

The Vineries, Green Tye, Much Hadham, SG10 6JJ

Order Details

Date: 19/11/2025
Your ref: PO WE-3339
Our Ref: GS-KE9-6QX-KNE-DTD

Site Details

Location: 544236 218499
Area: 0.18 ha
Authority: [East Hertfordshire District Council](#) ↗



[Summary of findings](#)

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Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	3	0	0	1	-
16 >	1.2 >	Historical tanks >	0	4	1	4	-
16 >	1.3 >	Historical energy features >	0	1	0	0	-
17 >	1.4 >	Historical petrol stations >	0	0	1	0	-
17	1.5	Historical garages	0	0	0	0	-
17	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
18 >	2.1 >	Historical industrial land uses >	4	0	0	2	-
19 >	2.2 >	Historical tanks >	0	4	2	5	-
20 >	2.3 >	Historical energy features >	0	2	0	0	-
20 >	2.4 >	Historical petrol stations >	0	0	1	0	-
20	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
21	3.1	Active or recent landfill	0	0	0	0	-
21	3.2	Historical landfill (BGS records)	0	0	0	0	-
22	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
22	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
22	3.5	Historical waste sites	0	0	0	0	-
22 >	3.6 >	Licensed waste sites >	0	2	1	0	-
23 >	3.7 >	Waste exemptions >	9	0	51	6	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
29 >	4.1 >	Recent industrial land uses >	0	2	3	-	-
30 >	4.2 >	National Geographic Database (NGD) - Current or recent tanks >	0	6	3	-	-
31	4.3	Current or recent petrol stations	0	0	0	0	-
31	4.4	Electricity cables	0	0	0	0	-
31	4.5	Gas pipelines	0	0	0	0	-



31	4.6	Sites determined as Contaminated Land	0	0	0	0	-
31	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
32	4.8	Regulated explosive sites	0	0	0	0	-
32	4.9	Hazardous substance storage/usage	0	0	0	0	-
32	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
32	4.11	Licensed industrial activities (Part A(1))	0	0	0	0	-
32	4.12	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
33	4.13	Radioactive Substance Authorisations	0	0	0	0	-
33 >	4.14 >	<u>Licensed Discharges to controlled waters ></u>	0	0	0	9	-
34	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
35	4.16	Pollutant release to public sewer	0	0	0	0	-
35	4.17	List 1 Dangerous Substances	0	0	0	0	-
35	4.18	List 2 Dangerous Substances	0	0	0	0	-
35 >	4.19 >	<u>Pollution Incidents (EA/NRW) ></u>	0	1	0	1	-
36	4.20	Pollution inventory substances	0	0	0	0	-
36	4.21	Pollution inventory waste transfers	0	0	0	0	-
36	4.22	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
37 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
39 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
40 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
41	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
41	5.5	Groundwater vulnerability- local information	None (within 0m)				
42 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	2	0	5
44 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	10
47 >	5.8 >	<u>Potable abstractions ></u>	0	0	0	0	4
48 >	5.9 >	<u>Source Protection Zones ></u>	1	0	0	0	-
49	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m

50 >	6.1 >	Water Network (OS MasterMap) >	0	8	4	-	-
52 >	6.2 >	Surface water features >	0	2	4	-	-
52 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
52 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
53 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
54	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
54	7.2	Historical Flood Events	0	0	0	-	-
54	7.3	Flood Defences	0	0	0	-	-
55	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
55	7.5	Flood Storage Areas	0	0	0	-	-
56	7.6	Flood Zone 2	None (within 50m)				
56	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
57	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
58 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
59	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
60	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
60	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
60	10.4	Special Protection Areas (SPA)	0	0	0	0	0
60	10.5	National Nature Reserves (NNR)	0	0	0	0	0
61	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
61 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	6
61	10.8	Biosphere Reserves	0	0	0	0	0
62	10.9	Forest Parks	0	0	0	0	0
62	10.10	Marine Conservation Zones	0	0	0	0	0
62 >	10.11 >	Green Belt >	0	0	0	0	1



