



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

Site Condition Report

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Site Condition Report

Site Address:

Environmental Solutions Waste Management Ltd

241 Engineers Road

Greenham Business Park

Newbury

Berkshire

RG19 6HN



environmental solutions

Registered Office:

Accounting & Taxation Centre,

4a 36 Queens Road,

Newbury,

Berkshire,

RG14 7NE

Application Reference:

EPR/JB3408LY/A001

Document Reference:

012.1_05_006

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D1	02/02/2023	AIL	AIL	Drafted for application EPR/JB3408LY/A001, to be reviewed by client.
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V1	13/04/2023	AIL	AIL	Approved by client for submission.

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Drawings

Drawing 1 Permit Boundary 004.1_09_00121

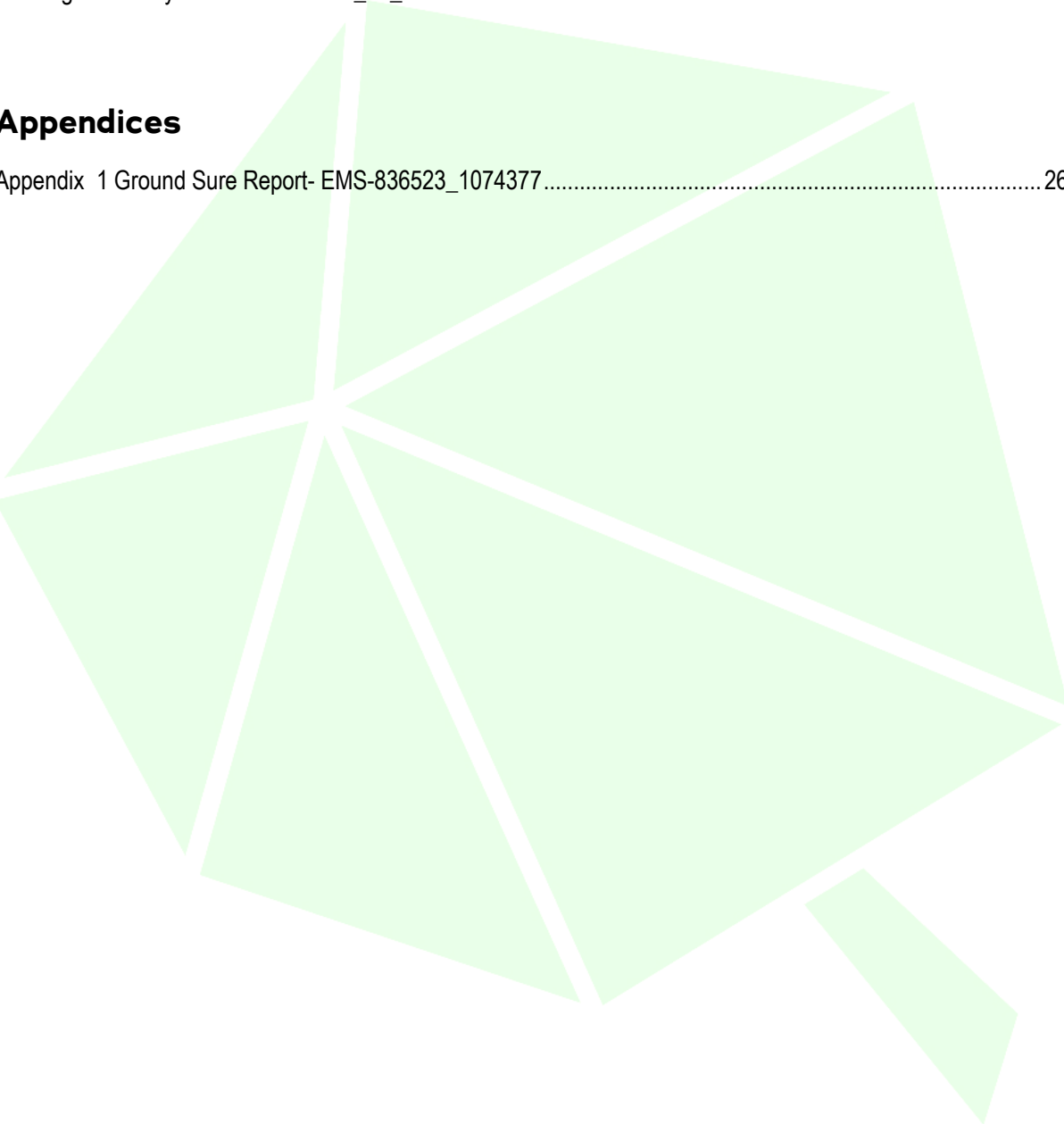
Drawing 2 Sensitive Receptors 004.1_09_00522

Drawing 3 Site Layout Ground 004.1_09_00623

Drawing 4 Site Layout 1st Floor 004.1_09_00724

Appendices

Appendix 1 Ground Sure Report- EMS-836523_107437726



1 INTRODUCTION

This Site Condition Report (SCR) relates to Environmental Solutions Waste Management site 241 Engineers Road Greenham Business Park Newbury Berkshire RG19 6HN. The permit being applied for is based on the Standard rules SR2015 No15, Waste electrical and electronic equipment authorised treatment facility (ATF) excluding ozone-depleting substances. However, with the additional waste codes being added the site will reflect more of a waste transfer station. The addition of these extra waste codes enables Environmental Solutions Waste Management to provide a complete waste service for the commercial sector.

The purpose of the site is to reduce disposal of waste and encourage re-use, refurbishment or recycling of Waste Electrical and Electronics Equipment (WEEE) and other waste arising from business clearances..

The permit does not allow the treatment of WEEE containing ozone-depleting substances but this waste can be accepted for storage only. The treatment and storage of WEEE meets the technical requirements of the WEEE Directive (2012/19/EU). Treatment of WEEE is carried out using Appropriate Measures, Recovery and Recycling Techniques (BATRRT).

WEEE treatment must be carried out inside a building. There are no point source emissions to air outside the building. Treatment includes, dismantling, separation, shredding, screening, grading, baling, shearing, compacting, crushing, granulation, repair or refurbishment, or cutting of waste into different components for recovery.

The permitted activities are carried out within 200 m of a European Site, Ramsar site or a Site of Special Scientific Interest (SSSI). The activities are not carried out within 50 m of any well spring or borehole used for the supply of water for human consumption. This includes private water supplies. There is no burning of any wastes, either in the open, inside buildings or in any form of incinerator. On site managerial procedures mitigate the risk posed by the activities to these receptors.

The site is approx. 0.174 ha and operates from Monday to Friday from 08:00 until 17:00. Waste is delivered by Environmental Solutions Waste Management Ltd own fleet or third parties that have worked with the operator for a long time and is pre booked into site prior to arrival. For waste deliveries the site is accessed via its northern boundary as shown on Site layout Ground 004.1_09_007 and Site Layout 1st floor 004.1_09_007. Once the waste vehicle has arrived on site it will be directed to the correct location to deposit their waste. All waste received to the permitted facility are subject to the waste acceptance procedures prior to being unloading see Environmental Management System (EMS) 004.1_05_007. During this stage if any non-conforming wastes are identified they are rejected, where not possible they will be stored in an appropriate manner and removed from site to an appropriately authorised facility as soon as practicably possible.

2 SITE DETAILS

Name of the applicant	Environmental Solutions Waste Management Ltd trading as 'Environmental Solutions'
Activity address	241 Engineers Road Greenham Business Park Newbury Berkshire RG19 6HN
National grid reference	SU 50102 64290
Document reference and dates for Site Condition Report at permit application and surrender	004.1_05_008 SCR V1 13/03/2023

Document references for site plans (including location and boundaries)	04.1_09_001	Permit Boundary Plan
	004.1_09_005	Sensitive Receptors
	004.1_09_006	Site layout Ground
	004.1_09_007	Site Layout 1st floor

3 CONDITION OF THE LAND AT PERMIT ISSUE

Environmental setting including:

- geology
- hydrogeology
- surface waters

Geology

On site, LSGR-UKNOWN Landscaped Ground (Undivided) Unknown/unclassified.

On site, SIGR-XSV Silchester Gravel Member - Sand And Gravel Sand And Gravel

Bedrock

On site LC-SANDU London Clay Formation - Sand Eocene Epoch

Superficial geology

On site SIGR-XSV Silchester gravel member sand and gravel.

Hydrogeology

Superficial Aquifer

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

Bedrock Aquifer

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

Abstractions

There are 24 groundwater abstractions within 2 km of the site.

There are 5 surface water abstractions within 2 km
There are 2 potable water abstractions within 800 m of site.

Surface Water

Hydrology

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

	<p>Secondary A Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.</p> <p>Ground water vulnerability</p> <p>Soil / surface - High</p> <p>Superficial geology -High</p> <p>Bedrock geology- Low</p> <p>Flooding</p> <p>The site is at no risk of flooding from rivers or coastal sources.</p> <p>There is no risk of surface water flooding on site.</p> <p>There is a moderate risk of groundwater flooding on site.</p>
<p>Pollution history including:</p> <p>pollution incidents that may have affected land</p> <p>historical land-uses and associated contaminants</p> <p>any visual/olfactory evidence of existing contamination</p> <p>evidence of damage to pollution prevention measures</p>	<p>Radon</p> <p>Less than 1%</p>
<p>Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)</p>	<p>Site was originally part of a wider use as an airfield. Many of the buildings that supported this function are still visible. Associated with the airfield would have been airplane maintenance and fuel storage that would include the use of hydrocarbons.</p> <p>In 1974 site was also used as an abattoir.</p>
<p>Baseline soil and groundwater reference data</p>	<p>None</p>
<p>Supporting information</p>	<ul style="list-style-type: none"> • Source information identifying environmental setting and pollution incidents • Historical Ordnance Survey plans • Site reconnaissance • Historical investigation / assessment / remediation / verification reports • Baseline soil and groundwater reference data

4 PERMITTED ACTIVITIES

Permitted activities	Description of activities	Limits of activities
	<p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R4: Recycling/reclamation of metals and metal compounds</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 it is produced)</p>	<p>Treatment consisting only of sorting, dismantling, separation, shredding, screening, grading, baling, shearing, compacting, crushing, granulation, repair or refurbishment, or cutting of waste into different components for recovery.</p> <p>There shall be no treatment of WEEE containing ozone depleting substances.</p> <p>There shall be no treatment of batteries except for sorting.</p> <p>There shall be no mechanical treatment of cooling equipment or display equipment.</p> <p>The maximum quantity of non-hazardous waste subject to a shredding operation shall not exceed 75 tonnes per day.</p> <p>The maximum quantity of hazardous waste treated for disposal or recovery activity shall not exceed 10 tonnes per day. This does not include the manual sorting, manual dismantling, repair or refurbishment of WEEE.</p> <p>Wastes shall be stored for no longer than 1 year prior to disposal or 3 years prior to recovery.</p> <p>The maximum quantity of hazardous waste stored at the site shall not exceed 50 tonnes at any one time of which no more than 10 tonnes shall be stored for disposal. This does not include WEEE awaiting manual sorting, manual dismantling, repair or refurbishment.</p>

Permitted Wastes

EWC code	Description
06	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 01	wastes from the manufacture, formulation, supply and use (MFSU) of acids

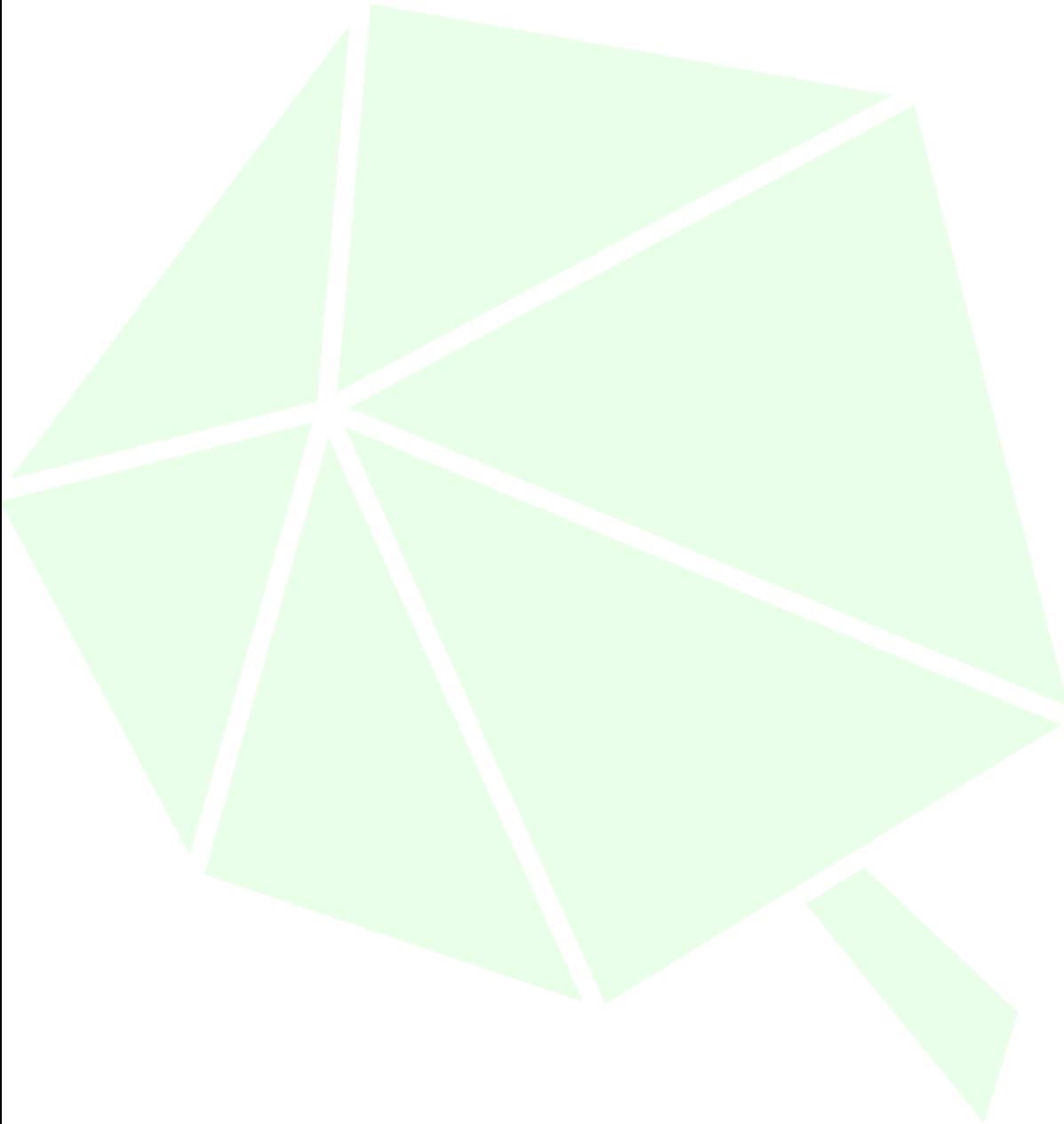
06 01 06*	other acids
06 04	metal-containing wastes other than those mentioned in 06 03
06 04 05*	wastes containing other heavy metals
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01	wastes from MFSU and removal of paint and varnish
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
08 04	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
09	WASTES FROM THE PHOTOGRAPHIC INDUSTRY
09 01	wastes from the photographic industry
09 01 11*	single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 09*	machining emulsions and solutions free of halogens
12 01 18*	metal sludge (grinding, honing and lapping sludge) containing oil
13	OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)
13 02	waste engine, gear and lubricating oils
13 02 04*	mineral-based chlorinated engine, gear and lubricating oils
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
14	WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)
14 06	waste organic solvents, refrigerants and foam/aerosol propellants
14 06 03*	other solvents and solvent mixtures
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 06	mixed packaging
15 01 07	glass packaging

15 02	absorbents, filter materials, wiping cloths and protective clothing
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 07*	Oil Filters
16 02	wastes from electrical and electronic equipment
16 02 09*	transformers and capacitors containing PCBs
16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
16 02 11*	discarded equipment containing chlorofluorocarbons, hydrochlorofluorocarbons and hydrofluorocarbons
16 02 12*	discarded equipment containing free asbestos
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02.13
16 02 15*	hazardous components removed from discarded equipment
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 05	gases in pressure containers and discarded chemicals
16 05 08*	discarded organic chemicals consisting of or containing hazardous substances
16 06	batteries and accumulators
16 06 01*	lead batteries
16 06 02*	Ni-Cad batteries
16 06 03*	mercury-containing batteries
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
16 10	aqueous liquid wastes destined for off-site treatment
16 10 01*	aqueous liquid wastes containing hazardous substances
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 01	Paper and Cardboard

	21 01 02	Glass				
	20 01 13*	Solvents				
	21 01 14*	acids				
	20 01 21*	fluorescent tubes and other mercury-containing waste				
	20 01 23*	discarded equipment containing chlorofluorocarbons				
	20 01 27*	paint, inks, adhesives and resins containing hazardous substances				
	20 01 30	detergents other than those mentioned in 20 01 29				
	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.				
	20 01 34	Batteries and accumulators other than those mentioned in 20 01 33				
	20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components				
	20 01 38	wood other than that mentioned in 20 01 37				
	20 01 39	Plastics				
	20 01 40	metals				
	20 03	other municipal wastes				
	20 03 01	mixed municipal wastes				
Non-permitted activities undertaken	N/A					
Document references for:	<table border="1"> <tr> <td>004.1_09_006</td> <td>Site layout Ground</td> </tr> <tr> <td>004.1_09_007</td> <td>Site Layout 1st floor</td> </tr> </table>		004.1_09_006	Site layout Ground	004.1_09_007	Site Layout 1st floor
004.1_09_006	Site layout Ground					
004.1_09_007	Site Layout 1st floor					
<ul style="list-style-type: none"> plan showing activity layout; and environmental risk assessment. 						

5 CHANGES TO THE ACTIVITY	
Have there been any changes to the activity boundary?	N/A
Have there been any changes to the permitted activities?	N/A
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	N/A
Checklist supporting information	<div style="display: flex; align-items: flex-start;"> <div style="width: 20px; text-align: center; font-weight: bold;">of</div> <div style="margin-left: 10px;"> <ul style="list-style-type: none"> Plan showing any changes to the boundary (where relevant) Description of the changes to the permitted activities (where relevant) List of 'dangerous substances' used/produced by the permitted activities that were not identified in the Application Site Condition Report (where relevant) </div> </div>

6 MEASURES TAKEN TO PROTECT LAND

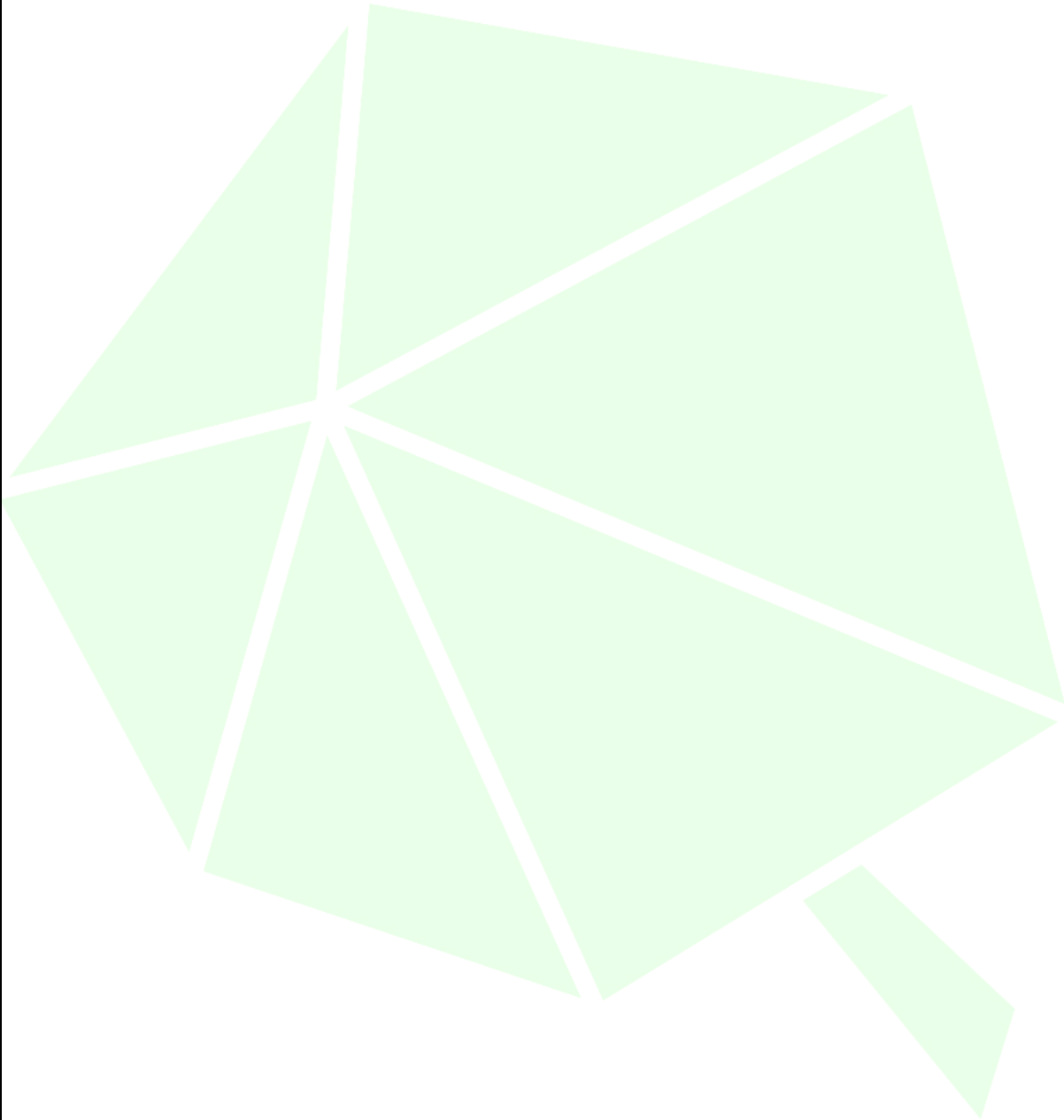


Checklist supporting information

of

- Inspection records and summary of findings of inspections for all pollution prevention measures
- Records of maintenance, repair and replacement of pollution prevention measures

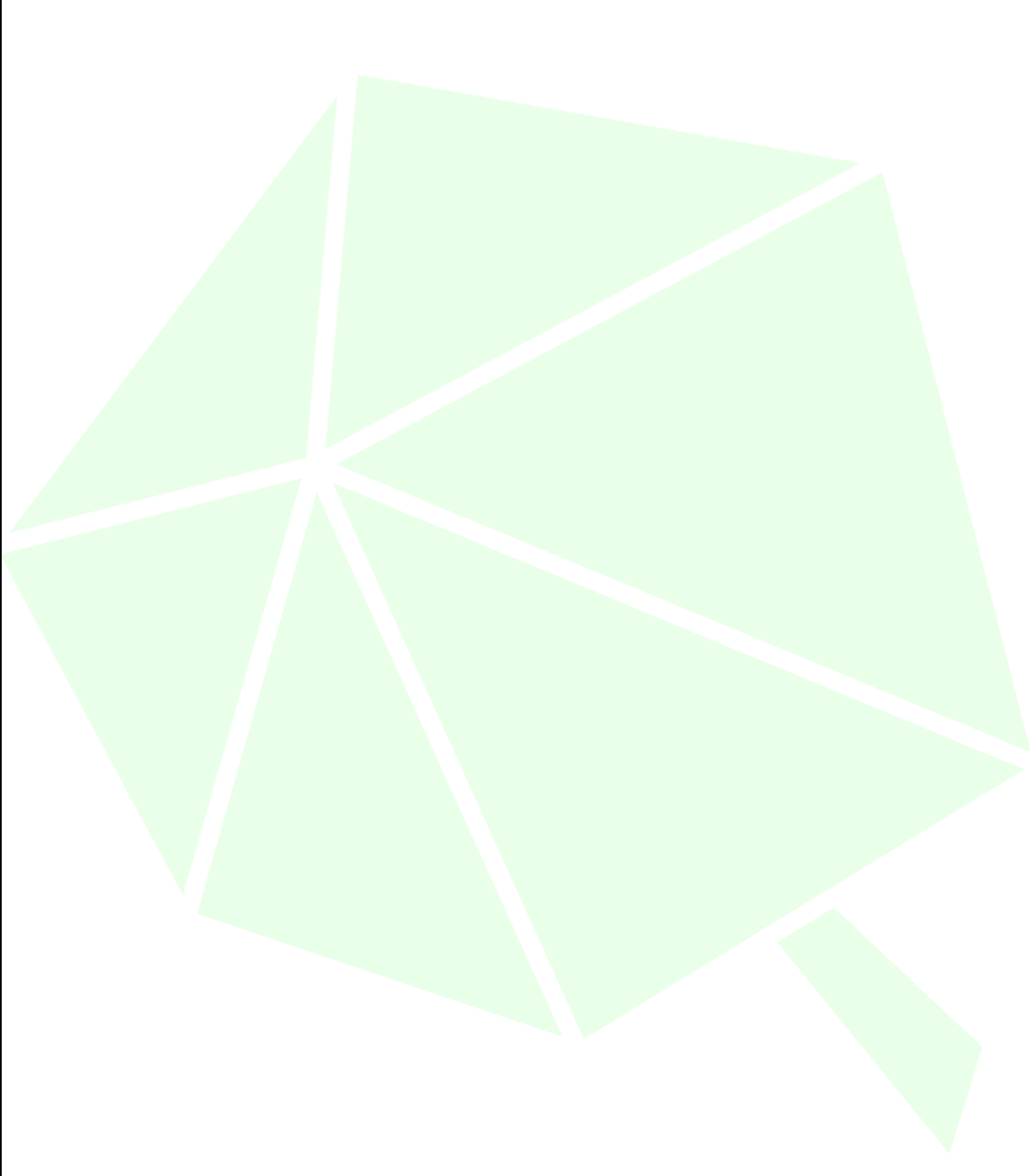
7 POLLUTION INCIDENTS THAT MAY HAVE HAD AN IMPACT ON LAND, AND THEIR REMEDIATION



Checklist of supporting information

- 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)

