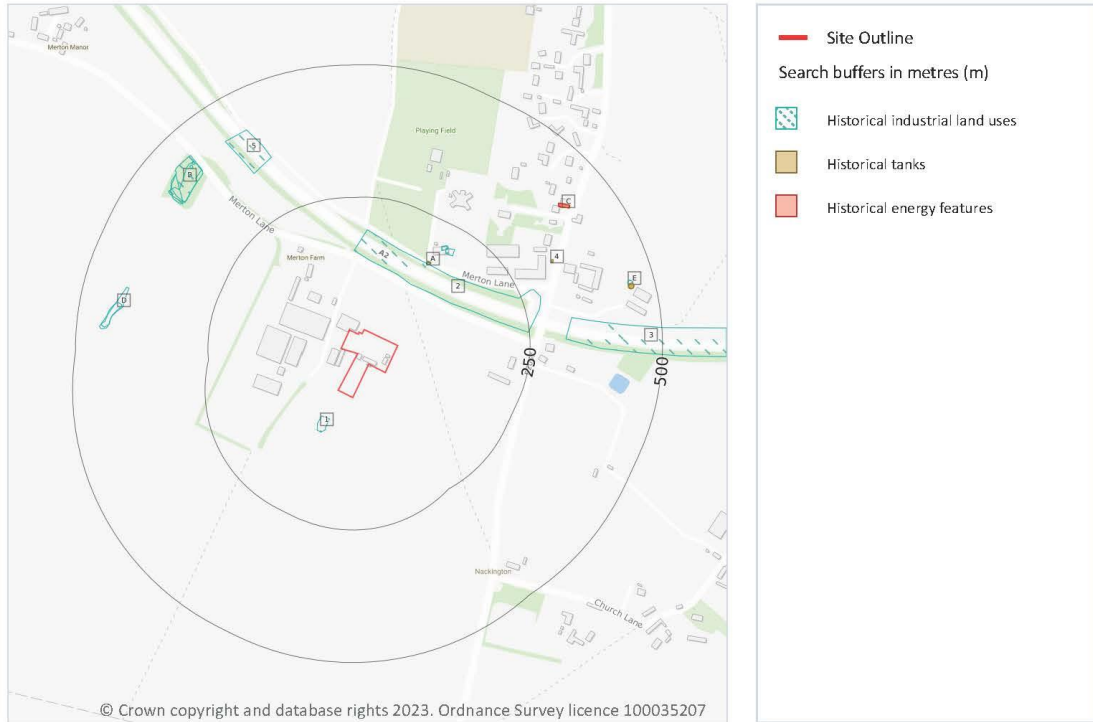




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1 Past land use



1.1 Historical industrial land uses

Records within 500m

17

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 15 >](#)

ID	Location	Land use	Dates present	Group ID
1	55m SW	Unspecified Pit	1873	2345913



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ID	Location	Land use	Dates present	Group ID
2	115m NE	Cuttings	1987	2347640
A	162m NE	Unspecified Tank	1906	2348048
A	196m NE	Unspecified Tank	1938	2358278
A	198m NE	Unspecified Tank	1977	2359234
A	198m NE	Unspecified Tank	1957 - 1970	2360715
3	318m E	Cuttings	1987	2347641
5	345m NW	Cuttings	1983 - 1990	2361726
B	392m NW	Unspecified Pit	1873	2345908
B	392m NW	Unspecified Quarry	1965	2346745
B	393m NW	Old Chalk Pit	1896	2350109
D	415m W	Unspecified Pit	1906 - 1938	2353129
D	421m W	Unspecified Ground Workings	1965 - 1973	2359527
B	426m NW	Lime Kilns	1873	2349772
B	428m NW	Lime Kilns	1873	2349771
E	450m E	Unspecified Tank	1977	2358020
E	450m E	Unspecified Tank	1987	2365090

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	5
----------------------------	----------

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'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	165m NE	Unspecified Tank	1898 - 1907	425044
A	165m NE	Unspecified Tank	1969	422313



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ID	Location	Land use	Dates present	Group ID
4	330m NE	Unspecified Tank	1874 - 1907	424131
E	449m E	Unspecified Tank	1982	424560
E	450m E	Unspecified Tank	1987 - 1995	424527

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	3
----------------------------	----------

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 15 >](#)

ID	Location	Land use	Dates present	Group ID
C	401m NE	Electricity Substation	1969 - 1987	302881
C	401m NE	Electricity Substation	1995	301484
C	402m NE	Electricity Substation	1995	301850

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'.

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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.



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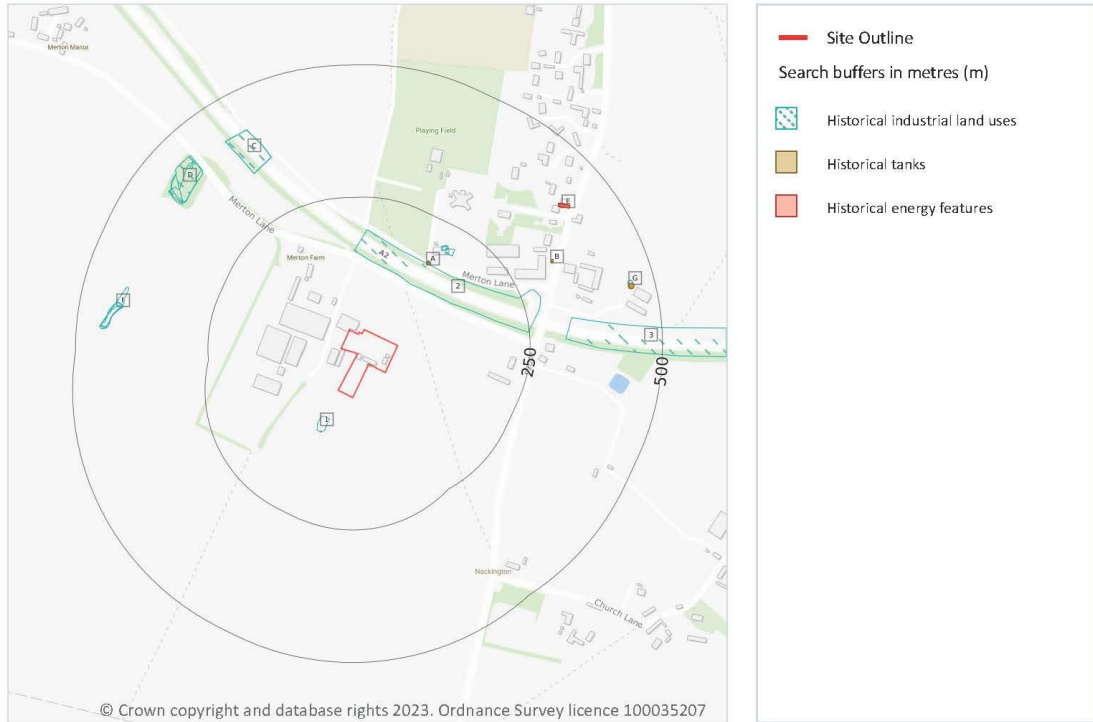




unspecified

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2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m	21
----------------------------	-----------

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 19](#) >

ID	Location	Land Use	Date	Group ID
1	55m SW	Unspecified Pit	1873	2345913
2	115m NE	Cuttings	1987	2347640
A	162m NE	Unspecified Tank	1906	2348048



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ID	Location	Land Use	Date	Group ID
A	196m NE	Unspecified Tank	1938	2358278
A	198m NE	Unspecified Tank	1977	2359234
A	198m NE	Unspecified Tank	1970	2360715
A	198m NE	Unspecified Tank	1957	2360715
3	318m E	Cuttings	1987	2347641
C	345m NW	Cuttings	1990	2361726
C	345m NW	Cuttings	1983	2361726
D	392m NW	Unspecified Pit	1873	2345908
D	392m NW	Unspecified Quarry	1965	2346745
D	393m NW	Old Chalk Pit	1896	2350109
F	415m W	Unspecified Pit	1906	2353129
F	418m W	Unspecified Pit	1938	2353129
F	421m W	Unspecified Ground Workings	1973	2359527
F	421m W	Unspecified Ground Workings	1965	2359527
D	426m NW	Lime Kilns	1873	2349772
D	428m NW	Lime Kilns	1873	2349771
G	450m E	Unspecified Tank	1987	2365090
G	450m E	Unspecified Tank	1977	2358020

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	10
----------------------------	-----------

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'.

Features are displayed on the Past land use - un-grouped map on [page 19 >](#)

ID	Location	Land Use	Date	Group ID
A	165m NE	Unspecified Tank	1898	425044
A	165m NE	Unspecified Tank	1907	425044



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ID	Location	Land Use	Date	Group ID
A	165m NE	Unspecified Tank	1969	422313
B	330m NE	Unspecified Tank	1874	424131
B	330m NE	Unspecified Tank	1898	424131
B	330m NE	Unspecified Tank	1907	424131
G	449m E	Unspecified Tank	1982	424560
G	450m E	Unspecified Tank	1995	424527
G	450m E	Unspecified Tank	1995	424527
G	451m E	Unspecified Tank	1987	424527

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

5

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 19 >](#)

ID	Location	Land Use	Date	Group ID
E	401m NE	Electricity Substation	1982	302881
E	401m NE	Electricity Substation	1995	301484
E	402m NE	Electricity Substation	1995	301850
E	402m NE	Electricity Substation	1987	302881
E	402m NE	Electricity Substation	1969	302881

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'.

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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.



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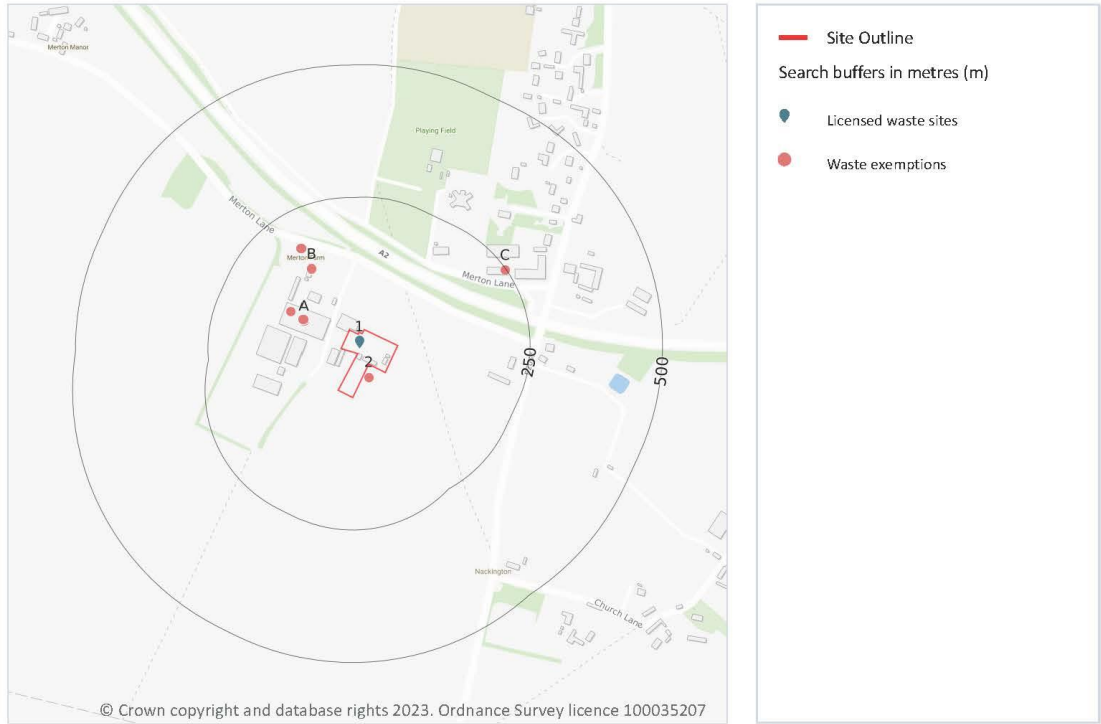




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3 Waste and landfill



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.



unspecified

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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	1
---------------------	---

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

Features are displayed on the Waste and landfill map on [page 23 >](#)

ID	Location	Details		
1	On site	Site Name: Merton Farm Site Address: Synergy Asset Services Limited, Merton Farm, Merton Lane South, Canterbury, Kent, CT4 7BA Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 649109 EPR reference: EA/EPR/FB3602HU Operator: Synergy Asset Services Limited Waste Management licence No: 404350 Annual Tonnage: 600	Issue Date: 27/03/2019 Effective Date: 27/03/2019 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 27/03/2019 Status: Issued



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

3.7 Waste exemptions

Records within 500m

97

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 23 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
2	11m S	-	WEX364602	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Using waste exemption	On a Farm	Use of waste in construction
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Storing waste exemption	On a Farm	Storage of sludge
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Storing waste exemption	On a Farm	Storage of waste in a secure place
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Storing waste exemption	On a Farm	Storage of waste in secure containers
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Disposing of waste exemption	On a Farm	Burning waste in the open
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Disposing of waste exemption	On a Farm	Disposal by incineration
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Disposing of waste exemption	On a Farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Disposing of waste exemption	On a Farm	Deposit of waste from dredging of inland waters
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Treating waste exemption	On a Farm	Aerobic composting and associated prior treatment



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ID	Location	Site	Reference	Category	Sub-Category	Description
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Treating waste exemption	On a Farm	Recovery of scrap metal
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Treating waste exemption	On a Farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Treating waste exemption	On a Farm	Screening and blending of waste
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Treating waste exemption	On a Farm	Preparatory treatments (baling, sorting, shredding etc)
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Treating waste exemption	On a Farm	Cleaning, washing, spraying or coating relevant waste
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Using waste exemption	On a Farm	Pig and poultry ash
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Using waste exemption	On a Farm	Incorporation of ash into soil
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Using waste exemption	On a Farm	Spreading of plant matter to confer benefit
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Using waste exemption	On a Farm	Use of mulch
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Using waste exemption	On a Farm	Spreading waste on non-agricultural land to confer benefit
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Using waste exemption	On a Farm	Spreading waste on agricultural land to confer benefit
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Using waste exemption	On a Farm	Use of waste for a specified purpose
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Using waste exemption	On a Farm	Use of sludge for the purposes of re-seeding a waste water treatment plant



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 Grid ref: 615065 155078

ID	Location	Site	Reference	Category	Sub-Category	Description
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX201852	Using waste exemption	On a Farm	Burning of waste as a fuel in a small appliance
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Using waste exemption	On a farm	Use of waste in construction
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Using waste exemption	On a farm	Use of sludge for the purposes of re-seeding a waste water treatment plant
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Using waste exemption	On a farm	Use of waste for a specified purpose
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Using waste exemption	On a farm	Use of mulch
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Using waste exemption	On a farm	Incorporation of ash into soil
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Using waste exemption	On a farm	Pig and poultry ash
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)



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ID	Location	Site	Reference	Category	Sub-Category	Description
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Treating waste exemption	On a farm	Screening and blending of waste
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Treating waste exemption	On a farm	Recovery of scrap metal
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Disposing of waste exemption	On a farm	Disposal by incineration
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Disposing of waste exemption	On a farm	Burning waste in the open
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Storing waste exemption	On a farm	Storage of waste in secure containers
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Storing waste exemption	On a farm	Storage of waste in a secure place
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Storing waste exemption	On a farm	Storage of sludge
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX333628	Treating waste exemption	On a farm	Treatment of waste in a biobed or biofilter
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX243198	Storing waste exemption	Not on a farm	Storage of waste in a secure place



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ID	Location	Site	Reference	Category	Sub-Category	Description
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX243200	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX243200	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX243200	Treating waste exemption	Not on a farm	Sorting mixed waste
A	85m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX243200	Treating waste exemption	Not on a farm	Manual treatment of waste
A	85m NW	-	WEX270092	Using waste exemption	On a Farm	Use of waste in construction
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX109882	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX074969	Storing waste exemption	On a farm	Storage of waste in a secure place
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Disposing of waste exemption	On a farm	Deposit of waste from a portable sanitary convenience
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Disposing of waste exemption	On a farm	Disposal by incineration
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Disposing of waste exemption	On a farm	Burning waste in the open
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Storing waste exemption	On a farm	Storage of waste in secure containers
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Storing waste exemption	On a farm	Storage of waste in a secure place



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ID	Location	Site	Reference	Category	Sub-Category	Description
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX047023	Using waste exemption	On a farm	Use of waste for a specified purpose
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX059321	Treating waste exemption	On a farm	Treatment of waste in a biobed or biofilter
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX061624	Storing waste exemption	On a farm	Storage of waste in secure containers
A	87m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX061644	Storing waste exemption	On a farm	Storage of waste in a secure place
A	87m NW	MERTON FARM, MERTON LANE SOUTH, CANTERBURY, CT4 7BA	WEX010164	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	115m NW	Merton Farm Merton Lane South Canterbury Kent CT4 7BA	EPR/AE5383N A/A001	Treating waste exemption	Agricultural Waste Only	Treatment of waste in a biobed or biofilter
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/VE5441CJ /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction



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ID	Location	Site	Reference	Category	Sub-Category	Description
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of waste from a portable sanitary convenience
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Disposing of waste exemption	Agricultural Waste Only	Disposal by incineration
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Treating waste exemption	Agricultural Waste Only	Aerobic composting and associated prior treatment
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Using waste exemption	Agricultural Waste Only	Use of waste in construction
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Disposing of waste exemption	Both agricultural and non- agricultural waste	Deposit of waste from dredging of inland waters
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Storing waste exemption	Both agricultural and non- agricultural waste	Storage of waste in secure containers
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Storing waste exemption	Both agricultural and non- agricultural waste	Storage of waste in a secure place
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Treating waste exemption	Both agricultural and non- agricultural waste	Cleaning, washing, spraying or coating relevant waste
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Treating waste exemption	Both agricultural and non- agricultural waste	Preparatory treatments (baling, sorting, shredding etc)



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ID	Location	Site	Reference	Category	Sub-Category	Description
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
B	135m NW	Merton Farm Merton Lane CANTERBURY Kent CT4 7BA	EPR/CE5788G G/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
B	136m NW	Merton Farm Merton Lane South Canterbury Kent CT4 7BA	EPR/FE5287CA /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
B	178m NW	Synergy, Merton Farm, Merton Lane South, Canterbury, Kent, CT4 7BA	WEX127454	Treating waste exemption	Not on a farm	Sorting mixed waste
B	178m NW	Synergy, Merton Farm, Merton Lane South, Canterbury, Kent, CT4 7BA	WEX127454	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	178m NW	Synergy, Merton Farm, Merton Lane South, Canterbury, Kent, CT4 7BA	WEX127454	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	178m NW	MERTON FARM, MERTON LANE, CANTERBURY, CT4 7BA	WEX127996	Using waste exemption	On a farm	Use of waste in construction
C	247m NE	3, MERTON LANE, CANTERBURY, CT4 7BA	WEX207101	Treating waste exemption	On a Farm	Treatment of waste in a biobed or biofilter
C	247m NE	3, MERTON LANE, CANTERBURY, CT4 7BA	WEX337999	Treating waste exemption	On a farm	Treatment of waste in a biobed or biofilter

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



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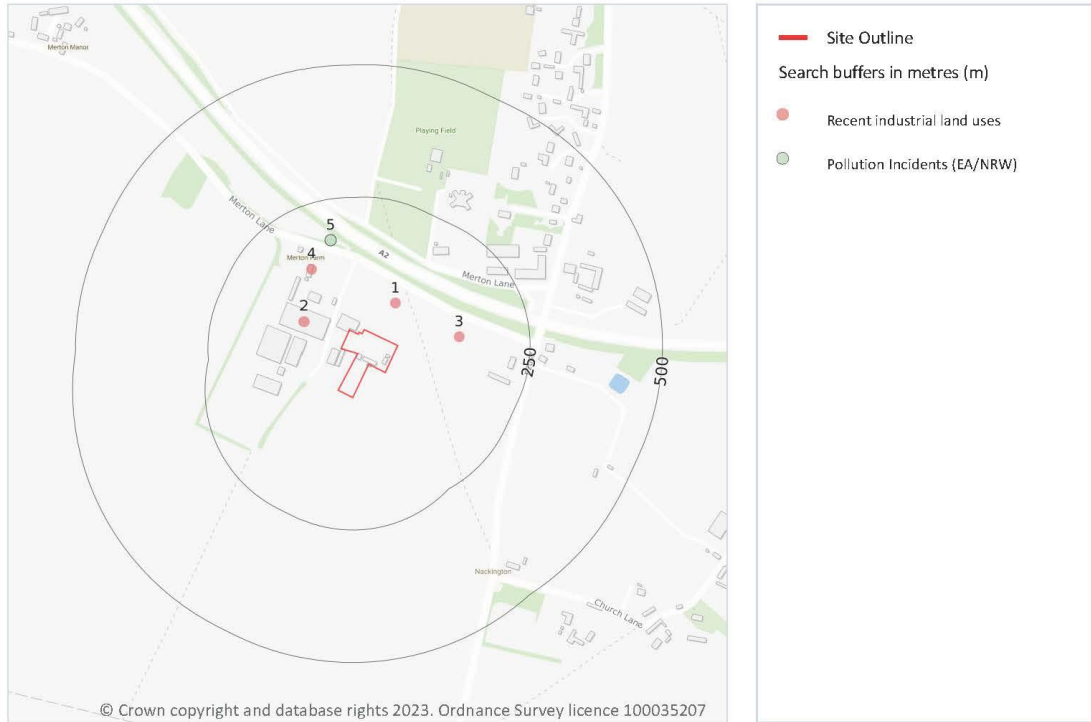




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4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m

4

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 33 >](#)

ID	Location	Company	Address	Activity	Category
1	70m NE	Mast (Communication)	Kent, CT4	Telecommunications Features	Infrastructure and Facilities
2	85m NW	A C Hulme & Sons	Merton Farm, Merton Lane, Lower Hardres, Kent, CT4 7BA	Livestock Farming	Farming



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ID	Location	Company	Address	Activity	Category
3	117m E	Mast (Communication)	Kent, CT4	Telecommunications Features	Infrastructure and Facilities
4	136m NW	Synergy	Merton Farm, Merton Lane South, Canterbury, Kent, CT4 7BA	Recycling, Reclamation and Disposal	Recycling Services

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.