62	10.12	Proposed Ramsar sites	0	0	0	0	0
63	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
63	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
63	10.15	Nitrate Sensitive Areas	0	0	0	0	0
63 >	10.16 >	<u>Nitrate Vulnerable Zones ></u>	1	0	1	0	0
65	10.17	SSSI Impact Risk Zones	0	-	-	-	-
65	10.18	SSSI Units	0	0	0	0	0
Page	Section	<u>Visual and cultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
66	11.1	World Heritage Sites	0	0	0	-	-
67	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
67	11.3	National Parks	0	0	0	-	-
67 >	11.4 >	<u>Listed Buildings ></u>	0	0	6	-	-
68 >	11.5 >	<u>Conservation Areas ></u>	0	1	0	-	-
68	11.6	Scheduled Ancient Monuments	0	0	0	-	-
68	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<u>Agricultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
69 >	12.1 >	<u>Agricultural Land Classification ></u>	Grade 2 (within 250m)				
70 >	12.2 >	<u>Open Access Land ></u>	0	0	2	-	-
70	12.3	Tree Felling Licences	0	0	0	-	-
70	12.4	Environmental Stewardship Schemes	0	0	0	-	-
71 >	12.5 >	<u>Countryside Stewardship Schemes ></u>	1	1	2	-	-
Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
72 >	13.1 >	<u>Priority Habitat Inventory ></u>	0	0	3	-	-
73	13.2	Habitat Networks	0	0	0	-	-
73	13.3	Open Mosaic Habitat	0	0	0	-	-
73	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<u>Geology 1:10,000 scale ></u>	On site	0-50m	50-250m	250-500m	500-2000m
74 >	14.1 >	<u>10k Availability ></u>	Identified (within 500m)				
75	14.2	Artificial and made ground (10k)	0	0	0	0	-



76 >	14.3 >	Superficial geology (10k) >	1	0	1	0	-
77	14.4	Landslip (10k)	0	0	0	0	-
78 >	14.5 >	Bedrock geology (10k) >	1	1	0	0	-
79	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
80 >	15.1 >	50k Availability >	Identified (within 500m)				
81	15.2	Artificial and made ground (50k)	0	0	0	0	-
81	15.3	Artificial ground permeability (50k)	0	0	-	-	-
82 >	15.4 >	Superficial geology (50k) >	1	0	2	2	-
83 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
83	15.6	Landslip (50k)	0	0	0	0	-
83	15.7	Landslip permeability (50k)	None (within 50m)				
84 >	15.8 >	Bedrock geology (50k) >	2	0	2	0	-
85 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
85	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
86 >	16.1 >	BGS Boreholes >	0	0	2	-	-
Page	Section	Natural ground subsidence >					
87 >	17.1 >	Shrink swell clays >	Low (within 50m)				
88 >	17.2 >	Running sands >	Very low (within 50m)				
89 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
90 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
91 >	17.5 >	Landslides >	Very low (within 50m)				
92 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
94	18.1	BritPits	0	0	0	0	-
95 >	18.2 >	Surface ground workings >	0	0	8	-	-
95	18.3	Underground workings	0	0	0	0	0
95	18.4	Underground mining extents	0	0	0	0	-



96 >	18.5 >	Historical Mineral Planning Areas >	0	0	0	1	-
96 >	18.6 >	Non-coal mining >	1	0	0	0	2
97	18.7	JPB mining areas	None (within 0m)				
97	18.8	The Coal Authority non-coal mining	0	0	0	0	-
97	18.9	Researched mining	0	0	0	0	-
97	18.10	Mining record office plans	0	0	0	0	-
98	18.11	BGS mine plans	0	0	0	0	-
98	18.12	Coal mining	None (within 0m)				
98	18.13	Brine areas	None (within 0m)				
98	18.14	Gypsum areas	None (within 0m)				
98	18.15	Tin mining	None (within 0m)				
99	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
100	19.1	Natural cavities	0	0	0	0	-
100	19.2	Mining cavities	0	0	0	0	0
100	19.3	Reported recent incidents	0	0	0	0	-
100	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
102 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
104 >	21.1 >	BGS Estimated Background Soil Chemistry >	3	1	-	-	-
104	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
105	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
106	22.1	Underground railways (London)	0	0	0	-	-
106	22.2	Underground railways (Non-London)	0	0	0	-	-
106	22.3	Railway tunnels	0	0	0	-	-
106	22.4	Historical railway and tunnel features	0	0	0	-	-
106	22.5	Royal Mail tunnels	0	0	0	-	-