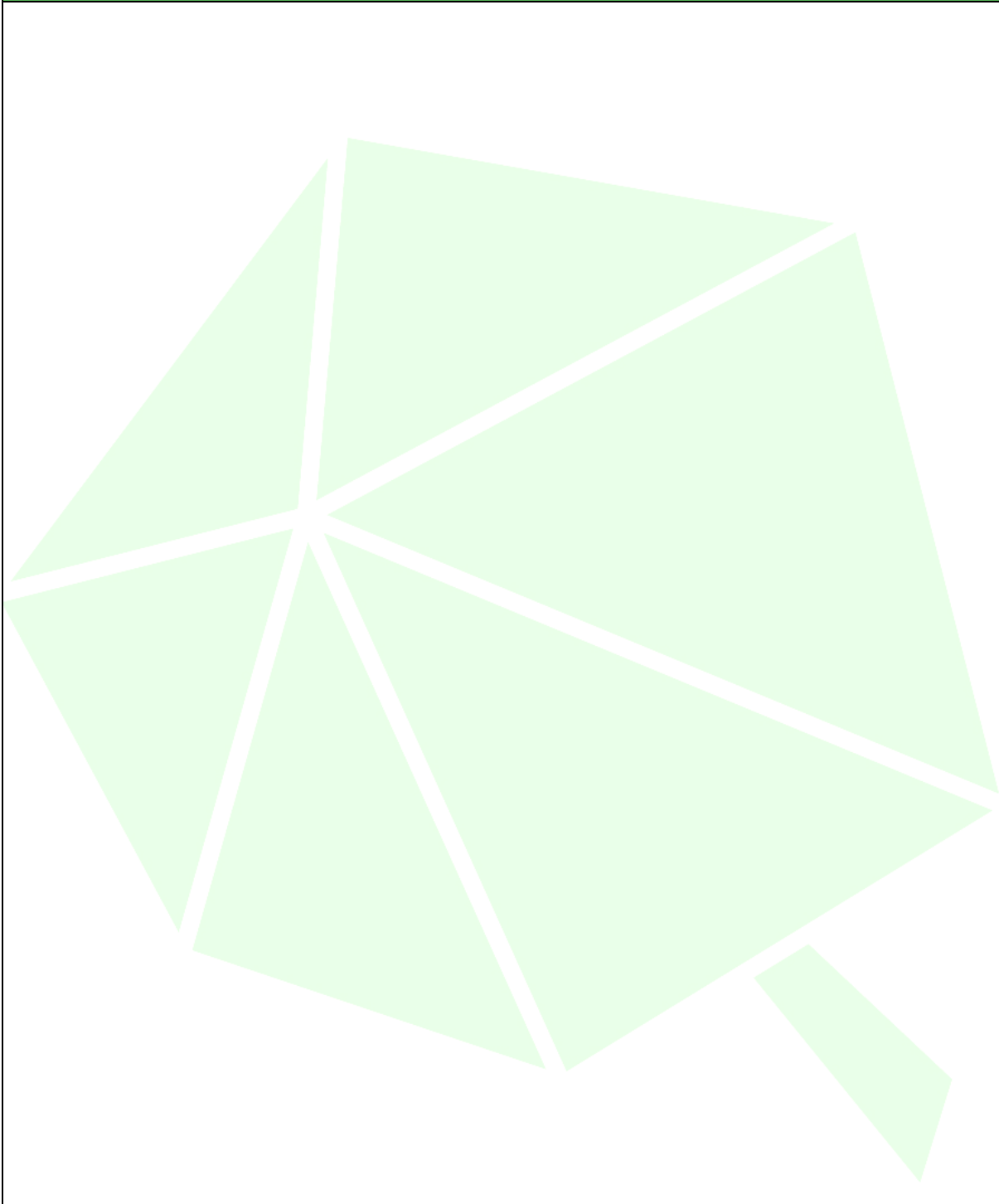


Checklist supporting information

of

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

9 DECOMMISSIONING AND REMOVAL OF POLLUTION RISK

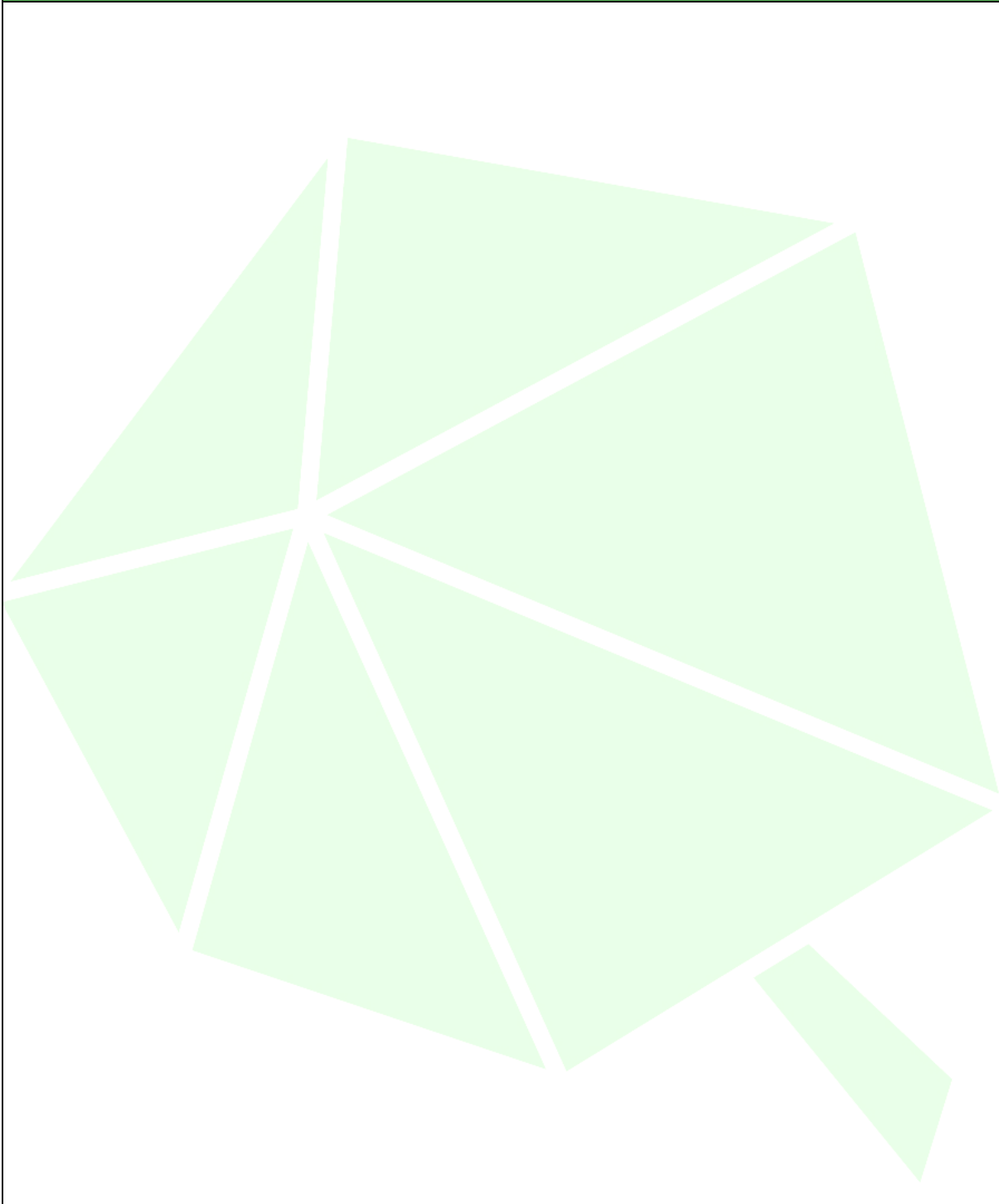


**Checklist
supporting
information**

of

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

10 REFERENCE DATA AND REMEDIATION (WHERE RELEVANT)

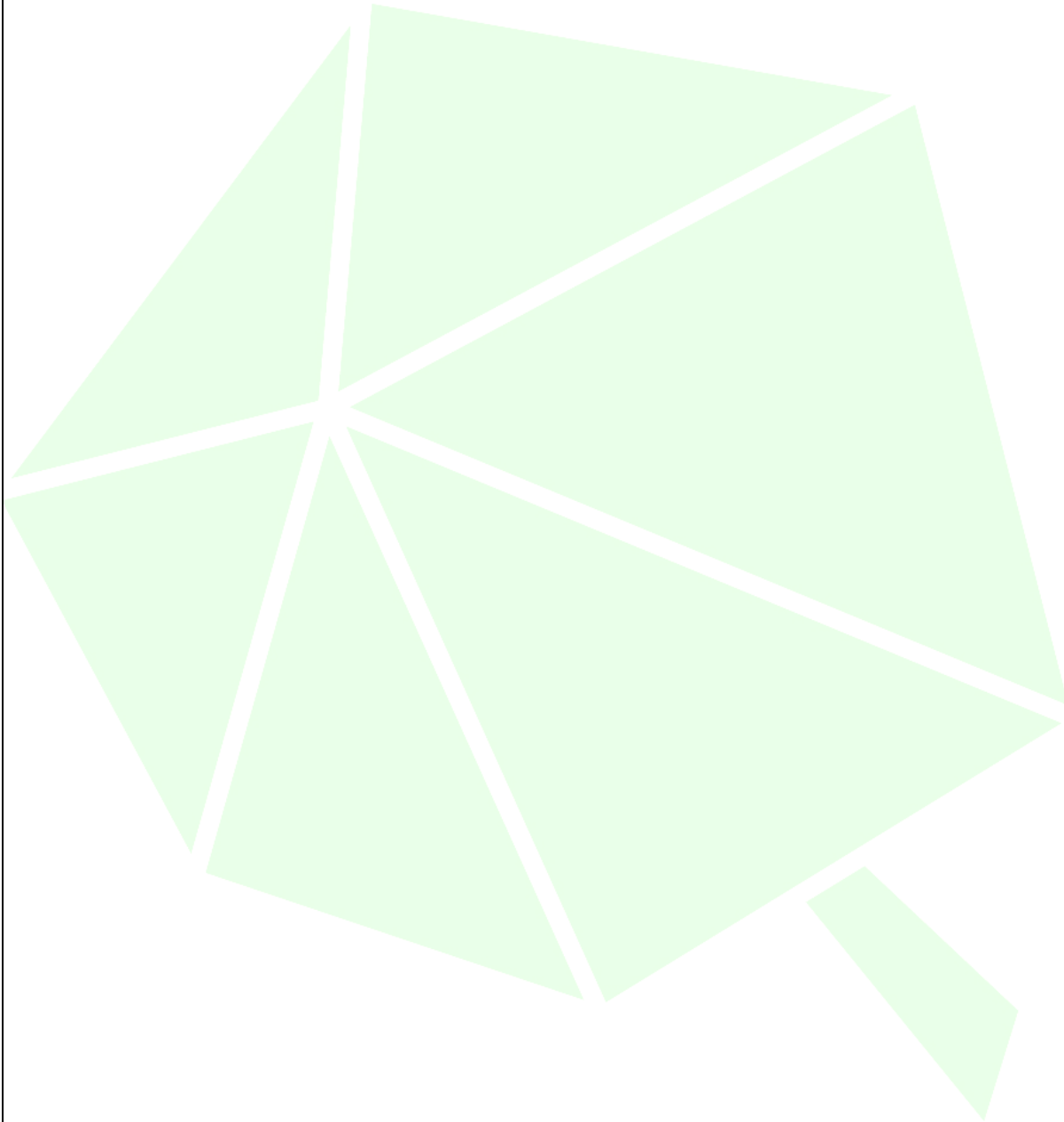


Checklist supporting information

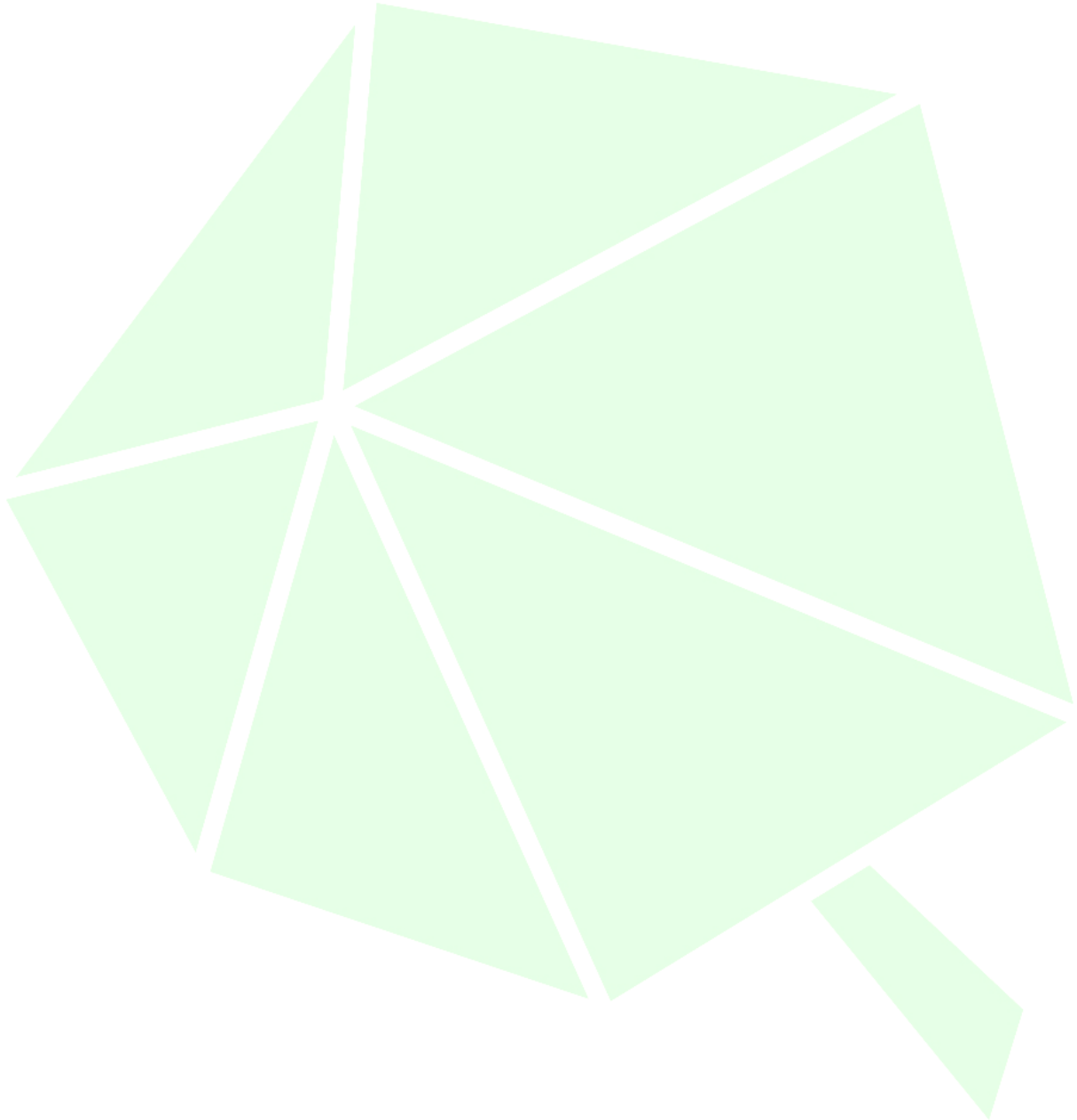
of

- 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)

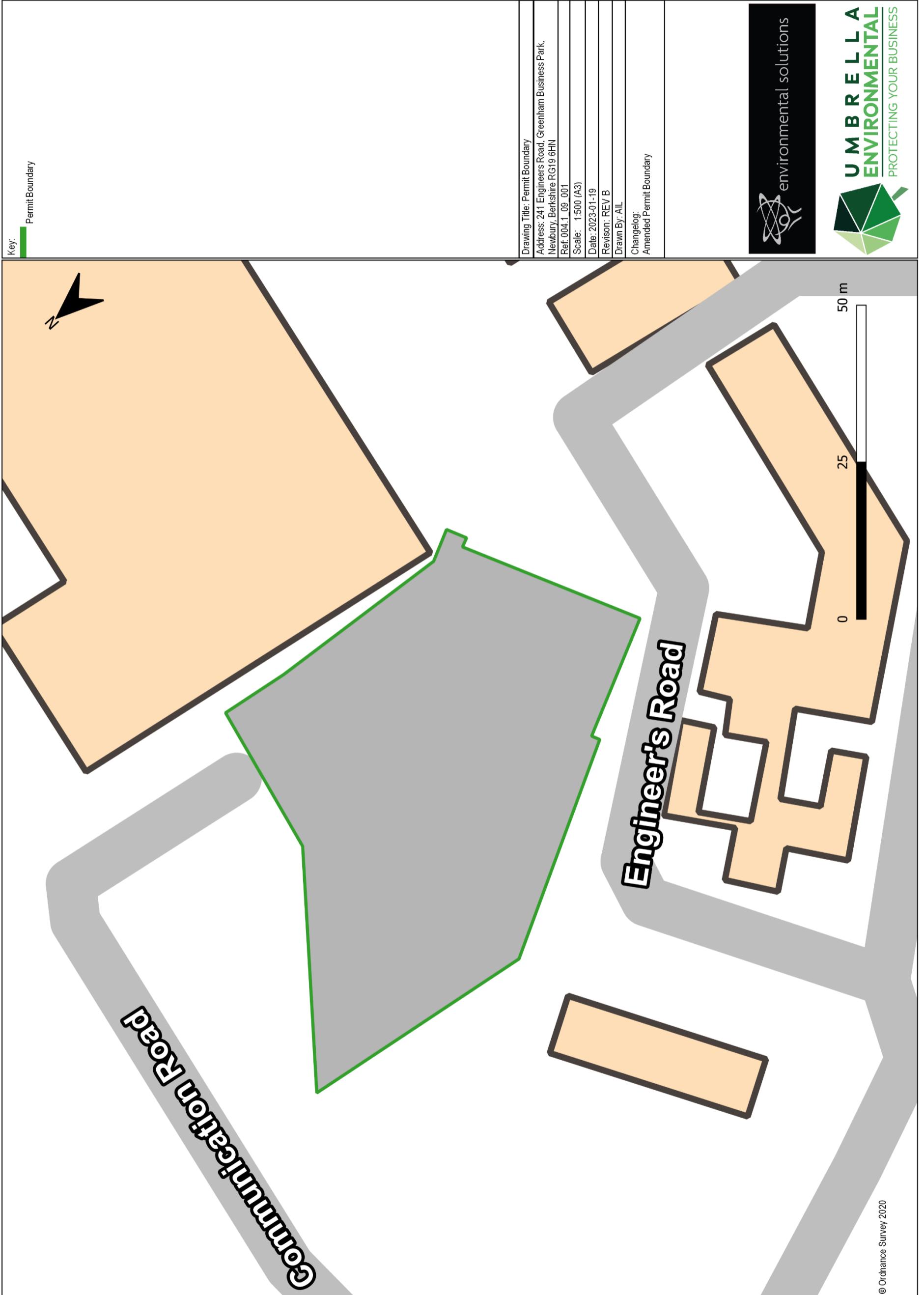
11 STATEMENT OF SITE CONDITION



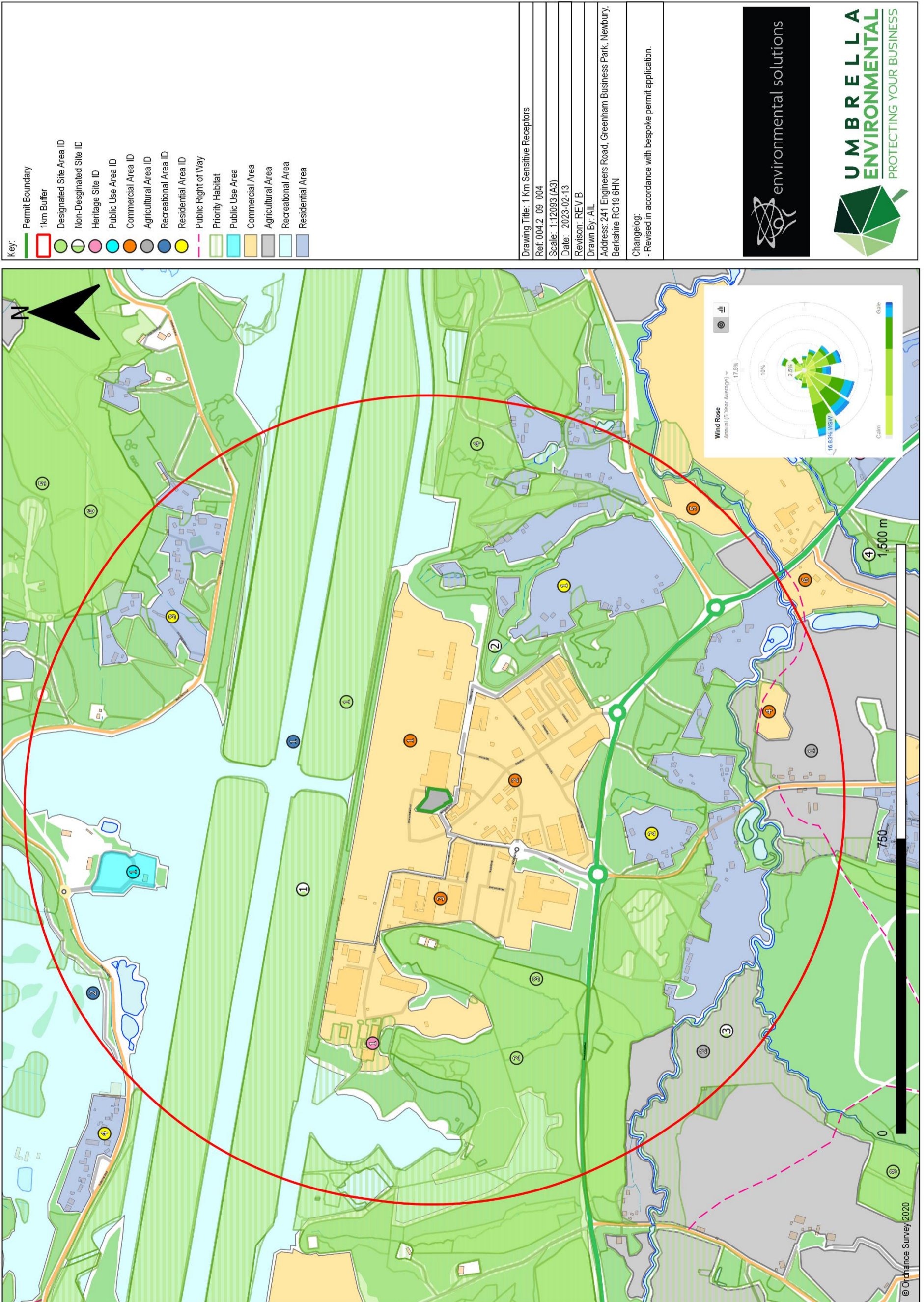
12 DRAWINGS



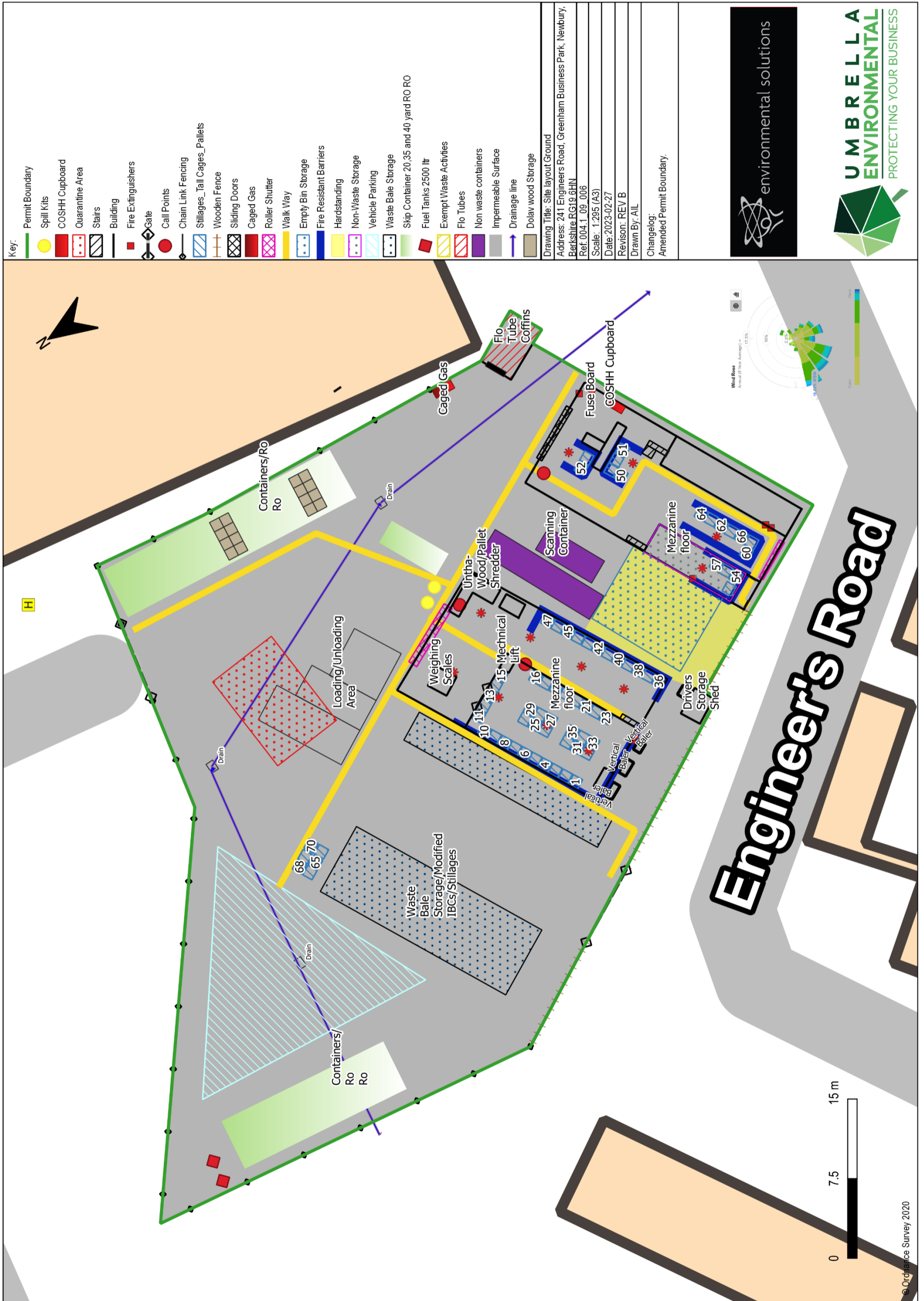
Drawing 1 Permit Boundary 004.1_09_001



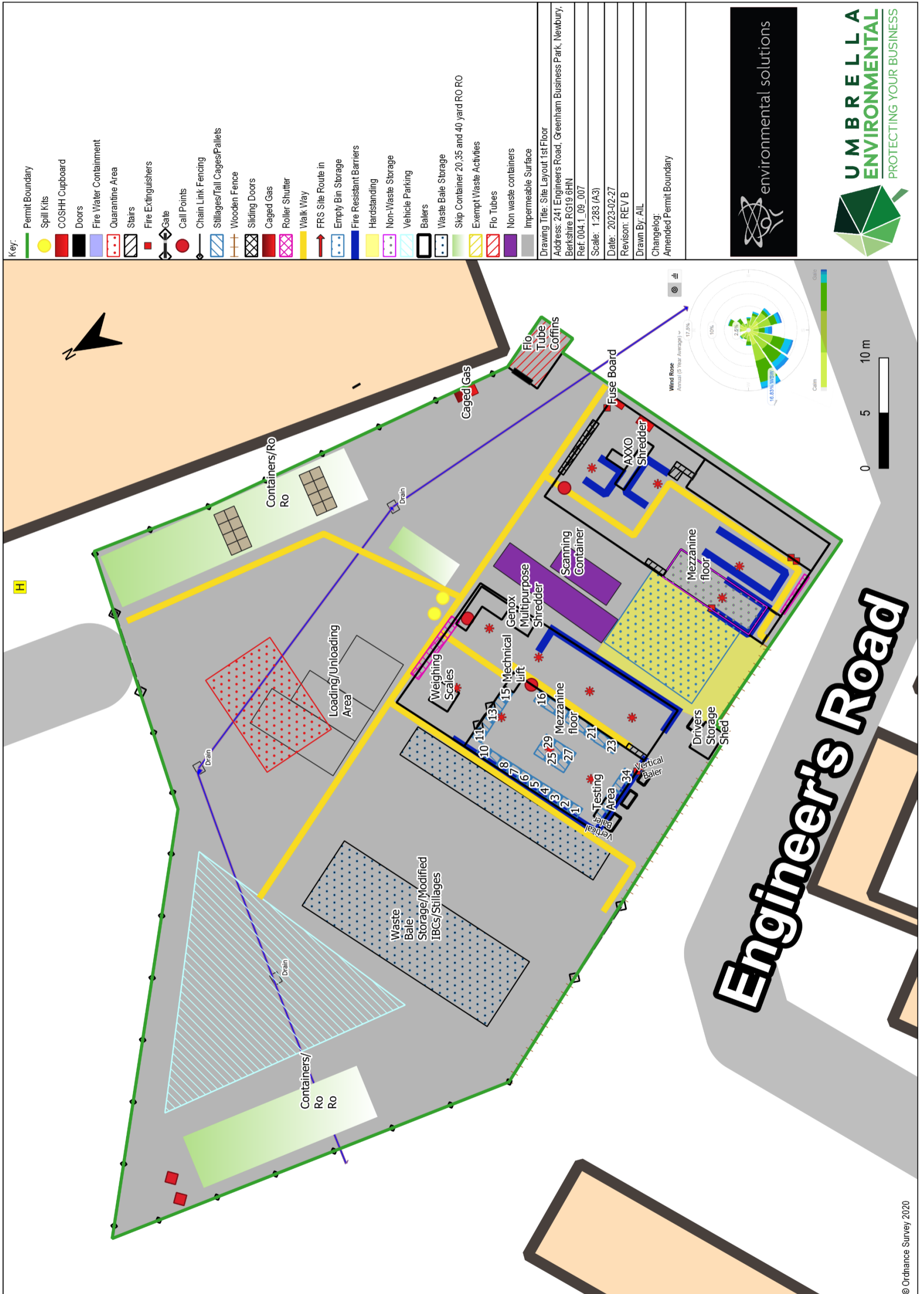
Drawing 2 Sensitive Receptors 004.1_09_005



Drawing 3 Site Layout Ground 004.1_09_006

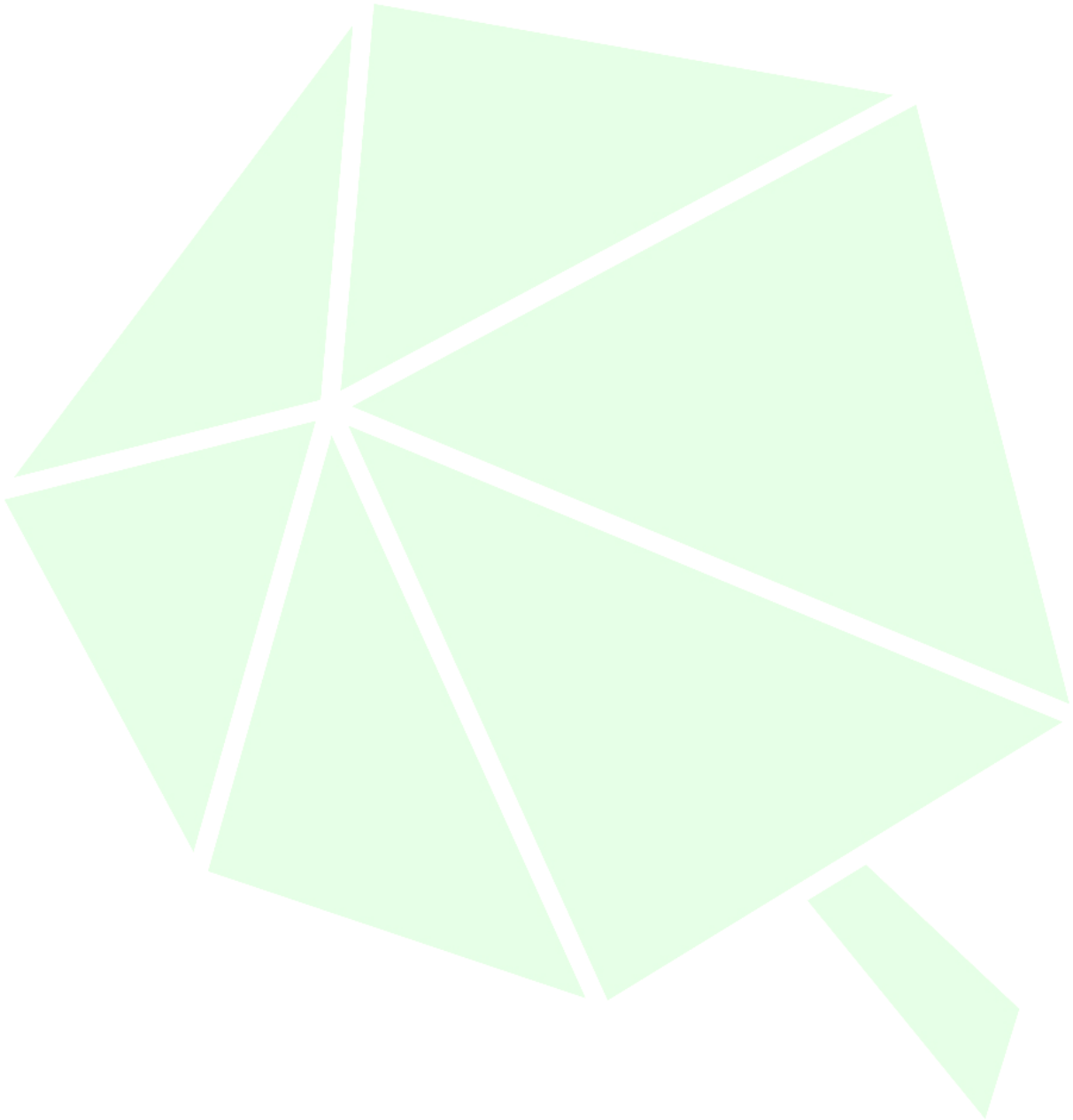


Drawing 4 Site Layout 1st Floor 004.1_09_007



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13 Appendices



Appendix 1 Ground Sure Report- EMS-836523_1074377



Order Details

Date: 11/01/2023
Your ref: EMS_836523_1033871
Our Ref: EMS-836523_1074377

Site Details

Location: 450095 164295
Area: 0.32 ha
Authority: [West Berkshire Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

groundsure.com/insightuserguide

Contact us with any questions at:
info@groundsure.com
08444 159 000



Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	<u>1.1</u>	<u>Historical industrial land uses</u>	2	1	4	27	-
16	<u>1.2</u>	<u>Historical tanks</u>	0	1	6	3	-
17	<u>1.3</u>	<u>Historical energy features</u>	0	0	2	2	-
17	1.4	Historical petrol stations	0	0	0	0	-
17	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	<u>2.1</u>	<u>Historical industrial land uses</u>	2	1	6	37	-
21	<u>2.2</u>	<u>Historical tanks</u>	0	1	10	5	-
22	<u>2.3</u>	<u>Historical energy features</u>	0	0	2	4	-
23	2.4	Historical petrol stations	0	0	0	0	-
23	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
24	3.1	Active or recent landfill	0	0	0	0	-
24	3.2	Historical landfill (BGS records)	0	0	0	0	-
25	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
25	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
25	3.5	Historical waste sites	0	0	0	0	-
25	<u>3.6</u>	<u>Licensed waste sites</u>	0	0	0	1	-
26	<u>3.7</u>	<u>Waste exemptions</u>	23	0	2	27	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
31	<u>4.1</u>	<u>Recent industrial land uses</u>	1	1	21	-	-
33	4.2	Current or recent petrol stations	0	0	0	0	-
33	4.3	Electricity cables	0	0	0	0	-
33	4.4	Gas pipelines	0	0	0	0	-
33	4.5	Sites determined as Contaminated Land	0	0	0	0	-



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Ref: EMS-836523_1074377
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34	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
34	4.7	Regulated explosive sites	0	0	0	0	-
34	4.8	Hazardous substance storage/usage	0	0	0	0	-
34	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
34	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
35	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	1	0	-
35	4.12	Radioactive Substance Authorisations	0	0	0	0	-
35	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	0	7	-
36	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
37	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	0	1	-
38	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	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
39	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
41	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
43	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
44	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
44	5.5	Groundwater vulnerability- local information	None (within 0m)				
45	5.6	<u>Groundwater abstractions</u>	0	0	0	0	24
51	5.7	<u>Surface water abstractions</u>	0	0	0	0	5
52	5.8	<u>Potable abstractions</u>	0	0	0	0	2
53	5.9	<u>Source Protection Zones</u>	1	1	0	0	-
53	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
54	6.1	Water Network (OS MasterMap)	0	0	0	-	-



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Date: 11 January 2023





Ref: EMS-836523_1074377
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54	6.2	Surface water features	0	0	0	-	-
55	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
55	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
56	6.5	WFD Groundwater bodies	0	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
57	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
57	7.2	Historical Flood Events	0	0	0	-	-
57	7.3	Flood Defences	0	0	0	-	-
58	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
58	7.5	Flood Storage Areas	0	0	0	-	-
59	7.6	Flood Zone 2	None (within 50m)				
59	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
60	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding					
62	9.1	<u>Groundwater flooding</u>	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
63	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	2	4	18
65	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
65	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
65	10.4	Special Protection Areas (SPA)	0	0	0	0	0
65	10.5	National Nature Reserves (NNR)	0	0	0	0	0
66	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
66	10.7	<u>Designated Ancient Woodland</u>	0	0	0	1	18
67	10.8	Biosphere Reserves	0	0	0	0	0
67	10.9	Forest Parks	0	0	0	0	0
67	10.10	Marine Conservation Zones	0	0	0	0	0
67	10.11	Green Belt	0	0	0	0	0
68	10.12	Proposed Ramsar sites	0	0	0	0	0



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68	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
68	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
68	10.15	Nitrate Sensitive Areas	0	0	0	0	0
69	<u>10.16</u>	<u>Nitrate Vulnerable Zones</u>	0	0	0	0	3
70	<u>10.17</u>	<u>SSSI Impact Risk Zones</u>	3	-	-	-	-
73	<u>10.18</u>	<u>SSSI Units</u>	0	0	2	5	25
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
86	11.1	World Heritage Sites	0	0	0	-	-
86	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
86	11.3	National Parks	0	0	0	-	-
86	11.4	Listed Buildings	0	0	0	-	-
87	11.5	Conservation Areas	0	0	0	-	-
87	11.6	Scheduled Ancient Monuments	0	0	0	-	-
87	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
88	<u>12.1</u>	<u>Agricultural Land Classification</u>	Non Agricultural (within 250m)				
89	<u>12.2</u>	<u>Open Access Land</u>	1	0	0	-	-
89	12.3	Tree Felling Licences	0	0	0	-	-
89	<u>12.4</u>	<u>Environmental Stewardship Schemes</u>	0	0	1	-	-
90	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
91	<u>13.1</u>	<u>Priority Habitat Inventory</u>	0	0	5	-	-
92	<u>13.2</u>	<u>Habitat Networks</u>	1	0	3	-	-
92	<u>13.3</u>	<u>Open Mosaic Habitat</u>	0	0	2	-	-
93	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
94	<u>14.1</u>	<u>10k Availability</u>	Identified (within 500m)				
95	<u>14.2</u>	<u>Artificial and made ground (10k)</u>	1	0	1	1	-
96	<u>14.3</u>	<u>Superficial geology (10k)</u>	1	0	1	0	-