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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.



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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.



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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 33 >](#)

ID	Location	Details
5	173m N	Incident Date: 27/04/2002 Incident Identification: 75138 Pollutant: Oils and Fuel Pollutant Description: Other Oil or Fuel Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) 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.



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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.



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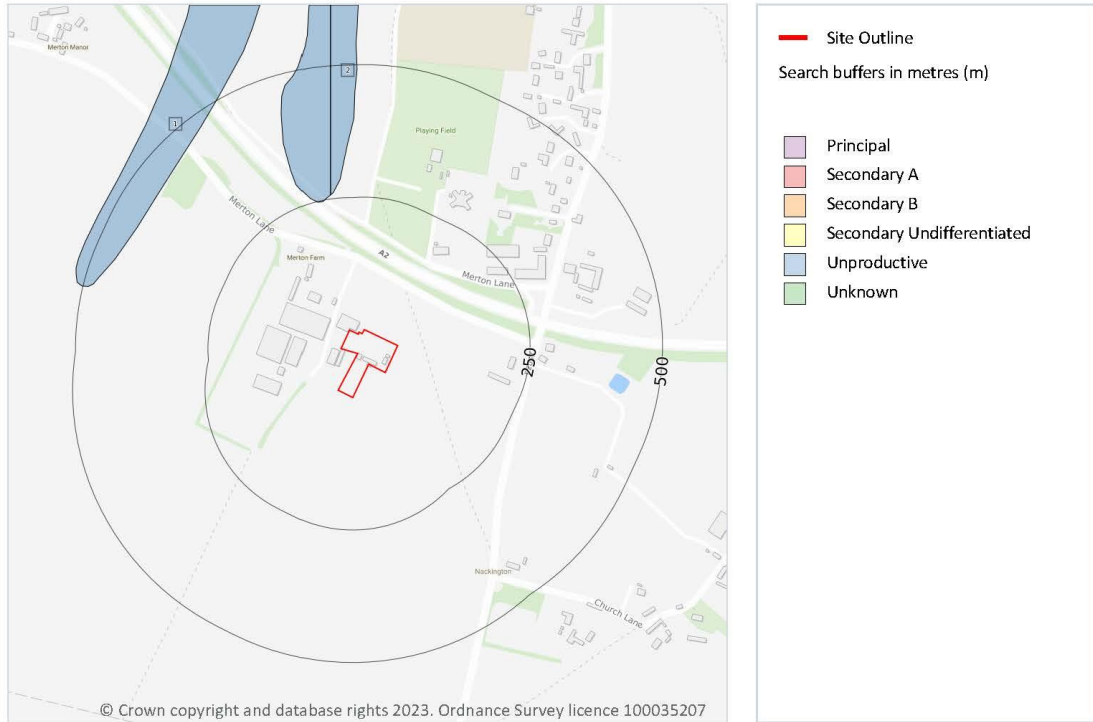




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5 Hydrogeology - Superficial aquifer



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 39](#) >

ID	Location	Designation	Description
1	248m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
2	258m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

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



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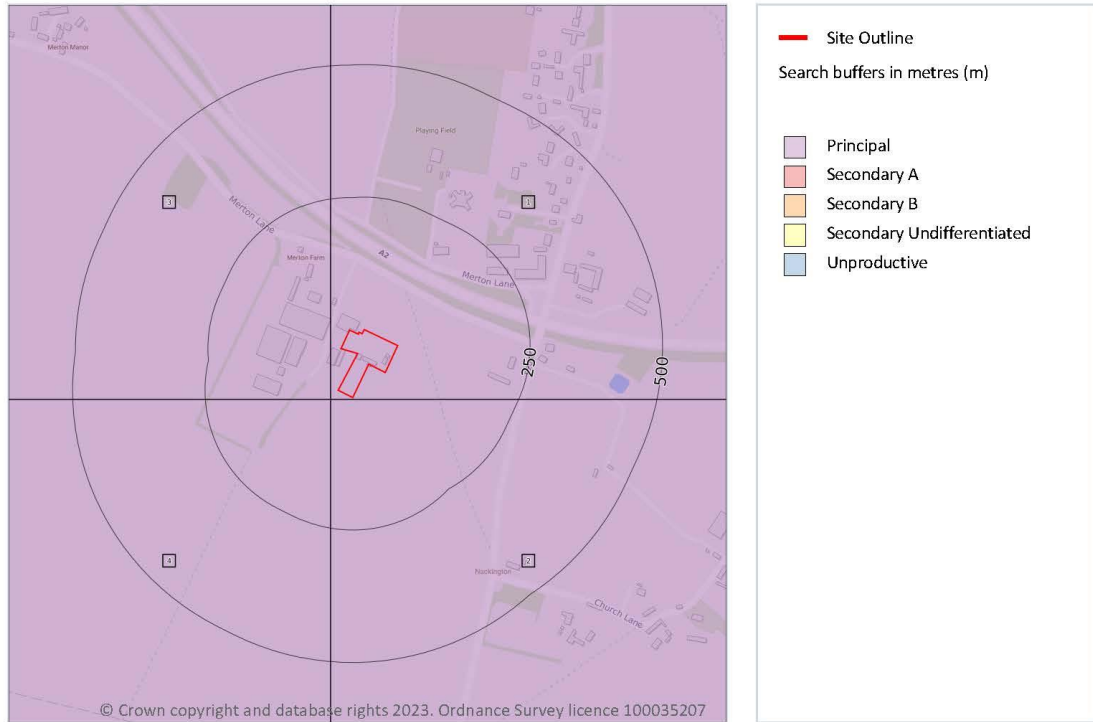




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Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m 4

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 40 >](#)

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	4m S	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



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ID	Location	Designation	Description
3	14m SW	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
4	22m SW	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.



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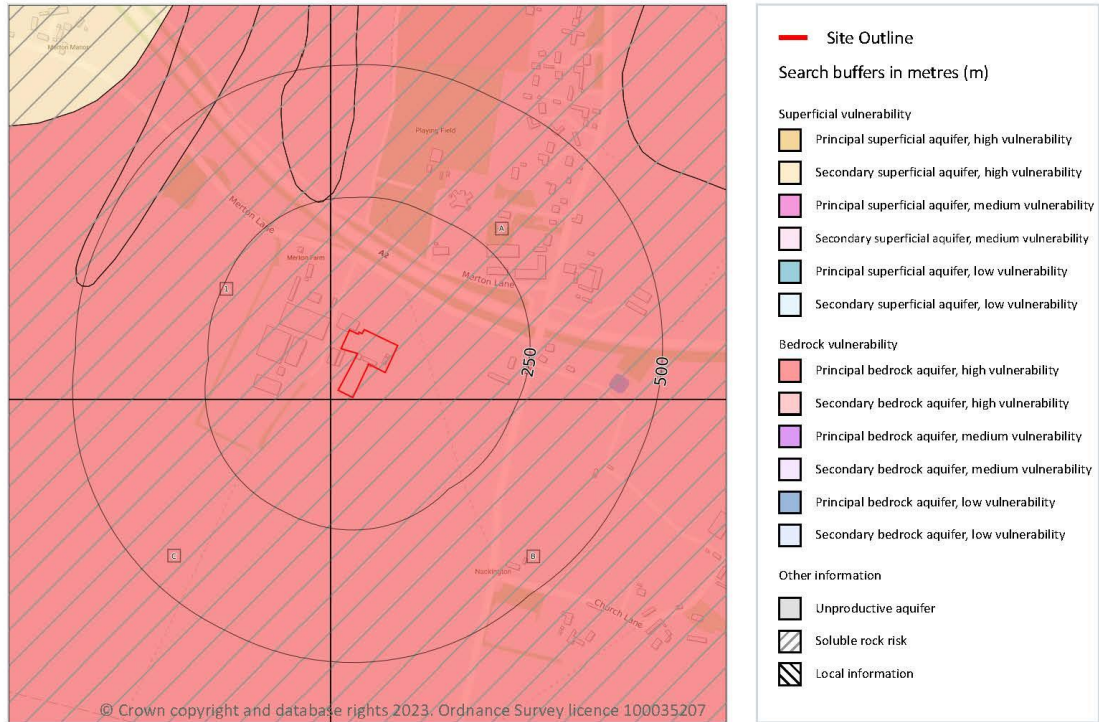




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Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m	4
---------------------------	----------

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 42 >](#)



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 Grid ref: 615065 155078

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
A	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: High	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
B	3m S	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
1	14m SW	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: High	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
C	22m SW	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/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
A	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.	9.0%

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



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unspecified

Ref: EMS-908089_1158290
Your ref: EMS_908089_1124851
Grid ref: 615065 155078

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.



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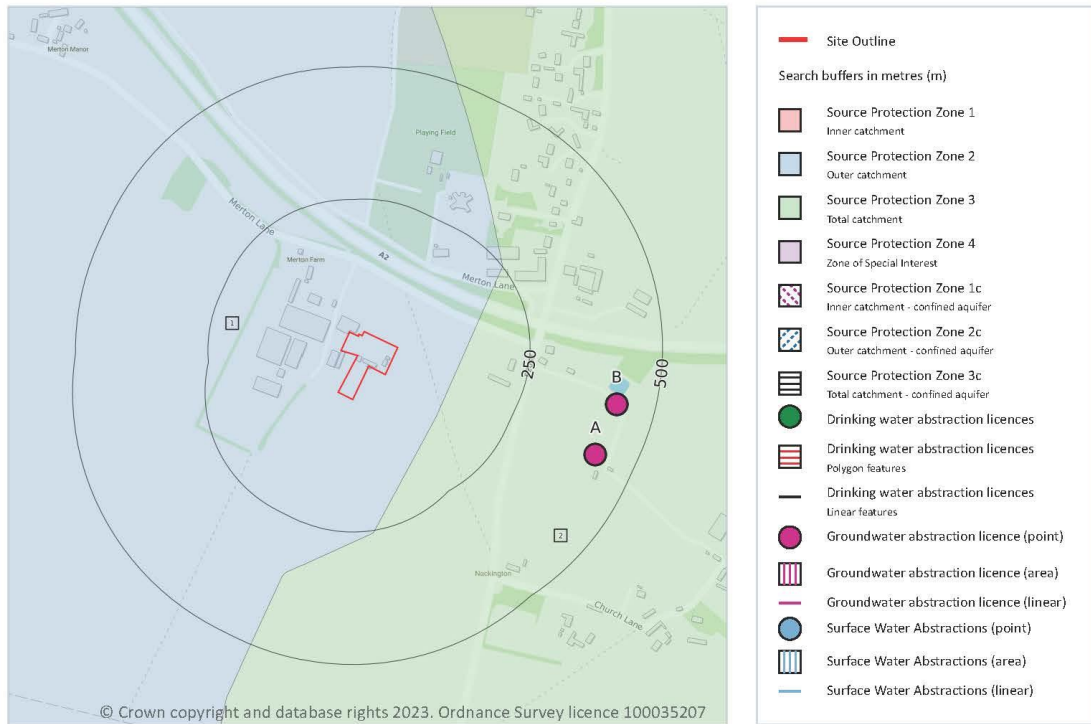




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Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m	10
----------------------	-----------

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 45](#) >



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unspecified

Ref: EMS-908089_1158290
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 Grid ref: 615065 155078

ID	Location	Details	
A	423m E	Status: Historical Licence No: 10/034 Details: Spray Irrigation - Storage Direct Source: Southern Region Groundwater Point: POINT A AT NACKINGTON Data Type: Point Name: Finn Easting: 615500 Northing: 154900	Annual Volume (m ³): 68181 Max Daily Volume (m ³): 568 Original Application No: - Original Start Date: 18/11/1996 Expiry Date: - Issue No: 100 Version Start Date: 23/10/2006 Version End Date: -
A	423m E	Status: Historical Licence No: 10/033 Details: Spray Irrigation - Storage Direct Source: Southern Region Groundwater Point: POINT A AT NACKINGTON Data Type: Point Name: Pett Valley Farms Easting: 615500 Northing: 154900	Annual Volume (m ³): 68181 Max Daily Volume (m ³): 568 Original Application No: - Original Start Date: 18/11/1996 Expiry Date: - Issue No: 101 Version Start Date: 27/02/2017 Version End Date: -
B	426m E	Status: Active Licence No: 10/034 Details: Spray Irrigation - Storage Direct Source: Southern Region Groundwater Point: POINT A AT NACKINGTON Data Type: Point Name: Finn Easting: 615540 Northing: 154995	Annual Volume (m ³): 24000 Max Daily Volume (m ³): 568 Original Application No: NPS/WR/034045 Original Start Date: 18/11/1996 Expiry Date: - Issue No: 102 Version Start Date: 02/07/2020 Version End Date: -
B	426m E	Status: Active Licence No: 10/033 Details: Trickle Irrigation - Storage Direct Source: Southern Region Groundwater Point: POINT A AT NACKINGTON Data Type: Point Name: F W Mansfield & Son Easting: 615540 Northing: 154995	Annual Volume (m ³): 68181 Max Daily Volume (m ³): 568 Original Application No: NPS/WR/035225 Original Start Date: 18/11/1996 Expiry Date: - Issue No: 103 Version Start Date: 29/04/2021 Version End Date: -
B	426m E	Status: Active Licence No: 10/033 Details: Spray Irrigation - Storage Direct Source: Southern Region Groundwater Point: POINT A AT NACKINGTON Data Type: Point Name: F W Mansfield & Son Easting: 615540 Northing: 154995	Annual Volume (m ³): 68181 Max Daily Volume (m ³): 568 Original Application No: NPS/WR/035225 Original Start Date: 18/11/1996 Expiry Date: - Issue No: 103 Version Start Date: 29/04/2021 Version End Date: -



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Ref: EMS-908089_1158290
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 Grid ref: 615065 155078

ID	Location	Details	
-	1646m N	Status: Active Licence No: SO/040/0009/014 Details: Heat Pump Direct Source: Southern Region Groundwater Point: BOREHOLE A @ 33 ETHELBERT ROAD Data Type: Point Name: Michael Head Easting: 615461 Northing: 156729	Annual Volume (m ³): 23000 Max Daily Volume (m ³): 168 Original Application No: NPS/WR/028580 Original Start Date: 21/12/2016 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 19/06/2018 Version End Date: -
-	1878m SE	Status: Active Licence No: SO/040/0009/025 Details: Trickle Irrigation - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE A AT MIDDLE PETT FARM Data Type: Point Name: F W Mansfield & Son Easting: 616757 Northing: 154159	Annual Volume (m ³): 136087 Max Daily Volume (m ³): 1879 Original Application No: NPS/WR/032100 Original Start Date: 22/03/2022 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 08/11/2022 Version End Date: -
-	1878m SE	Status: Historical Licence No: SO/040/0009/025 Details: Trickle Irrigation - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE A AT MIDDLE PETT FARM Data Type: Point Name: F W Mansfield & Son Easting: 616757 Northing: 154159	Annual Volume (m ³): 70525 Max Daily Volume (m ³): 1269 Original Application No: NPS/NA/000922 Original Start Date: 22/03/2022 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 22/03/2022 Version End Date: -
-	1889m W	Status: Active Licence No: SO/040/0010/010 Details: Trickle Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT A AT NEW HOUSE FARM Data Type: Point Name: C H KING AND SONS Easting: 613128 Northing: 154903	Annual Volume (m ³): 14614 Max Daily Volume (m ³): 168 Original Application No: NPS/NA/001314 Original Start Date: 21/03/2022 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 21/03/2022 Version End Date: -
-	1924m NW	Status: Active Licence No: 9/40/04/0427/G Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: FOUR BOREHOLES AT THANINGTON PS Data Type: Poly4 Name: South East Water Ltd Easting: 613760 Northing: 156720	Annual Volume (m ³): 11615030 Max Daily Volume (m ³): 34095 Original Application No: NPS/WR/005486 Original Start Date: 26/06/1978 Expiry Date: - Issue No: 102 Version Start Date: 27/10/2010 Version End Date: -

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



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 Grid ref: 615065 155078

5.7 Surface water abstractions

Records within 2000m	0
----------------------	---

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.

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

5.8 Potable abstractions

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

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 45 >](#)

ID	Location	Details
-	1924m NW	Status: Active Licence No: 9/40/04/0427/G Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: FOUR BOREHOLES AT THANINGTON PS Data Type: Poly4 Name: South East Water Ltd Easting: 613760 Northing: 156720
		Annual Volume (m ³): 11615030 Max Daily Volume (m ³): 34095 Original Application No: NPS/WR/005486 Original Start Date: 26/06/1978 Expiry Date: - Issue No: 102 Version Start Date: 27/10/2010 Version End Date: -

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

5.9 Source Protection Zones

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

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 45 >](#)

ID	Location	Type	Description
1	On site	2	Outer catchment
2	119m E	3	Total catchment

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



unspecified

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5.10 Source Protection Zones (confined aquifer)

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

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.