107	22.6	Historical railways	0	0	0	-	-
107	22.7	Railways	0	0	0	-	-
107	22.8	Crossrail 2	0	0	0	0	-
107	22.9	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 05/08/2022

Site Area: 0.18ha



Recent site history - 2020 aerial photograph



Capture Date: 09/04/2020

Site Area: 0.18ha



Recent site history - 2014 aerial photograph



Capture Date: 03/07/2014

Site Area: 0.18ha



Recent site history - 2010 aerial photograph



Capture Date: 27/04/2010

Site Area: 0.18ha



Recent site history - 1999 aerial photograph



Capture Date: 18/07/1999

Site Area: 0.18ha



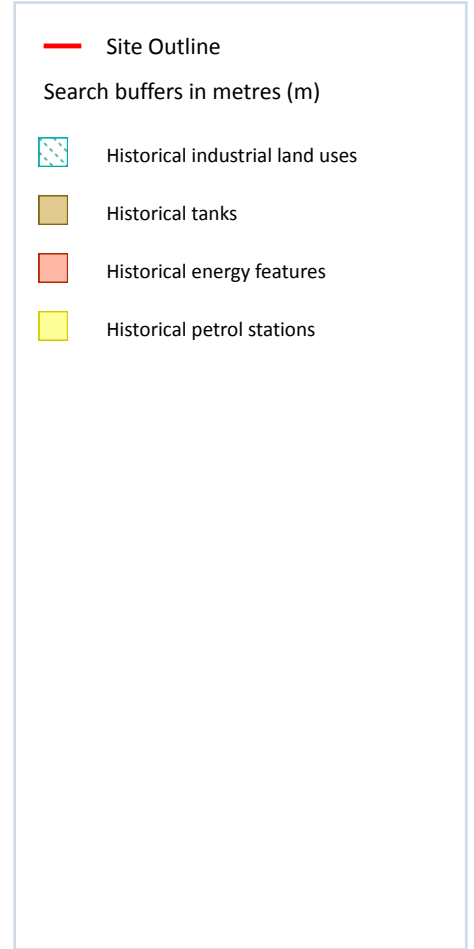
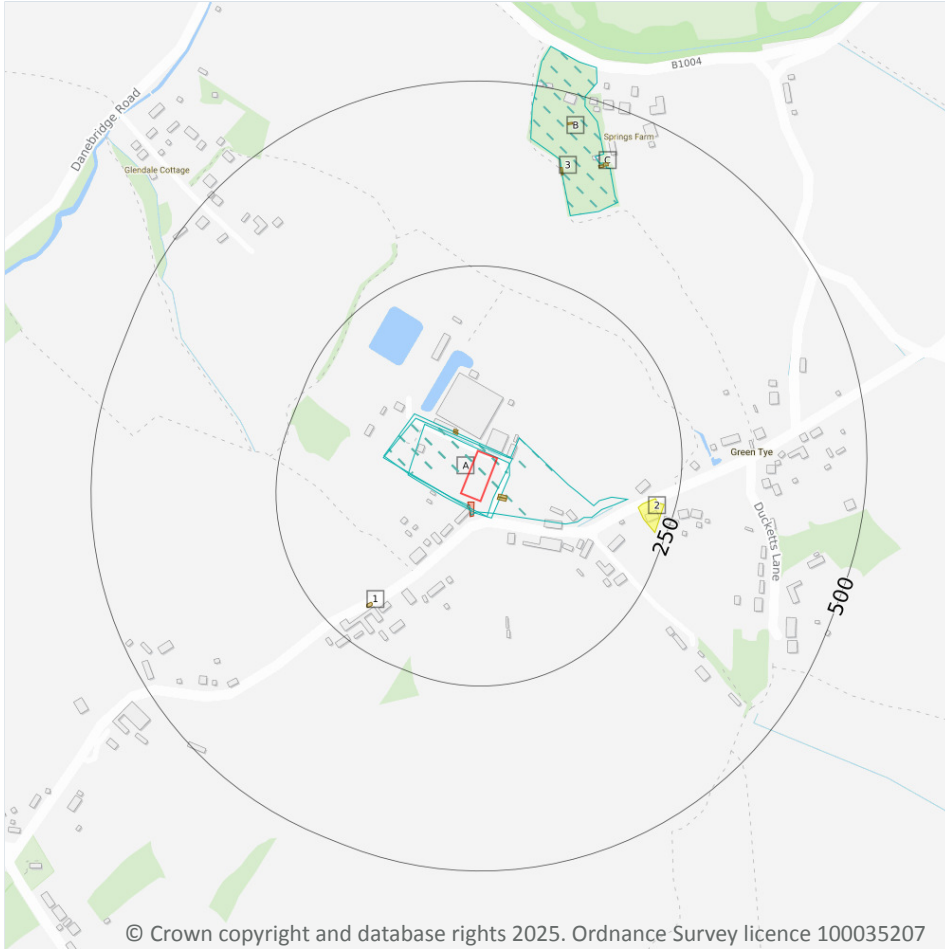
OS MasterMap site plan