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97	14.4	Landslip (10k)	0	0	0	0	-
98	14.5	<u>Bedrock geology (10k)</u>	1	0	1	2	-
99	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
100	15.1	<u>50k Availability</u>	Identified (within 500m)				
101	15.2	<u>Artificial and made ground (50k)</u>	1	0	0	0	-
102	15.3	<u>Artificial ground permeability (50k)</u>	1	0	-	-	-
103	15.4	<u>Superficial geology (50k)</u>	1	0	0	0	-
104	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
104	15.6	Landslip (50k)	0	0	0	0	-
104	15.7	Landslip permeability (50k)	None (within 50m)				
105	15.8	<u>Bedrock geology (50k)</u>	1	0	0	1	-
106	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
106	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
107	16.1	<u>BGS Boreholes</u>	0	0	7	-	-
Page	Section	Natural ground subsidence					
109	17.1	<u>Shrink swell clays</u>	Negligible (within 50m)				
110	17.2	<u>Running sands</u>	Negligible (within 50m)				
111	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
112	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
113	17.5	<u>Landslides</u>	Very low (within 50m)				
114	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
116	18.1	Natural cavities	0	0	0	0	-
117	18.2	<u>BritPits</u>	0	0	0	2	-
117	18.3	<u>Surface ground workings</u>	0	0	2	-	-
118	18.4	Underground workings	0	0	0	0	0
118	18.5	Historical Mineral Planning Areas	0	0	0	0	-



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118	18.6	Non-coal mining	0	0	0	0	0
118	18.7	Mining cavities	0	0	0	0	0
118	18.8	<u>JPB mining areas</u>	Identified (within 0m)				
119	18.9	Coal mining	None (within 0m)				
119	18.10	Brine areas	None (within 0m)				
119	18.11	Gypsum areas	None (within 0m)				
119	18.12	Tin mining	None (within 0m)				
120	18.13	Clay mining	None (within 0m)				

Page	Section	Radon					
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121 **19.1** **Radon** Less than 1% (within 0m)

Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
------	---------	----------------	---------	-------	---------	----------	-----------

123	20.1	<u>BGS Estimated Background Soil Chemistry</u>	1	0	-	-	-
123	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
123	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-

Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
------	---------	-------------------------------------	---------	-------	---------	----------	-----------

124	21.1	Underground railways (London)	0	0	0	-	-
124	21.2	Underground railways (Non-London)	0	0	0	-	-
124	21.3	Railway tunnels	0	0	0	-	-
124	21.4	Historical railway and tunnel features	0	0	0	-	-
124	21.5	Royal Mail tunnels	0	0	0	-	-
125	21.6	Historical railways	0	0	0	-	-
125	21.7	Railways	0	0	0	-	-
125	21.8	Crossrail 1	0	0	0	0	-
125	21.9	Crossrail 2	0	0	0	0	-
125	21.10	HS2	0	0	0	0	-



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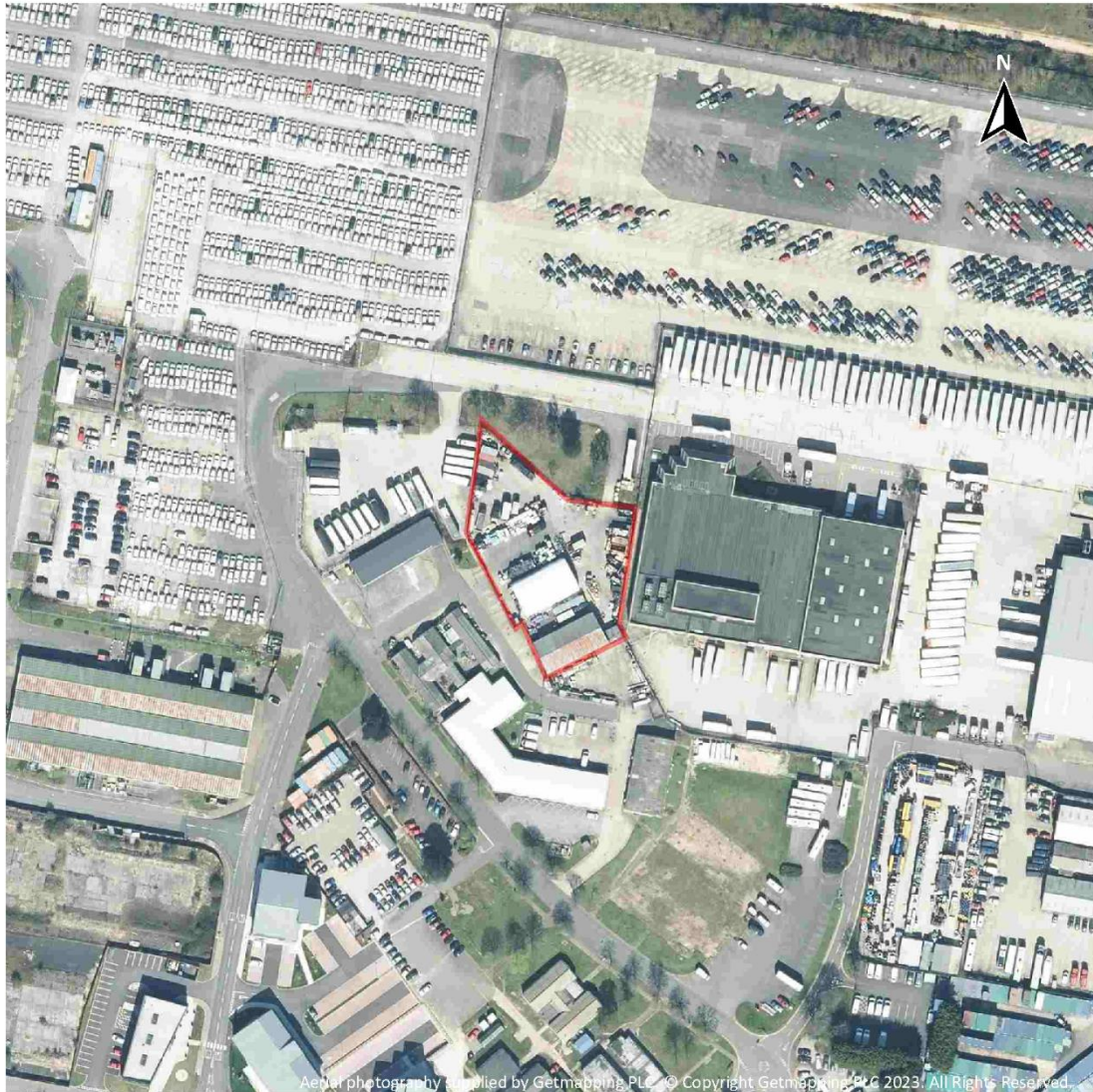
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Recent aerial photograph



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Capture Date: 04/04/2021

Site Area: 0.32ha



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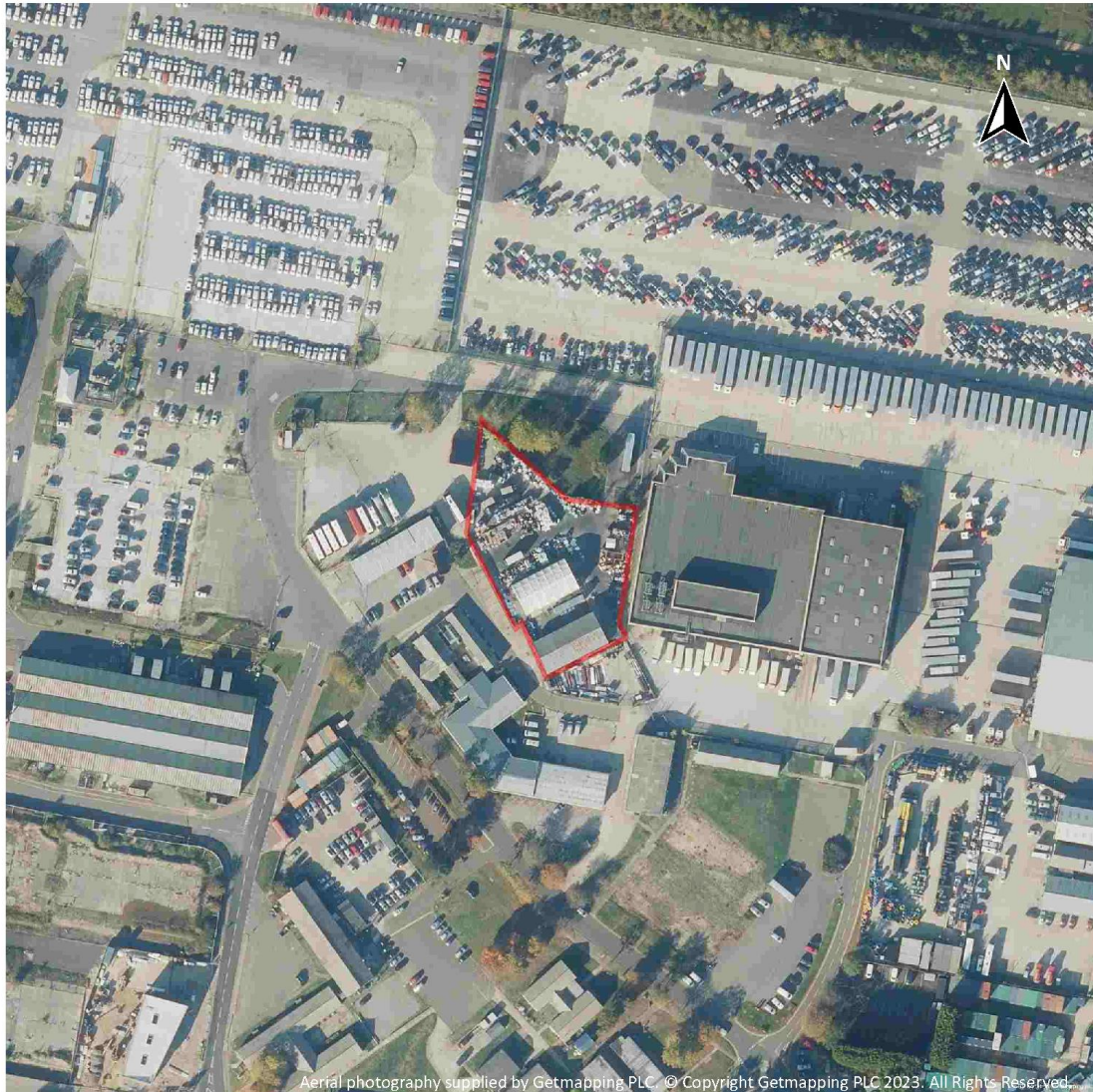
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Recent site history - 2018 aerial photograph



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Capture Date: 20/10/2018

Site Area: 0.32ha



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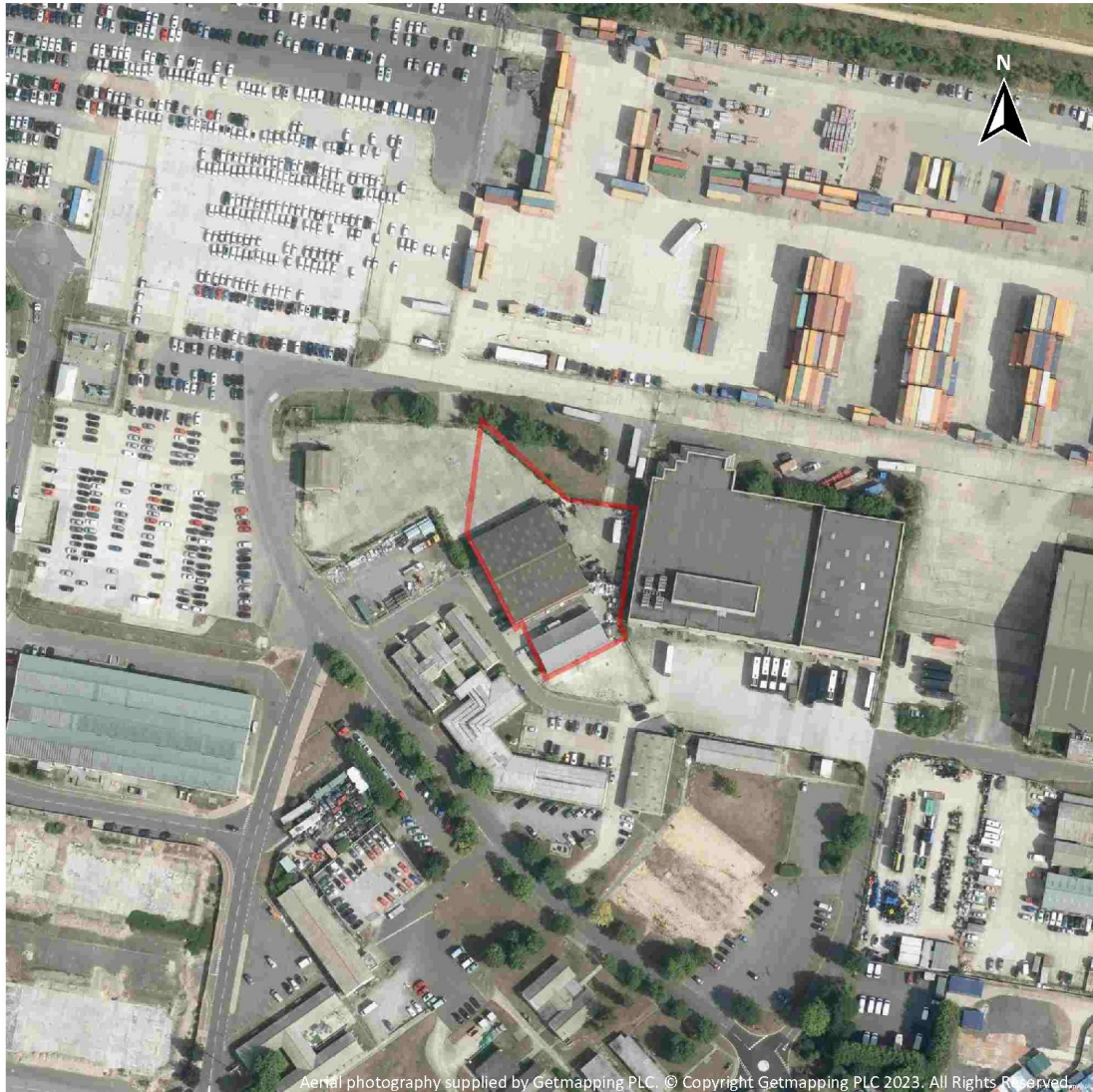
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Recent site history - 2013 aerial photograph



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Capture Date: 21/08/2013

Site Area: 0.32ha



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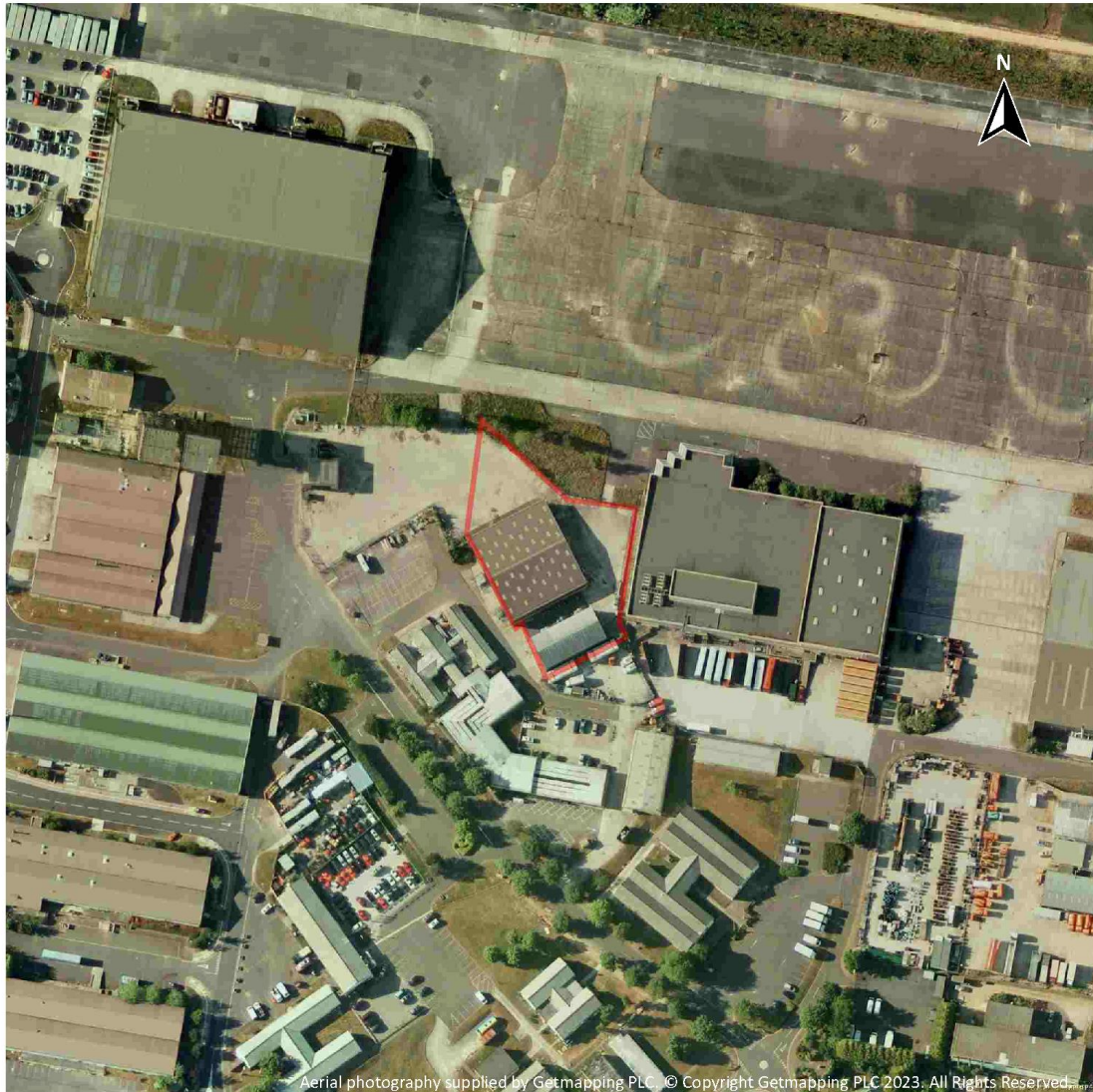
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Recent site history - 2005 aerial photograph



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Capture Date: 19/06/2005

Site Area: 0.32ha



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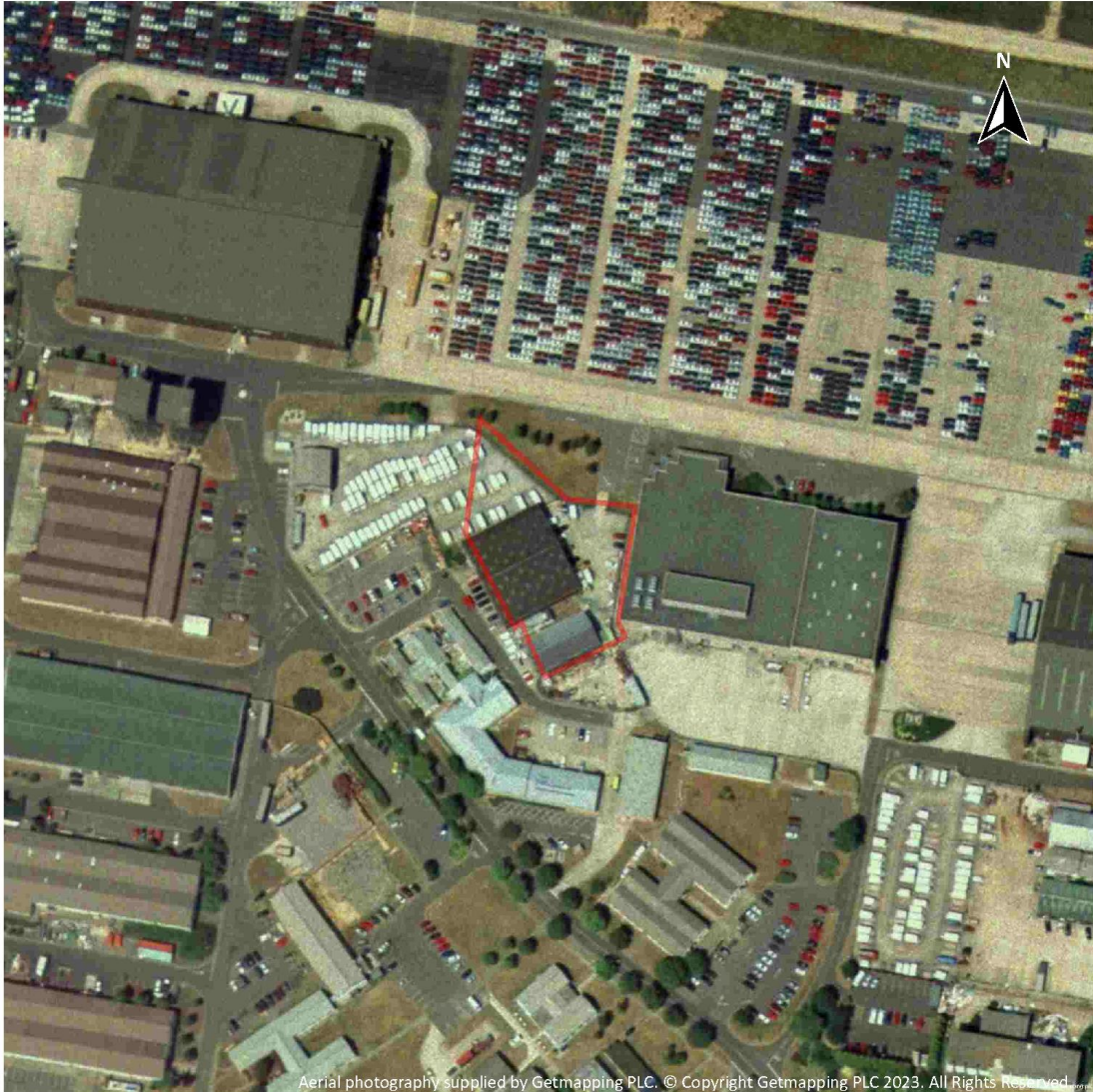
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Recent site history - 1999 aerial photograph



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Capture Date: 29/07/1999

Site Area: 0.32ha



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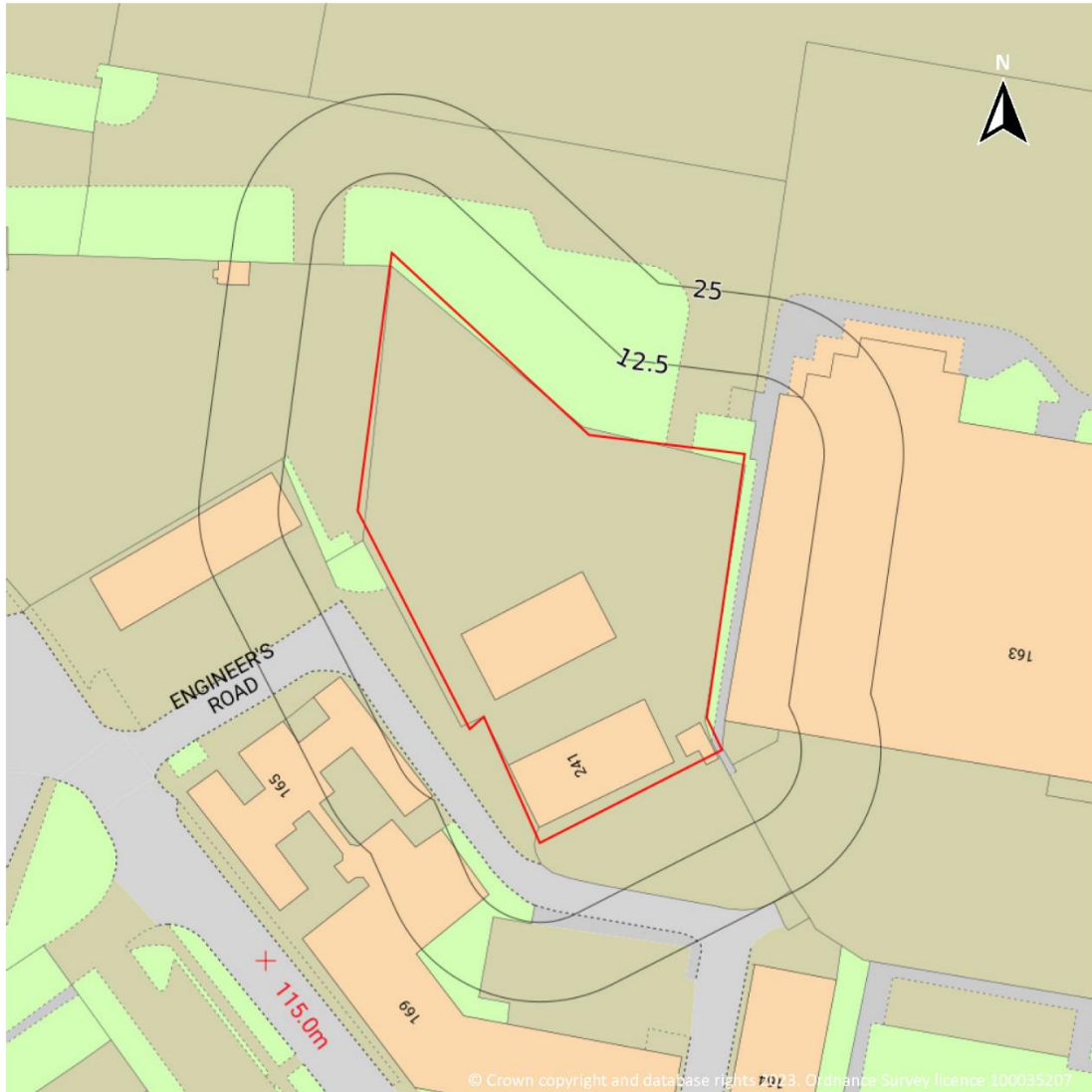
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OS MasterMap site plan



Site Area: 0.32ha



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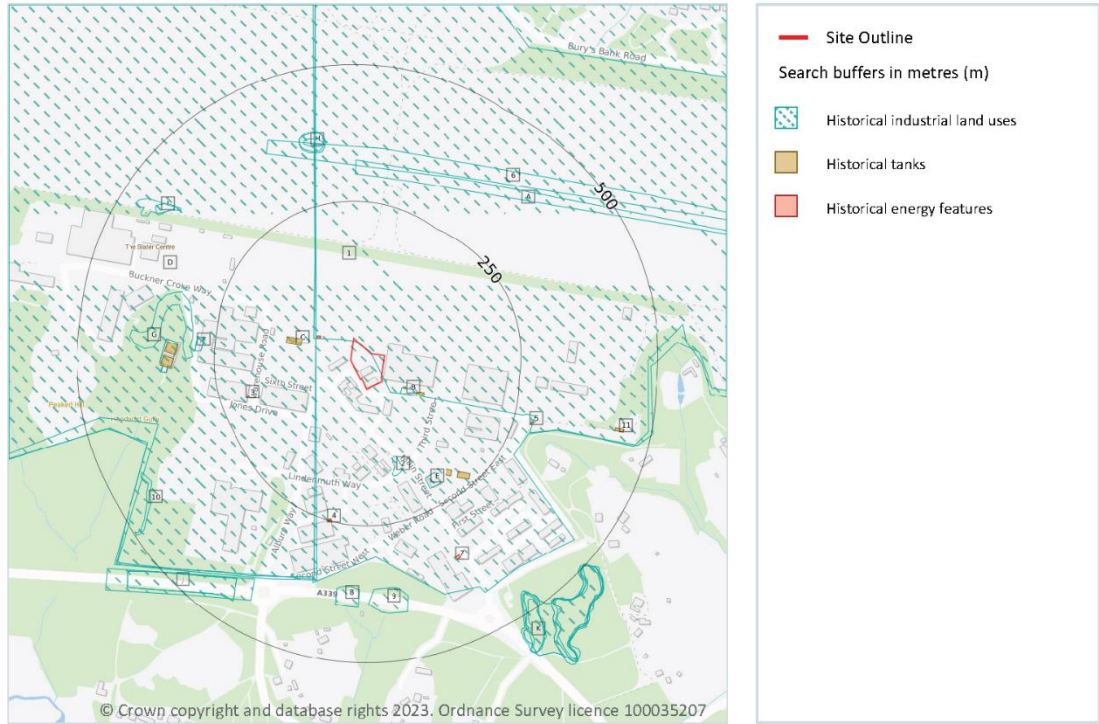
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1 Past land use



1.1 Historical industrial land uses

Records within 500m	34
----------------------------	-----------

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

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

ID	Location	Land use	Dates present	Group ID
1	On site	Airfield	1956	1946709



Ref: EMS-836523_1074377
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 Grid ref: 450095 164295

ID	Location	Land use	Dates present	Group ID
A	On site	Abattoir	1974	1883535
B	38m SE	Unspecified Tank	1974	1857975
D	64m W	Airfield	1980 - 1992	1925332
D	65m W	Airfield	1974	1937140
2	134m S	Unspecified Pit	1913	1908123
E	192m SE	Unspecified Tanks	1974	1870822
F	269m W	Unspecified Tanks	1992	1903041
F	269m W	Unspecified Tanks	1974	1948072
G	288m W	Unspecified Ground Workings	1974	1852186
A	298m N	Rifle Range	1898	1925981
6	314m N	Rifle Range	1871	1913038
G	319m W	Unspecified Tanks	1974	1919066
G	319m W	Unspecified Tanks	1992	1940563
H	345m N	Refuse Heap	1938	1884175
H	347m N	Gravel Pit	1932	1957857
H	355m N	Gravel Pit	1898 - 1910	1886324
8	361m S	Cuttings	1974	1882340
9	365m S	Cuttings	1974	1882338
I	393m NW	Unspecified Pit	1871	1906565
J	403m SW	Cuttings	1956	1916990
I	405m NW	Gravel Pit	1898 - 1910	1932889
J	419m SW	Cuttings	1992	1929512
J	419m SW	Cuttings	1974	1950461
10	424m SW	Unspecified Ground Workings	1871	1949885
K	461m SE	Old Gravel Pits	1899 - 1938	1941968
K	466m SE	Old Gravel Pits	1956	1943269
K	467m SE	Old Gravel Pits	1913	1891890
K	467m SE	Old Gravel Pits	1913	1936116



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ID	Location	Land use	Dates present	Group ID
K	480m SE	Unspecified Pit	1871	1964014
K	495m SE	Old Gravel Pits	1899	1914029
K	495m SE	Old Gravel Pits	1938 - 1956	1915829
K	497m SE	Unspecified Pit	1871	1944722
K	498m SE	Old Gravel Pits	1913	1929991

This data is sourced from Ordnance Survey / Groundsure.