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



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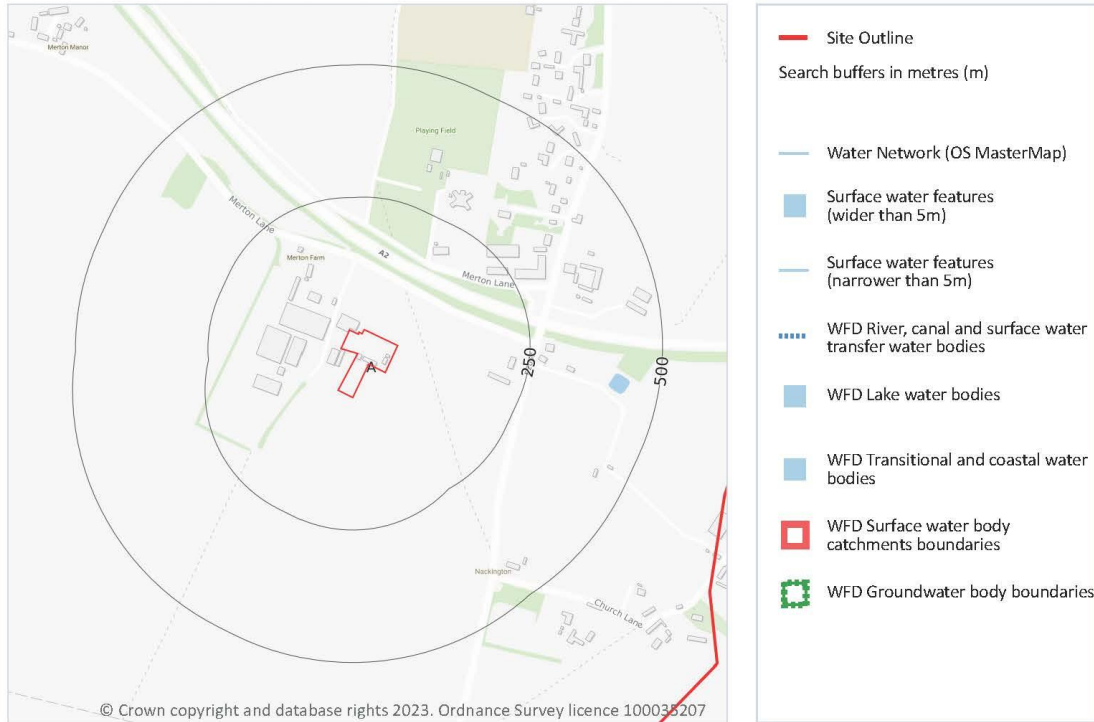




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6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m	0
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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	0
----------------------------	----------

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.



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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 50 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Great Stour between A2 and West Stourmouth	GB107040019743	Stour Lower	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 50 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2445m NW	River	Great Stour between A2 and West Stourmouth	GB107040019743 ↗	Moderate	Fail	Moderate	2019

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



unspecified

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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 50 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	East Kent Chalk - Stour	GB40701G501500 ↗	Poor	Poor	Poor	2019

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



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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.



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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.



unspecified

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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.



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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

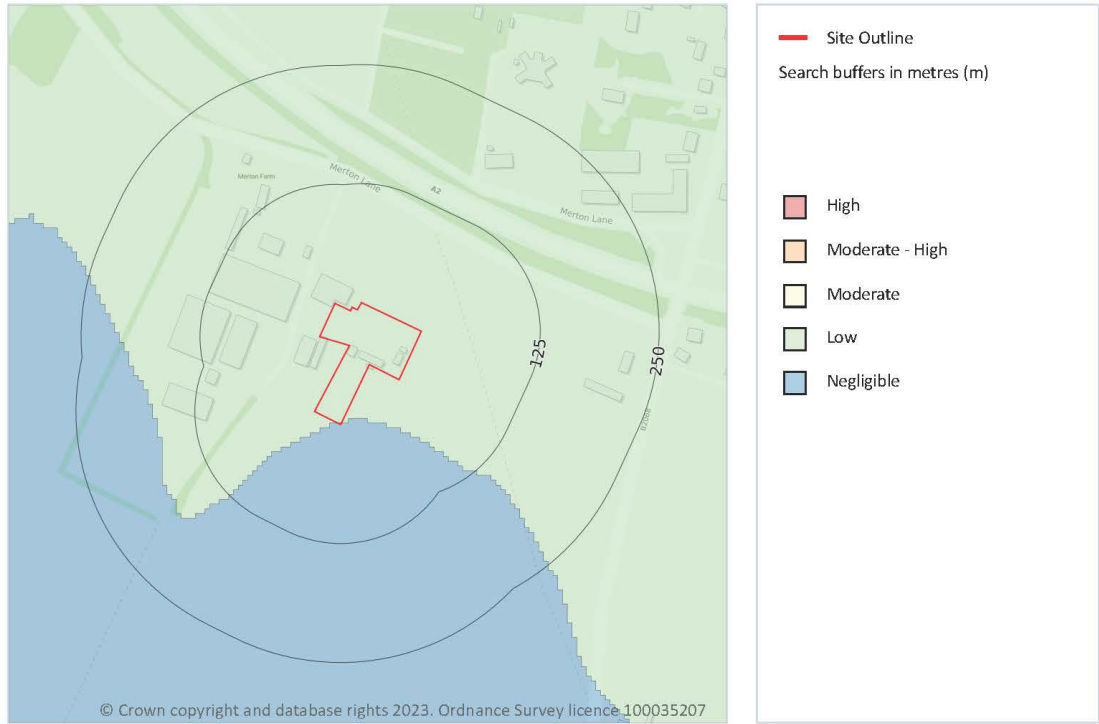
This data is sourced from Ambiental Risk Analytics.



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Ref: EMS-908089_1158290
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9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site	Low
Highest risk within 50m	Low

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 57 >](#)

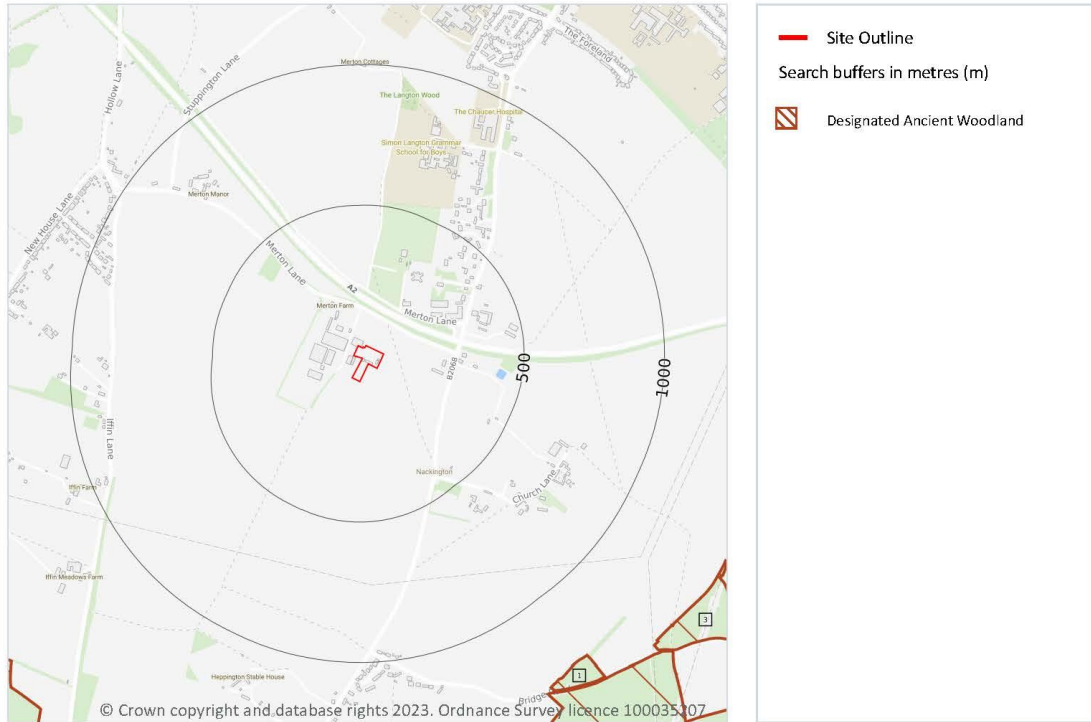
This data is sourced from Ambiental Risk Analytics.



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Ref: EMS-908089_1158290
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10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m **0**

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.

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



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10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0
----------------------	---

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.

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0
----------------------	---

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.

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0
----------------------	---

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.

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0
----------------------	---

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.

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



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10.6 Local Nature Reserves (LNR)

Records within 2000m	0
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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	11
----------------------	----

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.

Features are displayed on the Environmental designations map on [page 58 >](#)

ID	Location	Name	Woodland Type
1	1262m SE	Whitehill Wood	Ancient & Semi-Natural Woodland
2	1296m SE	Whitehill Wood	Ancient & Semi-Natural Woodland
3	1389m SE	Whitehill Wood	Ancient & Semi-Natural Woodland
-	1546m W	Long/oakfield Shaws	Ancient Replanted Woodland
5	1575m SW	Long/oakfield Shaws	Ancient & Semi-Natural Woodland
-	1600m E	Three Corner Piece	Ancient & Semi-Natural Woodland
-	1653m SW	Long/oakfield Shaws	Ancient Replanted Woodland
-	1762m W	Long/oakfield Shaws	Ancient & Semi-Natural Woodland
-	1979m SW	Long/oakfield Shaws	Ancient & Semi-Natural Woodland
-	1994m W	Larkey Valley Wood	Ancient & Semi-Natural Woodland
-	1999m SW	Unknown	Ancient & Semi-Natural Woodland

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



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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.



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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	9
----------------------	---

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	R. GREAT STOUR NVZ	Surface Water	515	Existing



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unspecified

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 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

Location	Name	Type	NVZ ID	Status
On site	Patixbourne	Groundwater	158	Existing
850m N	R. GREAT STOUR NVZ	Surface Water	515	Existing
850m N	Patixbourne	Groundwater	158	Existing
922m W	R. GREAT STOUR NVZ	Surface Water	515	Existing
922m W	Patixbourne	Groundwater	158	Existing
1271m NW	R. GREAT STOUR NVZ	Surface Water	515	Existing
1271m NW	Patixbourne	Groundwater	158	Existing
1971m NE	Patixbourne	Groundwater	158	Existing

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



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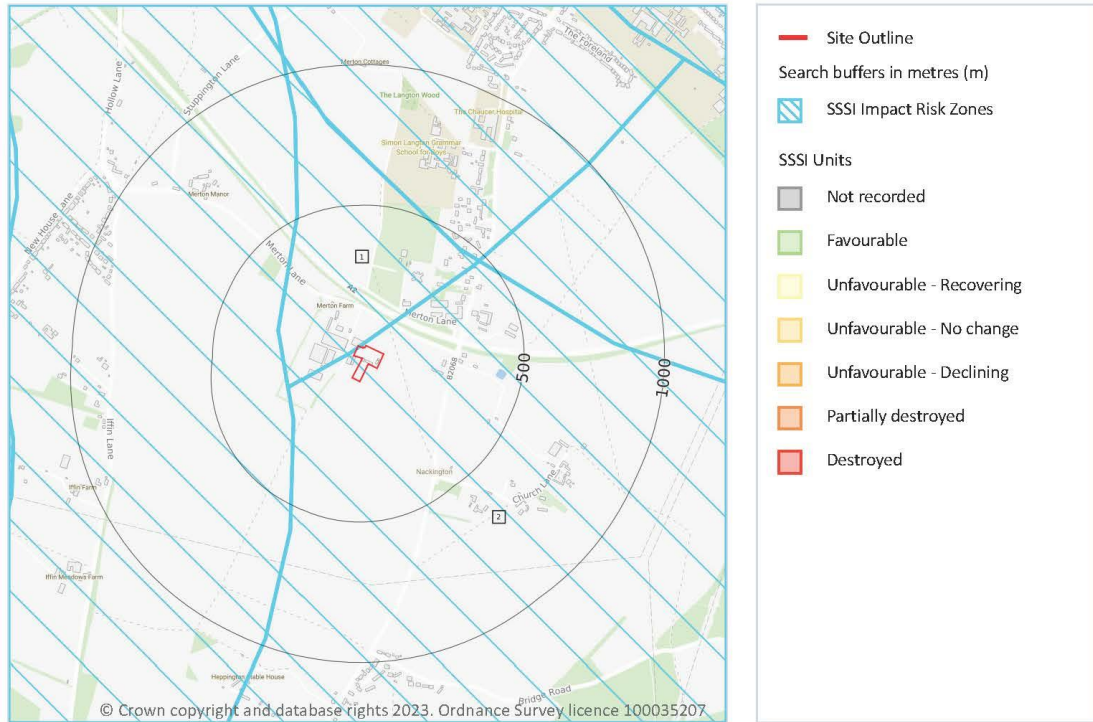




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 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

2

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 64](#) >



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ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t)</p> <p>Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream</p> <p>Notes: NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>
2	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.</p> <p>Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream</p> <p>Notes: NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0
----------------------	---

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.

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



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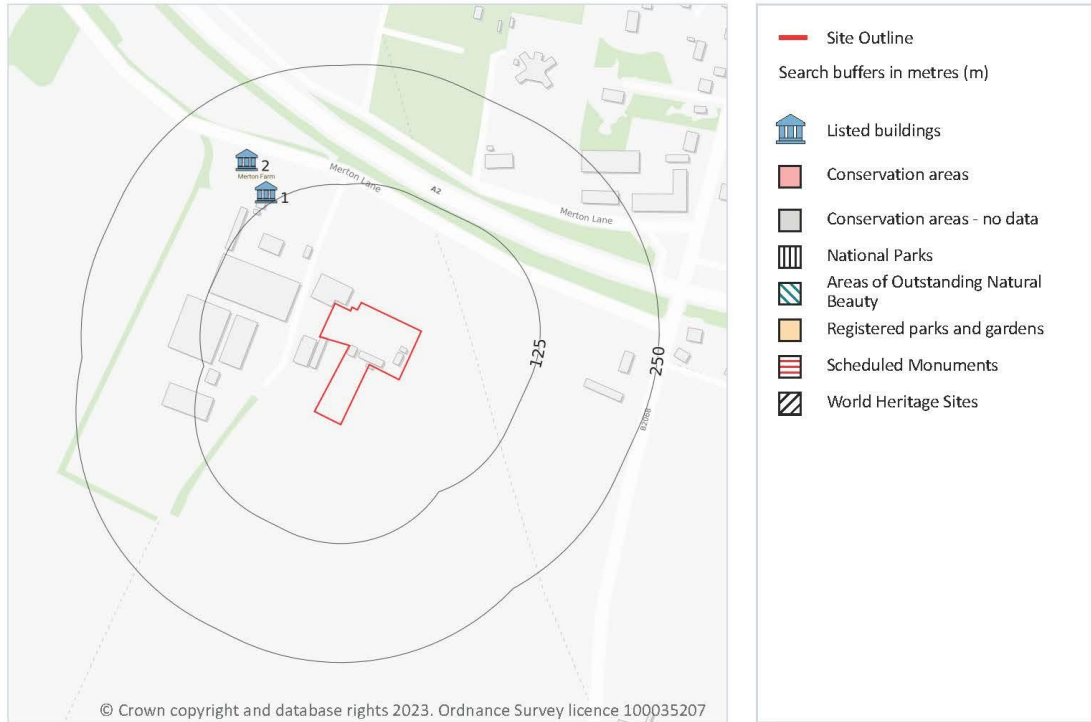




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Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
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11 Visual and cultural designations



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.



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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	2
---------------------	---

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 66 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
1	137m NW	Merton Farmhouse	II	1096956	03/12/1949
2	177m NW	Building To Right Of Merton Farmhouse	II	1334308	07/09/1973

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



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11.5 Conservation Areas

Records within 250m	0
---------------------	---

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.

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.



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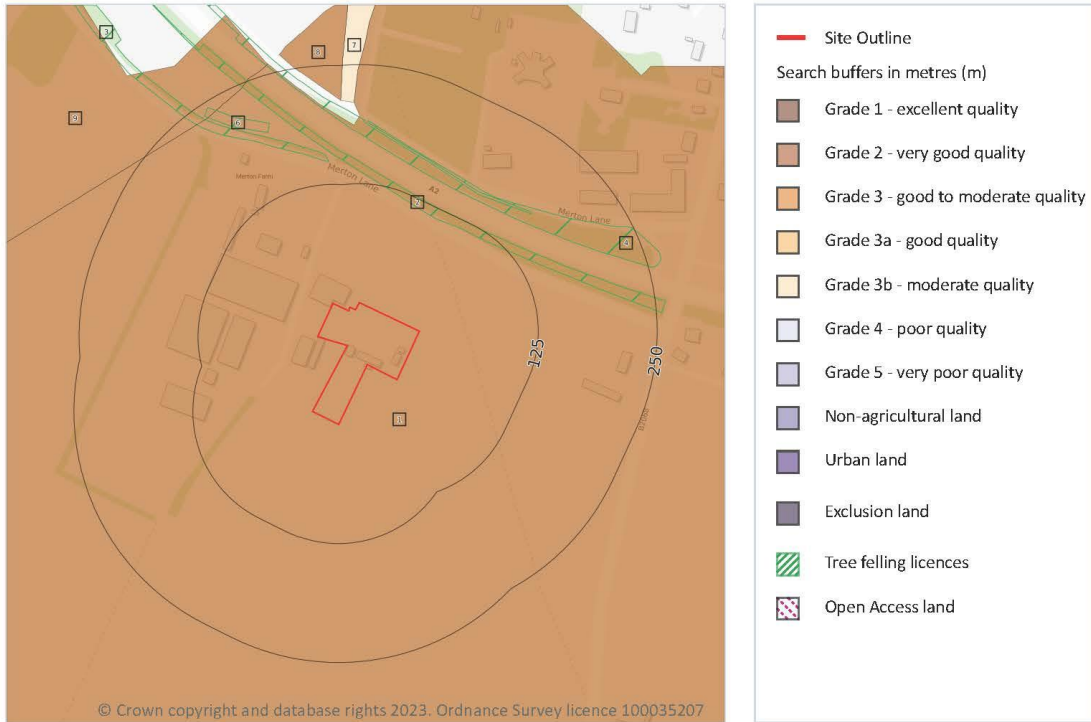




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Ref: EMS-908089_1158290
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12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

4

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 69](#) >



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unspecified

Ref: EMS-908089_1158290
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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.
7	211m N	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
8	213m N	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.
9	235m NW	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.

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	4
---------------------	---

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.

Features are displayed on the Agricultural designations map on [page 69 >](#)



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ID	Location	Description	Reference	Application date
2	114m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
3	149m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-
4	150m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
6	192m NW	Selective Fell/Thin (Conditional)	019/70/98-99	08/12/1998

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	6
----------------------------	----------

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.

Location	Reference	Scheme	Start Date	End date
15m N	AG00266162	Entry Level plus Higher Level Stewardship	01/05/2008	30/04/2018
73m N	AG00266162	Entry Level plus Higher Level Stewardship	01/05/2008	30/04/2018
129m NW	AG00266162	Entry Level plus Higher Level Stewardship	01/05/2008	30/04/2018
149m N	AG00266162	Entry Level plus Higher Level Stewardship	01/05/2008	30/04/2018
171m SW	AG00266162	Entry Level plus Higher Level Stewardship	01/05/2008	30/04/2018
190m N	AG00266162	Entry Level plus Higher Level Stewardship	01/05/2008	30/04/2018

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	1
----------------------------	----------

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.