Site Area: 0.18ha



1 Past land use



1.1 Historical industrial land uses

Records within 500m

4

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

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

ID	Location	Land use	Dates present	Group ID
A	On site	Nursery	1922 - 1947	2120831

ID	Location	Land use	Dates present	Group ID
A	On site	Nursery	1980	2134289
A	On site	Nursery	1951	2154540
B	342m N	Nursery	1980	2085045

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

9

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

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

ID	Location	Land use	Dates present	Group ID
A	19m E	Tanks	1997	360439
A	20m E	Tanks	1976	360441
A	35m NW	Unspecified Tank	1976	366023
A	38m NW	Unspecified Tank	1997	365998
1	191m SW	Tanks	1976 - 1997	367814
3	390m N	Unspecified Tank	1976	366022
C	416m N	Unspecified Tank	1976	366019
C	420m N	Unspecified Tank	1997	365997
B	458m N	Unspecified Tank	1976 - 1997	370076

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

1

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or



succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
A	4m S	Electricity Substation	1976 - 1997	251536

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

1

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'.

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

ID	Location	Land use	Dates present	Group ID
2	202m E	Filling Station	1976	4019

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

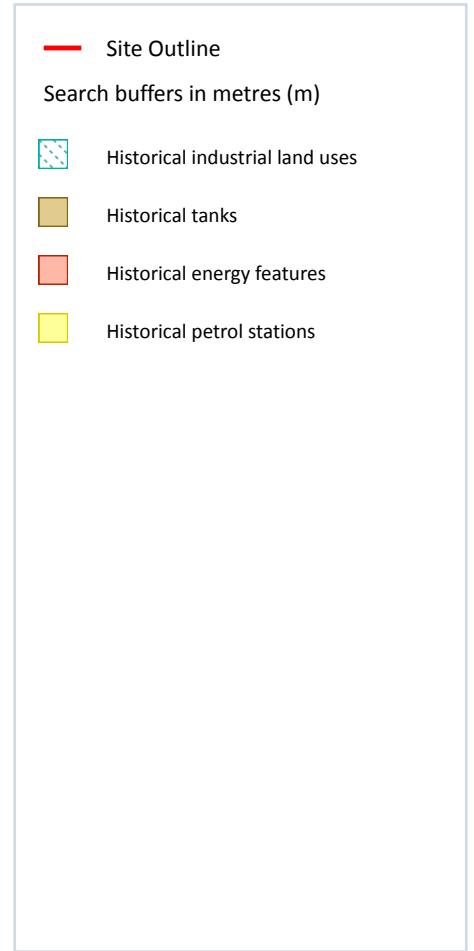
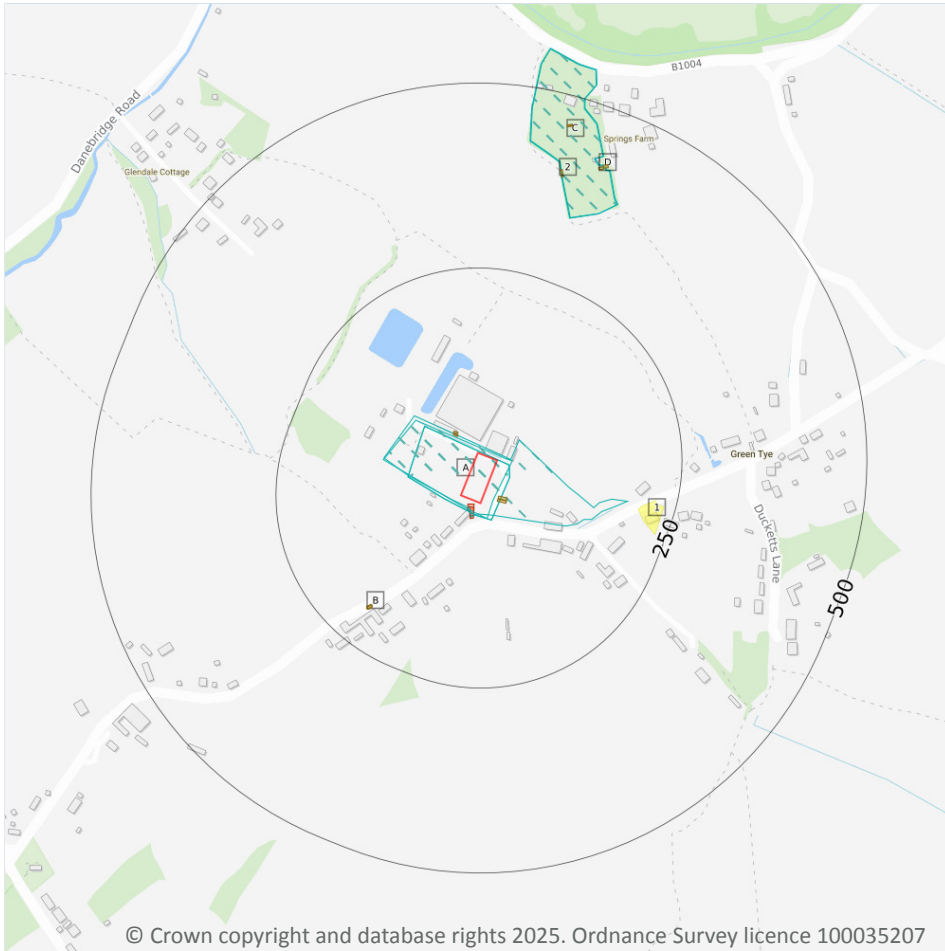