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

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

ID	Location	Land use	Dates present	Group ID
B	41m SE	Unspecified Tank	1968	304954
B	67m SE	Tanks	1968	310493
C	94m W	Unspecified Tank	1968 - 1994	321326
C	109m W	Unspecified Tank	1968 - 1994	325986
3	197m W	Unspecified Tank	1968	304955
E	199m SE	Tanks	1968 - 1994	326806
E	216m SE	Tanks	1968 - 1994	315906
G	317m W	Unspecified Tank	1968 - 1994	327788
G	324m W	Unspecified Tank	1968 - 1994	323727
11	435m E	Unspecified Tank	1968	304940

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1.3 Historical energy features

Records within 500m	4
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
C	61m NW	Electricity Substation	1968	189433
4	246m S	Electricity Substation	1968	189432
5	282m E	Electricity Substation	1968	189439
7	346m SE	Electricity Substation	1970 - 1971	207018

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

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

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

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

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

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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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2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m	46
---------------------	----

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	On site	Airfield	1956	1946709
A	On site	Abattoir	1974	1883535
B	38m SE	Unspecified Tank	1974	1857975



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Ref: EMS-836523_1074377
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ID	Location	Land Use	Date	Group ID
D	64m W	Airfield	1992	1925332
D	65m W	Airfield	1974	1937140
D	67m W	Airfield	1956	1946709
E	134m S	Unspecified Pit	1913	1908123
E	134m S	Unspecified Pit	1913	1908123
F	192m SE	Unspecified Tanks	1974	1870822
G	269m W	Unspecified Tanks	1992	1903041
G	269m W	Unspecified Tanks	1974	1948072
H	288m W	Unspecified Ground Workings	1974	1852186
A	298m N	Rifle Range	1898	1925981
I	314m N	Rifle Range	1871	1913038
I	314m N	Rifle Range	1871	1913038
H	319m W	Unspecified Tanks	1992	1940563
H	319m W	Unspecified Tanks	1974	1919066
J	345m N	Refuse Heap	1938	1884175
J	347m N	Gravel Pit	1932	1957857
J	355m N	Gravel Pit	1910	1886324
J	355m N	Gravel Pit	1898	1886324
5	361m S	Cuttings	1974	1882340
6	365m S	Cuttings	1974	1882338
L	393m NW	Unspecified Pit	1871	1906565
L	393m NW	Unspecified Pit	1871	1906565
M	403m SW	Cuttings	1956	1916990
L	405m NW	Gravel Pit	1910	1932889
L	405m NW	Gravel Pit	1898	1932889
M	419m SW	Cuttings	1992	1929512
M	419m SW	Cuttings	1974	1950461
N	424m SW	Unspecified Ground Workings	1871	1949885



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Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

ID	Location	Land Use	Date	Group ID
N	424m SW	Unspecified Ground Workings	1871	1949885
O	461m SE	Old Gravel Pits	1938	1941968
O	461m SE	Old Gravel Pits	1899	1941968
O	466m SE	Old Gravel Pits	1956	1943269
O	467m SE	Old Gravel Pits	1913	1941968
O	467m SE	Old Gravel Pits	1913	1936116
O	467m SE	Old Gravel Pits	1913	1891890
O	480m SE	Unspecified Pit	1871	1964014
O	480m SE	Unspecified Pit	1871	1964014
O	495m SE	Old Gravel Pits	1938	1915829
O	495m SE	Old Gravel Pits	1899	1914029
O	497m SE	Unspecified Pit	1871	1944722
O	497m SE	Unspecified Pit	1871	1944722
O	498m SE	Old Gravel Pits	1913	1929991
O	498m SE	Old Gravel Pits	1956	1915829

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

16

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
B	41m SE	Unspecified Tank	1968	304954
B	67m SE	Tanks	1968	310493
C	94m W	Unspecified Tank	1968	321326
C	94m W	Unspecified Tank	1994	321326
C	109m W	Unspecified Tank	1968	325986



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Ref: EMS-836523_1074377
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ID	Location	Land Use	Date	Group ID
C	109m W	Unspecified Tank	1994	325986
2	197m W	Unspecified Tank	1968	304955
F	199m SE	Tanks	1968	326806
F	200m SE	Tanks	1994	326806
F	216m SE	Tanks	1968	315906
F	216m SE	Tanks	1994	315906
H	317m W	Unspecified Tank	1968	327788
H	318m W	Unspecified Tank	1994	327788
H	324m W	Unspecified Tank	1968	323727
H	325m W	Unspecified Tank	1994	323727
7	435m E	Unspecified Tank	1968	304940

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	6
----------------------------	----------

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
C	61m NW	Electricity Substation	1968	189433
3	246m S	Electricity Substation	1968	189432
4	282m E	Electricity Substation	1968	189439
K	346m SE	Electricity Substation	1970	207018
K	347m SE	Electricity Substation	1971	207018
K	347m SE	Electricity Substation	1971	207018

This data is sourced from Ordnance Survey / Groundsure.



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2.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

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

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

This data is sourced from Ordnance Survey / Groundsure.



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3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0
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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.



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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 24**

ID	Location	Details		
2	430m E	Site Name: Copart Uk Limited Site Address: Greenham Business Park, Greenham, Thatcham, Berkshire, RG19 6HN Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COP001 EPR reference: EA/EPR/FB3001XG/A001 Operator: Copart U K Limited Waste Management licence No: 403927 Annual Tonnage: 24999	Issue Date: 31/07/2017 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - 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

52

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 24](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	-	WEX235126	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	On site	-	WEX199022	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	On site	-	WEX199022	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	On site	-	WEX199022	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	On site	39-40 Marchington Industrial Estate, Marchington, ST14 8LP	EA/EPR/VP39 49AA/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
A	On site	-	WEX299108	Using waste exemption	Not on a Farm	Use of depolluted end-of-life vehicles for vehicle parts
A	On site	-	WEX299108	Treating waste exemption	Not on a Farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	On site	Greenham Business Park, 241 Engineers Road, Newbury, RG19 6HN	EA/EPR/VP39 48WN/A001	Treating waste exemption	Not on a Farm	Repair or refurbishment of WEEE
A	On site	241, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HN	WEX025252	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	On site	241, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HN	WEX025252	Treating waste exemption	Not on a farm	Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling



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ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	241, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HN	WEX025252	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	On site	241, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HN	WEX025252	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	On site	241, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HN	WEX000510	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	On site	241, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HN	WEX000510	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	On site	241, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HN	WEX000510	Treating waste exemption	Not on a farm	Sorting mixed waste
A	On site	241, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HN	WEX000510	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	On site	241, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HN	WEX000510	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	On site	241, Engineers Road, Geenham Business Park, Newbury, RG19 6HN	EA/EPR/VP38 46GV/A001	Treating waste exemption	Non-Agricultural waste only	Repair or refurbishment of WEEE
A	On site	241 Engineers Road Newbury Berkshire RG19 6HN	EPR/WH0615Y G/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
A	On site	241 Engineers Road Newbury Berkshire RG19 6HN	EPR/WH0615Y G/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling
A	On site	241 Engineers Road Newbury Berkshire RG19 6HN	EPR/WH0615Y G/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)



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ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	241 Engineers Road Newbury Berkshire RG19 6HN	EPR/WH0615Y G/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
A	On site	241 Engineers Road Greenham Business Park Newbury Berkshire RG19 6HN	EA/EPR/VP36 86XT/A001	Treating waste exemption	Non-Agricultural Waste Only	Repair or refurbishment of WEEE
B	59m SE	Land Redevelopment by Lindenmuth Way and Jones Drive, Communications Road, Greenham Business Park, Thatcham, RG19 6HN	WEX300854	Treating waste exemption	Not on a Farm	Screening and blending of waste
B	59m SE	Land Redevelopment by Lindenmuth Way and Jones Drive, Communications Road, Greenham Business Park, Thatcham, RG19 6HN	WEX300854	Using waste exemption	Not on a Farm	Use of waste in construction
C	281m SE	NEWBURY CONTAINER STOARGE, NEW GREENHAM PARK, WOFFORD WAY, GREENHAM, RG19 6HW	WEX149359	Using waste exemption	Not on a farm	Use of waste in construction
C	281m SE	275 Yard South, New Greenham Park, Newbury, RG19 6HW	WEX151527	Treating waste exemption	Not on a farm	Sorting mixed waste
C	281m SE	275 Yard South, New Greenham Park, Newbury, RG19 6HW	WEX151527	Treating waste exemption	Not on a farm	Manual treatment of waste
C	281m SE	275 Yard South, New Greenham Park, Newbury, RG19 6HW	WEX151527	Treating waste exemption	Not on a farm	Recovery of scrap metal
C	281m SE	275 Yard South, New Greenham Park, Newbury, RG19 6HW	WEX151527	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	281m SE	275 Yard South, New Greenham Park, Newbury, RG19 6HW	WEX151527	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	286m SE	Unit 14-16 Fulton Court Greenham Business Park Thatcham West Berkshire RG19 6HD	EPR/UF0400FE /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers



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ID	Location	Site	Reference	Category	Sub-Category	Description
D	286m SE	Unit 14-16 Fulton Court Greenham Business Park Thatcham West Berkshire RG19 6HD	EPR/UF0400FE /A001	Storing waste exemption	Non- Agricultural Waste Only	Storage of waste in a secure place
D	286m SE	Unit 14-16 Fulton Court Greenham Business Park Thatcham West Berkshire RG19 6HD	EPR/UF0400FE /A001	Treating waste exemption	Non- Agricultural Waste Only	Cleaning, washing, spraying or coating relevant waste
D	286m SE	Unit 14-16 Fulton Court Greenham Business Park Thatcham West Berkshire RG19 6HD	EPR/UF0400FE /A001	Using waste exemption	Non- Agricultural Waste Only	Use of waste for a specified purpose
E	288m SE	FULTON COURT, UNIT 11, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HD	WEX137586	Using waste exemption	Not on a farm	Use of waste for a specified purpose
E	288m SE	FULTON COURT, UNIT 11, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HD	WEX137586	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	288m SE	FULTON COURT, UNIT 11, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HD	WEX137586	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
E	288m SE	FULTON COURT, UNIT 11, GREENHAM BUSINESS PARK, GREENHAM, THATCHAM, RG19 6HD	WEX137586	Storing waste exemption	Not on a farm	Storage of waste in secure containers
1	372m SE	YARD, GREENHAM COMMON IND ESTATE, NEWBURY, RG19 6HP	WEX169551	Using waste exemption	Not on a farm	Use of waste in construction
F	373m N	Greenham and Crookham Commons Nature Reserve Bury's Bank Road Thatcham Berkshire RG19 8BZ	EPR/ME5742L X/A001	Disposing of waste exemption	Both agricultural and non- agricultural waste	Deposit of waste from dredging of inland waters
F	373m N	Greenham and Crookham Commons Nature Reserve Bury's Bank Road Thatcham Berkshire RG19 8BZ	EPR/ME5742L X/A001	Disposing of waste exemption	Both agricultural and non- agricultural waste	Burning waste in the open



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ID	Location	Site	Reference	Category	Sub-Category	Description
F	373m N	Greenham and Crookham Commons Nature Reserve Bury's Bank Road Thatcham Berkshire RG19 8BZ	EPR/ME5742L X/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
F	373m N	Greenham and Crookham Commons Nature Reserve Bury's Bank Road Thatcham Berkshire RG19 8BZ	EPR/ME5742L X/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
G	384m SE	275 Yard South New Greenham Park Berkshire RG19 6HW	EPR/NE5640E A/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
G	384m SE	275 Yard South New Greenham Park Berkshire RG19 6HW	EPR/NE5640E A/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
G	384m SE	275 Yard South New Greenham Park Berkshire RG19 6HW	EPR/NE5640E A/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
G	384m SE	275 Yard South New Greenham Park Berkshire RG19 6HW	EPR/NE5640E A/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
H	497m NW	English Provender Company Buckner Croke Way Berkshire RG19 6HA	EPR/QF0008N L/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste food
H	497m NW	English Provender Company Buckner Croke Way Berkshire RG19 6HA	EPR/QF0008N L/A001	Treating waste exemption	Non-Agricultural Waste Only	Dewatering using flocculants
H	497m NW	English Provender Company Buckner Croke Way Berkshire RG19 6HA	EPR/QF0008N L/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste at a water treatment works
H	497m NW	English Provender Company Buckner Croke Way Berkshire RG19 6HA	EPR/QF0008N L/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)

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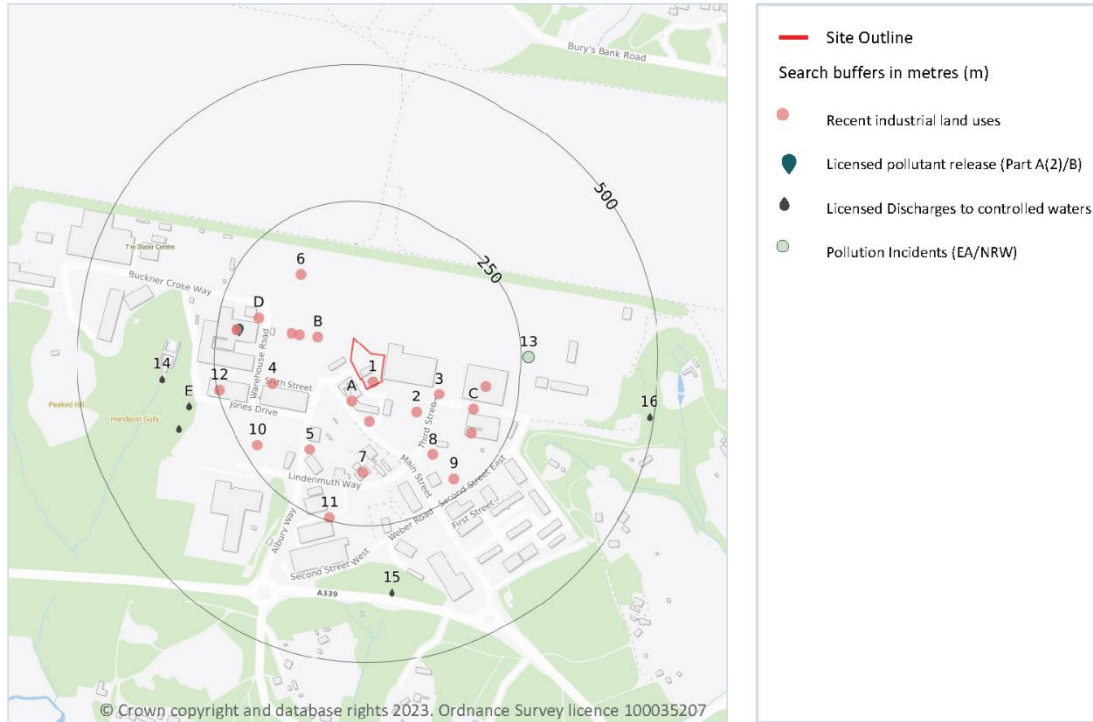
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4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m **23**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 31**

ID	Location	Company	Address	Activity	Category
1	On site	Environmental Solutions	241, Greenham Business Park, Greenham, Thatcham, Berkshire, RG19 6HN	Recycling, Reclamation and Disposal	Recycling Services
A	35m SW	Newbury	Suites 10-13 169, Greenham Business Park, Greenham, Thatcham, Berkshire, RG19 6HN	Bus and Coach Stations, Depots and Companies	Public Transport, Stations and Infrastructure



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ID	Location	Company	Address	Activity	Category
A	60m S	Electricity Sub Station	Berkshire, RG19	Electrical Features	Infrastructure and Facilities
B	66m NW	Electricity Sub Station	Berkshire, RG19	Electrical Features	Infrastructure and Facilities
2	84m SE	Electricity Sub Station	Berkshire, RG19	Electrical Features	Infrastructure and Facilities
B	99m NW	Tank	Berkshire, RG19	Tanks (Generic)	Industrial Features
3	106m E	Electricity Sub Station	Berkshire, RG19	Electrical Features	Infrastructure and Facilities
B	114m NW	Tank	Berkshire, RG19	Tanks (Generic)	Industrial Features
4	149m W	Tank	Berkshire, RG19	Tanks (Generic)	Industrial Features
5	151m SW	Total Rail Solutions	4, Communications Road, Greenham Business Park, Thatcham, Berkshire, RG19 6AB	Construction Plant	Construction Services
6	151m NW	Tank	Berkshire, RG19	Tanks (Generic)	Industrial Features
7	153m S	Panmure Instruments Ltd	109, Greenham Business Park, Greenham, Thatcham, Berkshire, RG19 6HN	Precision Engineers	Engineering Services
8	163m SE	Smarthire Vehicle Rental	Greenham Business Park, Greenham, Thatcham, Berkshire, RG19 6HW	Vehicle Hire and Rental	Hire Services
C	174m SE	Tank	Berkshire, RG19	Tanks (Generic)	Industrial Features
D	178m NW	Electricity Sub Station	Berkshire, RG19	Electrical Features	Infrastructure and Facilities
C	188m SE	GB Hydraulics Ltd	89c, Greenham Business Park, Greenham, Thatcham, Berkshire, RG19 6HW	Hydraulic Engineers	Engineering Services
C	189m E	Downton Delivers	302, Greenham Business Park, Greenham, Thatcham, Berkshire, RG19 6HN	Distribution and Haulage	Transport, Storage and Delivery
D	214m W	Bart Ingredients	300, Greenham Business Park, Greenham, Thatcham, Berkshire, RG19 6HN	Catering and Non Specific Food Products	Foodstuffs
D	214m W	Marshall Paint & Body Repair Centre	300, New Greenham Park, Warehouse Road, Thatcham, Berkshire, RG19 6HN	Vehicle Repair, Testing and Servicing	Repair and Servicing
9	222m SE	Tanks	Berkshire, RG19	Tanks (Generic)	Industrial Features
10	223m SW	Tank	Berkshire, RG19	Tanks (Generic)	Industrial Features



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ID	Location	Company	Address	Activity	Category
11	245m S	Electricity Sub Station	Berkshire, RG19	Electrical Features	Infrastructure and Facilities
12	246m W	Dalziel	100, Greenham Business Park, Greenham, Thatcham, Berkshire, RG19 6HN	Food and Beverage Industry Machinery	Industrial Products

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0
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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
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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	1
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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.

Features are displayed on the Current industrial land use map on **page 31**

ID	Location	Address	Details	
D	210m W	Marshall Morot Group Ltd, Unit 300 North East Warehouse Road, New Greenham Park, Berkshire, RG19 6HN	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

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	7
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Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 31**

ID	Location	Address	Details	
E	307m W	NEW GREENHAM PARK, THATCHAM, NEWBUR, NEW GREENHAM PARK THATCHAM NEW, BURY BERKSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CATM.2780 Permit Version: 1 Receiving Water: UNKNOWN	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 21/03/1997 Effective Date: 21/03/1997 Revocation Date: 13/04/2007
E	307m W	NEW GREENHAM PARK, THATCHAM, NEWBUR, NEW GREENHAM PARK THATCHAM NEW, BURY BERKSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CATM.2780 Permit Version: 2 Receiving Water: UNKNOWN	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 13/04/2007 Effective Date: 13/04/2007 Revocation Date: 13/02/2013



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ID	Location	Address	Details	
E	307m W	NEW GREENHAM PARK, THATCHAM, NEWBUR, NEW GREENHAM PARK THATCHAM NEW, BURY BERKSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CATM.2780 Permit Version: 3 Receiving Water: GROUNDWATER VIA A SOAKAWAY	Status: VARIED UNDER EPR 2010 Issue date: 14/02/2013 Effective Date: 14/02/2013 Revocation Date: -
E	338m W	NEW GREENHAM PARK, THATCHAM, NEWBUR, NEW GREENHAM PARK THATCHAM NEW, BURY BERKSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CATM.2779 Permit Version: 1 Receiving Water: HANDPOST GULLY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 21/03/1997 Effective Date: 21/03/1997 Revocation Date: -
14	347m W	NEW GREENHAM PARK, THATCHAM, NEWBUR, NEW GREENHAM PARK THATCHAM NEW, BURY BERKSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CATM.2777 Permit Version: 1 Receiving Water: HANDPOST GULLY	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 21/03/1997 Effective Date: 21/03/1997 Revocation Date: -
15	374m S	NEW GREENHAM PARK, THATCHAM, NEWBUR, NEW GREENHAM PARK THATCHAM NEW, BURY BERKSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CATM.2774 Permit Version: 1 Receiving Water: RIVER ENBORNE	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 21/03/1997 Effective Date: 21/03/1997 Revocation Date: -
16	491m E	NEW GREENHAM PARK, THATCHAM, NEWBUR, NEW GREENHAM PARK THATCHAM NEW, BURY BERKSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CATM.2776 Permit Version: 1 Receiving Water: TRIBUTARY OF THE RIVER ENBORNE	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 21/03/1997 Effective Date: 21/03/1997 Revocation Date: -

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.



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4.15 Pollutant release to public sewer

Records within 500m	0
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Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

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

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

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

4.17 List 2 Dangerous Substances

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

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

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

4.18 Pollution Incidents (EA/NRW)

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

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

Features are displayed on the Current industrial land use map on **page 31**

ID	Location	Details
13	263m E	Incident Date: 23/02/2003 Incident Identification: 138719 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off 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.



Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

4.19 Pollution inventory substances

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

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

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

4.20 Pollution inventory waste transfers

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

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

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

4.21 Pollution inventory radioactive waste

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

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

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



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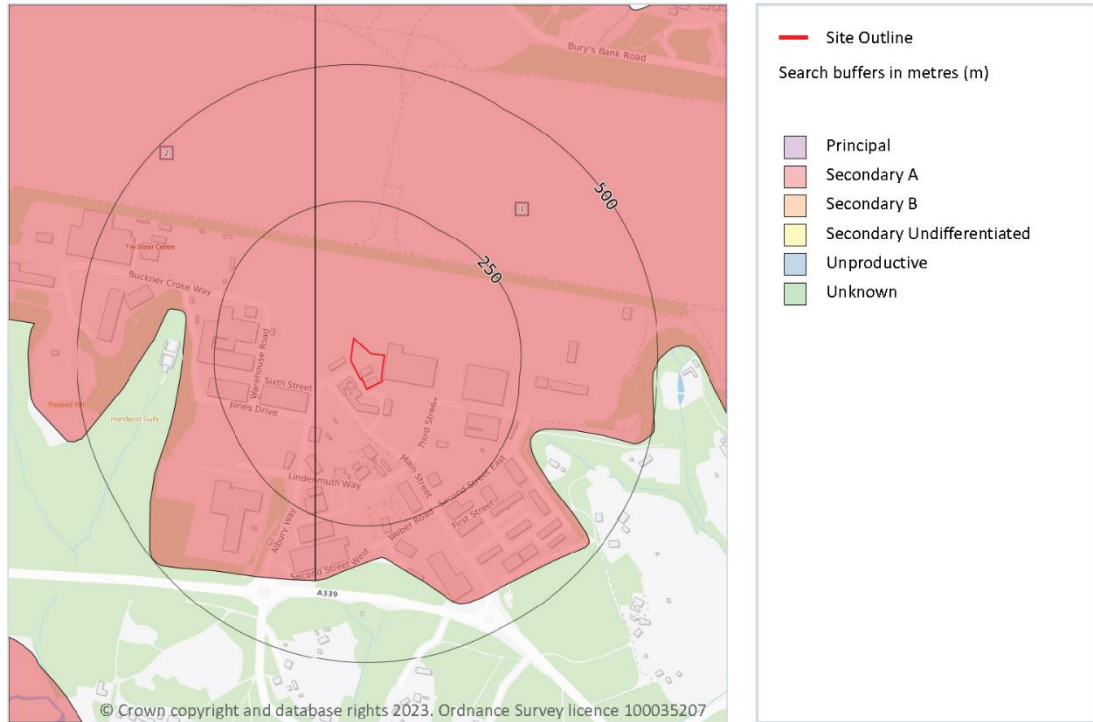
Date: 11 January 2023





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 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

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	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	65m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



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



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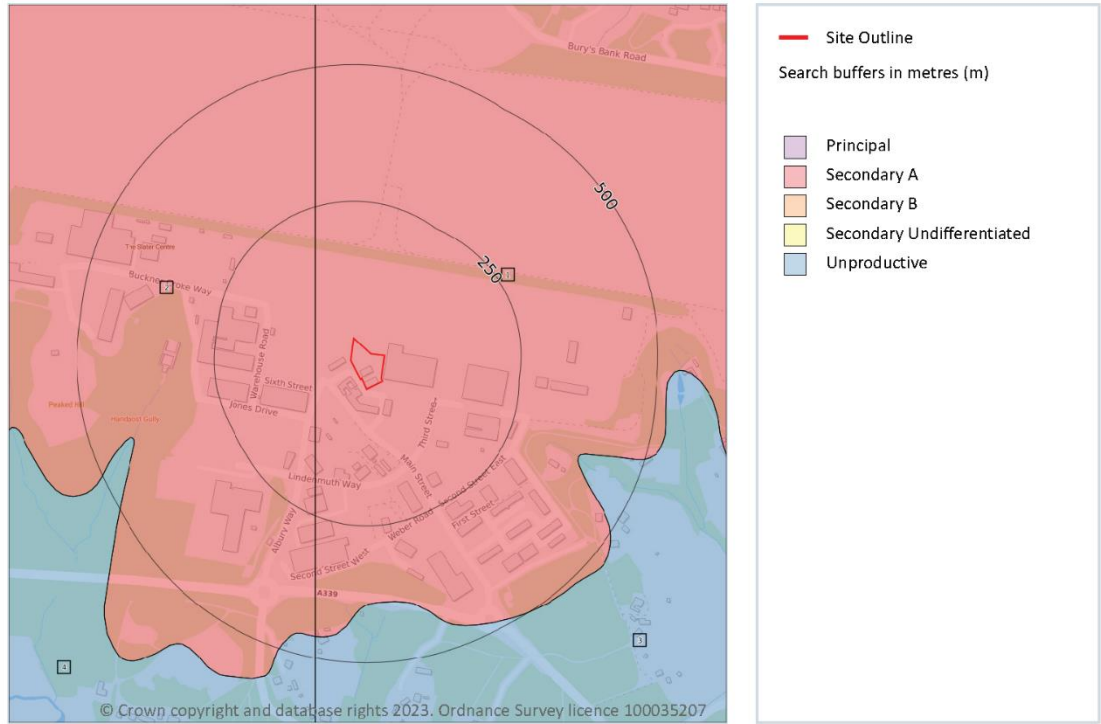
Date: 11 January 2023





Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

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 41**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	65m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

ID	Location	Designation	Description
3	384m SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	421m W	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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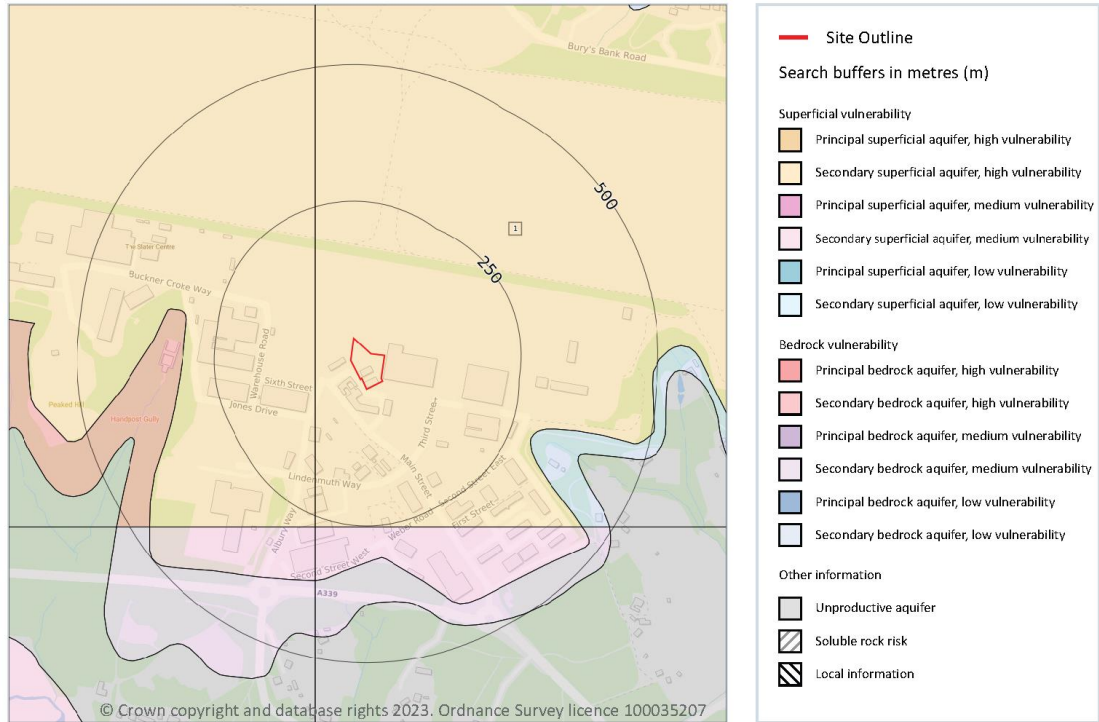
Date: 11 January 2023





Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m 1

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

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

Features are displayed on the Groundwater vulnerability map on **page 43**



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ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Mixed

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	0
------------------------	----------

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

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

5.5 Groundwater vulnerability- local information

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

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

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



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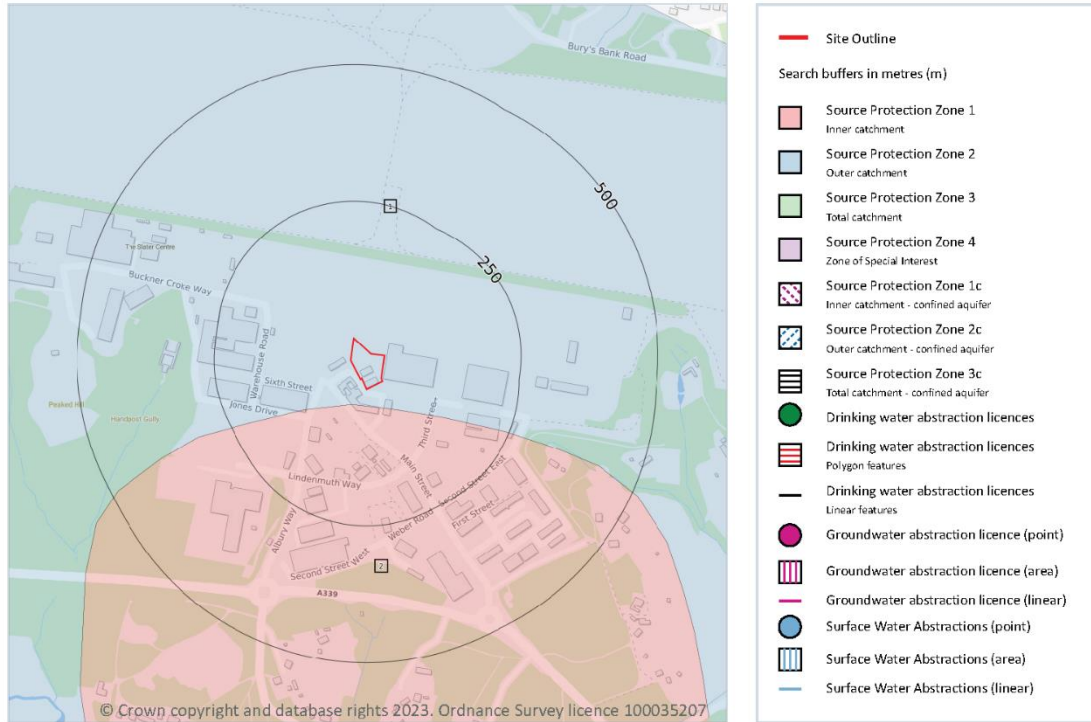
Date: 11 January 2023





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 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

24

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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Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

ID	Location	Details	
-	751m S	Status: Historical Licence No: 28/39/22/0033 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: BISHOPS GREEN PUMPING STATION POINT A Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 450100 Northing: 163500	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/01/1966 Version End Date: -
-	751m S	Status: Active Licence No: 28/39/22/0033 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: BISHOPS GREEN PUMPING STATION - BOREHOLES Data Type: Point Name: Thames Water Utilities Ltd Easting: 450100 Northing: 163500	Annual Volume (m³): 4,380,000 Max Daily Volume (m³): 18,184 Original Application No: - Original Start Date: 10/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 04/05/2007 Version End Date: -
-	1368m NW	Status: Historical Licence No: 28/39/22/0568 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: NEWBURY & CROOKHAM GOLF CLUB Data Type: Point Name: NEWBURY & CROOKHAM GOLF CLUB Easting: 449200 Northing: 165400	Annual Volume (m³): 19200 Max Daily Volume (m³): 160 Original Application No: - Original Start Date: 14/03/1997 Expiry Date: 31/12/2006 Issue No: 100 Version Start Date: 14/03/1997 Version End Date: -
-	1368m NW	Status: Historical Licence No: 28/39/22/0633 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: NEWBURY & CROOKHAM GOLF CLUB Data Type: Point Name: NEWBURY & CROOKHAM GOLF CLUB Easting: 449200 Northing: 165400	Annual Volume (m³): 19200 Max Daily Volume (m³): 160 Original Application No: - Original Start Date: 01/01/2007 Expiry Date: 31/07/2008 Issue No: 101 Version Start Date: 01/01/2007 Version End Date: -
-	1368m NW	Status: Historical Licence No: 28/39/22/0633 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: NEWBURY & CROOKHAM GOLF CLUB Data Type: Point Name: NEWBURY & CROOKHAM GOLF CLUB Easting: 449200 Northing: 165400	Annual Volume (m³): 19200 Max Daily Volume (m³): 160 Original Application No: - Original Start Date: 01/01/2007 Expiry Date: 31/07/2008 Issue No: 101 Version Start Date: 01/01/2007 Version End Date: -



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Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

ID	Location	Details	
-	1368m NW	Status: Historical Licence No: 28/39/22/0633 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: NEWBURY & CROOKHAM GOLF CLUB - BOREHOLE Data Type: Point Name: NEWBURY & CROOKHAM GOLF CLUB Easting: 449200 Northing: 165400	Annual Volume (m ³): 19200 Max Daily Volume (m ³): 160 Original Application No: - Original Start Date: 01/01/2007 Expiry Date: 31/07/2008 Issue No: 101 Version Start Date: 01/01/2007 Version End Date: -
-	1368m NW	Status: Historical Licence No: 28/39/22/0633 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: NEWBURY & CROOKHAM GOLF CLUB - BOREHOLE Data Type: Point Name: NEWBURY & CROOKHAM GOLF CLUB Easting: 449200 Northing: 165400	Annual Volume (m ³): 19200 Max Daily Volume (m ³): 160 Original Application No: - Original Start Date: 01/01/2007 Expiry Date: 31/07/2008 Issue No: 101 Version Start Date: 01/01/2007 Version End Date: -
-	1368m NW	Status: Active Licence No: 28/39/22/0641 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: NEWBURY & CROOKHAM GOLF CLUB - BOREHOLE Data Type: Point Name: NEWBURY & CROOKHAM GOLF CLUB Easting: 449200 Northing: 165400	Annual Volume (m ³): 19,200 Max Daily Volume (m ³): 160 Original Application No: - Original Start Date: 01/07/2008 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 01/08/2008 Version End Date: -
-	1368m NW	Status: Active Licence No: 28/39/22/0641 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: NEWBURY & CROOKHAM GOLF CLUB - BOREHOLE Data Type: Point Name: NEWBURY & CROOKHAM GOLF CLUB Easting: 449200 Northing: 165400	Annual Volume (m ³): 19,200 Max Daily Volume (m ³): 160 Original Application No: - Original Start Date: 01/07/2008 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 01/08/2008 Version End Date: -