Location	Reference	Scheme	Start Date	End Date
182m NE	623942	Countryside Stewardship (Higher Tier)	01/01/2019	31/12/2023

This data is sourced from Natural England.



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13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m	0
---------------------	---

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0
---------------------	---

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.

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.



unspecified

Ref: EMS-908089_1158290
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14 Geology 1:10,000 scale - Availability



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 73 >](#)

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.



unspecified

Ref: EMS-908089_1158290
Your ref: EMS_908089_1124851
Grid ref: 615065 155078

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.



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 Your ref: EMS_908089_1124851
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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.



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 Grid ref: 615065 155078

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.



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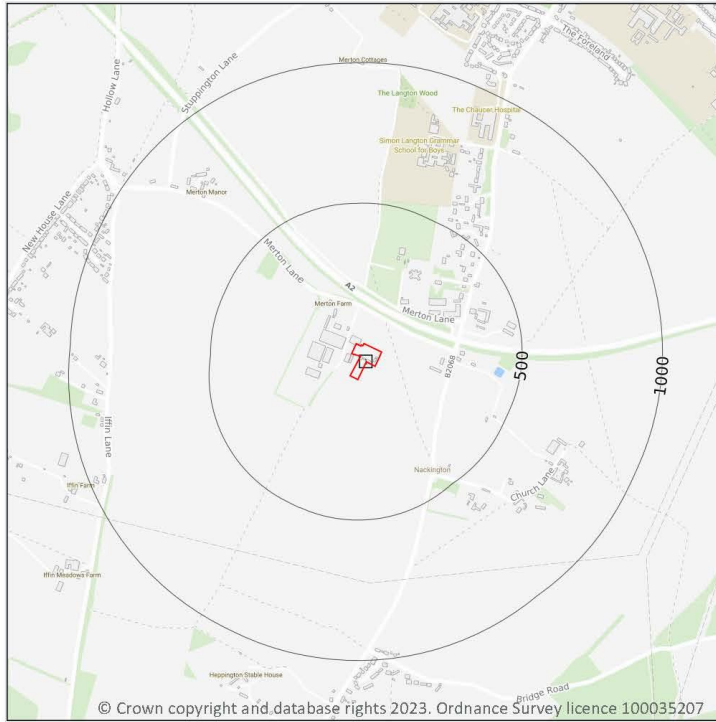




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Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

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 77](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	Full	EW289_canterbury_v4

This data is sourced from the British Geological Survey.



unspecified

Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

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).

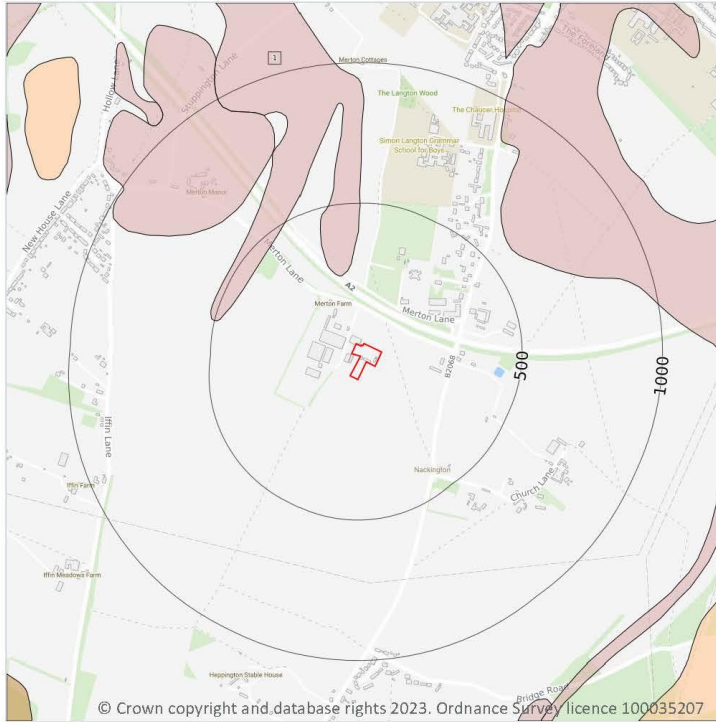
This data is sourced from the British Geological Survey.



unspecified

Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m **1**

Superficial geological deposits at 1:50,000 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.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 79 >](#)

ID	Location	LEX Code	Description	Rock description
1	248m N	HEAD-XCZ	HEAD	CLAY AND SILT

This data is sourced from the British Geological Survey.



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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).

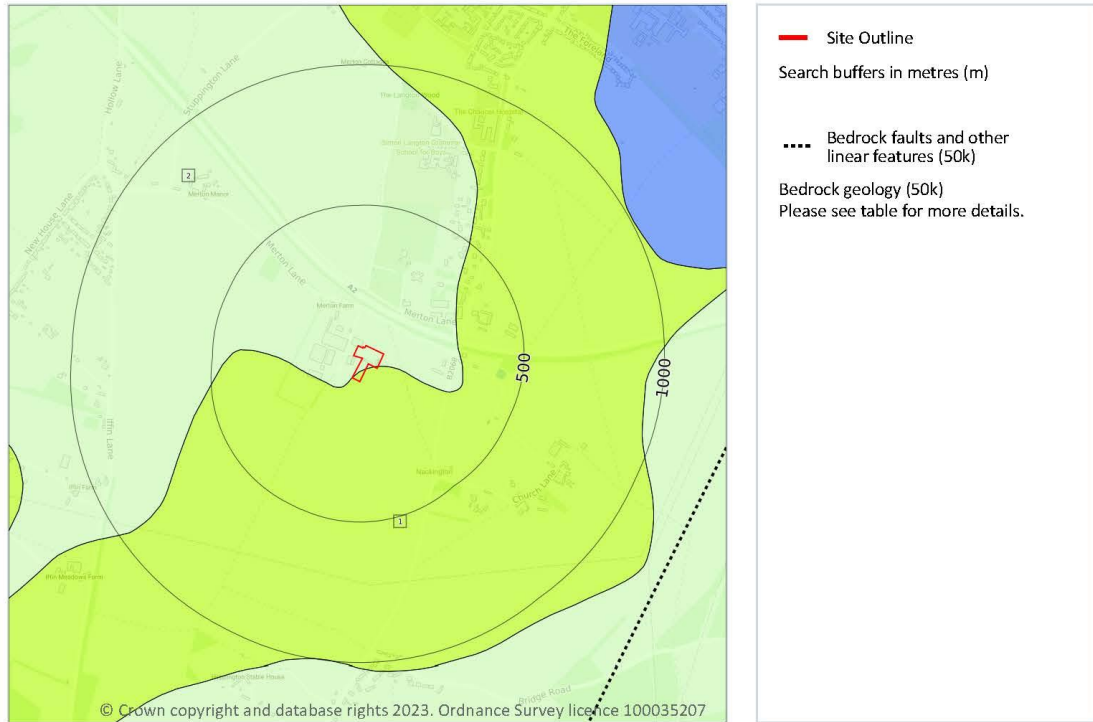
This data is sourced from the British Geological Survey.



unspecified

Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

Geology 1:50,000 scale - Bedrock



15.8 Bedrock geology (50k)

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

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 81](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	MACK-CHLK	MARGATE CHALK MEMBER - CHALK	SANTONIAN
2	On site	SECK-CHLK	SEAFORD CHALK FORMATION - CHALK	CONIACIAN

This data is sourced from the British Geological Survey.



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unspecified

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 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

15.9 Bedrock permeability (50k)

Records within 50m	6
---------------------------	----------

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
On site	Fracture	Very High	Very High
3m S	Fracture	Very High	Very High
14m SW	Fracture	Very High	Very High
22m SW	Fracture	Very High	Very High
22m SW	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	0
----------------------------	----------

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.

This data is sourced from the British Geological Survey.



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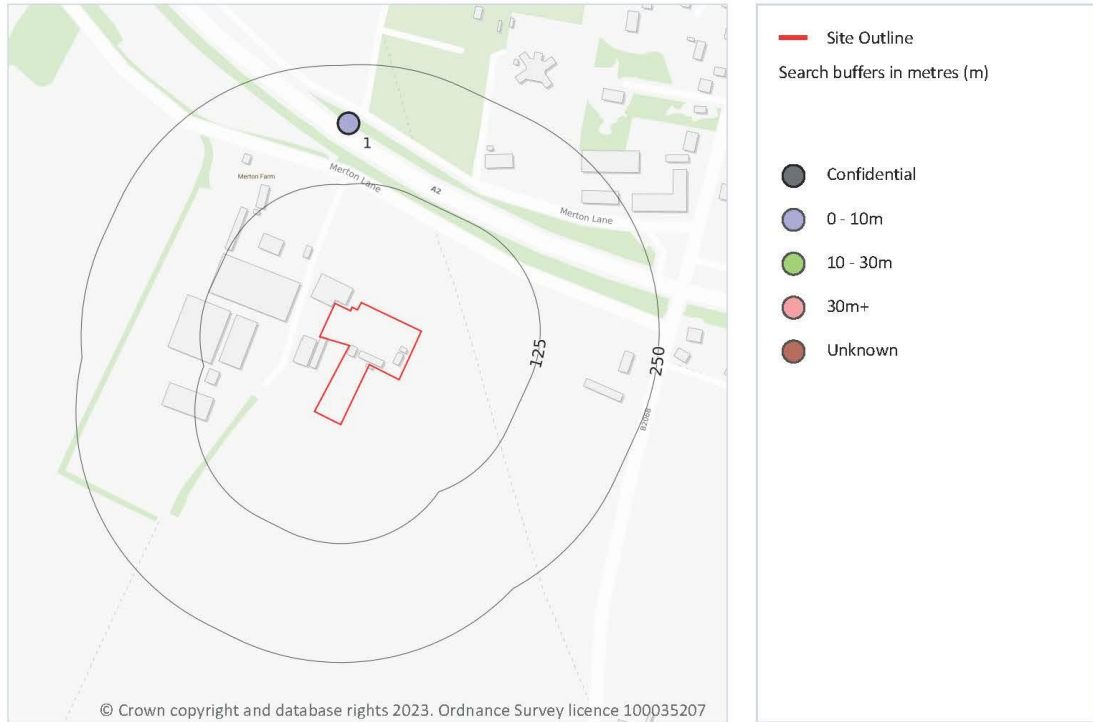




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Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

16 Boreholes



16.1 BGS Boreholes

Records within 250m

1

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 83](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	189m N	615050 155320	A2 CANTERBURY BY-PASS BH38	0.0	N	702824 ↗

This data is sourced from the British Geological Survey.



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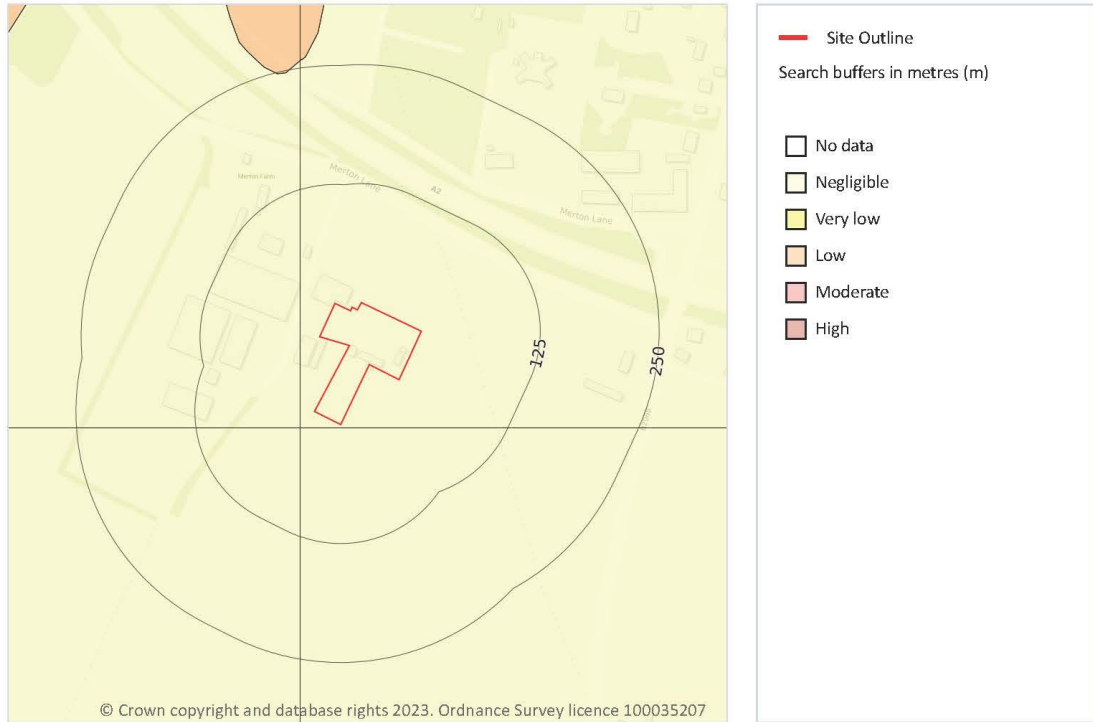




unspecified

Ref: EMS-908089_1158290
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 Grid ref: 615065 155078

17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

4

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 84](#) >

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
4m S	Negligible	Ground conditions predominantly non-plastic.
14m SW	Negligible	Ground conditions predominantly non-plastic.



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Location	Hazard rating	Details
22m SW	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.



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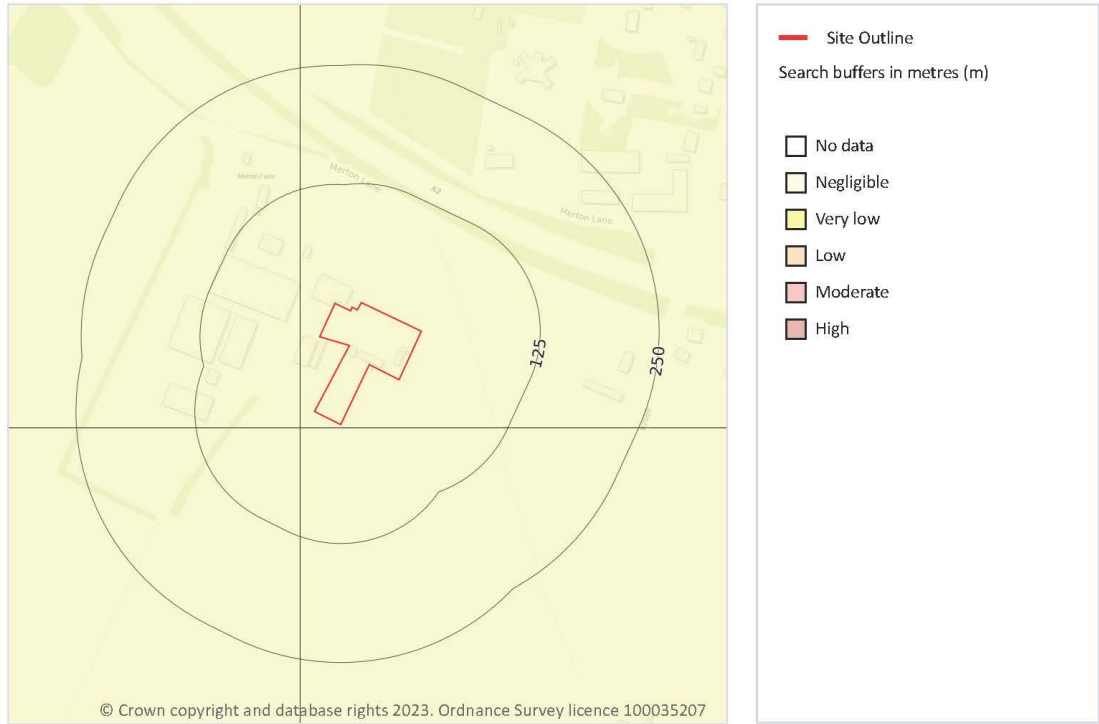




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Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m 4

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 86](#) >

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.



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Location	Hazard rating	Details
4m S	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.
14m SW	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.
22m SW	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.



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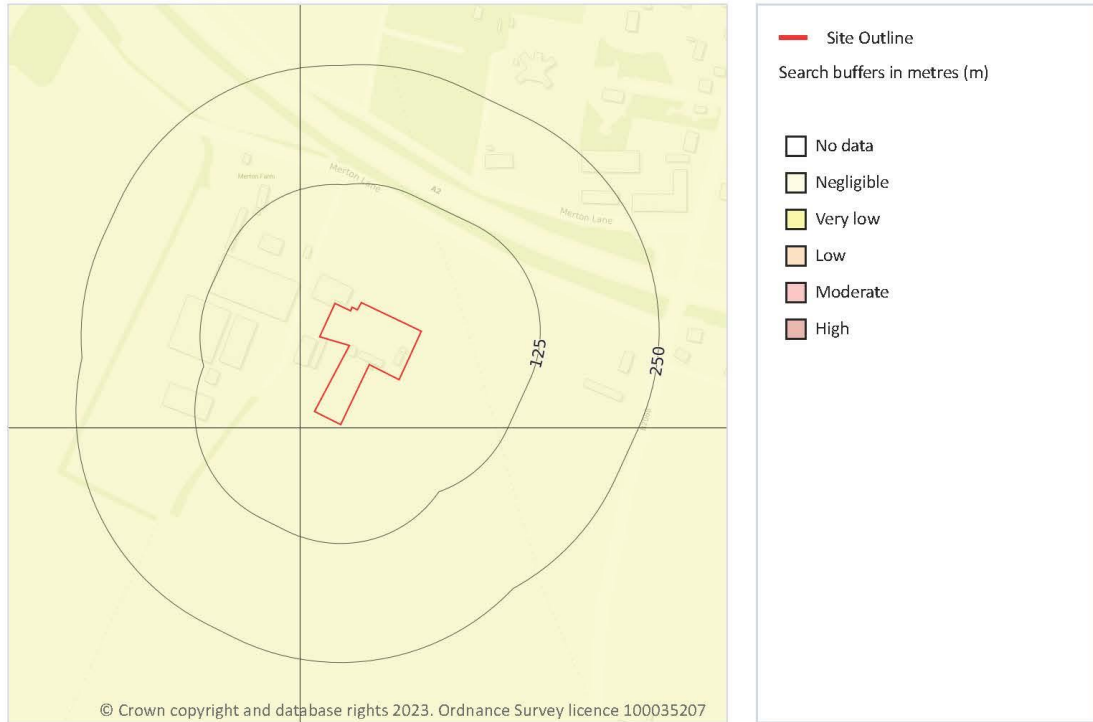




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Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

4

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 88](#) >

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
4m S	Negligible	Compressible strata are not thought to occur.
14m SW	Negligible	Compressible strata are not thought to occur.