0

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

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



2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m

6

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

Features are displayed on the Past land use - un-grouped map on [page 18](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Nursery	1947	2120831
A	On site	Nursery	1922	2120831
A	On site	Nursery	1951	2154540

ID	Location	Land Use	Date	Group ID
A	On site	Nursery	1980	2134289
C	341m N	Nursery	1980	2406109
C	342m N	Nursery	1980	2085045

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	11
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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 18 >](#)

ID	Location	Land Use	Date	Group ID
A	19m E	Tanks	1997	360439
A	20m E	Tanks	1976	360441
A	35m NW	Unspecified Tank	1976	366023
A	38m NW	Unspecified Tank	1997	365998
B	191m SW	Tanks	1997	367814
B	192m SW	Tanks	1976	367814
2	390m N	Unspecified Tank	1976	366022
D	416m N	Unspecified Tank	1976	366019
D	420m N	Unspecified Tank	1997	365997
C	458m N	Unspecified Tank	1976	370076
C	458m N	Unspecified Tank	1997	370076

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

2

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

Features are displayed on the Past land use - un-grouped map on [page 18 >](#)

ID	Location	Land Use	Date	Group ID
A	4m S	Electricity Substation	1997	251536
A	9m S	Electricity Substation	1976	251536

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

1

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'.