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Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

ID	Location	Details	
-	1660m N	Status: Historical Licence No: 28/39/22/0496 Details: Dust suppression Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'A' Data Type: Point Name: TARMAC LIMITED Easting: 450200 Northing: 166000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/03/1989 Expiry Date: 31/12/2005 Issue No: 103 Version Start Date: 20/11/2000 Version End Date: -
-	1660m N	Status: Historical Licence No: 28/39/22/0496 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'A' Data Type: Point Name: TARMAC LIMITED Easting: 450200 Northing: 166000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/03/1989 Expiry Date: 31/12/2005 Issue No: 103 Version Start Date: 20/11/2000 Version End Date: -
-	1660m N	Status: Historical Licence No: 28/39/22/0627 Details: Dust suppression Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'A' Data Type: Point Name: TARMAC LIMITED Easting: 450200 Northing: 166000	Annual Volume (m ³): 1123113 Max Daily Volume (m ³): 6751 Original Application No: - Original Start Date: 01/01/2005 Expiry Date: 31/12/2006 Issue No: 1 Version Start Date: 01/01/2005 Version End Date: -
-	1660m N	Status: Historical Licence No: 28/39/22/0627 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'A' Data Type: Point Name: TARMAC LIMITED Easting: 450200 Northing: 166000	Annual Volume (m ³): 1123113 Max Daily Volume (m ³): 6751 Original Application No: - Original Start Date: 01/01/2005 Expiry Date: 31/12/2006 Issue No: 1 Version Start Date: 01/01/2005 Version End Date: -
-	1759m N	Status: Historical Licence No: 28/39/22/0635 Details: Dust Suppression Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'A' Data Type: Point Name: TARMAC LIMITED Easting: 450190 Northing: 166100	Annual Volume (m ³): 1,101,420 Max Daily Volume (m ³): 6751 Original Application No: - Original Start Date: 01/01/2007 Expiry Date: 31/07/2008 Issue No: 3 Version Start Date: 23/01/2007 Version End Date: -



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Date: 11 January 2023





Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

ID	Location	Details	
-	1759m N	Status: Historical Licence No: 28/39/22/0635 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'A' Data Type: Point Name: TARMAC LIMITED Easting: 450190 Northing: 166100	Annual Volume (m ³): 1,101,420 Max Daily Volume (m ³): 6751 Original Application No: - Original Start Date: 01/01/2007 Expiry Date: 31/07/2008 Issue No: 3 Version Start Date: 23/01/2007 Version End Date: -
-	1759m N	Status: Historical Licence No: 28/39/22/0642 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'A' Data Type: Point Name: Tarmac Trading Limited Easting: 450190 Northing: 166100	Annual Volume (m ³): 1,101,420 Max Daily Volume (m ³): 6751 Original Application No: - Original Start Date: 01/08/2008 Expiry Date: 31/12/2016 Issue No: 3 Version Start Date: 26/10/2015 Version End Date: -
-	1772m N	Status: Historical Licence No: 28/39/22/0642 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'B' Data Type: Point Name: Tarmac Trading Limited Easting: 450320 Northing: 166100	Annual Volume (m ³): 1,101,420 Max Daily Volume (m ³): 6751 Original Application No: - Original Start Date: 01/08/2008 Expiry Date: 31/12/2016 Issue No: 3 Version Start Date: 26/10/2015 Version End Date: -
-	1772m N	Status: Historical Licence No: 28/39/22/0642 Details: Dust Suppression Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'B' Data Type: Point Name: Tarmac Trading Limited Easting: 450320 Northing: 166100	Annual Volume (m ³): 1,101,420 Max Daily Volume (m ³): 6751 Original Application No: - Original Start Date: 01/08/2008 Expiry Date: 31/12/2016 Issue No: 3 Version Start Date: 26/10/2015 Version End Date: -
-	1817m N	Status: Historical Licence No: 28/39/22/0635 Details: Dust Suppression Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'B' Data Type: Point Name: TARMAC LIMITED Easting: 450280 Northing: 166150	Annual Volume (m ³): 1,101,420 Max Daily Volume (m ³): 6751 Original Application No: - Original Start Date: 01/01/2007 Expiry Date: 31/07/2008 Issue No: 3 Version Start Date: 23/01/2007 Version End Date: -



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Date: 11 January 2023





Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

ID	Location	Details	
-	1817m N	Status: Historical Licence No: 28/39/22/0635 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'B' Data Type: Point Name: TARMAC LIMITED Easting: 450280 Northing: 166150	Annual Volume (m ³): 1,101,420 Max Daily Volume (m ³): 6751 Original Application No: - Original Start Date: 01/01/2007 Expiry Date: 31/07/2008 Issue No: 3 Version Start Date: 23/01/2007 Version End Date: -
-	1859m N	Status: Historical Licence No: 28/39/22/0496 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'B' Data Type: Point Name: TARMAC LIMITED Easting: 450200 Northing: 166200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/03/1989 Expiry Date: 31/12/2005 Issue No: 103 Version Start Date: 20/11/2000 Version End Date: -
-	1859m N	Status: Historical Licence No: 28/39/22/0496 Details: Dust suppression Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'B' Data Type: Point Name: TARMAC LIMITED Easting: 450200 Northing: 166200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/03/1989 Expiry Date: 31/12/2005 Issue No: 103 Version Start Date: 20/11/2000 Version End Date: -
-	1859m N	Status: Historical Licence No: 28/39/22/0627 Details: Dust suppression Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'B' Data Type: Point Name: TARMAC LIMITED Easting: 450200 Northing: 166200	Annual Volume (m ³): 1123113 Max Daily Volume (m ³): 6751 Original Application No: - Original Start Date: 01/01/2005 Expiry Date: 31/12/2006 Issue No: 1 Version Start Date: 01/01/2005 Version End Date: -
-	1859m N	Status: Historical Licence No: 28/39/22/0627 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: LOWER FARM PIT, GREENHAM 'B' Data Type: Point Name: TARMAC LIMITED Easting: 450200 Northing: 166200	Annual Volume (m ³): 1123113 Max Daily Volume (m ³): 6751 Original Application No: - Original Start Date: 01/01/2005 Expiry Date: 31/12/2006 Issue No: 1 Version Start Date: 01/01/2005 Version End Date: -

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



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Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

5.7 Surface water abstractions

Records within 2000m	5
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Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on page 45

ID	Location	Details	
-	1597m E	Status: Historical Licence No: TH/039/022/02 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: FOLLY FARMHOUSE A Data Type: Point Name: FARM PARTNERSHIP Easting: 451661 Northing: 163837	Annual Volume (m ³): 4800 Max Daily Volume (m ³): 315 Original Application No: - Original Start Date: 30/11/2009 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 30/11/2009 Version End Date: -
-	1597m E	Status: Active Licence No: TH/039/0022/002 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: FOLLY FARMHOUSE A Data Type: Point Name: FARM PARTNERSHIP Easting: 451661 Northing: 163837	Annual Volume (m ³): 4,800 Max Daily Volume (m ³): 315 Original Application No: NPSWR0001721 Original Start Date: 30/11/2009 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 30/11/2009 Version End Date: -
-	1675m E	Status: Historical Licence No: 28/39/22/0330 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: LITTLE PARK ESTATE, CROOKHAM COMMON Data Type: Line Name: LITTLE PARK ESTATE Easting: 451700 Northing: 163700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/04/1967 Expiry Date: - Issue No: 100 Version Start Date: 08/04/1992 Version End Date: -
-	1675m E	Status: Historical Licence No: 28/39/22/0330 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: RIVER ENBOURNE AT LITTLE PARK ESTATE, CROOKHAM COMMON Data Type: Line Name: LITTLE PARK ESTATE Easting: 451700 Northing: 163700	Annual Volume (m ³): 9547 Max Daily Volume (m ³): 318.23 Original Application No: - Original Start Date: 10/04/1967 Expiry Date: - Issue No: 100 Version Start Date: 08/04/1992 Version End Date: -



Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

ID	Location	Details	
-	1983m N	Status: Active Licence No: TH/039/0022/029 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: THAMES SURFACE WATER - NON TIDAL Point: RIVER KENNET AT DOGSHEAD STAKES WEIR Data Type: Point Name: Canal and River Trust Easting: 450531 Northing: 166274	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/WR/015773 Original Start Date: 29/01/2015 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 29/01/2015 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	2
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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	
-	751m S	Status: Historical Licence No: 28/39/22/0033 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: BISHOPS GREEN PUMPING STATION POINT A Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 450100 Northing: 163500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/01/1966 Version End Date: -
-	751m S	Status: Active Licence No: 28/39/22/0033 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: BISHOPS GREEN PUMPING STATION - BOREHOLES Data Type: Point Name: Thames Water Utilities Ltd Easting: 450100 Northing: 163500	Annual Volume (m ³): 4,380,000 Max Daily Volume (m ³): 18,184 Original Application No: - Original Start Date: 10/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 04/05/2007 Version End Date: -

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



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Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

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	31m S	1	Inner catchment

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

5.10 Source Protection Zones (confined aquifer)

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

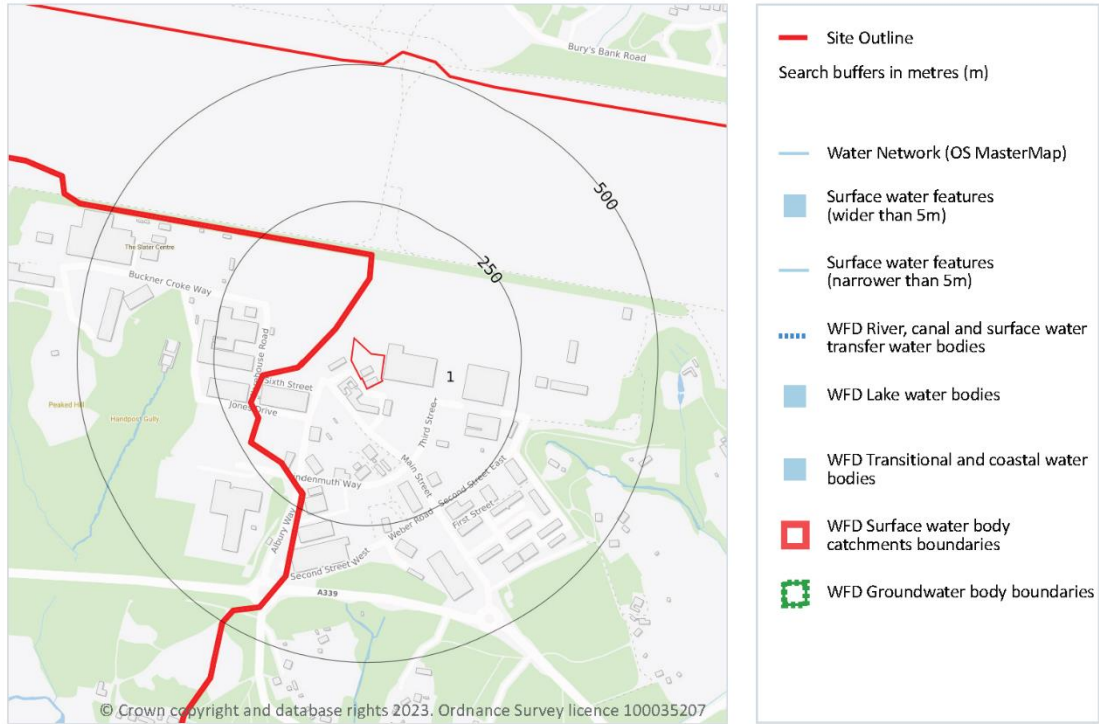
Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

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



Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

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.



Ref: EMS-836523_1074377
 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

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 54**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Enborne (Burghclere Brook to Kingsclere Brook)	GB106039017261	Kennet	Kennet and Trib

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 54**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	744m S	River	Enborne (Burghclere Brook to Kingsclere Brook)	GB106039017261	Moderate	Fail	Moderate	2019

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



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6.5 WFD Groundwater bodies

Records on site	0
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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.

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
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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.



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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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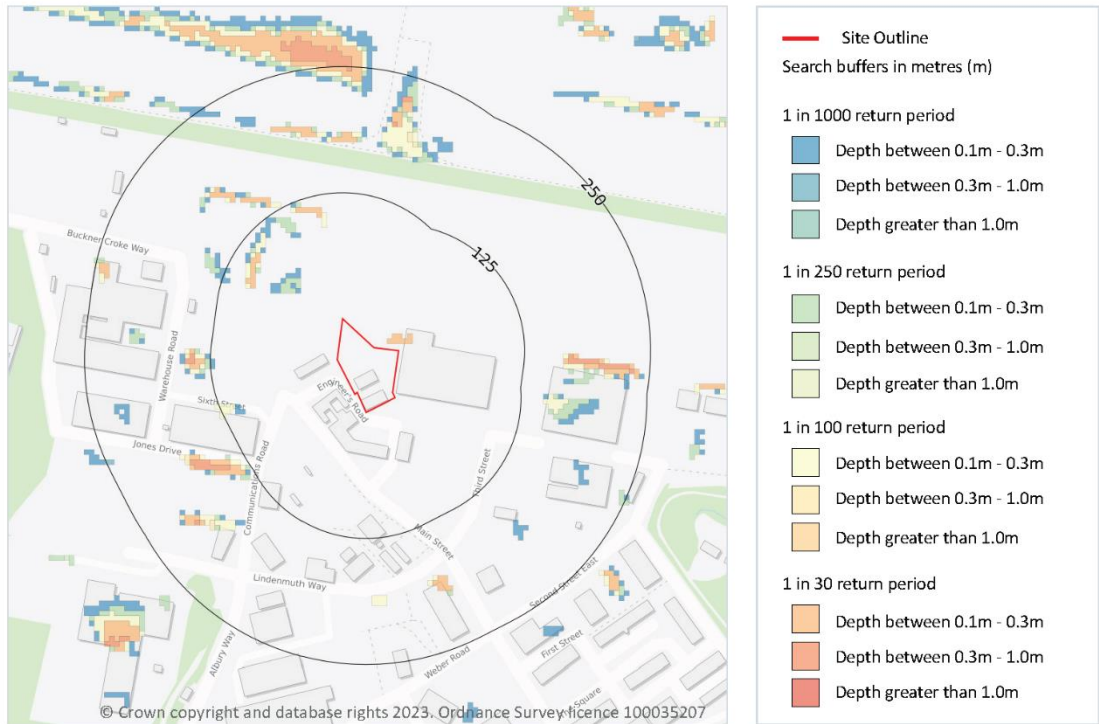
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8 Surface water flooding





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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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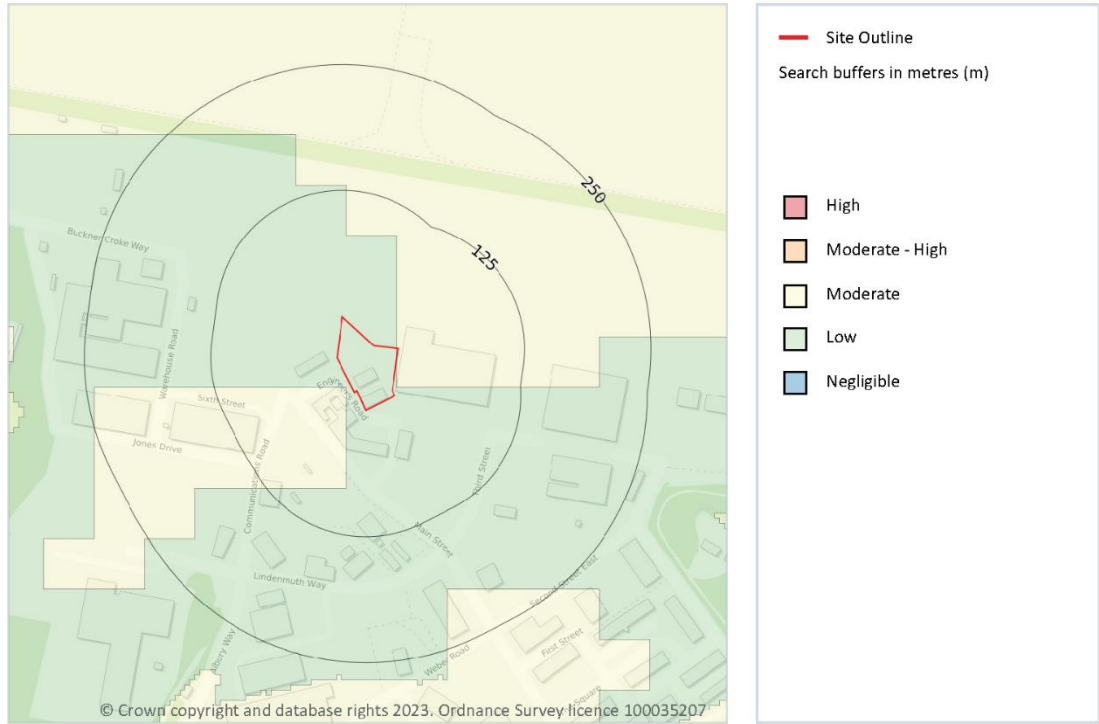
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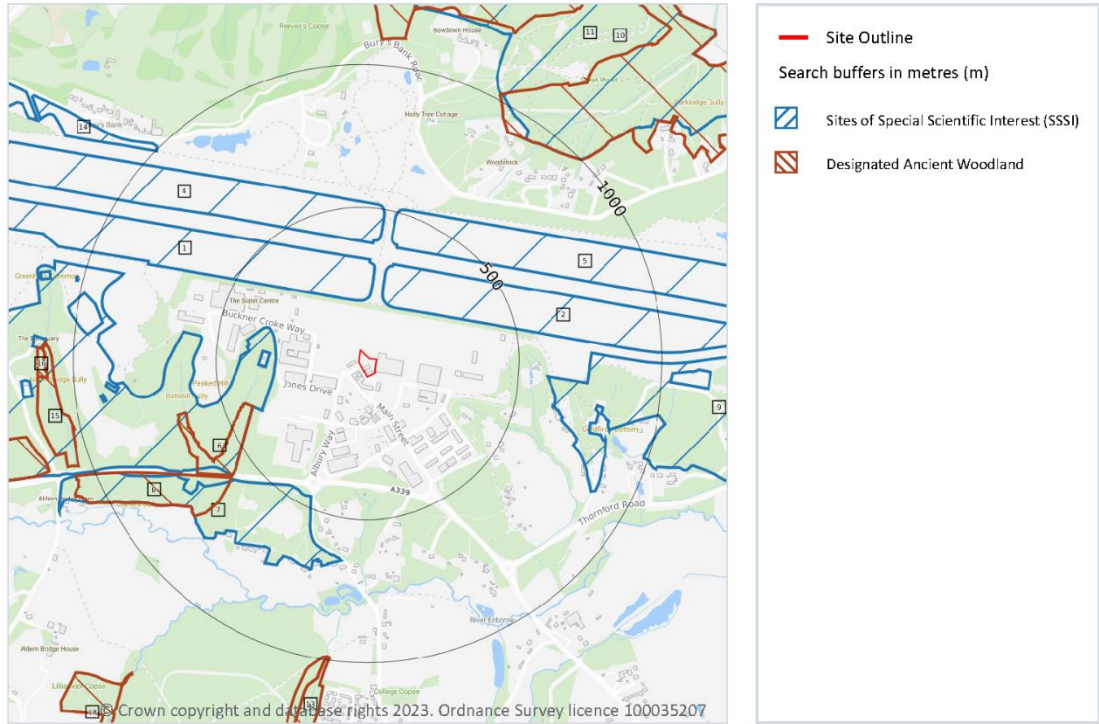
9 Groundwater flooding





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10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m **24**

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

Features are displayed on the Environmental designations map on **page 63**

ID	Location	Name	Data source
1	175m N	Greenham and Crookham Commons	Natural England



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ID	Location	Name	Data source
2	184m N	Greenham and Crookham Commons	Natural England
3	291m W	Greenham and Crookham Commons	Natural England
4	378m N	Greenham and Crookham Commons	Natural England
5	382m N	Greenham and Crookham Commons	Natural England
7	461m SW	Greenham and Crookham Commons	Natural England
9	601m E	Greenham and Crookham Commons	Natural England
11	930m NE	Bowdown and Chamberhouse Woods	Natural England
14	997m NW	Greenham and Crookham Commons	Natural England
-	1363m W	Greenham and Crookham Commons	Natural England
19	1385m NW	Greenham and Crookham Commons	Natural England
-	1480m E	Greenham and Crookham Commons	Natural England
-	1507m E	Greenham and Crookham Commons	Natural England
-	1524m W	Greenham and Crookham Commons	Natural England
-	1530m NW	Greenham and Crookham Commons	Natural England
-	1565m NW	Greenham and Crookham Commons	Natural England
-	1615m NW	Greenham and Crookham Commons	Natural England
-	1667m NW	Greenham and Crookham Commons	Natural England
-	1689m E	Greenham and Crookham Commons	Natural England
-	1708m NE	River Kennet	Natural England
-	1750m W	Greenham and Crookham Commons	Natural England
-	1788m E	Greenham and Crookham Commons	Natural England
-	1838m E	Greenham and Crookham Commons	Natural England
-	1924m N	Thatcham Reed Beds	Natural England

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

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
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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	19
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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 63**

ID	Location	Name	Woodland Type
6	402m W	Unknown	Ancient & Semi-Natural Woodland
8	592m SW	Unknown	Ancient & Semi-Natural Woodland
10	918m NE	Great Wood/cakeball Copse	Ancient & Semi-Natural Woodland
12	987m S	Gold Copse	Ancient Replanted Woodland
13	988m S	Gold Copse	Ancient & Semi-Natural Woodland
15	1023m W	Unknown	Ancient & Semi-Natural Woodland
16	1089m W	Unknown	Ancient Replanted Woodland
17	1148m W	Peckmoor Copse	Ancient & Semi-Natural Woodland
18	1323m SW	Lillismoor Copse	Ancient & Semi-Natural Woodland
-	1580m W	Peckmoor Copse	Ancient & Semi-Natural Woodland
-	1607m SE	Westlands Copse	Ancient Replanted Woodland
-	1730m SW	Lillismoor Copse	Ancient & Semi-Natural Woodland
-	1756m SW	Crambow Gully	Ancient & Semi-Natural Woodland
-	1764m SW	Lillismoor Copse	Ancient Replanted Woodland
-	1845m SW	Crambow Gully	Ancient & Semi-Natural Woodland
-	1849m SW	Lillismoor Copse	Ancient & Semi-Natural Woodland



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ID	Location	Name	Woodland Type
-	1920m S	Short Bushes Copse	Ancient Replanted Woodland
-	1964m E	Compton Wood	Ancient & Semi-Natural Woodland
-	1990m SW	Short Bushes Copse	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m	0
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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
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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
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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.



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10.12 Proposed Ramsar sites

Records within 2000m	0
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Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0
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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
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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
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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.



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10.16 Nitrate Vulnerable Zones

Records within 2000m 3

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

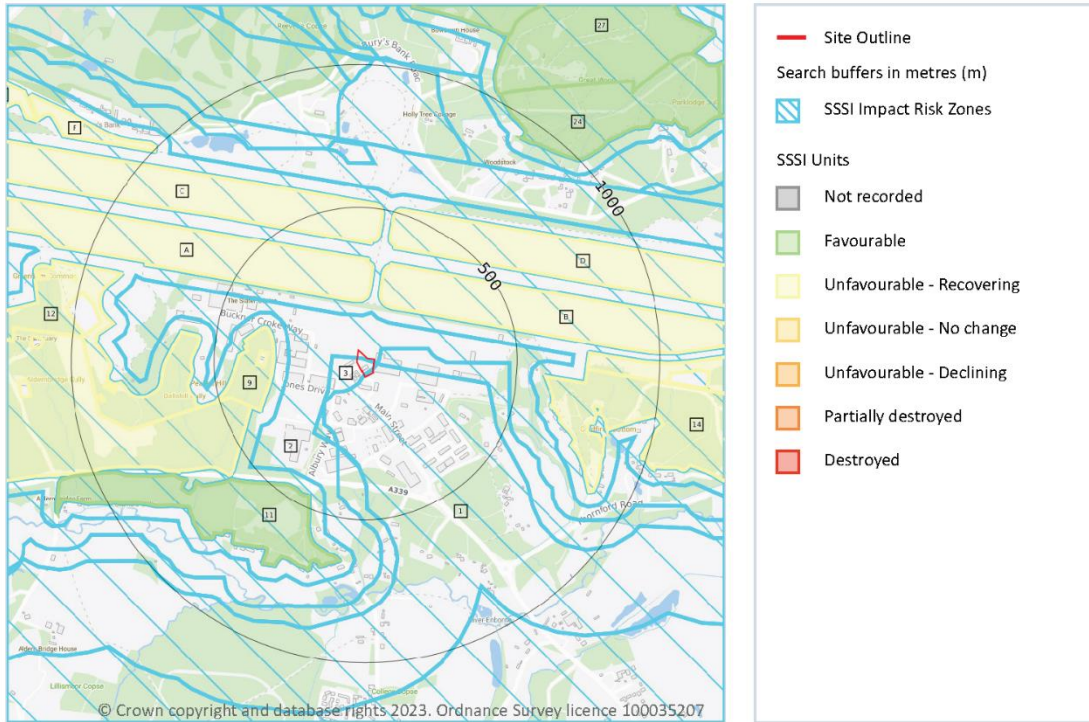
Location	Name	Type	NVZ ID	Status
1553m N	Berkshire Downs	Groundwater	87	Existing
1637m N	Berkshire Downs	Groundwater	87	Existing
1909m NE	Berkshire Downs	Groundwater	87	Existing

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



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SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

3

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 70**



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ID	Location	Type of developments requiring consultation
1	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</p> <p>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any development that could cause air pollution (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .</p>



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



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ID	Location	Type of developments requiring consultation
3	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</p> <p>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any development that could cause air pollution (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .</p>

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	32
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Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 70**

ID: A
 Location: 175m N
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:



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Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: B
 Location: 184m N
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: 9
 Location: 291m W
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012



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ID: C
 Location: 378m N
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: D
 Location: 382m N
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: 10
 Location: 402m W
 SSSI name: Greenham and Crookham Commons
 Unit name: Newbury Dc
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry heath	Unfavourable - Recovering	18/06/2012



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Feature name	Feature condition	Date of assessment
Lowland mixed deciduous woodland	Favourable	18/06/2012

ID: 11
 Location: 461m SW
 SSSI name: Greenham and Crookham Commons
 Unit name: Clarkes Gully
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mixed deciduous woodland	Favourable	29/06/2012

ID: 12
 Location: 555m W
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: 14
 Location: 601m E
 SSSI name: Greenham and Crookham Commons
 Unit name: Foxhold
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry heath	Unfavourable - Recovering	18/06/2012



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Feature name	Feature condition	Date of assessment
Lowland mixed deciduous woodland	Favourable	18/06/2012

ID: 19
 Location: 746m E
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: 24
 Location: 930m NE
 SSSI name: Bowdown and Chamberhouse Woods
 Unit name: Baynes
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mixed deciduous woodland	Favourable	16/05/2014
Wet woodland	Favourable	16/05/2014

ID: F
 Location: 997m NW
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:



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Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: 27
 Location: 1023m NE
 SSSI name: Bowdown and Chamberhouse Woods
 Unit name: Chamberhouse
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mixed deciduous woodland	Favourable	02/05/2014

ID: 32
 Location: 1214m N
 SSSI name: Bowdown and Chamberhouse Woods
 Unit name: Bowdown
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mixed deciduous woodland	Favourable	02/05/2014
Wet woodland	Favourable	02/05/2014

ID: -
 Location: 1363m W
 SSSI name: Greenham and Crookham Commons
 Unit name: Clarks Gully
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Favourable
 Reportable features:



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 Your ref: EMS_836523_1033871
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Feature name	Feature condition	Date of assessment
Lowland mixed deciduous woodland	Favourable	29/06/2012

ID: 37
 Location: 1385m NW
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: 38
 Location: 1477m NE
 SSSI name: Bowdown and Chamberhouse Woods
 Unit name: Barr
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mixed deciduous woodland	Favourable	16/05/2014

ID: -
 Location: 1480m E
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012



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 Grid ref: 450095 164295

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: -
 Location: 1507m E
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: -
 Location: 1524m W
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012



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 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

ID: -
 Location: 1530m NW
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: -
 Location: 1553m W
 SSSI name: Greenham and Crookham Commons
 Unit name: Clarkes Gully
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mixed deciduous woodland	Favourable	29/06/2012

ID: -
 Location: 1565m NW
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012



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ID: -
 Location: 1615m NW
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: -
 Location: 1667m NW
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: -
 Location: 1689m E
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012



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Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: -
 Location: 1694m E
 SSSI name: Greenham and Crookham Commons
 Unit name: Crookham Common
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry heath	Unfavourable - No change	18/06/2012
Lowland mixed deciduous woodland	Unfavourable - Recovering	18/06/2012
Wet woodland	Favourable	19/09/2012

ID: -
 Location: 1708m NE
 SSSI name: River Kennet
 Unit name: Dismantled Railway To Thatcham Bridge
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Rivers and Streams	Unfavourable - Recovering	21/12/2021

ID: -
 Location: 1750m W
 SSSI name: Greenham and Crookham Commons
 Unit name: Airbase
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:



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Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/06/2012
Lowland dry acid grassland (U4)	Unfavourable - Recovering	10/09/2012
Lowland dry heath	Unfavourable - Recovering	18/06/2012
Lowland neutral grassland (MG5)	Favourable	18/06/2012

ID: -
 Location: 1788m E
 SSSI name: Greenham and Crookham Commons
 Unit name: Crookham Common
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry heath	Unfavourable - No change	18/06/2012
Lowland mixed deciduous woodland	Unfavourable - Recovering	18/06/2012
Wet woodland	Favourable	19/09/2012

ID: -
 Location: 1838m E
 SSSI name: Greenham and Crookham Commons
 Unit name: Crookham Common
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry heath	Unfavourable - No change	18/06/2012
Lowland mixed deciduous woodland	Unfavourable - Recovering	18/06/2012
Wet woodland	Favourable	19/09/2012



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ID: -
Location: 1924m N
SSSI name: Thatcham Reed Beds
Unit name: South Of Canal
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Wet woodland	Favourable	01/10/2010

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



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11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m	0
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Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

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

11.2 Area of Outstanding Natural Beauty

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

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.



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

11.5 Conservation Areas

Records within 250m	0
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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
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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
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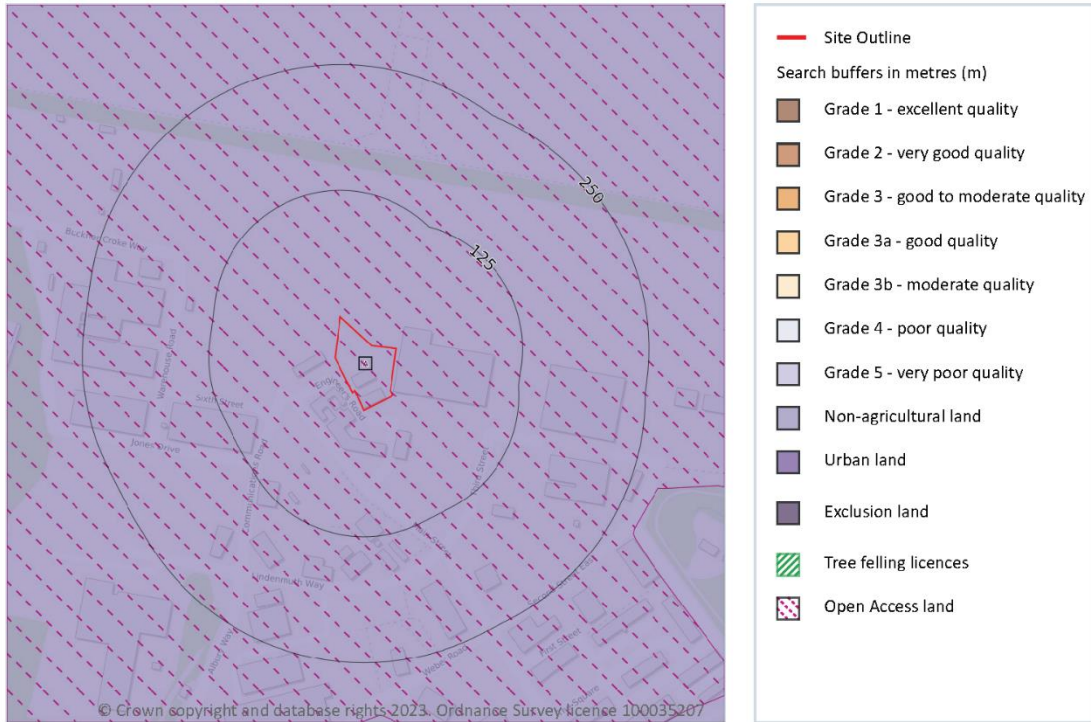
Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the 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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12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m	1
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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 88**

ID	Location	Classification	Description
A	On site	Non Agricultural	-

This data is sourced from Natural England.