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unspecified

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Location	Hazard rating	Details
22m SW	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



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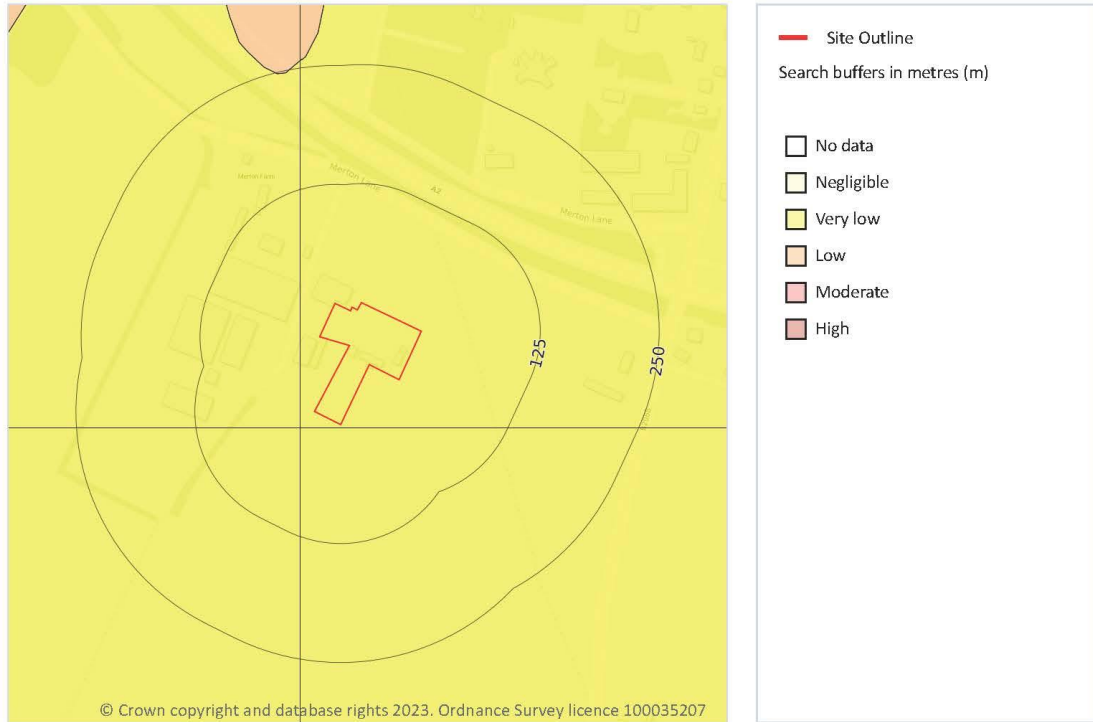




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Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

4

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 90](#) >

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
4m S	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
14m SW	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
22m SW	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.



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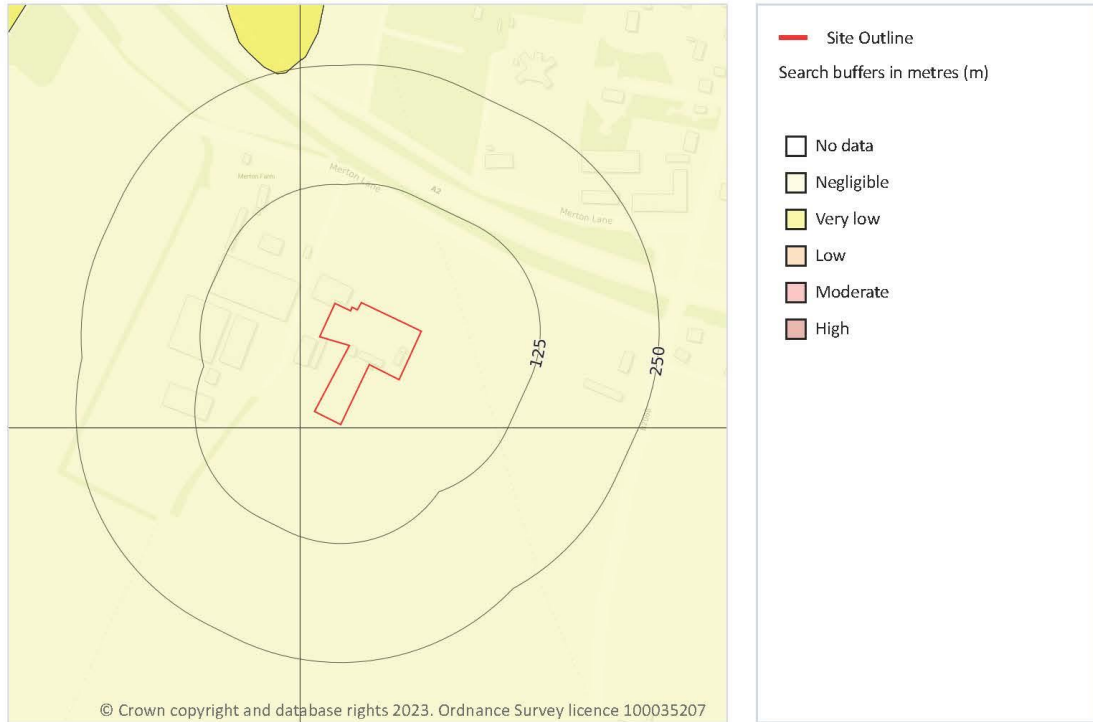




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Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

Natural ground subsidence - Landslides



17.5 Landslides

Records within 50m

4

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 92](#) >

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.



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Location	Hazard rating	Details
4m S	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.
14m SW	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.
22m SW	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.



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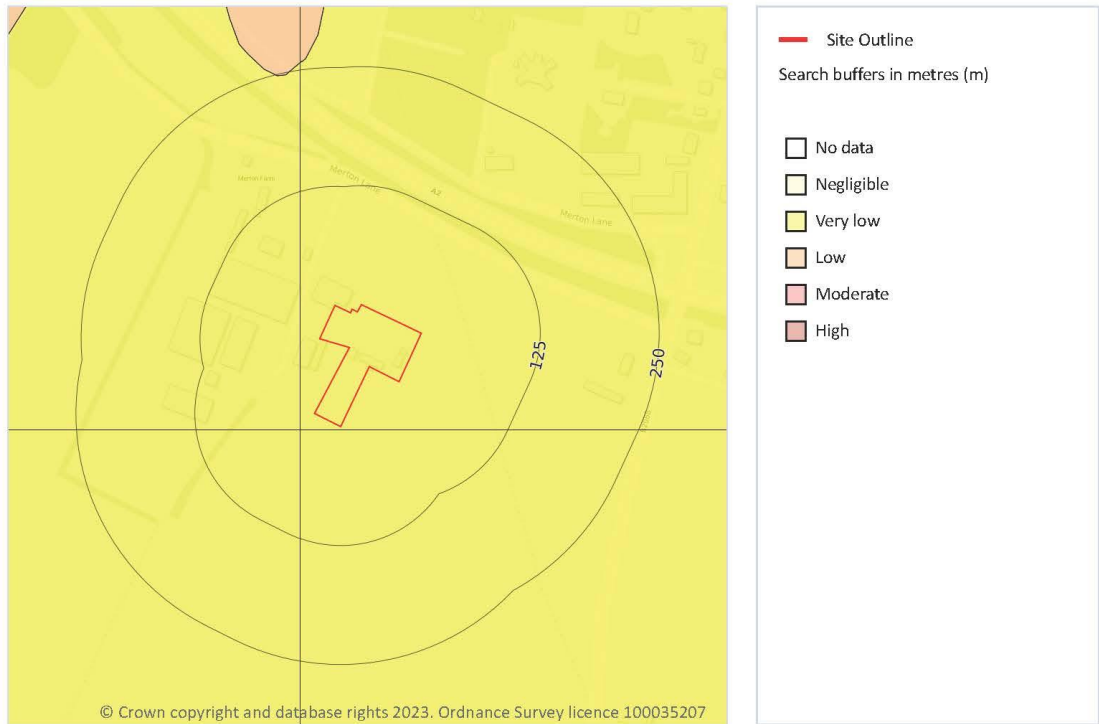




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Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m	4
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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 94](#) >

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.



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Location	Hazard rating	Details
4m S	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.
14m SW	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.
22m SW	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.

This data is sourced from the British Geological Survey.



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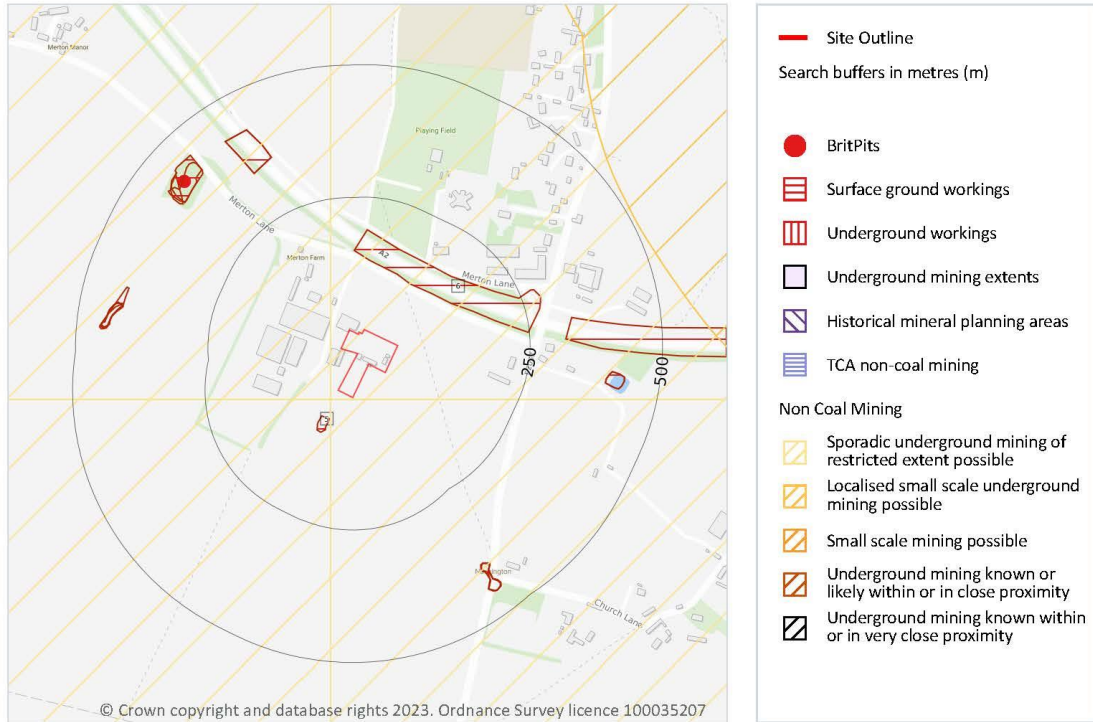




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Ref: EMS-908089_1158290
 Your ref: EMS_908089_1124851
 Grid ref: 615065 155078

18 Mining and ground workings



18.1 BritPits

Records within 500m

1

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 and ground workings map on [page 96](#) >



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Ref: EMS-908089_1158290
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ID	Location	Details	Description
B	418m NW	Name: Merton Farm Chalk Pit Address: Nackington, CANTERBURY, Kent Commodity: Chalk 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.

18.2 Surface ground workings

Records within 250m	2
----------------------------	----------

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 and ground workings map on [page 96 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
5	55m SW	Unspecified Pit	1873	1:10560
6	115m NE	Cuttings	1987	1:10000

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	0
-----------------------------	----------

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

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

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

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.



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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	6
----------------------	---

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 and ground workings map on [page 96 >](#)

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
2	4m S	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
3	14m SW	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
4	22m SW	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
8	508m NE	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.



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ID	Location	Name	Commodity	Class	Likelihood
-	759m E	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 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.

18.8 The Coal Authority non-coal mining

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

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

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

This data indicates areas of potential mining identified from alternative or archival sources, including: BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.



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18.10 Mining record office plans

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

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

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

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 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.

18.13 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.

18.14 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.



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18.15 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 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).



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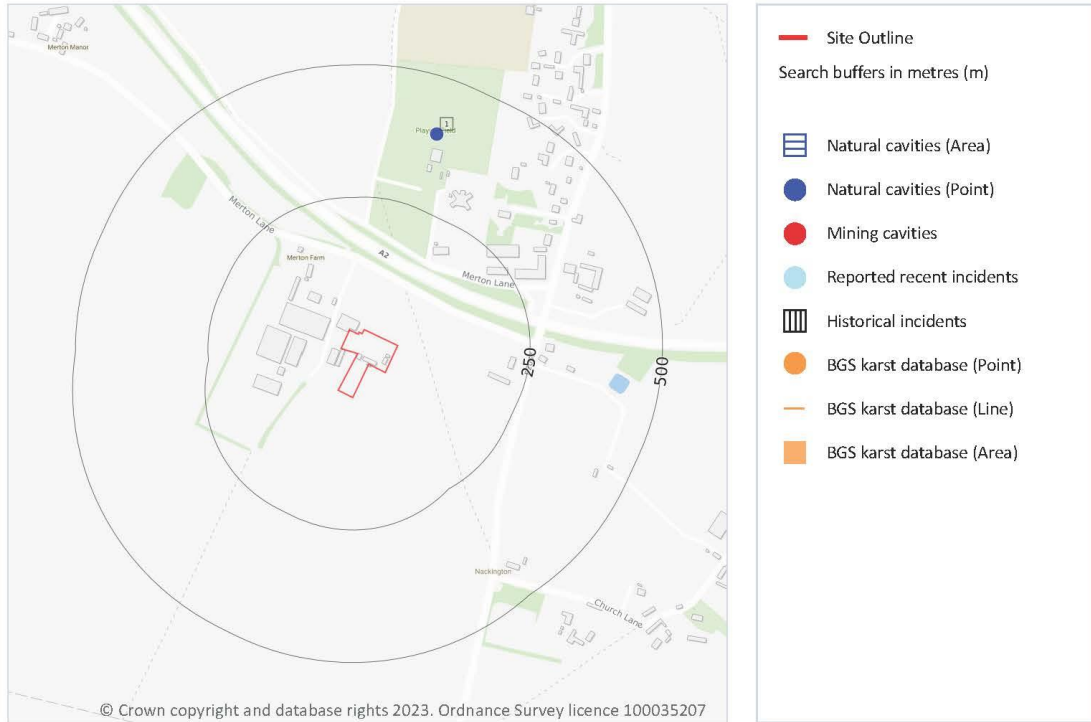




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 Your ref: EMS_908089_1124851
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19 Ground cavities and sinkholes



19.1 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 Ground cavities and sinkholes map on [page 102](#) >



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ID	Location	Details	Source
1	392m N	Type: Solution Pipe x 3 Superficial Geology: - Bedrock Geology: Chalk Group	Simple Bibliography: - Full Bibliography: SMART, J.G.O., BISSON, G. AND WORSSAM, B.C., Geology of the country around Canterbury and Folkestone., HMSO, London., 1966; British Geological Survey Memoir (Sheet 289, 305 and 306) Confidentiality: Data source can be revealed, data can be used freely

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0
-----------------------------	----------

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.

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

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

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

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

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.



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19.5 National karst database

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

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

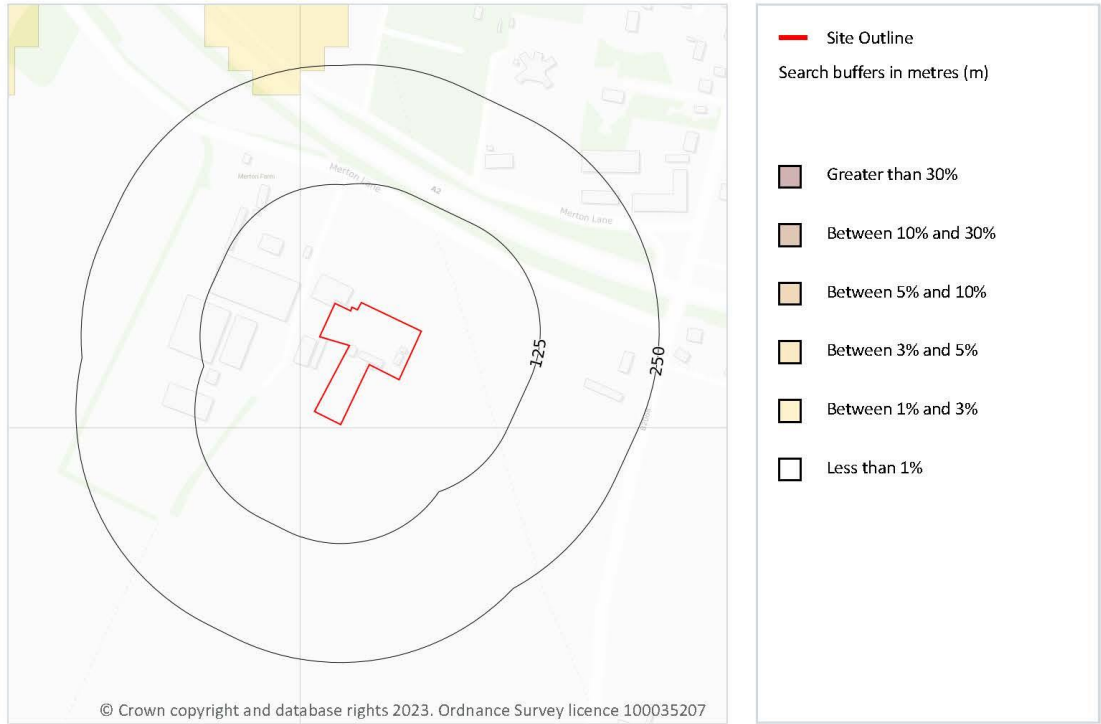
This data is sourced from the British Geological Survey.



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20 Radon



20.1 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 105 >](#)

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



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



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21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

6

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
3m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
14m SW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
22m SW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
22m SW	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.

21.2 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.



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21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0
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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.



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unspecified

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22 Railway infrastructure and projects

22.1 Underground railways (London)

Records within 250m	0
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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.

22.2 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.

22.3 Railway tunnels

Records within 250m	0
---------------------	---

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	0
---------------------	---

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.

This data is sourced from Ordnance Survey/Groundsure.

22.5 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.



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This data is sourced from Groundsure/the Postal Museum.

22.6 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.

22.7 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.

22.8 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.

22.9 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.

22.10 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.



unspecified

Ref: EMS-908089_1158290
Your ref: EMS_908089_1124851
Grid ref: 615065 155078

Data providers

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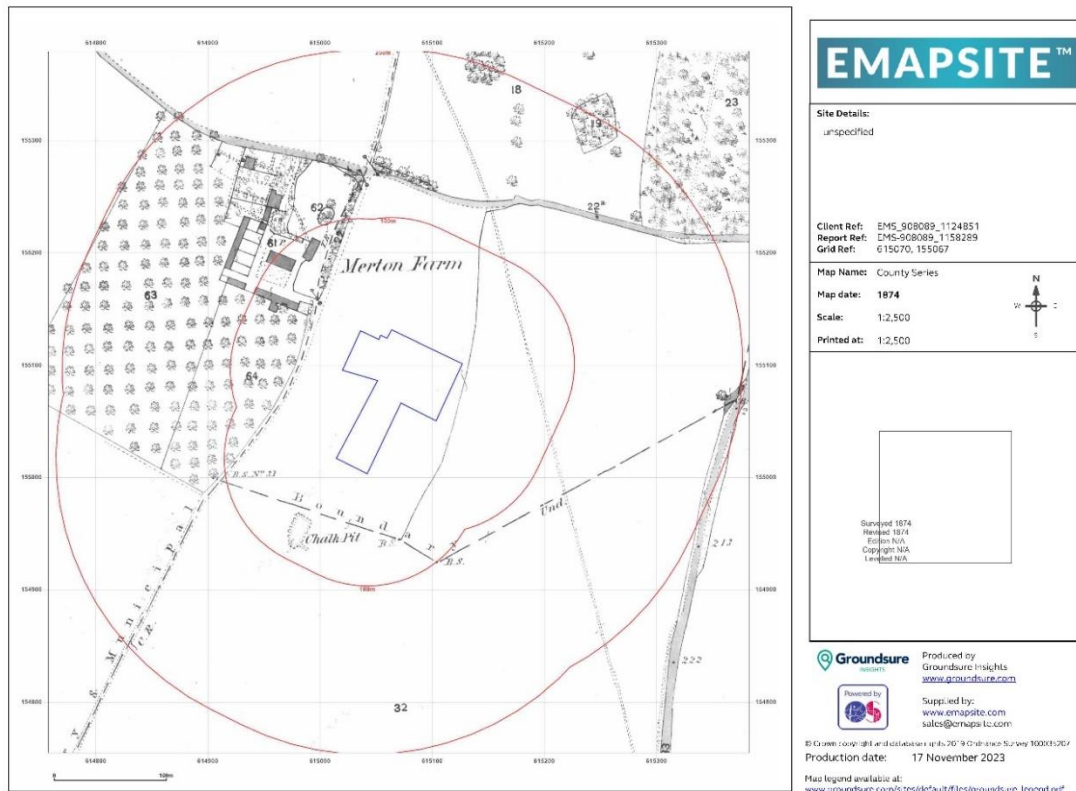


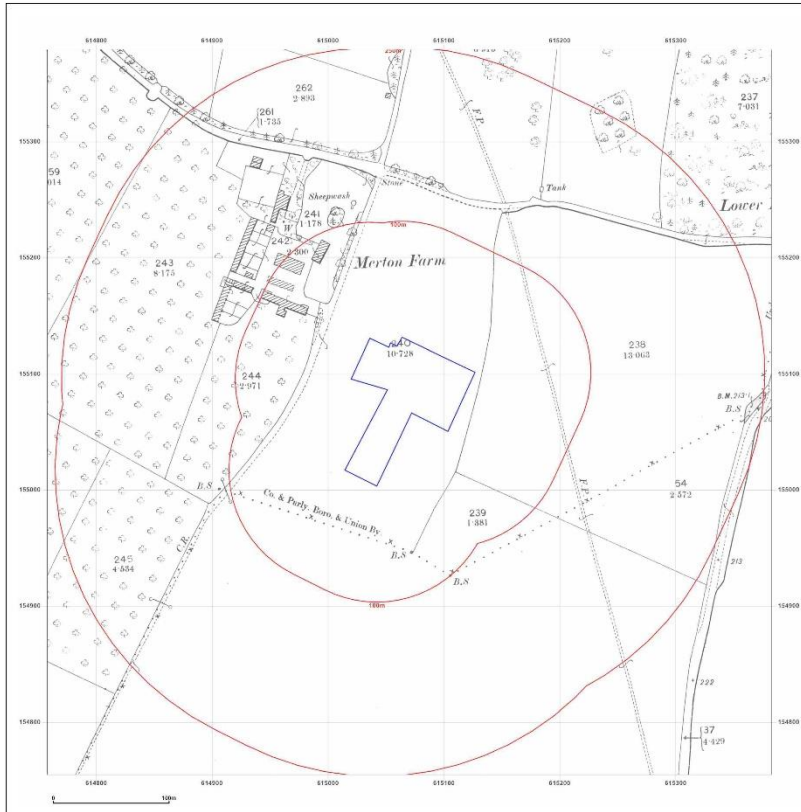
Contact us with any questions at:
info@groundsure.com
01273 257 755

Date: 17 November 2023



Appendix 2 Historical Maps






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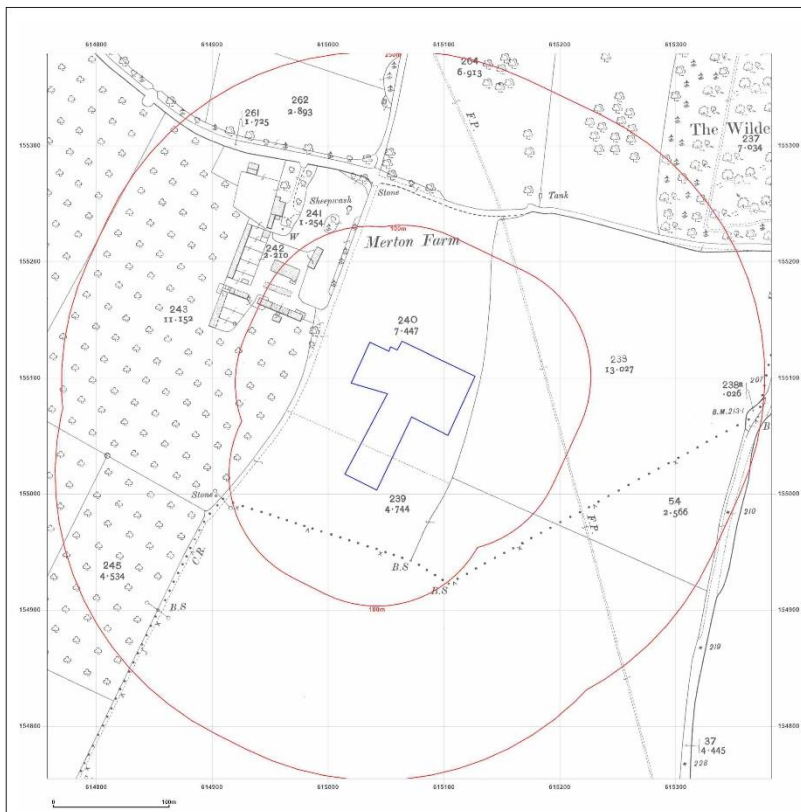
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Report Ref: EMS-908089_1158289
Grid Ref: 615070, 155067

Map Name: County Series
Map date: 1898
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1898
Range: 1898
Eggen N/A,
Copyright N/A,
Levelled N/A

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EMAPSITE™

Site Details:
unspecified

Client Ref: EMS_908089_1124851
Report Ref: EMS-908089_1158289
Grid Ref: 615070, 155067

Map Name: County Series
Map date: 1907
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1907
Range: 1907
Eggen N/A,
Copyright N/A,
Levelled N/A

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Site Details:
unspecified

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Report Ref: EMS-908089-1158289
Grid Ref: 615070, 155057

Map Name: Landline
Map date: 2003
Scale: 1:1,250
Printed at: 1:1,250

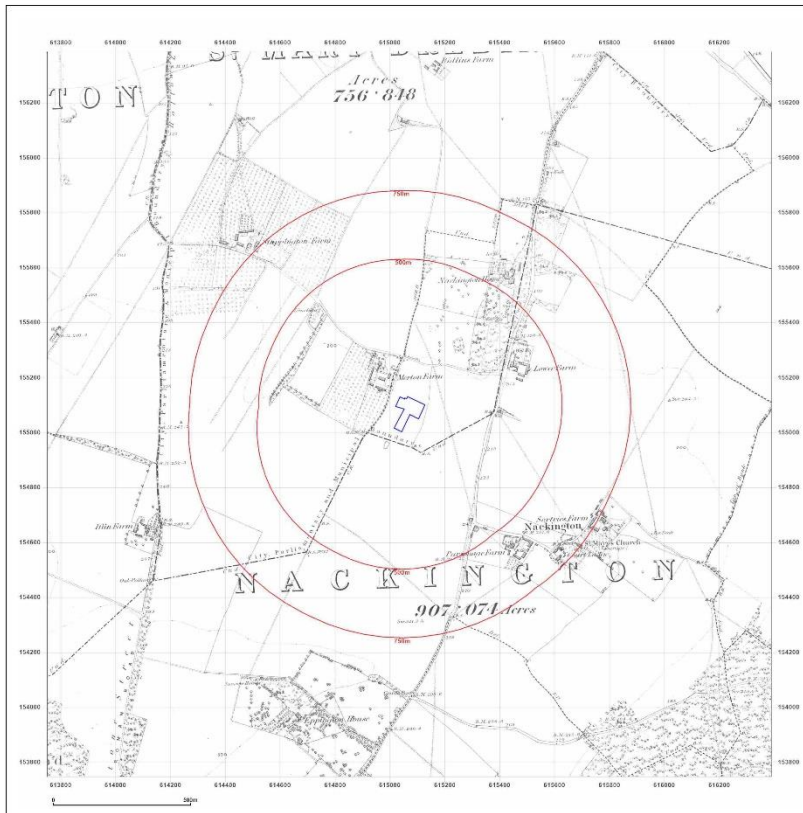
2003

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Site Details:
unspecified

Client Ref: EMS-908089-1124851
Report Ref: EMS-908089-1158289
Grid Ref: 615070, 155057

Map Name: County Series
Map date: 1877
Scale: 1:10,560
Printed at: 1:10,560

1877

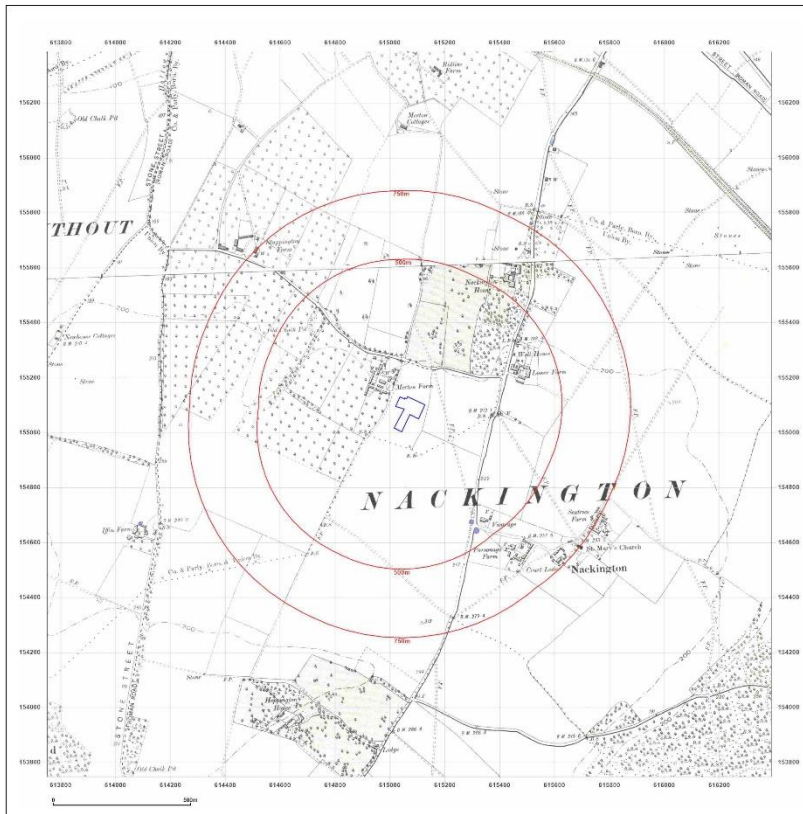
Surveyed 1873
Revised 1873
Edition 1877
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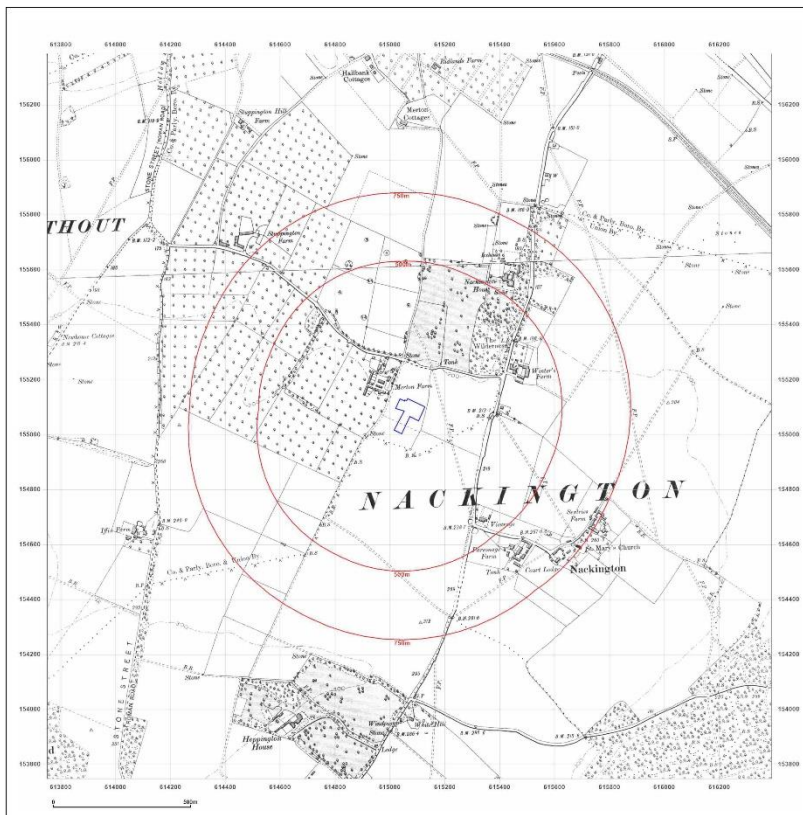
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Grid Ref: 615070, 155067

Map Name: County Series
Map date: 1896
Scale: 1:10,560
Printed at: 1:10,560

Surveyed 1873
Revised 1896
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Surveyed 1873
Revised 1896
Edition N/A
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Site Details:
unspecified

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Report Ref: EMS-908089_1158289
Grid Ref: 615070, 155067

Map Name: County Series
Map date: 1906
Scale: 1:10,560
Printed at: 1:10,560

Surveyed 1872
Revised 1906
Edition N/A
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Surveyed 1872
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Site Details:
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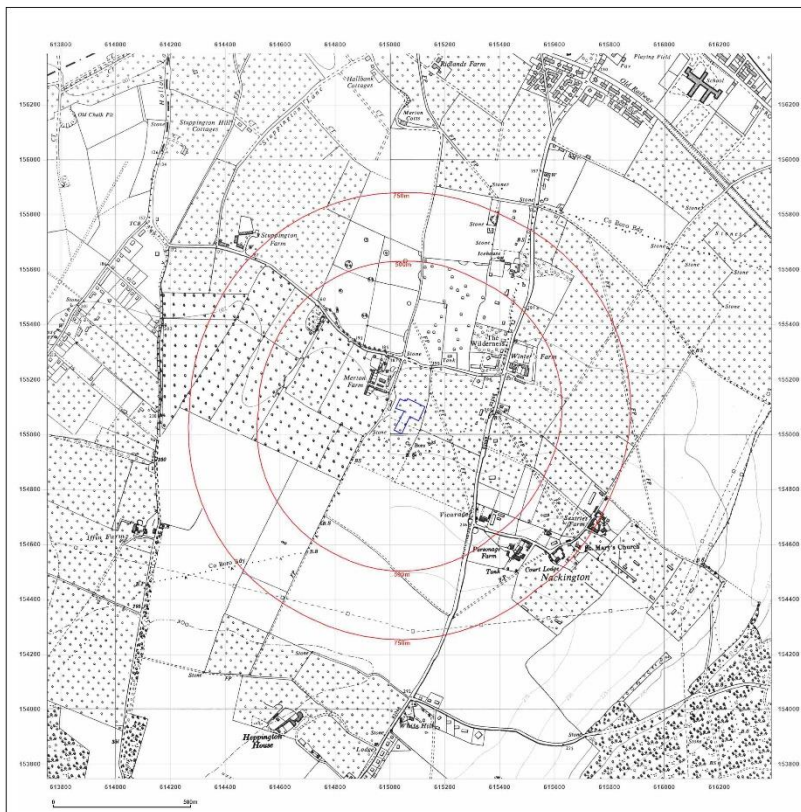
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Report Ref: EMS-908089-1158289
Grid Ref: 615070, 155067

Map Name: County Series
Map date: 1938
Scale: 1:10,560
Printed at: 1:10,560

Surveyed 1872
Revised 1835
Edition N/A
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Surveyed 1877
Revised 1838
Edition N/A
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Site Details:
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Report Ref: EMS-908089-1158289
Grid Ref: 615070, 155067

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Printed at: 1:10,560

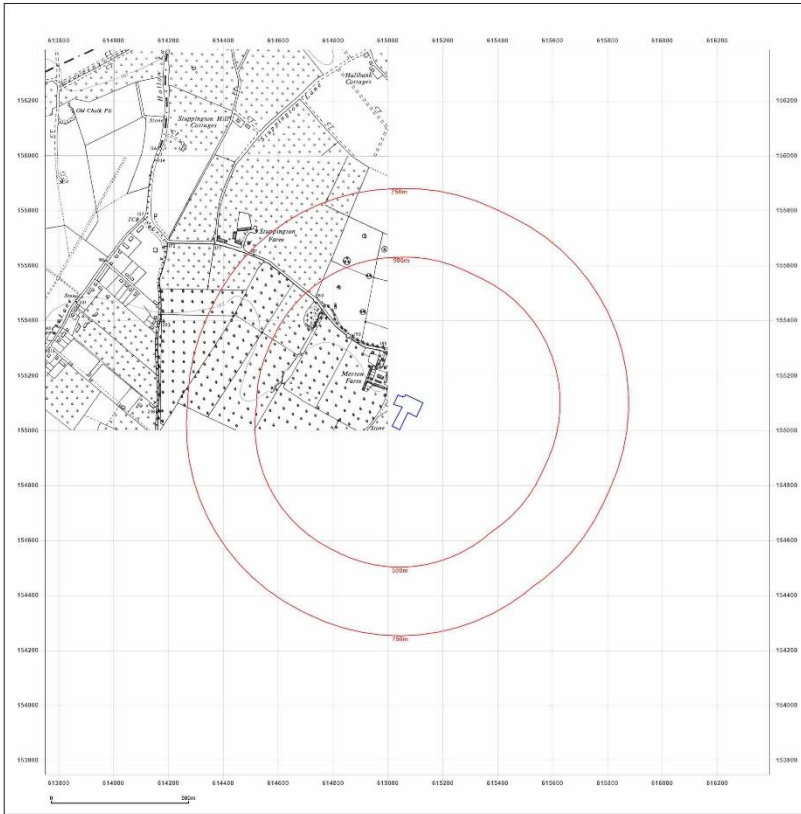
Surveyed 1875
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

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

Surveyed 1957
Revised 1957
Edition N/A
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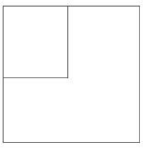
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Map Name: Provisional
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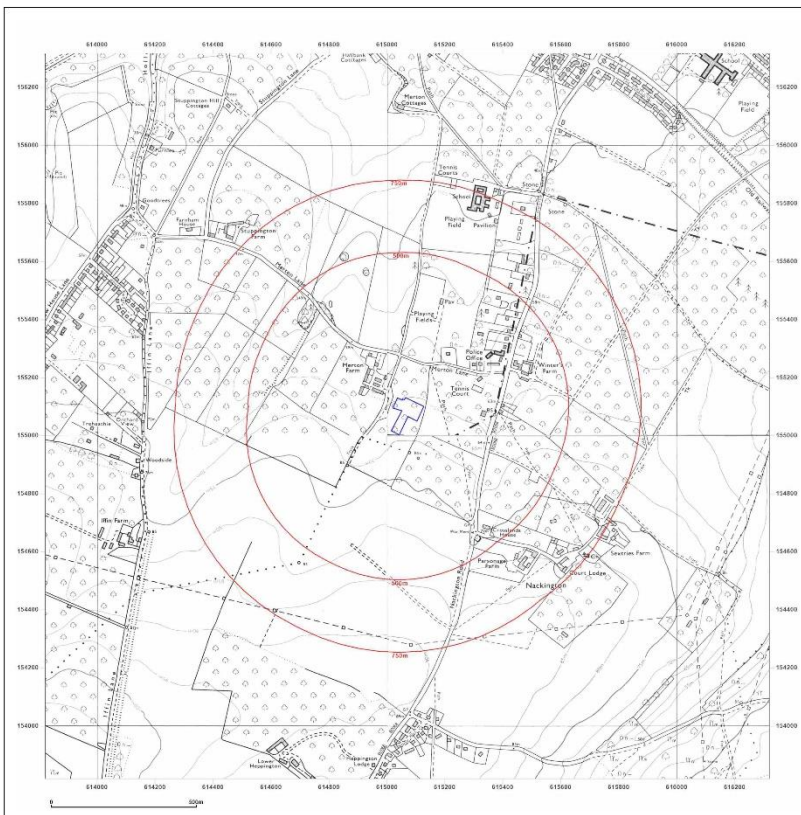