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12.2 Open Access Land

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

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.

Features are displayed on the Agricultural designations map on **page 88**

ID	Location	Name	Classification	Other relevant legislation
A	On site	Greenham and Crookham Common	Section 15 Land	Greenham & Crookham Commons Act 2002

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

12.3 Tree Felling Licences

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

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

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

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
159m N	AG00570111	Higher Level Stewardship	01/08/2008	31/07/2018

This data is sourced from Natural England.



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12.5 Countryside Stewardship Schemes

Records within 250m	0
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Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.



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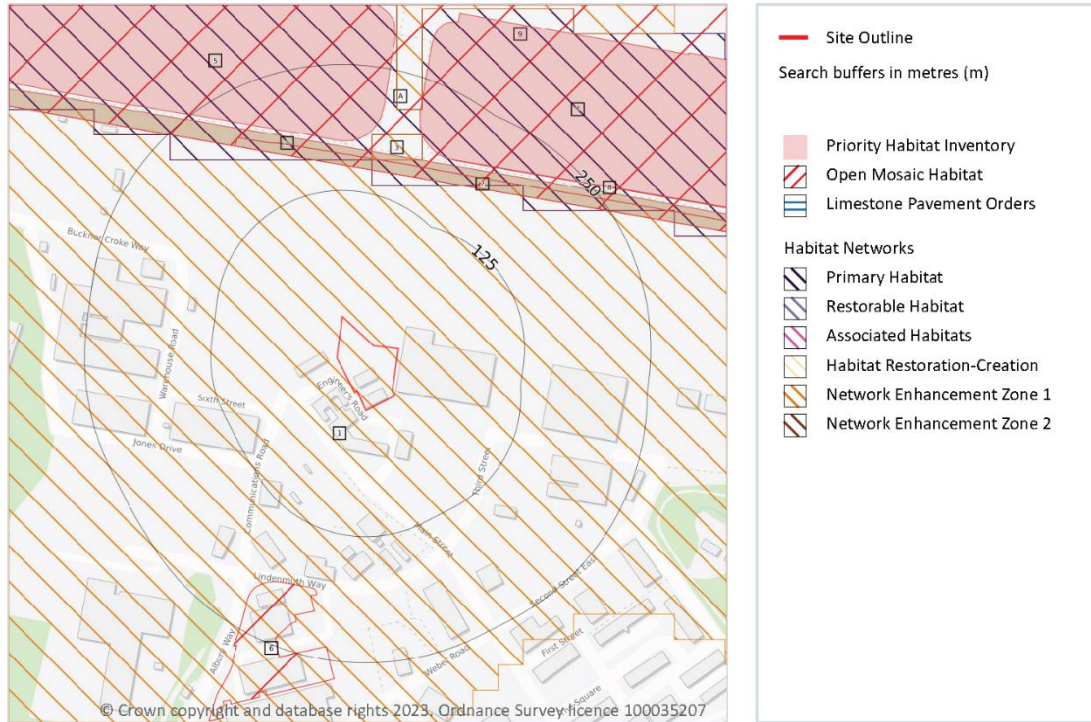
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13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m 5

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

Features are displayed on the Habitat designations map on **page 91**

ID	Location	Main Habitat	Other habitats
2	148m N	Lowland heathland	Main habitat: LHEAT (INV > 50%)
4	159m N	Lowland heathland	Main habitat: LHEAT (INV > 50%); Additional: LDAGR (FEP 50%)



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ID	Location	Main Habitat	Other habitats
5	174m N	Lowland heathland	Main habitat: LHEAT (INV > 50%, ENSIS L1, FEP + HLS); LDAGR (ENSIS L1); Additional: LMEAD (ENSIS L2); GQSIG (FEP 50%)
7	187m N	Lowland heathland	Main habitat: LHEAT (INV > 50%, ENSIS L1); LDAGR (ENSIS L1); GQSIG (FEP + HLS); Additional: LMEAD (ENSIS L2)
8	190m NE	Lowland heathland	Main habitat: LHEAT (INV > 50%, ENSIS L1); LDAGR (ENSIS L1); Additional: LMEAD (ENSIS L2)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	4
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Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on **page 91**

ID	Location	Type	Habitat
1	On site	Network Enhancement Zone 1	Not specified
A	134m N	Primary Habitat	Lowland heathland
3	158m N	Network Enhancement Zone 1	Not specified
9	212m N	Network Enhancement Zone 1	Not specified

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

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

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.

Features are displayed on the Habitat designations map on **page 91**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
A	148m N	BRITPITS ref: 6773	Low	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography	-



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ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
6	184m S	NLUD Ref: 34000158	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m	0
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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.



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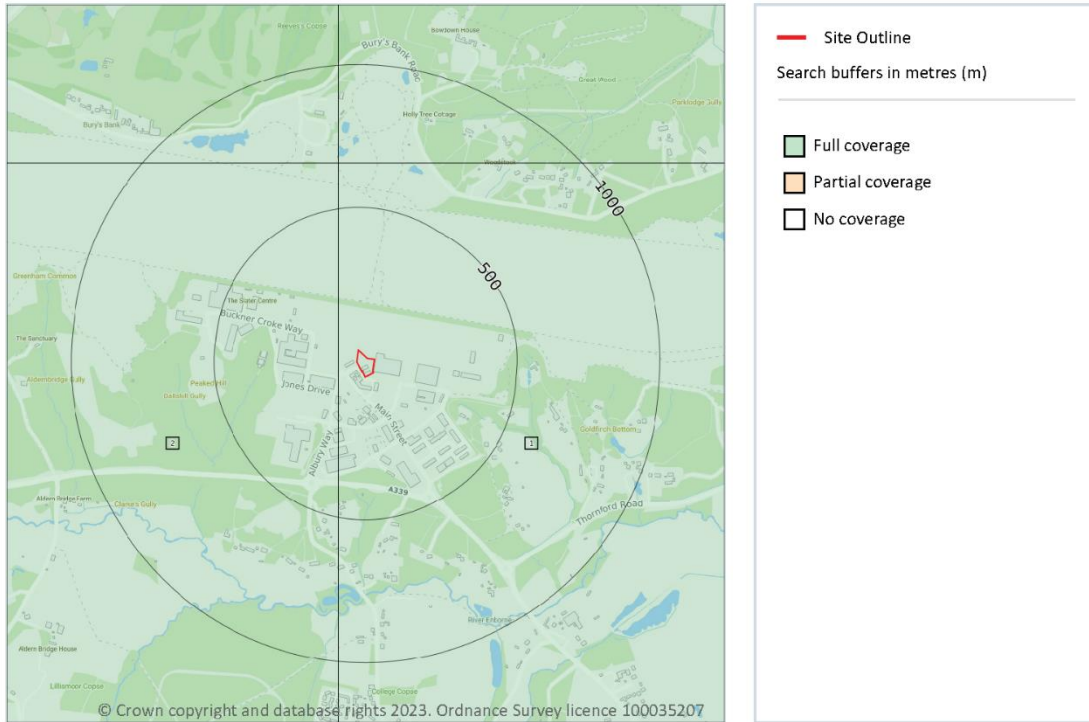
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14 Geology 1:10,000 scale - Availability



14.1 10k Availability

Records within 500m

2

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 94**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SU56SW
2	65m W	Full	Full	Full	No coverage	SU46SE

This data is sourced from the British Geological Survey.



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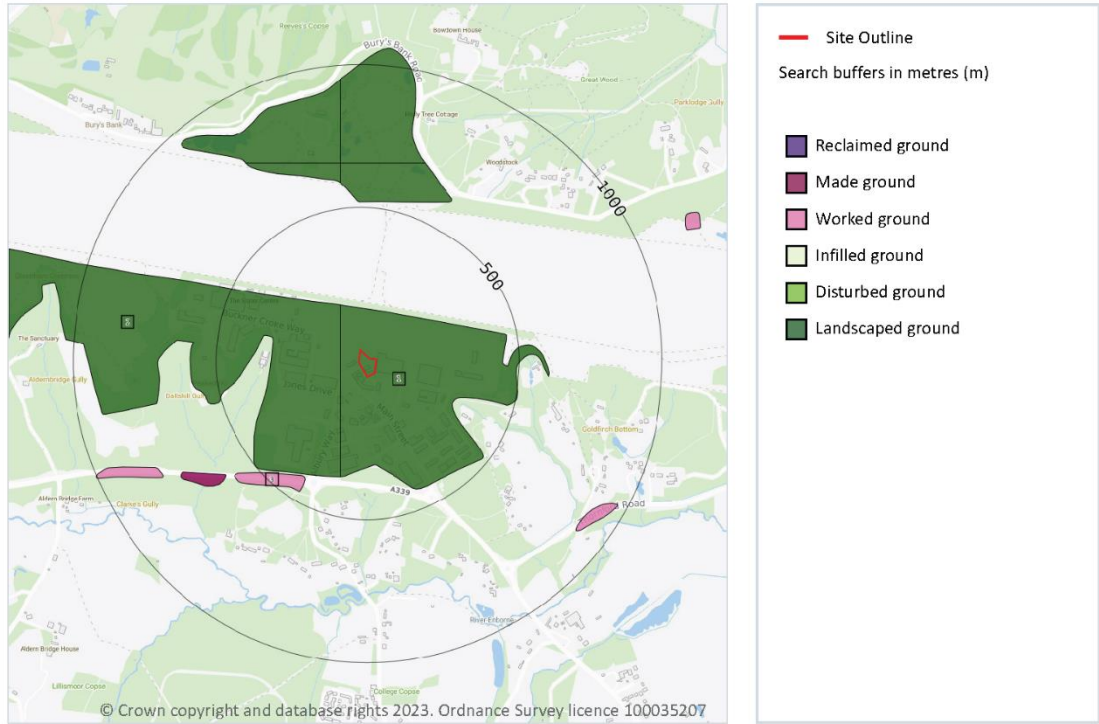
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Ref: EMS-836523_1074377
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Geology 1:10,000 scale - Artificial and made ground



14.2 Artificial and made ground (10k)

Records within 500m **3**

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.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 95](#)

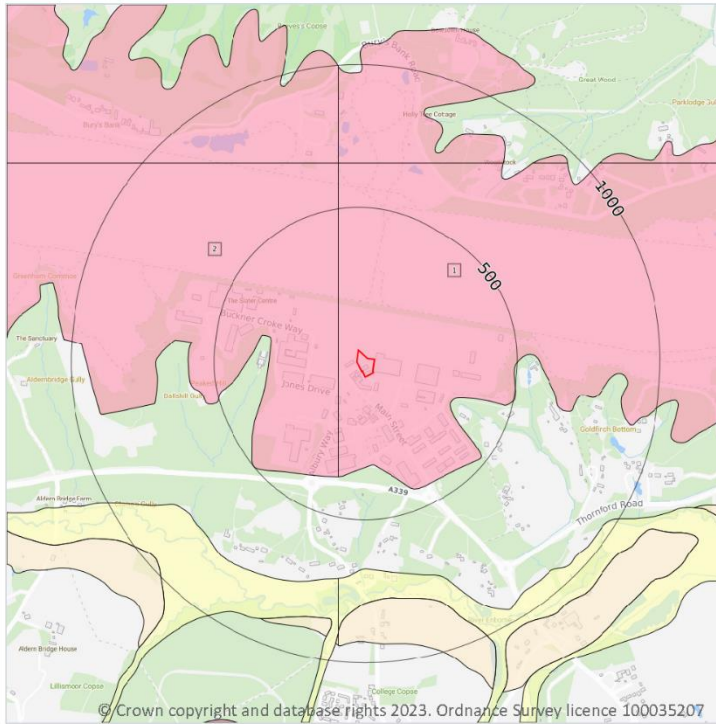
ID	Location	LEX Code	Description	Rock description
1	On site	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
2	65m W	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
3	412m SW	WGR-VOID	Worked Ground (Undivided)	Void

This data is sourced from the British Geological Survey.



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Geology 1:10,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

▨ Landslip (10k)

Superficial geology (10k)
 Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m 2

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.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 96](#)

ID	Location	LEX Code	Description	Rock description
1	On site	SIGR-XSV	Silchester Gravel Member - Sand And Gravel	Sand And Gravel
2	65m W	SIGR-XSV	Silchester Gravel Member - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.



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14.4 Landslip (10k)

Records within 500m	0
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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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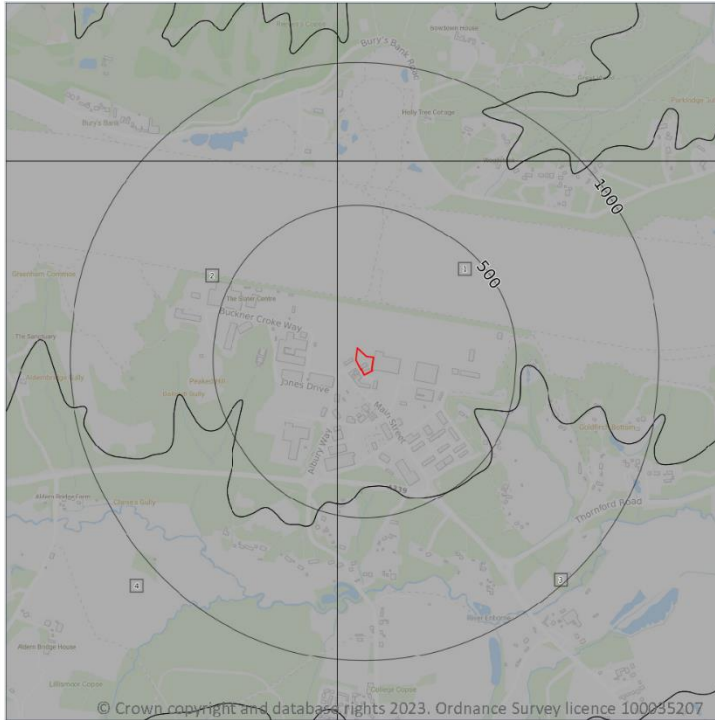
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Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (10k)
- Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m **4**

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.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 98](#)

ID	Location	LEX Code	Description	Rock age
1	On site	LC-SANDU	London Clay Formation - Sand	Eocene Epoch
2	65m W	LC-SANDU	London Clay Formation - Sand	Eocene Epoch
3	384m SE	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	Eocene Epoch
4	422m W	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	Eocene Epoch



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This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	0
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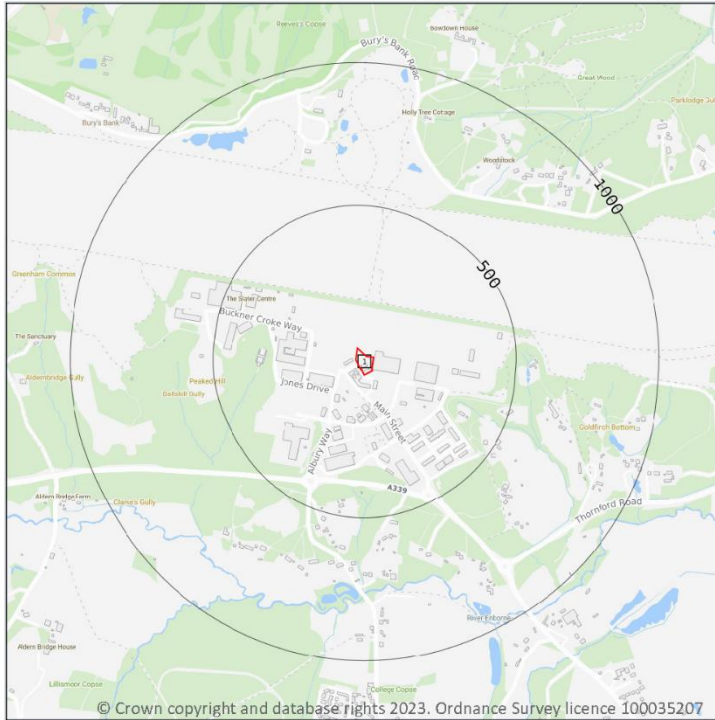
Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



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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 100**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW267_newbury_v4

This data is sourced from the British Geological Survey.



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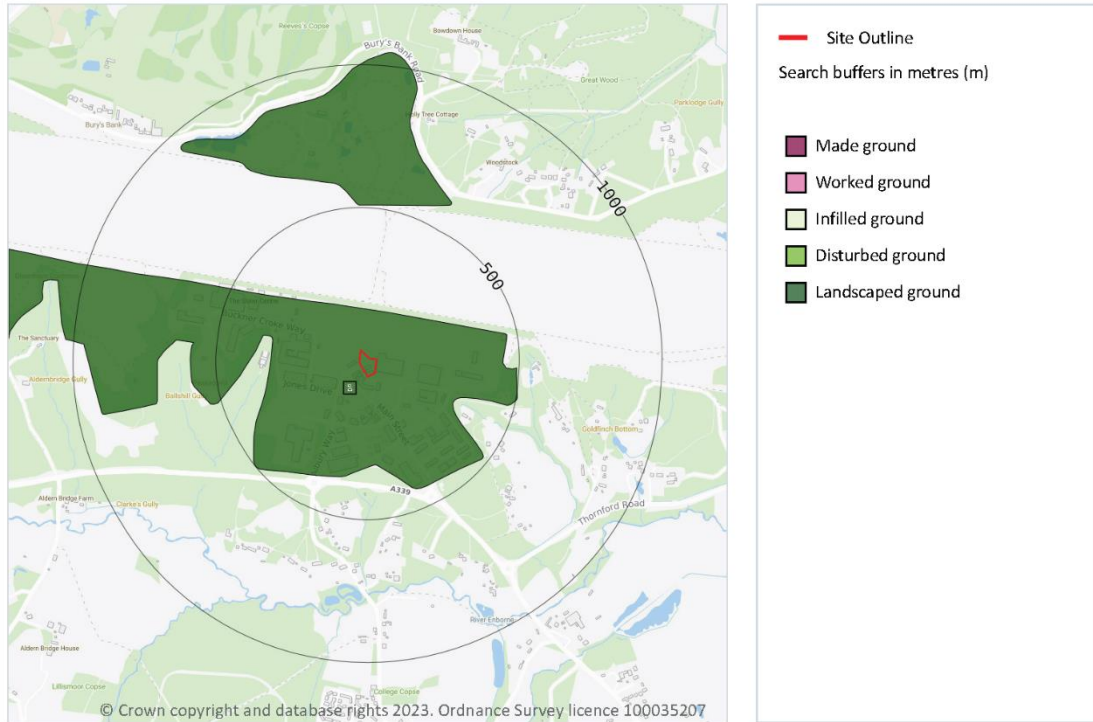
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Geology 1:50,000 scale - Artificial and made ground



15.2 Artificial and made ground (50k)

Records within 500m **1**

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.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 101**

ID	Location	LEX Code	Description	Rock description
1	On site	LSGR-ARTGR	LANDSCAPED GROUND (UNDIVIDED)	ARTIFICIALLY MODIFIED GROUND

This data is sourced from the British Geological Survey.



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15.3 Artificial ground permeability (50k)

Records within 50m	1
--------------------	---

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

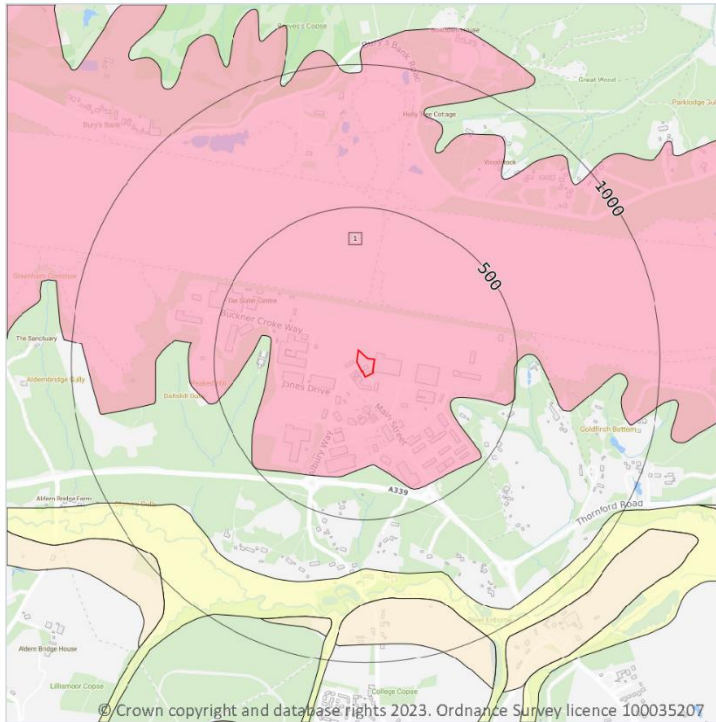
Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Very High	Low

This data is sourced from the British Geological Survey.



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 Your ref: EMS_836523_1033871
 Grid ref: 450095 164295

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 103**

ID	Location	LEX Code	Description	Rock description
1	On site	SIGR-XSV	SILCHESTER GRAVEL MEMBER	SAND AND GRAVEL

This data is sourced from the British Geological Survey.



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15.5 Superficial permeability (50k)

Records within 50m	1
--------------------	---

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

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

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
--------------------	---

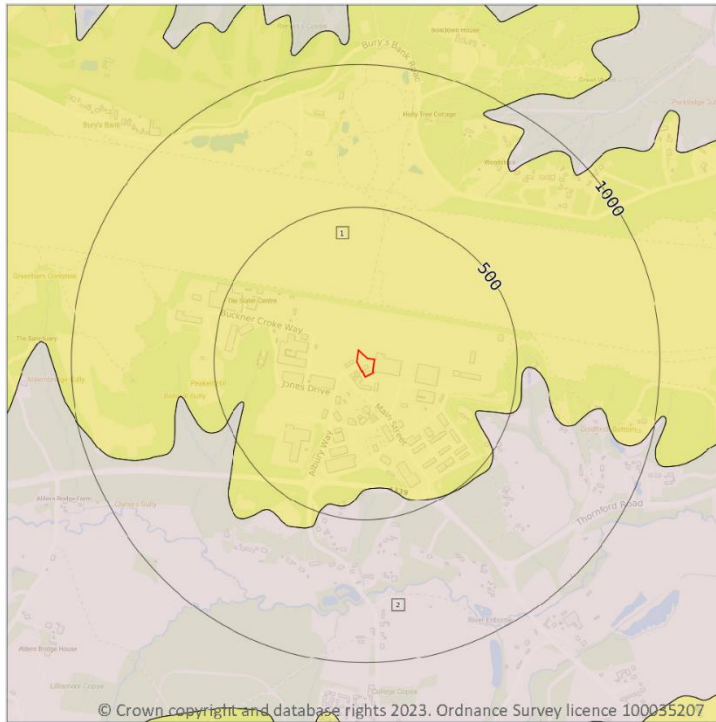
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Ref: EMS-836523_1074377
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Geology 1:50,000 scale - Bedrock



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

15.8 Bedrock geology (50k)

Records within 500m 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 105](#)

ID	Location	LEX Code	Description	Rock age
1	On site	LC-S	LONDON CLAY FORMATION - SAND	YPRESIAN
2	384m SE	LC-XCZS	LONDON CLAY FORMATION - CLAY, SILT AND SAND	YPRESIAN

This data is sourced from the British Geological Survey.



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15.9 Bedrock permeability (50k)

Records within 50m	1
--------------------	---

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

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

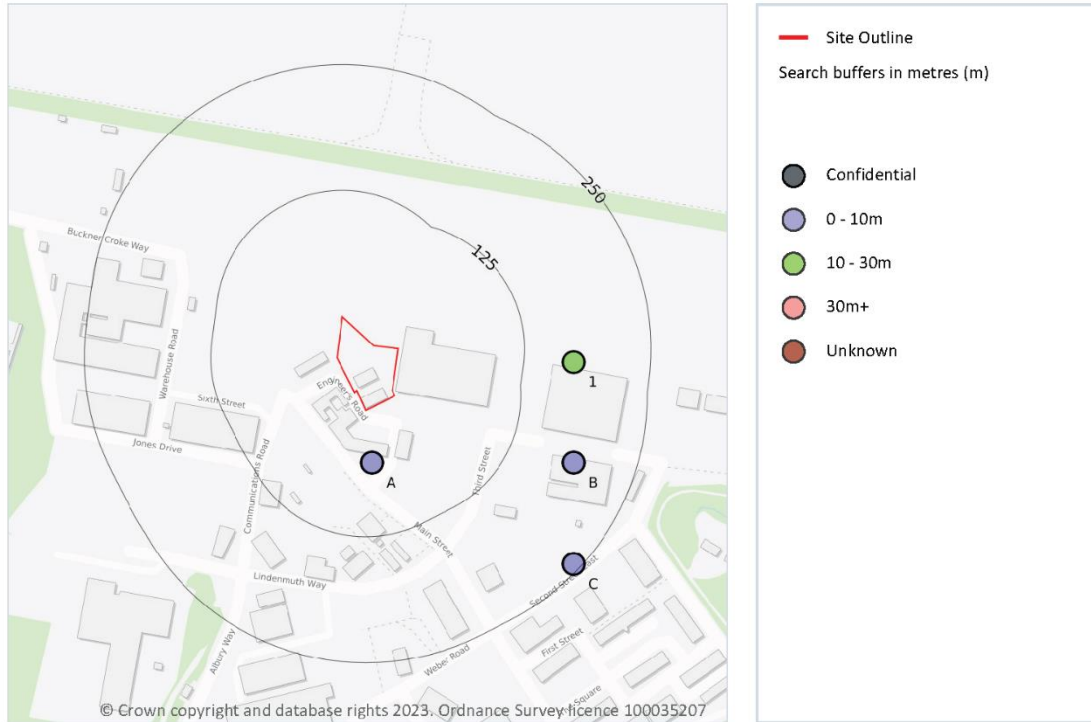
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



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16 Boreholes



16.1 BGS Boreholes

Records within 250m

7

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 107**

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	52m S	450100 164200	R.A.F.GREENHAM COMMON	5.1	N	418162
A	52m S	450100 164200	R.A.F.GREENHAM COMMON	2.0	N	418161
1	174m E	450300 164300	R.A.F.GREENHAM COMMON	14.0	N	418174



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ID	Location	Grid reference	Name	Length	Confidential	Web link
B	189m SE	450300 164200	R.A.F.GREENHAM COMMON	5.1	N	418156
B	189m SE	450300 164200	R.A.F.GREENHAM COMMON	4.0	N	418155
C	243m SE	450300 164100	R.A.F.GREENHAM COMMON	5.5	N	418150
C	243m SE	450300 164100	R.A.F.GREENHAM COMMON	3.0	N	418163

This data is sourced from the British Geological Survey.



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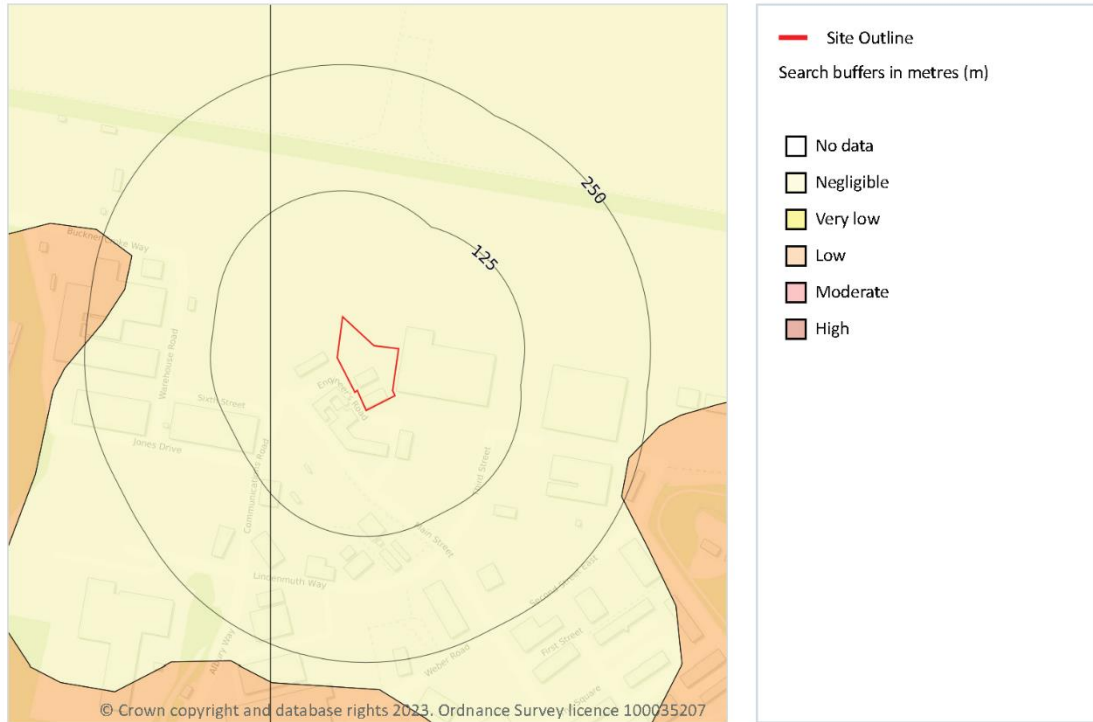
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17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 109**

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

This data is sourced from the British Geological Survey.



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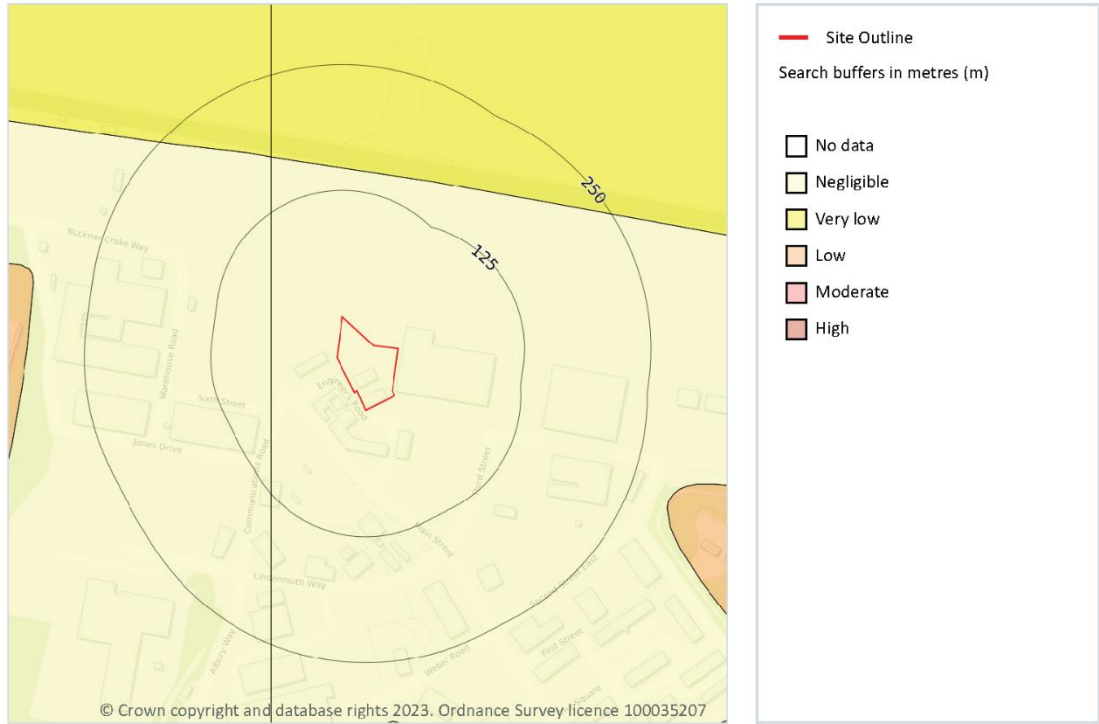
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Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m	1
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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 110**

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

This data is sourced from the British Geological Survey.