Surveyed 1875
Revised 1885
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Report Ref: EMS-908089_1158289
Grid Ref: 615070, 155067

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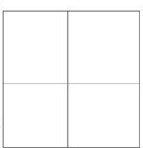


Surveyed 1972
Revised 1974
Edition N/A
Copyright 1975
Levelled N/A

Surveyed 1969
Revised 1972
Edition N/A
Copyright 1972
Levelled N/A

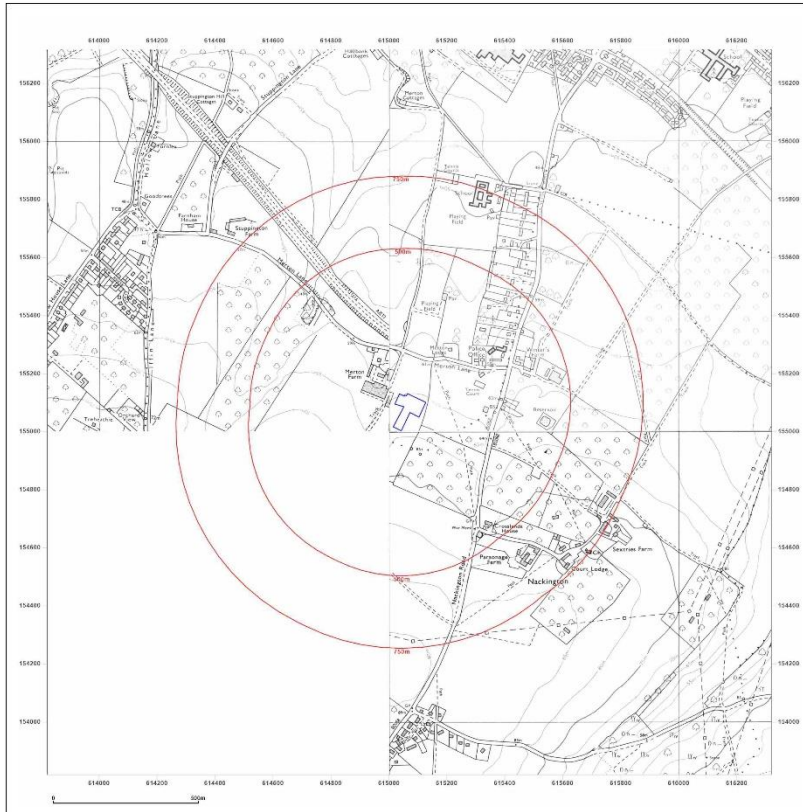
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Grid Ref: 615070, 155067

Map Name: National Grid
Map date: 1979-1983
Scale: 1:10,000
Printed at: 1:10,000

Surveyed 1982
Revised 1983
Edition N/A
Copyright N/A
Levelled N/A

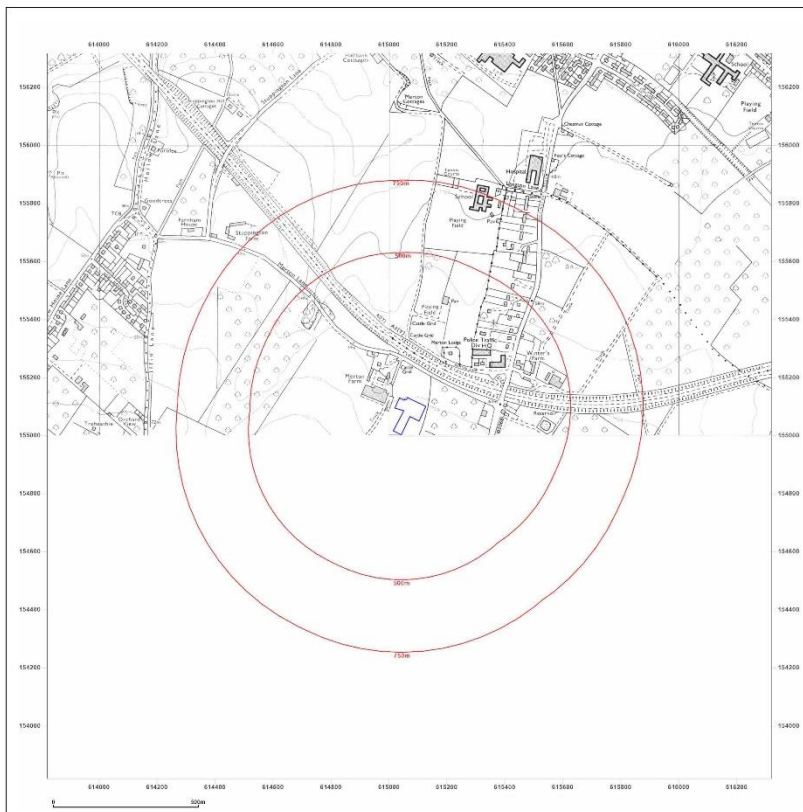
Surveyed 1976
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Report Ref: EMS-908089-1158289
Grid Ref: 615070, 155067

Map Name: National Grid
Map date: 1987-1990
Scale: 1:10,000
Printed at: 1:10,000

Surveyed 1982
Revised 1990
Edition N/A
Copyright N/A
Levelled N/A

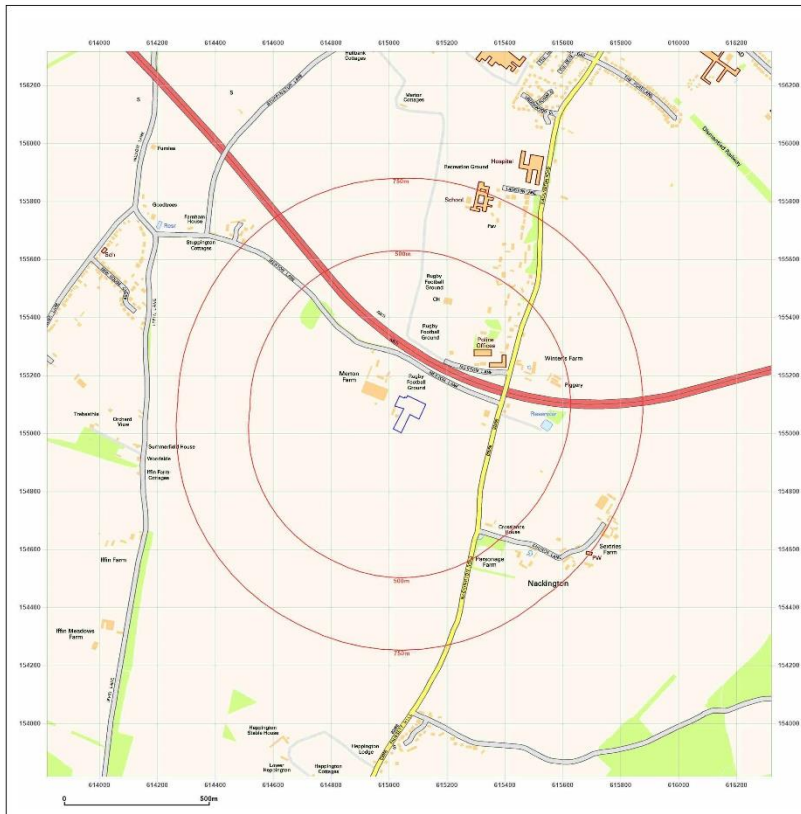
Surveyed 1985
Revised 1987
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Grid Ref: 615070, 155067

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Map date: 2001
Scale: 1:10,000
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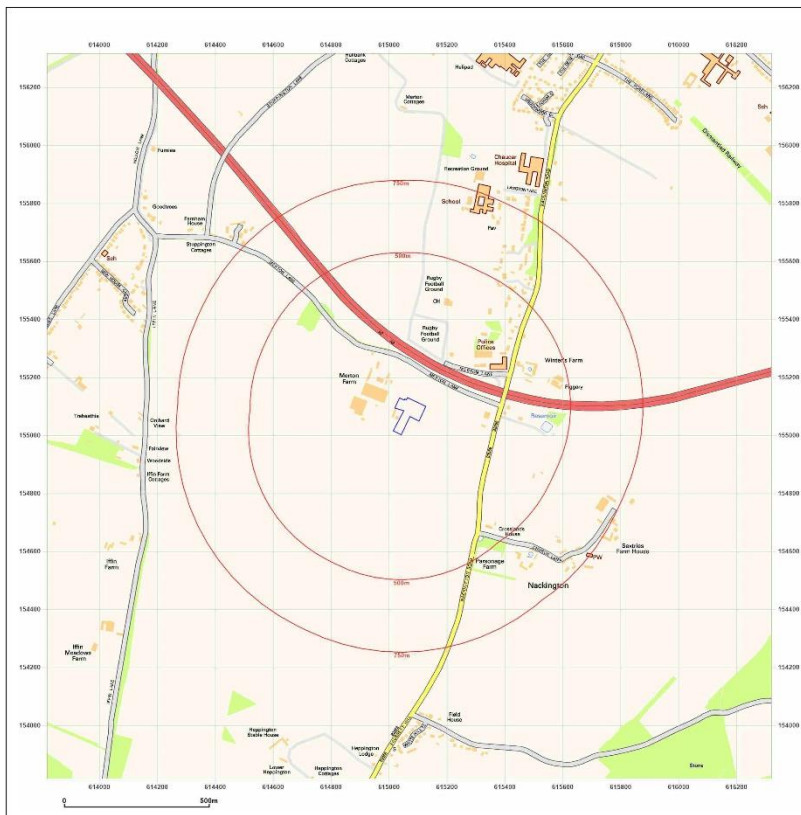
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Report Ref: EMS-908089_1158289
Grid Ref: 615070, 155067

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Map date: 2010
Scale: 1:10,000
Printed at: 1:10,000

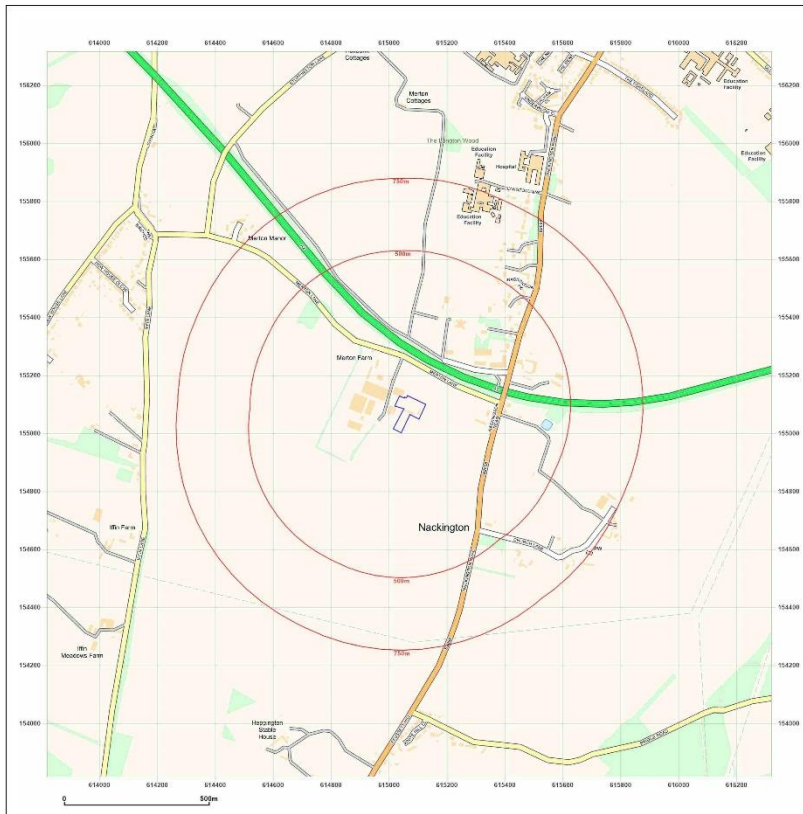
2010

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Report Ref: EMS-908089_1158289
Grid Ref: G15070_155067

Map Name: National Grid
Map date: 2023
Scale: 1:10,000
Printed at: 1:10,000

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Map legend available at:
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County Series 1:10,560 scale

VEGETATION

Field	Dark open Wood
Mixed wood	Beechwood
Decid	Pines
Hard Wood	Larch
Marsh	Oak

ROADS

Railway over Road	Road over Railway
Road over River or Canal	Level Crossing
Railway over River	Toll over River
Road over River	Banks Road
Railroad Road	

RAILWAYS

Double Line of Railway with Platform	Single Line of Railway with Platform
--------------------------------------	--------------------------------------

GENERAL FEATURES

Drain Pit	Bank Pit
Ditch	Grange
Other Pit	Archaeological Site of Interest
Impermeable Wall	

BOUNDARIES

County Boundary	Parliamentary Division Boundary
Habitat Boundary	Urban Boundary
Civil Parish Boundary	Rural District Boundary
Crestmark	

National Grid 1:10,000 scale

HEIGHTS (METRES)

Refer to the contours on the map to determine the height of land.

Contour heights: 5m interval
Bench marks: 10m interval
Spot heights: 10m interval
Elevations: 10m interval
Contours: 10m interval

ROCK FEATURES

Limestone	Sandstone
Gneiss	Schist

ABBREVIATIONS

BLK	Black	PO	Post Office
CH	Church	PR	Public House
CR	Creek	RD	Road
FR	Farm	S	Station
GR	Grange	SH	Shed
HA	Habitat	SI	Single Line of Railway
HP	Hamlet	TR	Track
HR	Hill	UR	Urban
IR	Inland	WR	Water
IR	Inland	WR	Water

ROADS

Motorway, Road, Track, Path

RAILWAYS

Double line, Single line, Level crossing, Signal, Station, Goods yard, Siding, Platform, Track, Bridge

GENERAL FEATURES

Archaeological Site of Interest	Archaeological Site of Interest
Archaeological Site of Interest	Archaeological Site of Interest
Archaeological Site of Interest	Archaeological Site of Interest
Archaeological Site of Interest	Archaeological Site of Interest
Archaeological Site of Interest	Archaeological Site of Interest

VEGETATION

Arable	Pasture	Conifer
Wood	Beechwood	Deciduous
Marsh	Larch	Other Deciduous

GroundSure

Historical Map Pack Legend

**County Series & National Grid
1:10,560 scale**

Information present on these legends is sourced from the same Ordnance Survey mapping as the maps used in this product.

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Technical Helpline
Tel 08444159000
groundsureinsight@groundsure.com
www.groundsure.com

County Series 1:2,500 scale

GENERAL FEATURES

1. Contour	2. Contour Interval	3. Contour Interval	4. Contour Interval	5. Contour Interval	6. Contour Interval	7. Contour Interval	8. Contour Interval	9. Contour Interval	10. Contour Interval
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ROADWAYS

1. Roadway	2. Roadway	3. Roadway	4. Roadway	5. Roadway	6. Roadway	7. Roadway	8. Roadway	9. Roadway	10. Roadway
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ABBREVIATIONS

1. Abbreviation	2. Abbreviation	3. Abbreviation	4. Abbreviation	5. Abbreviation	6. Abbreviation	7. Abbreviation	8. Abbreviation	9. Abbreviation	10. Abbreviation
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National Grid 1:2,500 / 1:1,250 scale

GENERAL FEATURES

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BOUNDARIES

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ABBREVIATIONS

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21. Abbreviation	22. Abbreviation	23. Abbreviation	24. Abbreviation	25. Abbreviation	26. Abbreviation	27. Abbreviation	28. Abbreviation	29. Abbreviation	30. Abbreviation
31. Abbreviation	32. Abbreviation	33. Abbreviation	34. Abbreviation	35. Abbreviation	36. Abbreviation	37. Abbreviation	38. Abbreviation	39. Abbreviation	40. Abbreviation
41. Abbreviation	42. Abbreviation	43. Abbreviation	44. Abbreviation	45. Abbreviation	46. Abbreviation	47. Abbreviation	48. Abbreviation	49. Abbreviation	50. Abbreviation



County Series
1:1,250 scale
~
County Series &
National Grid
1:2,500 scale

Information present on these legends is sourced from the same Ordnance Survey mapping as the maps used in this product.

If you have a query regarding any of the maps provided within this map pack, please contact GroundSure's technical helpline. We will endeavour to answer any queries you may have.