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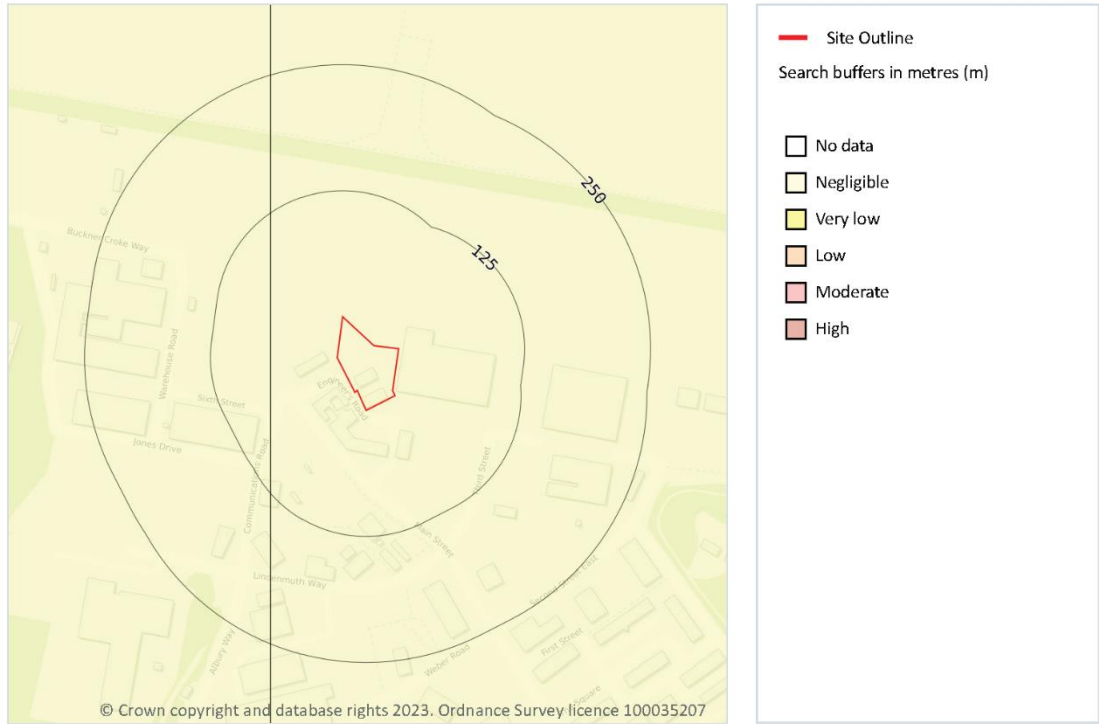
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Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m **1**

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

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 111**

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

This data is sourced from the British Geological Survey.



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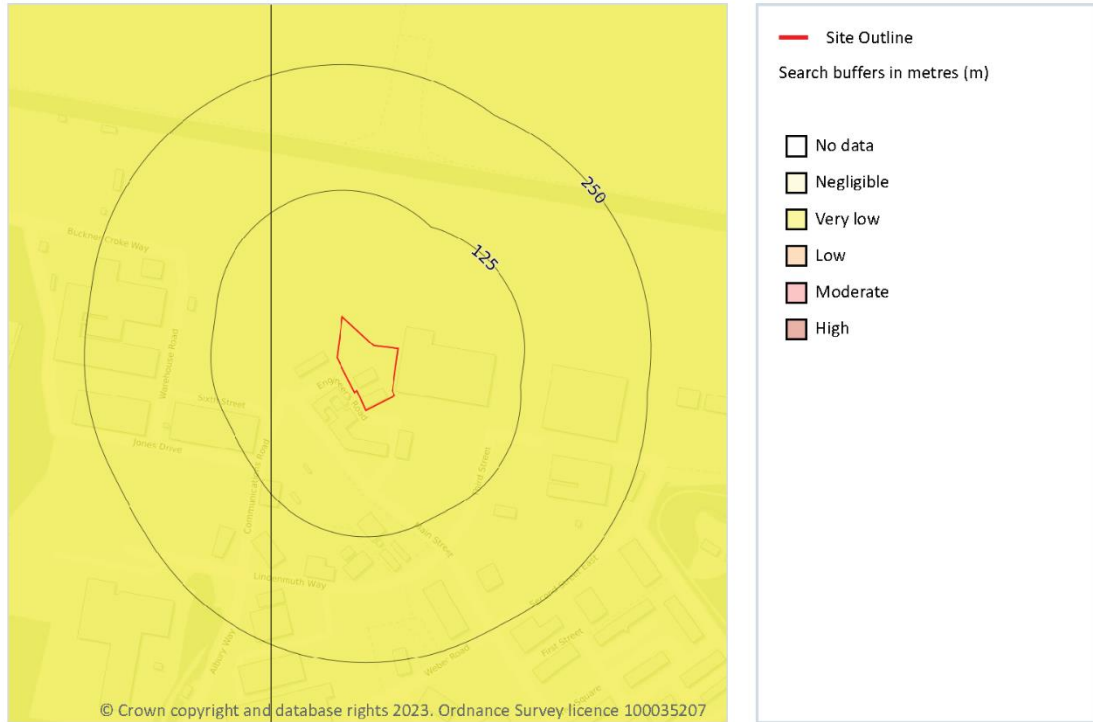
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Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m	1
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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 112](#)

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

This data is sourced from the British Geological Survey.



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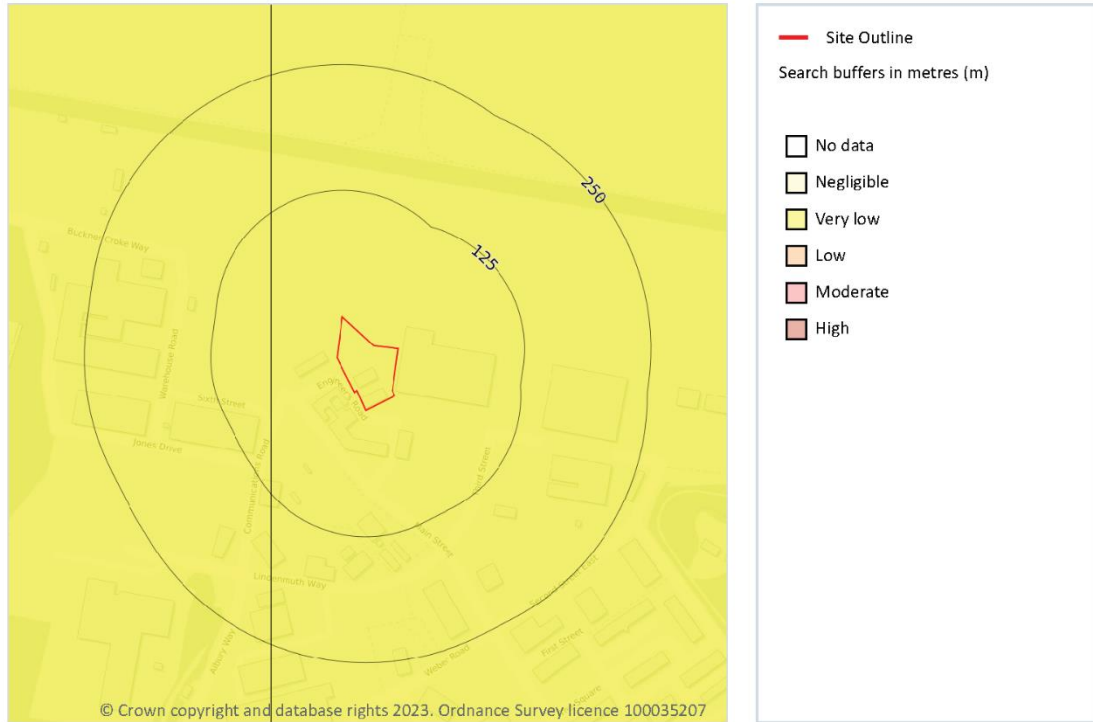
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Natural ground subsidence - Landslides



17.5 Landslides

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Landslides map on **page 113**

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely 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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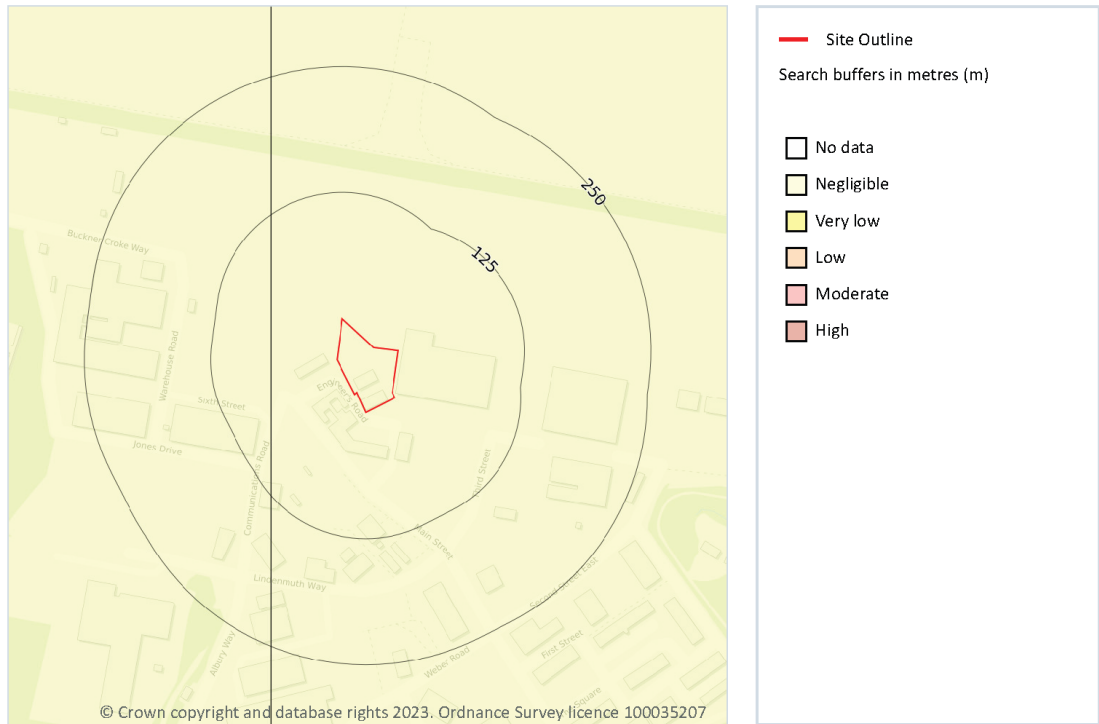
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Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m **1**

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 114**

Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



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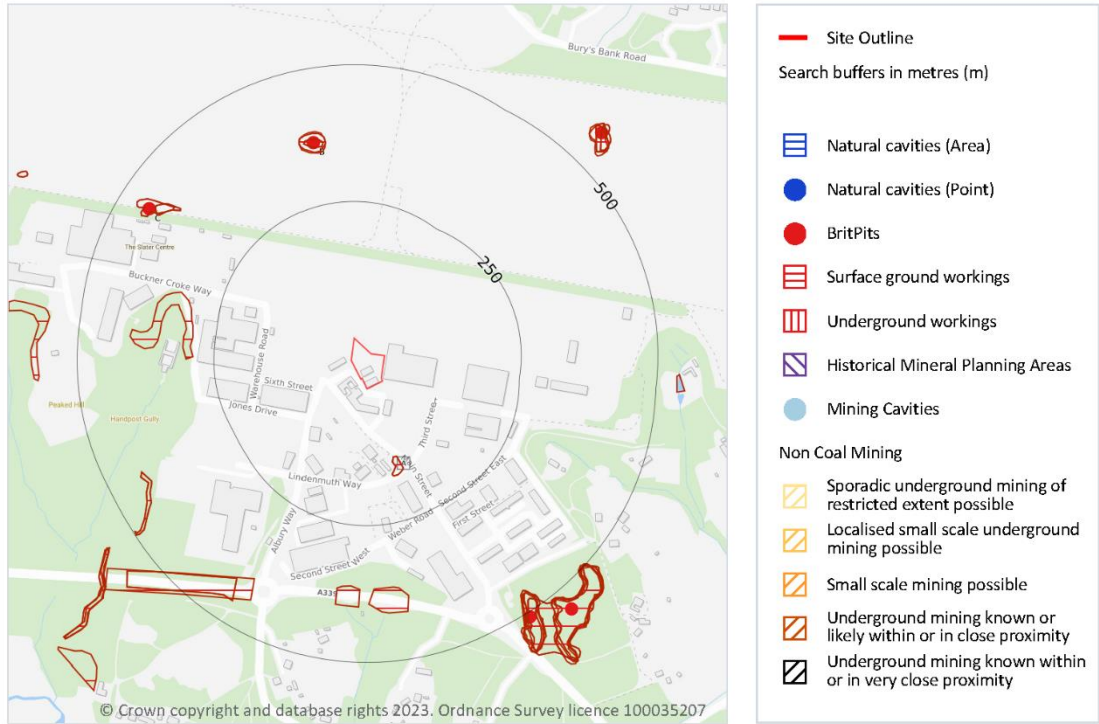
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18 Mining, ground workings and natural cavities



18.1 Natural cavities

Records within 500m 0

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.

This data is sourced from Stantec UK Ltd.



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18.2 BritPits

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

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 116**

ID	Location	Details	Description
B	365m N	Name: Rifle Range Gravel Pits Address: Greenham, NEWBURY, Berkshire Commodity: Sand & Gravel 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
C	442m NW	Name: Greenham Common Gravel Pits Address: Greenham, NEWBURY, Berkshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m	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, ground workings and natural cavities map on **page 116**

ID	Location	Land Use	Year of mapping	Mapping scale
A	134m S	Unspecified Pit	1913	1:10560
A	134m S	Unspecified Pit	1913	1:10560

This data is sourced from Ordnance Survey/Groundsure.



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18.4 Underground workings

Records within 1000m	0
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Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

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

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

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

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).

This data is sourced from the British Geological Survey.

18.7 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.

18.8 JPB mining areas

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

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



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Location	Details
On site	Whilst outside of an area where The Coal Authority have information on coal mining activities, Johnson Poole & Bloomer (JPB) may have information such as mining plans and maps held within their archive that have occurred within 1km of this property. Please note, the plans held by JPB may also relate to non-mining records. Further details and a quote for services (if appropriate) can be obtained by emailing this report to enquiries.gs@jpb.co.uk.

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

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

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

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	0
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The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

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

18.11 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.



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18.13 Clay mining

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

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

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



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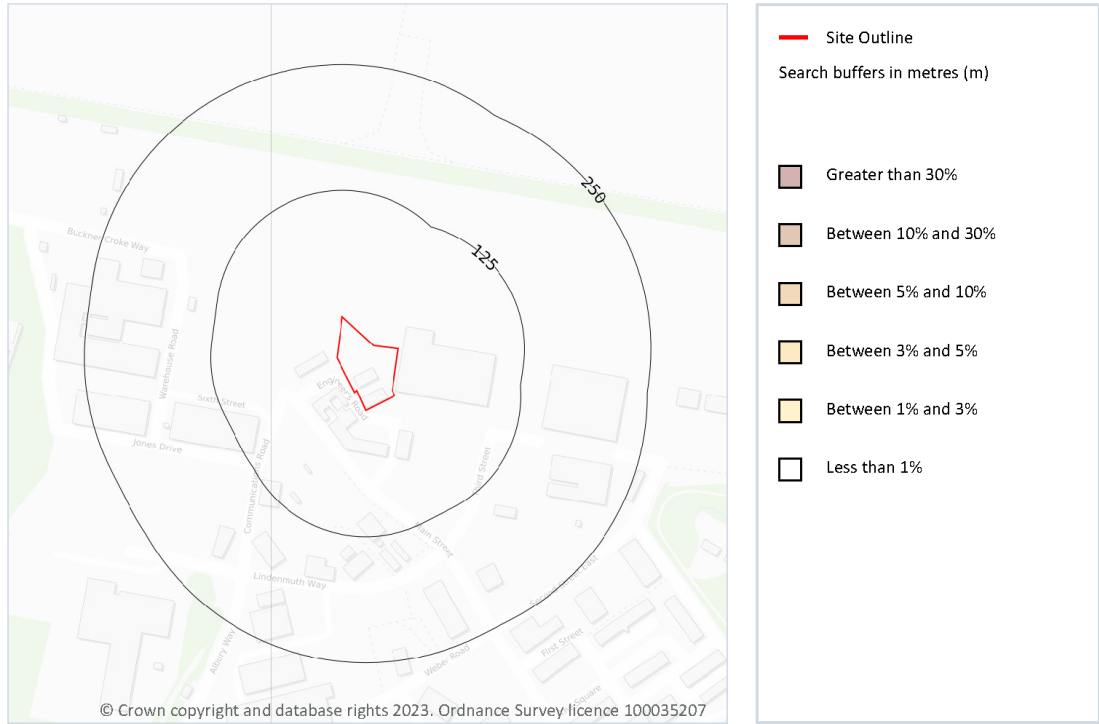
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19 Radon



19.1 Radon

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

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

Features are displayed on the Radon map on **page 121**

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



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Grid ref: 450095 164295

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



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20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

1

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

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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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21 Railway infrastructure and projects

21.1 Underground railways (London)

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

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

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

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

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

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

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m	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.

21.5 Royal Mail tunnels

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

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



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 Grid ref: 450095 164295

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

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

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

This data is sourced from OpenStreetMap.

21.7 Railways

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

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

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

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

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

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

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

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

This data is sourced from HS2 Ltd.



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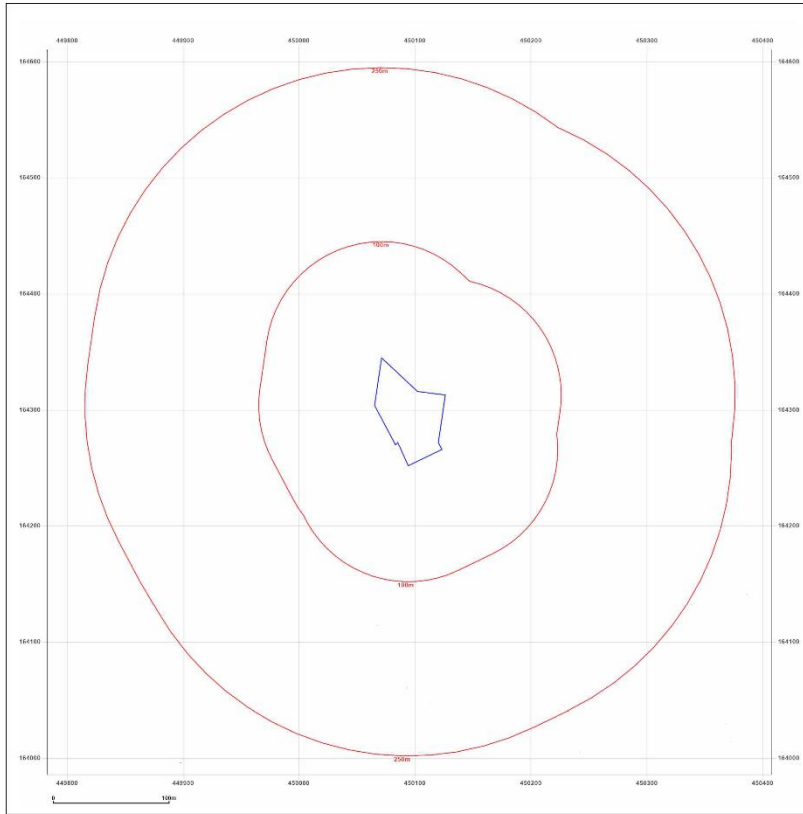
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Map Name: County Series
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 Printed at: 1:2,500

Surveyed 1873
 Revised 1873
 Edition N/A
 Copyright N/A
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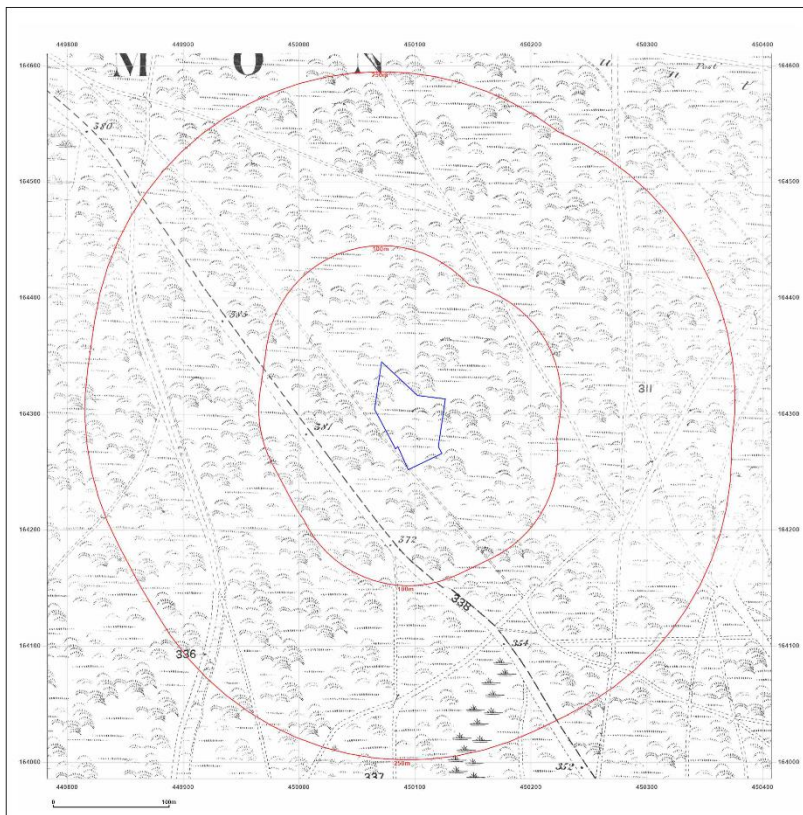
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 Map date: 1880
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 Edition N/A
 Copyright N/A
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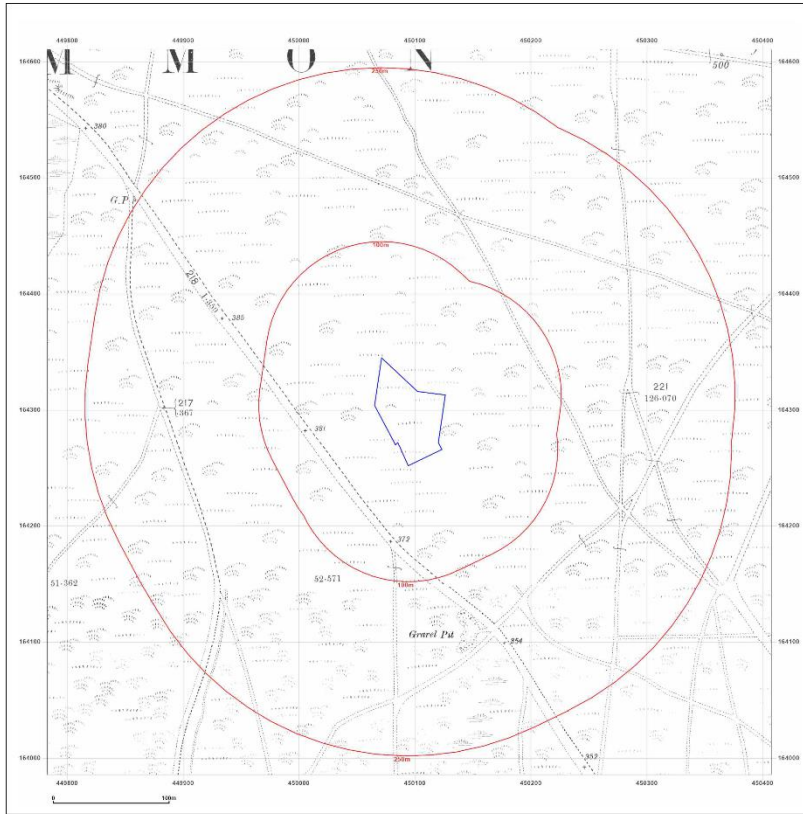
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Map Name: County Series

Map date: 1895-1900

Scale: 1:2,500

Printed at: 1:2,500



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Surveyed 1895
 Revised 1895
 Edition N/A
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 Levelled N/A



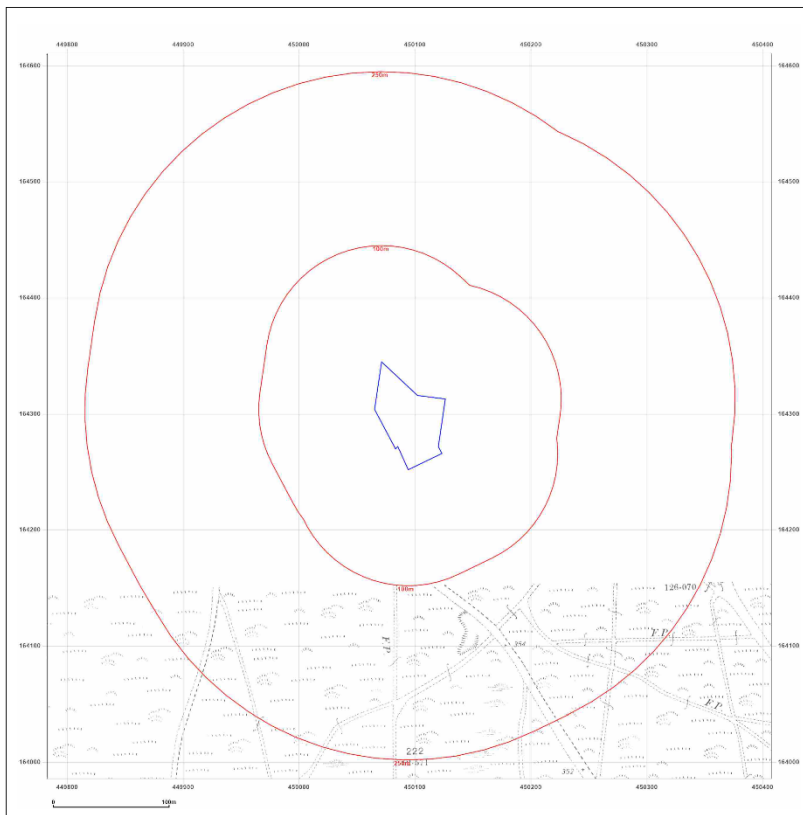
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Map Name: County Series

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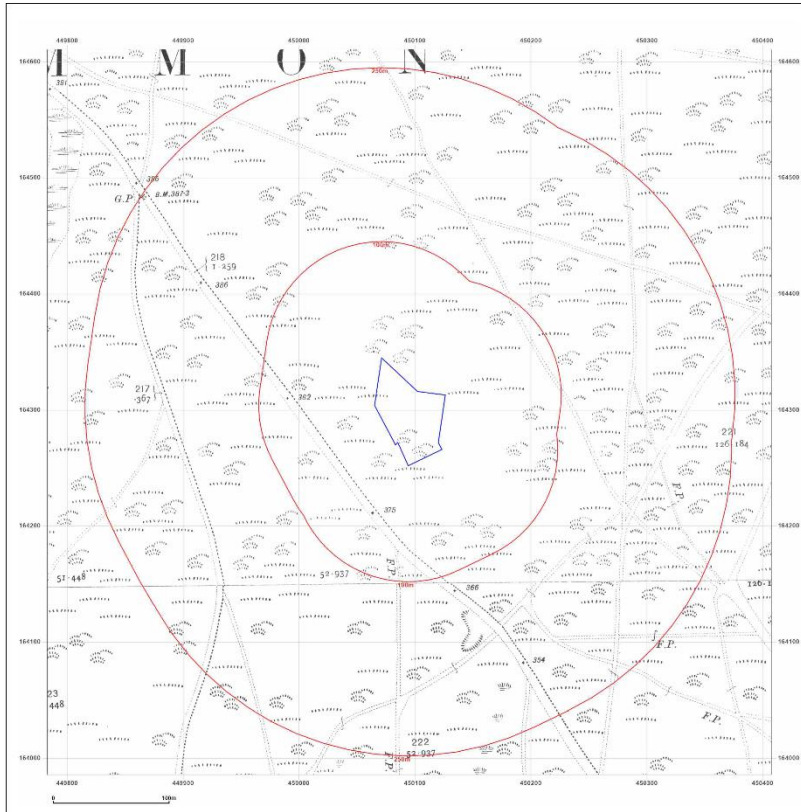
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Scale: 1:2,500
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Surveyed 1911
Revised 1911
Edition N/A
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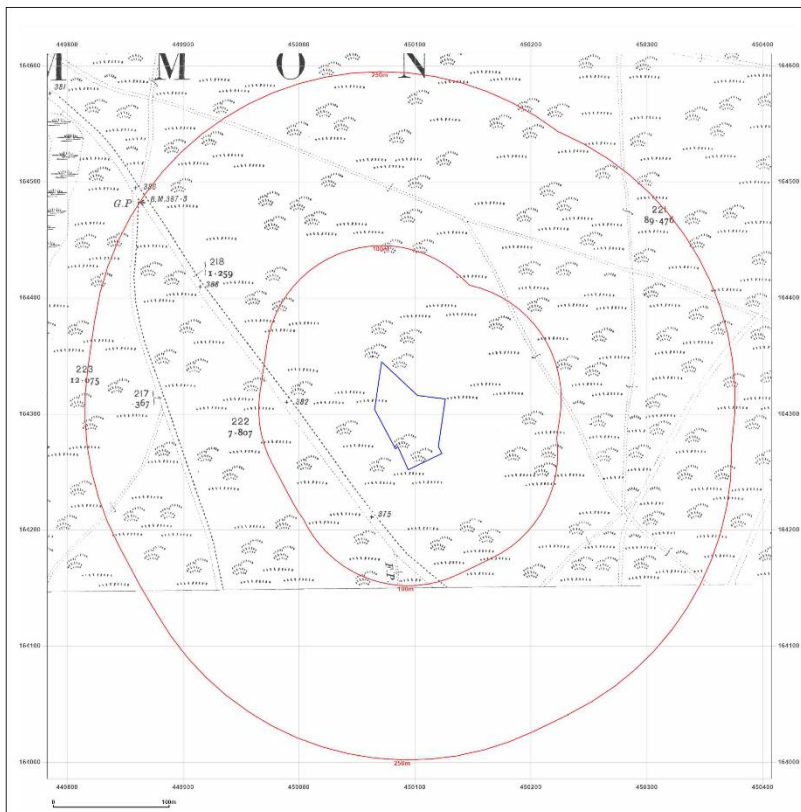
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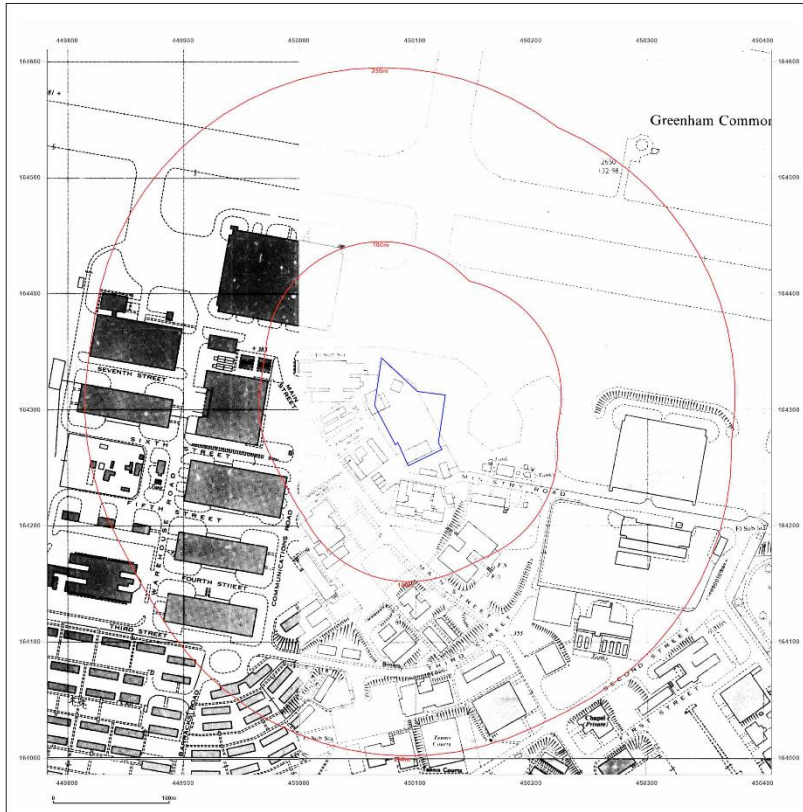
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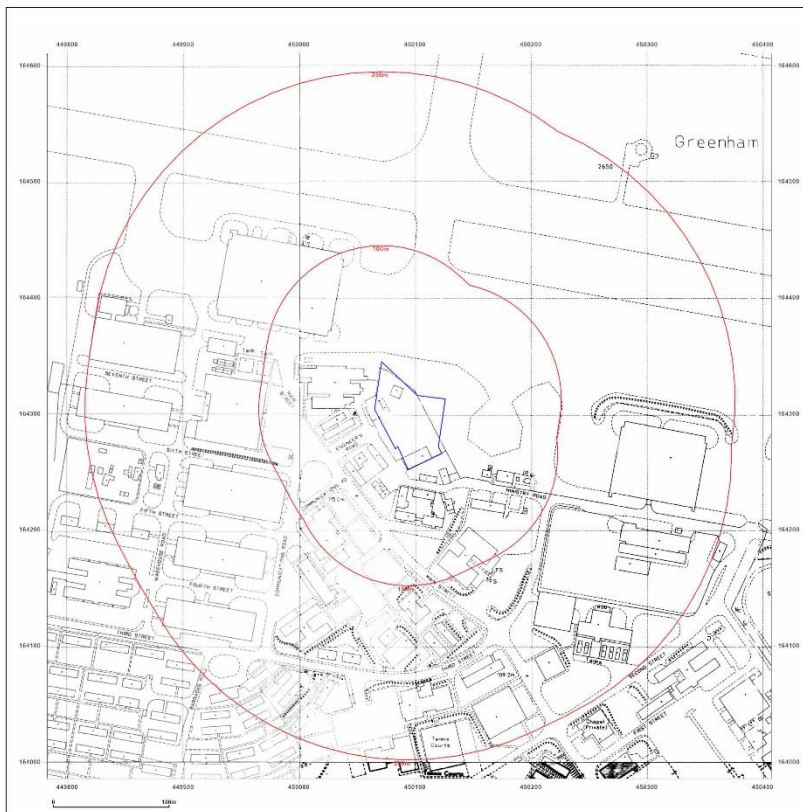
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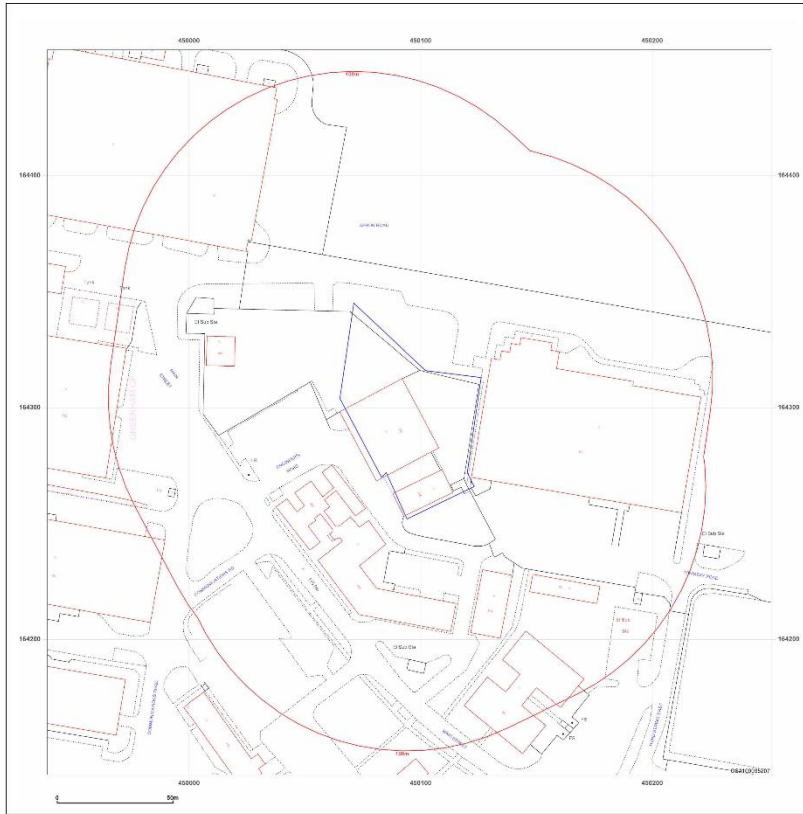
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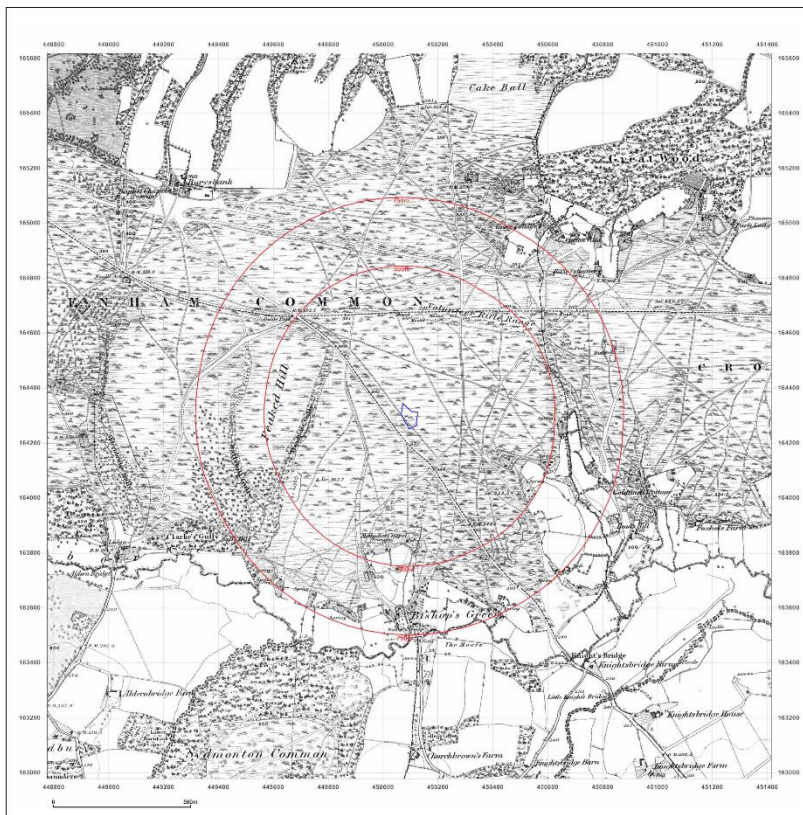
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2003