Technical Helpline:
Tel 08444159000
groundsureinsight@groundsure.com
www.groundsure.com



Stage 1		Stage 2	Stage 3	
Hazardous Substances	Chemical Constituents	Potential Pollution Risk	Mitigation	Site Specific Pollution Possibility
Raw Materials				
• Electricity		N/A		
• Diesel	<ul style="list-style-type: none"> • C₈-C₂₁ Aliphatic Hydrocarbons • 25 % Aromatic Compounds 	<p>HIGH</p> <ul style="list-style-type: none"> • 2500 litres 	<ul style="list-style-type: none"> • Integrally bunded tank • Away from moving vehicles • Apart of site checks (Daily, Visual) • Location shown on 18.1_09_004 Site Plan • See 018.1_05_003 EMS_OT for managerial procedures. 	MEDUIM
• Lubricating oils	•	<p>HIGH</p> <ul style="list-style-type: none"> • 2 drums up to 205 litre per drum. 	<ul style="list-style-type: none"> • Stored in COSHH cupboard • Away from moving vehicles • Controlled use, only used by trained individuals. • Location shown on 18.1_09_004 Site Plan • See 018.1_05_003 EMS_OT for managerial procedures. 	MEDUIM
• Hydraulic oils	•	<p>HIGH</p> <ul style="list-style-type: none"> • 2 drums up to 205 litre per drum. 		MEDUIM
Products				
N/A				
Intermediaries				

Stage 1		Stage 2	Stage 3		
Hazardous Substances	Chemical Constituents	Potential Pollution Risk	Mitigation	Site Specific Pollution Possibility	
N/A					
By-products					
N/A					
Emissions					
N/A					
Wastes					
<ul style="list-style-type: none"> 15 01 10* packaging containing residues of or contaminated by hazardous substances (canisters only) 	Component	CASRN	Concentration	<p>HIGH</p> <ul style="list-style-type: none"> Stored in IBCs 240 IBCs Max Storage 3 months 	<ul style="list-style-type: none"> Stored on impermeable site surface Location shown on 18.1_09_004 Site Plan See 018.1_05_003 EMS_OT for managerial procedures. <p>MEDIUM</p>
	Diphenylmethane Diisocyanate, isomers and homologues	9016-87-9	50.0 - <= 60.0 %		
	4,4' -Methylenediphenyl diisocyanate	101-68-8	30.0 - <= 40.0 %		
	trans-1-Chloro-3,3,3-trifluoropropene	102687-65-0	> 1.0 - < 5.0 %		
	Carbon dioxide	124-38-9	>= 1.0 - < 5.0 %		
	Nitrogen	7727-37-9	>= 0.1 - < 0.5 %		
<p><i>Note</i></p> <p>Note: CAS 101-68-8 is an MDI isomer that is part of CAS 9016-87-9.</p> <p>The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.</p>					

Stage 1								Stage 2		Stage 3														
Hazardous Substances		Chemical Constituents						Potential Pollution Risk		Mitigation	Site Specific Pollution Possibility													
<ul style="list-style-type: none"> 16 05 04* gases in pressure containers (including halons) containing hazardous substances. 		<table border="1"> <thead> <tr> <th>Chemical name</th> <th>Chemical formula</th> <th>Concentration</th> <th>CAS-No.</th> <th>REACH Registration No.</th> <th>M-Factor:</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>acetylene (ethyne)</td> <td>C2H2</td> <td>100%</td> <td>74-86-2</td> <td>01-2119457406-36-0041 UK-01-3758468859-4-0001</td> <td>-</td> <td></td> </tr> </tbody> </table> <p>The concentrations of the components in the SDS header, product name on page one and in section 3.2 are in mol due to regulatory requirements. All concentrations are nominal.</p> <p>## This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance.</p> <p>vPvB: very persistent and very bioaccumulative substance</p>	Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes	acetylene (ethyne)	C2H2	100%	74-86-2	01-2119457406-36-0041 UK-01-3758468859-4-0001	-									
		Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes																
acetylene (ethyne)	C2H2	100%	74-86-2	01-2119457406-36-0041 UK-01-3758468859-4-0001	-																			
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Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes																		
ammonia, anhydrous	NH3	100%	7664-41-7	01-2119488876-14	Aquatic Toxicity (Acute): 1	#																		

Stage 1							Stage 2		Stage 3															
Hazardous Substances		Chemical Constituents					Potential Pollution Risk		Mitigation	Site Specific Pollution Possibility														
		and toxic substance. vPvB: very persistent and very bioaccumulative substance.																						
		<p>Chemical name Butane</p> <p>INDEX No.: 601-004-00-0</p> <p>CAS-No.: 106-97-8</p> <p>EC No.: 203-448-7</p> <p>REACH Registration No.: 01-2119474691-32</p> <p>Purity: 100%</p> <p>The purity of the substance in this section is used for classification only, and does not represent the actual purity of the substance as supplied, for which other documentation should be consulted.</p> <p>Trade name: Butane (N-Butane) Instrument Grade N2.5, Butane (N-Butane) Pure Grade N2.0, Butane (N-Butane) Technical Grade N1.5</p>					<p>High</p> <ul style="list-style-type: none"> Containers 3- 6 months 		<ul style="list-style-type: none"> Stored on hardstanding Appropriate container Location shown on 18.1_09_004 Site Plan See 018.1_05_003 EMS_OT for managerial procedures. 	<p>MEDUIM</p>														
		<p>Chemical name carbon monoxide</p> <p>INDEX No.: 006-001-00-2</p> <p>CAS-No.: 630-08-0</p> <p>EC No.: 211-128-3</p> <p>REACH Registration No.: 01-2119480165-39</p> <p>Purity: 100%</p> <p>The purity of the substance in this section is used for classification only, and does not represent the actual purity of the substance as supplied, for which other documentation should be consulted.</p> <p>Trade name: Carbon Monoxide CP Grade N3.0, Carbon Monoxide Research Grade N3.7</p>					<p>High</p> <ul style="list-style-type: none"> Containers 3- 6 months 		<ul style="list-style-type: none"> Stored on hardstanding Appropriate container Location shown on 18.1_09_004 Site Plan See 018.1_05_003 EMS_OT for managerial procedures. 	<p>MEDUIM</p>														
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Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes																		

Stage 1							Stage 2		Stage 3															
Hazardous Substances	Chemical Constituents						Potential Pollution Risk		Mitigation	Site Specific Pollution Possibility														
	carbon monoxide	CO	100%	630-08-0	01-2119480165-39	-	#																	
<p>The concentrations of the components in the SDS header, product name on page one and in section 3.2 are in mol due to regulatory requirements. All concentrations are nominal.</p> <p>## This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance.</p> <p>vPvB: very persistent and very bioaccumulative substance.</p>																								
	Chemical name	chlorine																						
	INDEX No.:	017-001-00-7																						
	CAS-No.:	7782-50-5																						
	EC No.:	231-959-5																						
	REACH Registration No.:	01-2119486560-35-0085 UK-01-0442545482-6-0001																						
	Purity:	100%																						
		The purity of the substance in this section is used for classification only, and does not represent the actual purity of the substance as supplied, for which other documentation should be consulted.																						
	Trade name:	-																						
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Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes																		
chlorine	Cl2	100%	7782-50-5	01-2119486560-35-0085 UK-01-0442545482-6-0001	Aquatic Toxicity (Acute): 100; Aquatic Toxicity (Chronic): 1	#																		
								High																
								<ul style="list-style-type: none"> Containers 3- 6 months 																
								<ul style="list-style-type: none"> Stored on impermeable site surface Appropriate container Location shown on 18.1_09_004 Site Plan See 018.1_05_003 EMS_OT for managerial procedures. 		MEDUIM														

Stage 1		Stage 2	Stage 3															
Hazardous Substances	Chemical Constituents	Potential Pollution Risk	Mitigation	Site Specific Pollution Possibility														
	<p>## This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance.</p> <p>vPvB: very persistent and very bioaccumulative substance.</p>																	
	<p>Chemical name Chlorodifluoromethane</p> <p>INDEX No.: -</p> <p>CAS-No.: 75-45-6</p> <p>EC No.: 200-871-9</p> <p>REACH Registration No.: 01-2119517587-31</p> <p>Purity: 100%</p> <p>The purity of the substance in this section is used for classification only, and does not represent the actual purity of the substance as supplied, for which other documentation should be consulted.</p> <p>Trade name: -</p> <table border="1"> <thead> <tr> <th>Chemical name</th> <th>Chemical formula</th> <th>Concentration</th> <th>CAS-No.</th> <th>REACH Registration No.</th> <th>M-Factor:</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>Chlorodifluoromethane</td> <td>CHClF2</td> <td>100%</td> <td>75-45-6</td> <td>01-2119517587-31</td> <td>-</td> <td>#</td> </tr> </tbody> </table> <p>The concentrations of the components in the SDS header, product name on page one and in section 3.2 are in mol due to regulatory requirements. All concentrations are nominal.</p> <p>## This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance.</p> <p>vPvB: very persistent and very bioaccumulative substance.</p>	Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes	Chlorodifluoromethane	CHClF2	100%	75-45-6	01-2119517587-31	-	#	<p>High</p> <ul style="list-style-type: none"> Containers 3- 6 months 	<ul style="list-style-type: none"> Stored on impermeable site surface Appropriate container Location shown on 18.1_09_004 Site Plan See 018.1_05_003 EMS_OT for managerial procedures. 	MEDUIM
Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes												
Chlorodifluoromethane	CHClF2	100%	75-45-6	01-2119517587-31	-	#												
	<p>Chemical name Bromochlorodifluoromethane</p> <p>INDEX No.: -</p>	<p>High</p> <ul style="list-style-type: none"> Containers 	<ul style="list-style-type: none"> Stored on impermeable site surface Appropriate container 	MEDUIM														

Stage 1		Stage 2	Stage 3															
Hazardous Substances	Chemical Constituents	Potential Pollution Risk	Mitigation	Site Specific Pollution Possibility														
	<p>CAS-No.: 353-59-3 EC No.: 206-537-9 REACH Registration No.: Not available. Purity: 100%</p> <p>The purity of the substance in this section is used for classification only, and does not represent the actual purity of the substance as supplied, for which other documentation should be consulted.</p> <p>Trade name: -</p> <table border="1"> <thead> <tr> <th>Chemical name</th> <th>Chemical formula</th> <th>Concentration</th> <th>CAS-No.</th> <th>REACH Registration No.</th> <th>M-Factor:</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>Bromochlorodifluoromethane</td> <td>CBrClF2</td> <td>100%</td> <td>353-59-3</td> <td>Not available.</td> <td>-</td> <td></td> </tr> </tbody> </table> <p>The concentrations of the components in the SDS header, product name on page one and in section 3.2 are in mol due to regulatory requirements. All concentrations are nominal.</p> <p># # This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance.</p> <p>vPvB: very persistent and very bioaccumulative substance.</p>	Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes	Bromochlorodifluoromethane	CBrClF2	100%	353-59-3	Not available.	-		<ul style="list-style-type: none"> 3- 6 months 	<ul style="list-style-type: none"> Location shown on 18.1_09_004 Site Plan See 018.1_05_003 EMS_OT for managerial procedures. 	
Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes												
Bromochlorodifluoromethane	CBrClF2	100%	353-59-3	Not available.	-													
	<p>Chemical name fluorine INDEX No.: 009-001-00-0 CAS-No.: 7782-41-4 EC No.: 231-954-8 REACH Registration No.: 01-2120759325-50 Purity: 100%</p> <p>The purity of the substance in this section is used for classification only, and does not represent the actual purity of the substance as supplied, for which other documentation should be consulted.</p>	<p>High</p> <ul style="list-style-type: none"> Containers 3- 6 months 	<ul style="list-style-type: none"> Stored on impermeable site surface Appropriate container Location shown on 18.1_09_004 Site Plan See 018.1_05_003 EMS_OT for managerial procedures. 	MEDIUM														

Stage 1		Stage 2	Stage 3															
Hazardous Substances	Chemical Constituents	Potential Pollution Risk	Mitigation	Site Specific Pollution Possibility														
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Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes												
fluorine	F2	100%	7782-41-4	01-2120759325-50	-	#												
	<p>Chemical name hydrogen</p> <p>INDEX No.: 001-001-00-9</p> <p>CAS-No.: 1333-74-0</p> <p>EC No.: 215-605-7</p> <p>REACH Registration No.: Listed in Annex IV/V of Regulation (EC) No 1907/2006 (REACH), exempted from registration.</p> <p>Purity: 100%</p> <p>The purity of the substance in this section is used for classification only, and does not represent the actual purity of the substance as supplied, for which other documentation should be consulted.</p> <p>Trade name: Hydrogen High Purity, Hydrogen CP Grade N5.0, Hydrogen Research Grade N5.5, Hydrogen Zero Grade N4.5</p> <table border="1"> <thead> <tr> <th>Chemical name</th> <th>Chemical formula</th> <th>Concentration</th> <th>CAS-No.</th> <th>REACH Registration No.</th> <th>M-Factor:</th> <th>Notes</th> </tr> </thead> <tbody> </tbody> </table>	Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes	<p>High</p> <ul style="list-style-type: none"> Containers 3- 6 months 	<ul style="list-style-type: none"> Stored on hard standing Appropriate container Location shown on 18.1_09_004 Site Plan See 018.1_05_003 EMS_OT for managerial procedures. 	MEDUIM							
Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes												

Stage 1							Stage 2		Stage 3															
Hazardous Substances		Chemical Constituents					Potential Pollution Risk		Mitigation	Site Specific Pollution Possibility														
		hydrogen	H2	100%	1333-74-0	Listed in Annex IV/V of Regulation (EC) No 1907/2006 (REACH), exempted from registration.	-																	
		<p>The concentrations of the components in the SDS header, product name on page one and in section 3.2 are in mol due to regulatory requirements. All concentrations are nominal.</p> <p>## This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance.</p> <p>vPvB: very persistent and very bioaccumulative substance.</p>																						
•		<p>Chemical name methane</p> <p>INDEX No.: 601-001-00-4</p> <p>CAS-No.: 74-82-8</p> <p>EC No.: 200-812-7</p> <p>REACH Registration No.: 01-2119474442-39</p> <p>Purity: 100%</p> <p>The purity of the substance in this section is used for classification only, and does not represent the actual purity of the substance as supplied, for which other documentation should be consulted.</p> <p>Trade name: Methane CP Grade N2.5, Methane Low Ethylene Grade N3.5, Methane Research Grade N4.5, Methane Grade N6.0</p> <table border="1"> <thead> <tr> <th>Chemical name</th> <th>Chemical formula</th> <th>Concentration</th> <th>CAS-No.</th> <th>REACH Registration No.</th> <th>M-Factor:</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>methane</td> <td>CH4</td> <td>100%</td> <td>74-82-8</td> <td>01-2119474442-39</td> <td>-</td> <td></td> </tr> </tbody> </table> <p>The concentrations of the components in the SDS header, product name on page one and in section 3.2 are in mol due to regulatory requirements. All concentrations are nominal.</p>					Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes	methane	CH4	100%	74-82-8	01-2119474442-39	-		High	<ul style="list-style-type: none"> Containers 3- 6 months 	<ul style="list-style-type: none"> Stored on hardstanding Appropriate container Location shown on 18.1_09_004 Site Plan See 018.1_05_003 EMS_OT for managerial procedures. 	MEDUIM
Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes																		
methane	CH4	100%	74-82-8	01-2119474442-39	-																			

Stage 1		Stage 2	Stage 3															
Hazardous Substances	Chemical Constituents	Potential Pollution Risk	Mitigation	Site Specific Pollution Possibility														
	<p># # This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.</p>																	
•	<p>Chemical name Dinitrogen oxide INDEX No.: - CAS-No.: 10024-97-2 EC No.: 233-032-0 REACH Registration No.: 01-2119970538-25-0002 UK-01-7329405658-2-0001 Purity: 100% The purity of the substance in this section is used for classification only, and does not represent the actual purity of the substance as supplied, for which other documentation should be consulted. Trade name: Nitrous Oxide Atomic Absorption Grade N3.0, Nitrous Oxide Food Grade N3.0, Nitrous Oxide Research Grade N4.7, Nitrous Oxide Zero Grade N3.2</p> <table border="1"> <thead> <tr> <th>Chemical name</th> <th>Chemical formula</th> <th>Concentration</th> <th>CAS-No.</th> <th>REACH Registration No.</th> <th>M-Factor:</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>Dinitrogen oxide</td> <td>N2O</td> <td>100%</td> <td>10024-97-2</td> <td>01-2119970538-25-0002 UK-01-7329405658-2-0001</td> <td>-</td> <td>#</td> </tr> </tbody> </table> <p>The concentrations of the components in the SDS header, product name on page one and in section 3.2 are in mol due to regulatory requirements. All concentrations are nominal.</p> <p># # This substance has workplace exposure limit(s). PBT: persistent,</p>	Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes	Dinitrogen oxide	N2O	100%	10024-97-2	01-2119970538-25-0002 UK-01-7329405658-2-0001	-	#	<p>High</p> <ul style="list-style-type: none"> Containers 3- 6 months 	<ul style="list-style-type: none"> Stored on impermeable site surface Appropriate container Location shown on 18.1_09_004 Site Plan See 018.1_05_003 EMS_OT for managerial procedures. 	MEDUIM
Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes												
Dinitrogen oxide	N2O	100%	10024-97-2	01-2119970538-25-0002 UK-01-7329405658-2-0001	-	#												

Stage 1		Stage 2	Stage 3															
Hazardous Substances	Chemical Constituents	Potential Pollution Risk	Mitigation	Site Specific Pollution Possibility														
	<p>bioaccumulative and toxic substance.</p> <p>vPvB: very persistent and very bioaccumulative substance.</p>																	
•	<p>Chemical name phosgene; carbonyl chloride</p> <p>INDEX No.: 006-002-00-8</p> <p>CAS-No.: 75-44-5</p> <p>EC No.: 200-870-3</p> <p>REACH Registration No.: 01-2120739859-33</p> <p>Purity: 100%</p> <p>The purity of the substance in this section is used for classification only, and does not represent the actual purity of the substance as supplied, for which other documentation should be consulted.</p> <p>Trade name: -</p> <table border="1"> <thead> <tr> <th>Chemical name</th> <th>Chemical formula</th> <th>Concentration</th> <th>CAS-No.</th> <th>REACH Registration No.</th> <th>M-Factor:</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>phosgene; carbonyl chloride</td> <td>CCl2O</td> <td>100%</td> <td>75-44-5</td> <td>01-2120739859-33</td> <td>-</td> <td>#</td> </tr> </tbody> </table> <p>The concentrations of the components in the SDS header, product name on page one and in section 3.2 are in mol due to regulatory requirements. All concentrations are nominal.</p> <p># # This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance.</p> <p>vPvB: very persistent and very bioaccumulative substance.</p>	Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes	phosgene; carbonyl chloride	CCl2O	100%	75-44-5	01-2120739859-33	-	#	<p>High</p> <ul style="list-style-type: none"> Containers 3- 6 months 	<ul style="list-style-type: none"> Stored on impermeable site surface Appropriate container Location shown on 18.1_09_004 Site Plan See 018.1_05_003 EMS_OT for managerial procedures. 	MEDUIM
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•	<p>Propane</p> <p>CAS No: 74-98-6</p> <p>Index-Nr.: 601-003-00-5</p> <p>EC No (from EINECS): 200-827-9</p> <p>REACH Registration number: 01-2119486944-21</p>	<p>High</p> <ul style="list-style-type: none"> Containers 3- 6 months 	<ul style="list-style-type: none"> Stored on hard standing Appropriate container Location shown on 18.1_09_004 Site Plan 	MEDUIM														

Stage 1		Stage 2	Stage 3															
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	Contains no other components or impurities which will influence the classification of the product.		<ul style="list-style-type: none"> See 018.1_05_003 EMS_OT for managerial procedures. 															
•	<p>Chemical name Sulphur hexafluoride</p> <p>INDEX No.: -</p> <p>CAS-No.: 2551-62-4</p> <p>EC No.: 219-854-2</p> <p>REACH Registration No.: 01-2119458769-17-0006 UK-01-3091342478-1-0001</p> <p>Purity: 100%</p> <p>The purity of the substance in this section is used for classification only, and does not represent the actual purity of the substance as supplied, for which other documentation should be consulted.</p> <p>Trade name: -</p> <table border="1"> <thead> <tr> <th>Chemical name</th> <th>Chemical formula</th> <th>Concentration</th> <th>CAS-No.</th> <th>REACH Registration No.</th> <th>M-Factor:</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>Sulphur hexafluoride</td> <td>SF6</td> <td>100%</td> <td>2551-62-4</td> <td>01-2119458769-17-0006 UK-01-3091342478-1-0001</td> <td>-</td> <td>#</td> </tr> </tbody> </table> <p>The concentrations of the components in the SDS header, product name on page one and in section 3.2 are in mol due to regulatory requirements. All concentrations are nominal.</p> <p># # This substance has workplace exposure limit(s). PBT: persistent, bioaccumulative and toxic substance.</p> <p>vPvB: very persistent and very bioaccumulative substance.</p>	Chemical name	Chemical formula	Concentration	CAS-No.	REACH Registration No.	M-Factor:	Notes	Sulphur hexafluoride	SF6	100%	2551-62-4	01-2119458769-17-0006 UK-01-3091342478-1-0001	-	#		<ul style="list-style-type: none"> Stored on impermeable site surface Appropriate container Location shown on 18.1_09_004 Site Plan See 018.1_05_003 EMS_OT for managerial procedures. 	MEDIUM
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Iron		7439-89-6		34.4																																																		
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Stage 1							Stage 2		Stage 3	
Hazardous Substances	Chemical Constituents						Potential Pollution Risk		Mitigation	Site Specific Pollution Possibility
	Lead (Pb)	7439--92--1	0.008	0.008	0.008	0.006				
<ul style="list-style-type: none"> 20 01 33 batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries 	As above									



U M B R E L L A E N V I R O N M E N T A L

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