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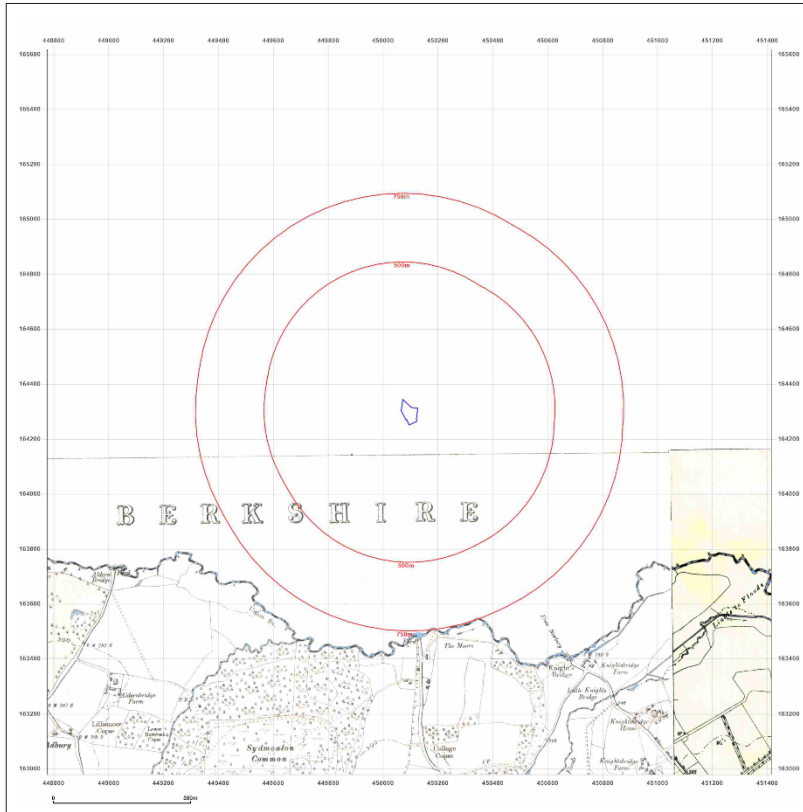
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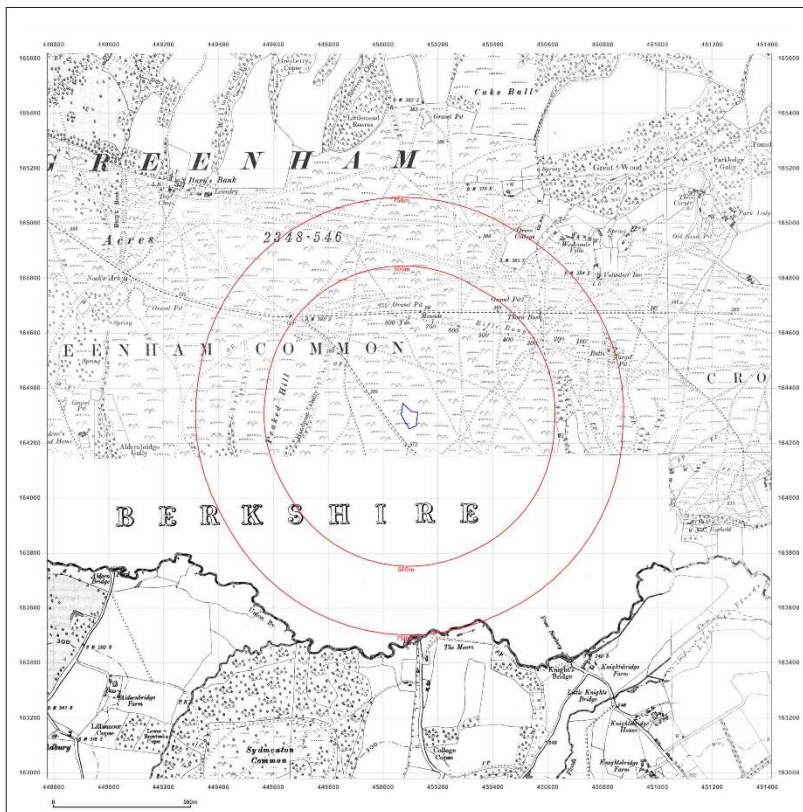
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 Scale: 1:10,560
 Printed at: 1:10,560

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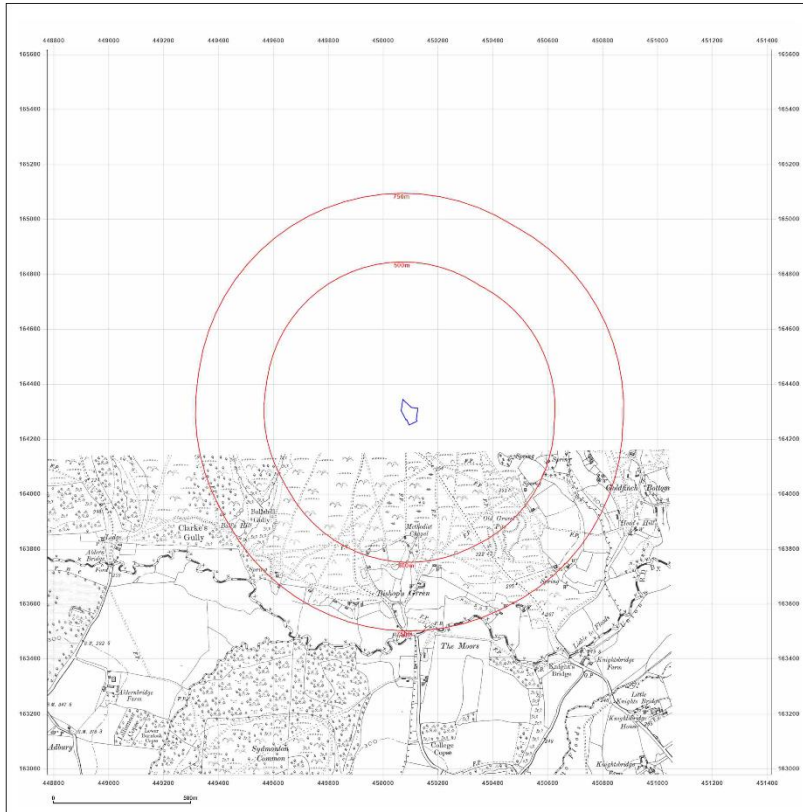
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N
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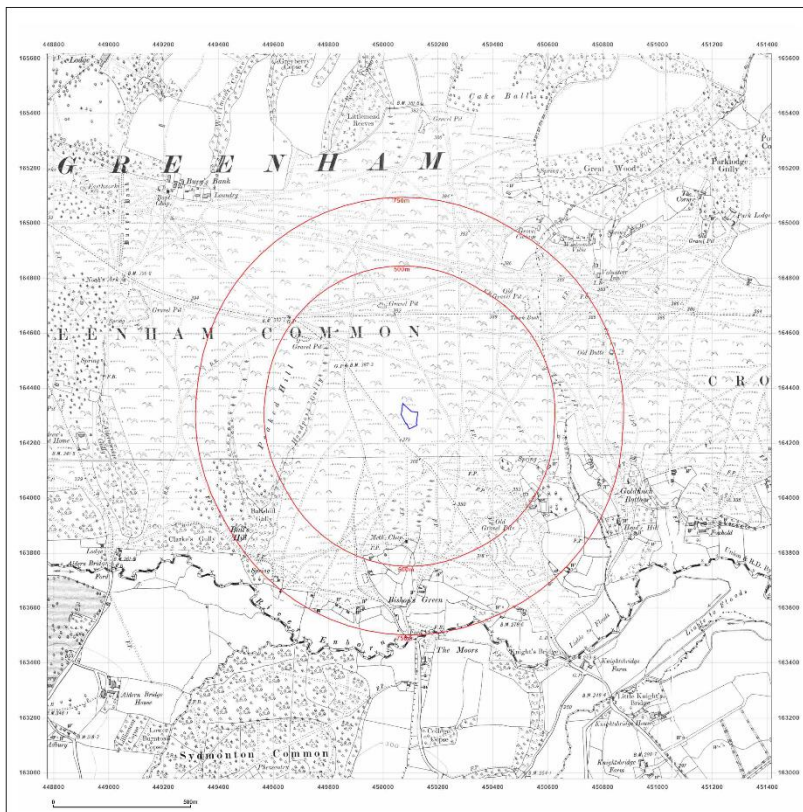
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 Grid Ref: 450095_164298

Map Name: County Series
 Map date: 1899
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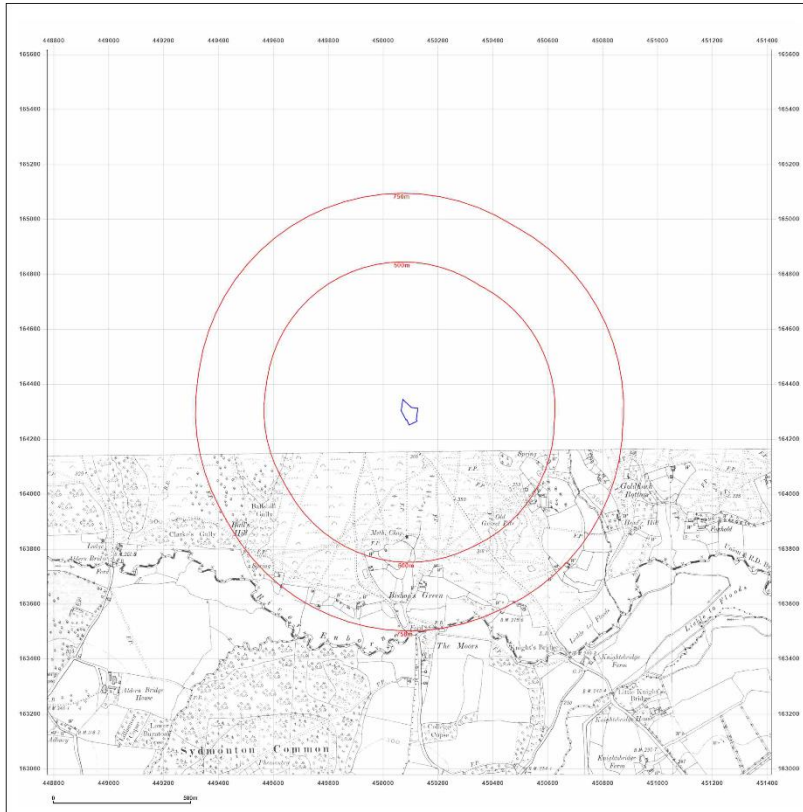
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 Revised 1910
 Edition N/A
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Surveyed 1874
 Revised 1909
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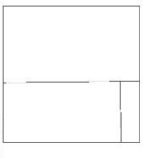
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Map Name: County Series
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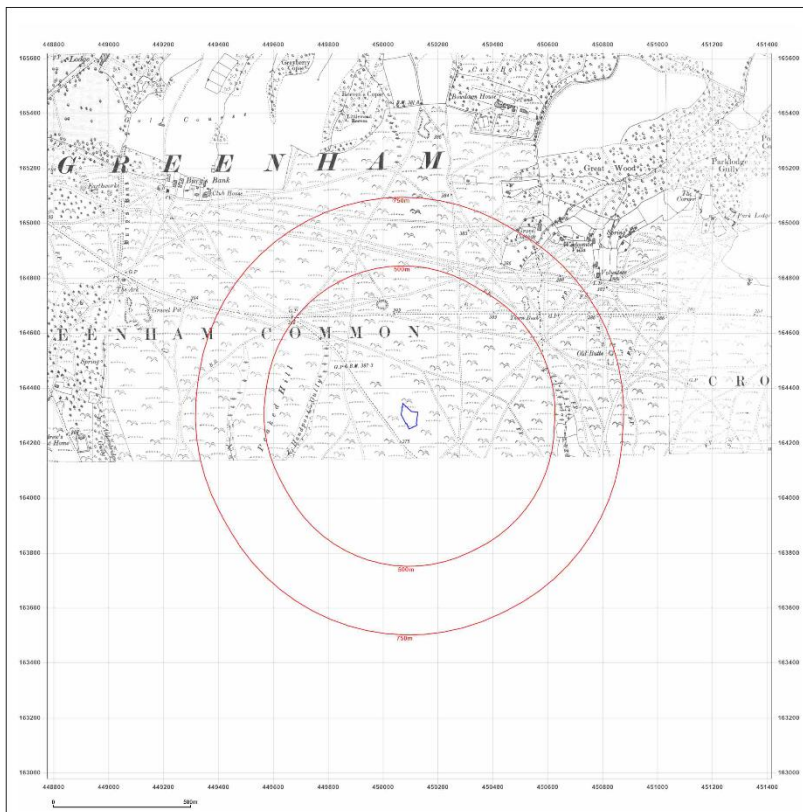


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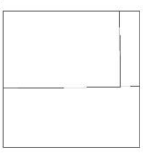
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 Scale: 1:10,560
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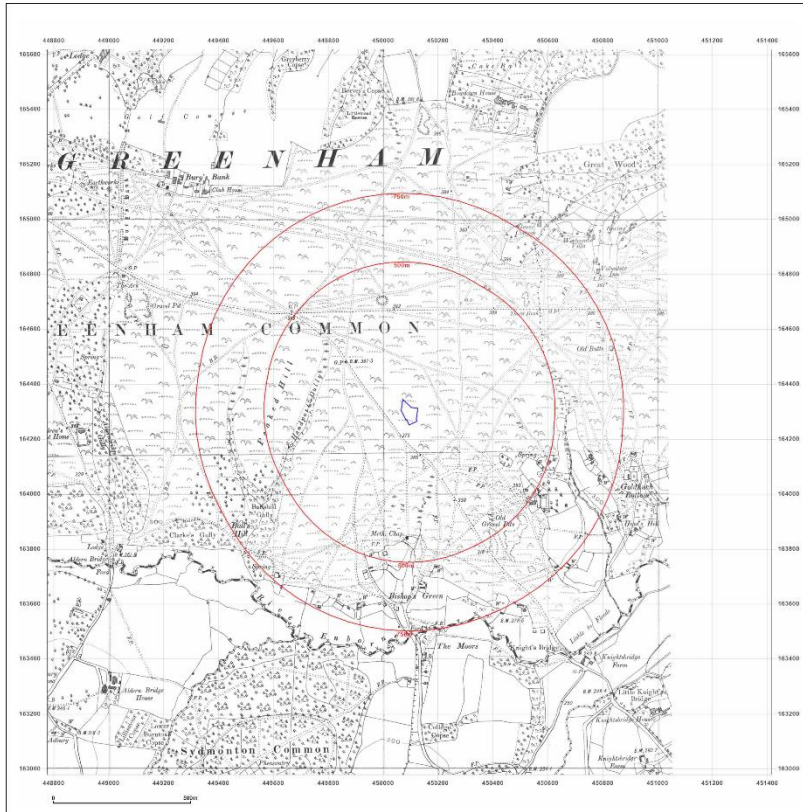


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 Scale: 1:10,560
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Surveyed 1878
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled 1910

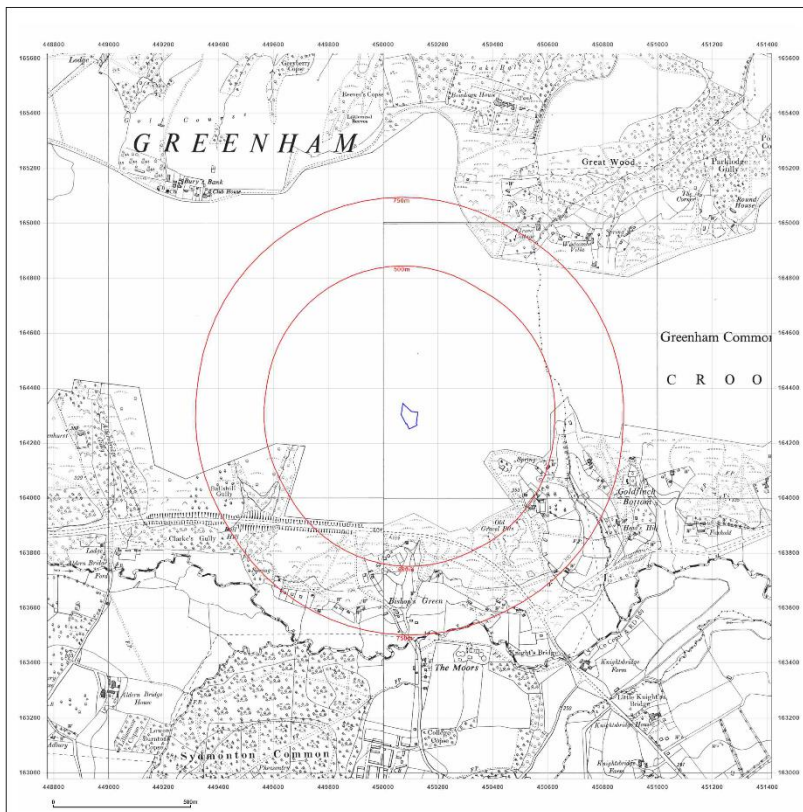
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Map Name: Provisional
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 Printed at: 1:10,560

Surveyed 1956
 Revised 1956
 Edition N/A
 Copyright N/A
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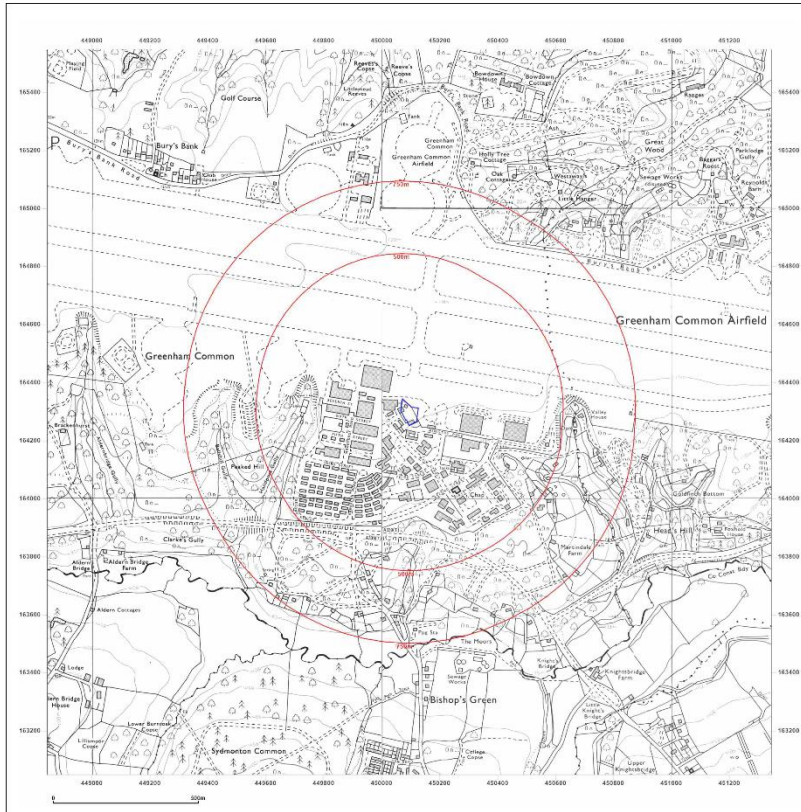
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Map Name: National Grid
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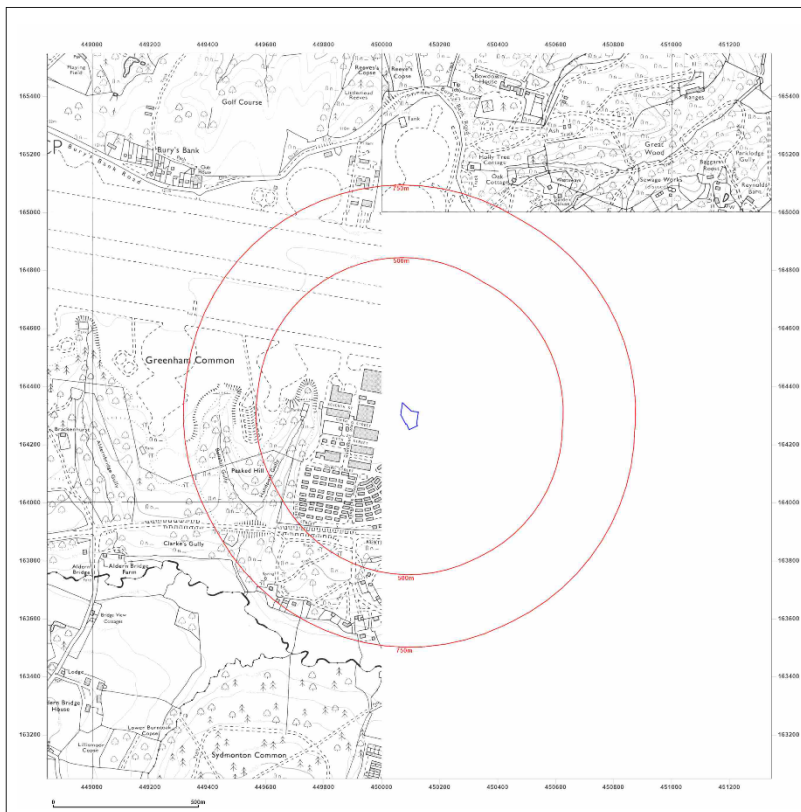
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Site Details:

Client Ref: EMS_836523_1033871
 Report Ref: EMS-836523_1074376
 Grid Ref: 450095, 164298

Map Name: National Grid
 Map date: 1991-1992
 Scale: 1:10,000
 Printed at: 1:10,000

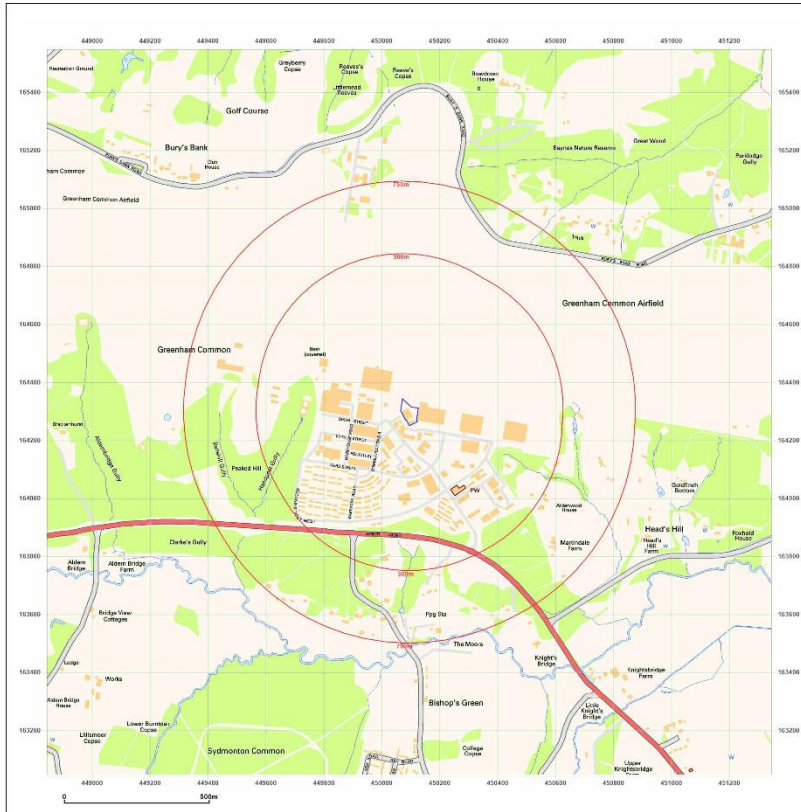
Surveyed 1990 Revised 1991 Edition N/A Copyright N/A Levelled N/A	Surveyed 1990 Revised 1991 Edition N/A Copyright N/A Levelled N/A
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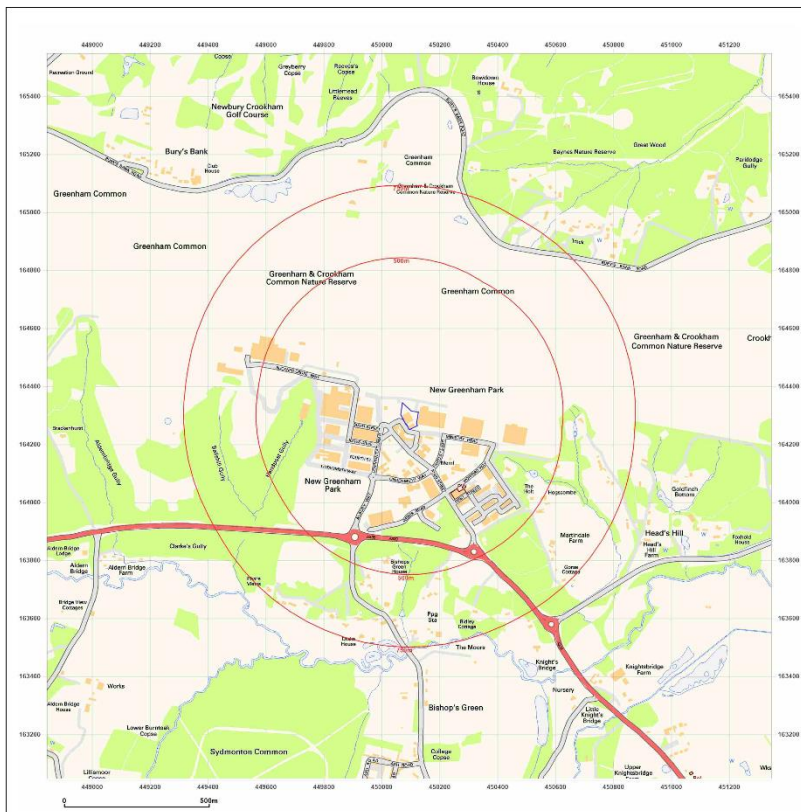
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Site Details:

Client Ref: EMS-836523_1033871
 Report Ref: EMS-836523_1074376
 Grid Ref: 450095, 164298

Map Name: National Grid
 Map date: 2001
 Scale: 1:10,000
 Printed at: 1:10,000

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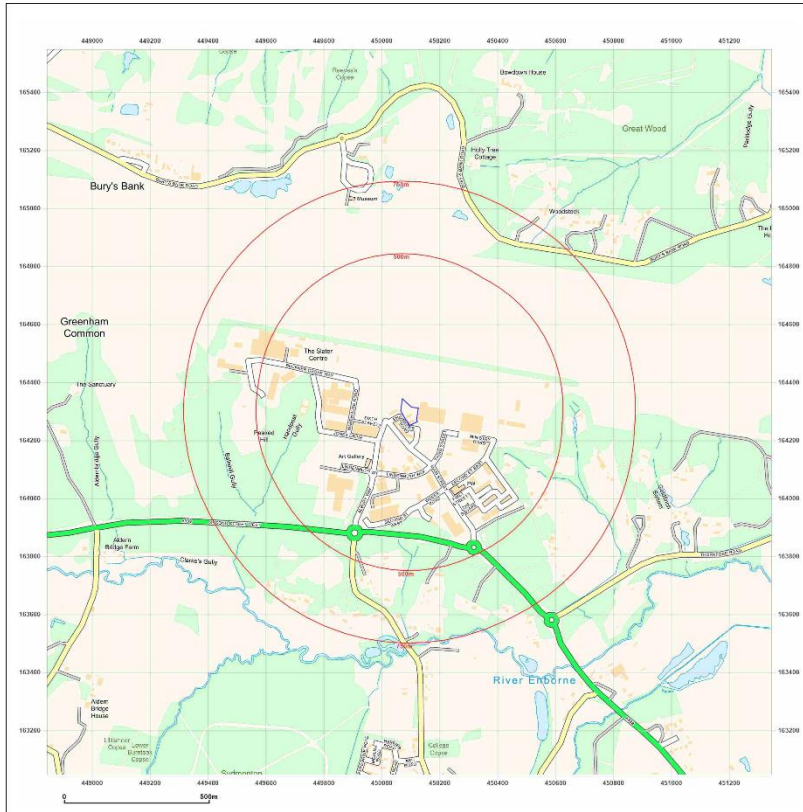
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Site Details:

Client Ref: EMS-836523_1033871
 Report Ref: EMS-836523_1074376
 Grid Ref: 450095, 164298

Map Name: National Grid
 Map date: 2010
 Scale: 1:10,000
 Printed at: 1:10,000

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Site Details:

Client Ref: EMS_836523_1033871
 Report Ref: EMS-836523_1074376
 Grid Ref: 450095, 164298

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



2023

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