Features are displayed on the Past land use - un-grouped map on [page 18 >](#)

ID	Location	Land Use	Date	Group ID
1	202m E	Filling Station	1976	4019

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

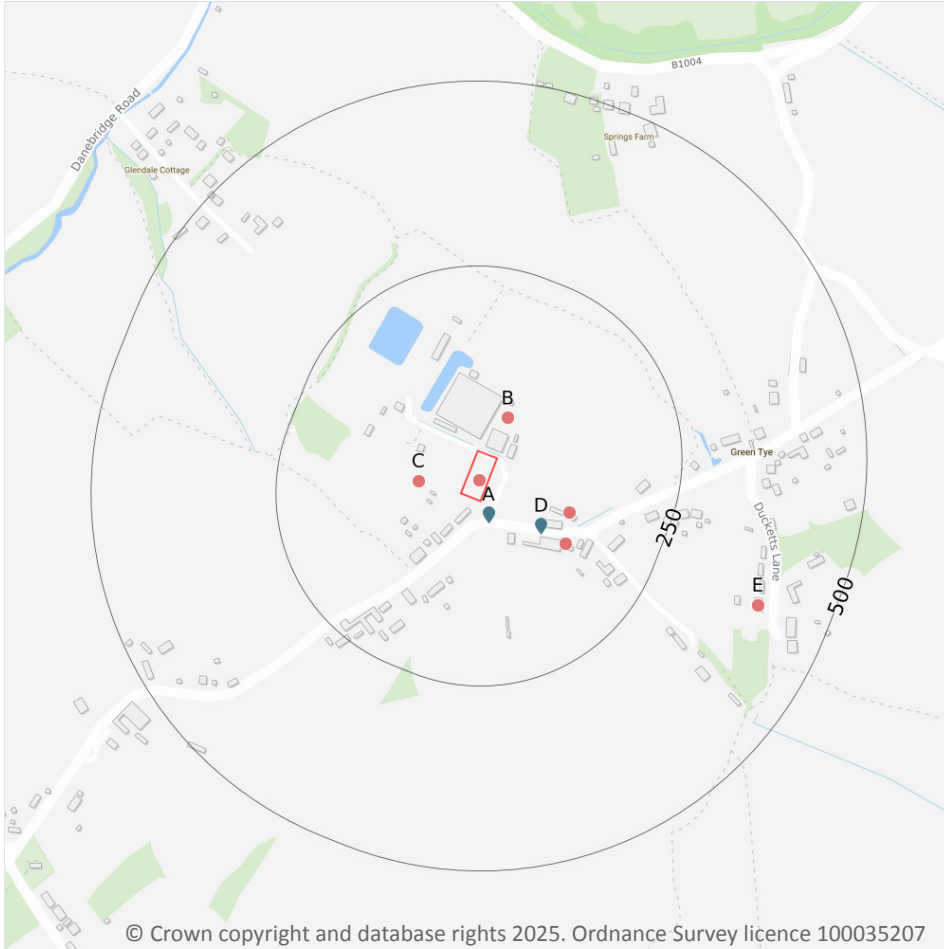
0

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

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

0

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

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

3.5 Historical waste sites

Records within 500m

0

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

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

3.6 Licensed waste sites

Records within 500m

3

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

Features are displayed on the Waste and landfill map on [page 21 >](#)

ID	Location	Details		
A	21m SE	Site Name: The Vineries Site Address: The Vineries, Green Tye, Much Hadham, Hertfordshire, SG10 6JJ Correspondence Address: -	Type of Site: Biological Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GUY001 EPR reference: EA/EPR/PP3793EU/V005 Operator: Guy & Wright Limited Waste Management licence No: 80732 Annual Tonnage: 37499	Issue Date: 17/01/2007 Effective Date: - Modified: 10/12/2018 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
A	21m SE	Site Name: The Vineries Site Address: The Vineries, Green Tye, Much Hadham, Hertfordshire, SG10 6JJ Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 648316 EPR reference: EA/EPR/PP3793EU Operator: Guy & Wright Limited Waste Management licence No: 80732 Annual Tonnage: 37499	Issue Date: 17/01/2007 Effective Date: 17/01/2007 Modified: 17/01/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	88m E	Site Name: Guy & Wright Ltd Site Address: The Vineries, Green Tye, Much Hadham, Hertfordshire, SG10 9JJ Correspondence Address: -	Type of Site: Biological Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GUY001 EPR reference: EA/EPR/PP3793EU/A001 Operator: Guy & Wright Ltd Waste Management licence No: 80732 Annual Tonnage: 10000	Issue Date: 17/01/2007 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m	66
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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 21 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers
A	On site	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
A	On site	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Treating waste exemption	Agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)



ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Disposing of waste exemption	Both agricultural and non- agricultural waste	Deposit of waste from dredging of inland waters
A	On site	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Treating waste exemption	Both agricultural and non- agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	On site	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Treating waste exemption	Both agricultural and non- agricultural waste	Mechanical treatment of end-of-life tyres
A	On site	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Using waste exemption	Both agricultural and non- agricultural waste	Use of waste in construction
A	On site	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Using waste exemption	Both agricultural and non- agricultural waste	Use of waste for a specified purpose
A	On site	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
B	55m N	-	WEX367483	Using waste exemption	On a farm	Use of waste in construction
B	55m N	-	WEX367483	Using waste exemption	On a farm	Use of waste for a specified purpose
B	55m N	-	WEX367483	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
B	55m N	-	WEX367483	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	55m N	-	WEX367483	Treating waste exemption	On a farm	Mechanical treatment of end-of-life tyres



ID	Location	Site	Reference	Category	Sub-Category	Description
B	55m N	-	WEX367483	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
B	55m N	-	WEX367483	Disposing of waste exemption	On a farm	Burning waste in the open
B	55m N	-	WEX367483	Storing waste exemption	On a farm	Storage of waste in secure containers
B	55m N	-	WEX367483	Storing waste exemption	On a farm	Storage of waste in a secure place
C	60m W	The Nurseries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QE5880JH /A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
C	60m W	The Nurseries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QE5880JH /A001	Treating waste exemption	Non-agricultural waste only	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Disposing of waste exemption	On a farm	Burning waste in the open
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Using waste exemption	On a farm	Use of waste in construction
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Storing waste exemption	On a farm	Storage of waste in a secure place
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Storing waste exemption	On a farm	Storage of waste in secure containers
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Treating waste exemption	On a farm	Mechanical treatment of end-of-life tyres
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)



ID	Location	Site	Reference	Category	Sub-Category	Description
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Using waste exemption	On a farm	Use of waste for a specified purpose
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Storing waste exemption	On a farm	Storage of waste in secure containers
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Storing waste exemption	On a farm	Storage of waste in a secure place
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Treating waste exemption	On a farm	Mechanical treatment of end-of-life tyres
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Using waste exemption	On a farm	Use of waste in construction
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Using waste exemption	On a farm	Use of waste for a specified purpose
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Disposing of waste exemption	On a farm	Burning waste in the open
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Disposing of waste exemption	On a farm	Burning waste in the open
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Disposing of waste exemption	On a farm	Burning waste in the open
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Using waste exemption	On a farm	Use of waste in construction
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Using waste exemption	On a farm	Use of waste for a specified purpose
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)



ID	Location	Site	Reference	Category	Sub-Category	Description
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Treating waste exemption	On a farm	Mechanical treatment of end-of-life tyres
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Storing waste exemption	On a farm	Storage of waste in secure containers
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Storing waste exemption	On a farm	Storage of waste in a secure place
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Using waste exemption	On a farm	Use of waste in construction
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Using waste exemption	On a farm	Use of waste for a specified purpose
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Treating waste exemption	On a farm	Mechanical treatment of end-of-life tyres
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Storing waste exemption	On a farm	Storage of waste in secure containers
D	117m E	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Storing waste exemption	On a farm	Storage of waste in a secure place
D	129m SE	Uffords Farm House Green Tye Much Hadham Hertfordshire Sg10 6jp	EPR/KH0171X X/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
D	129m SE	Uffords Farm House Green Tye Much Hadham Hertfordshire Sg10 6jp	EPR/KH0171X X/A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers

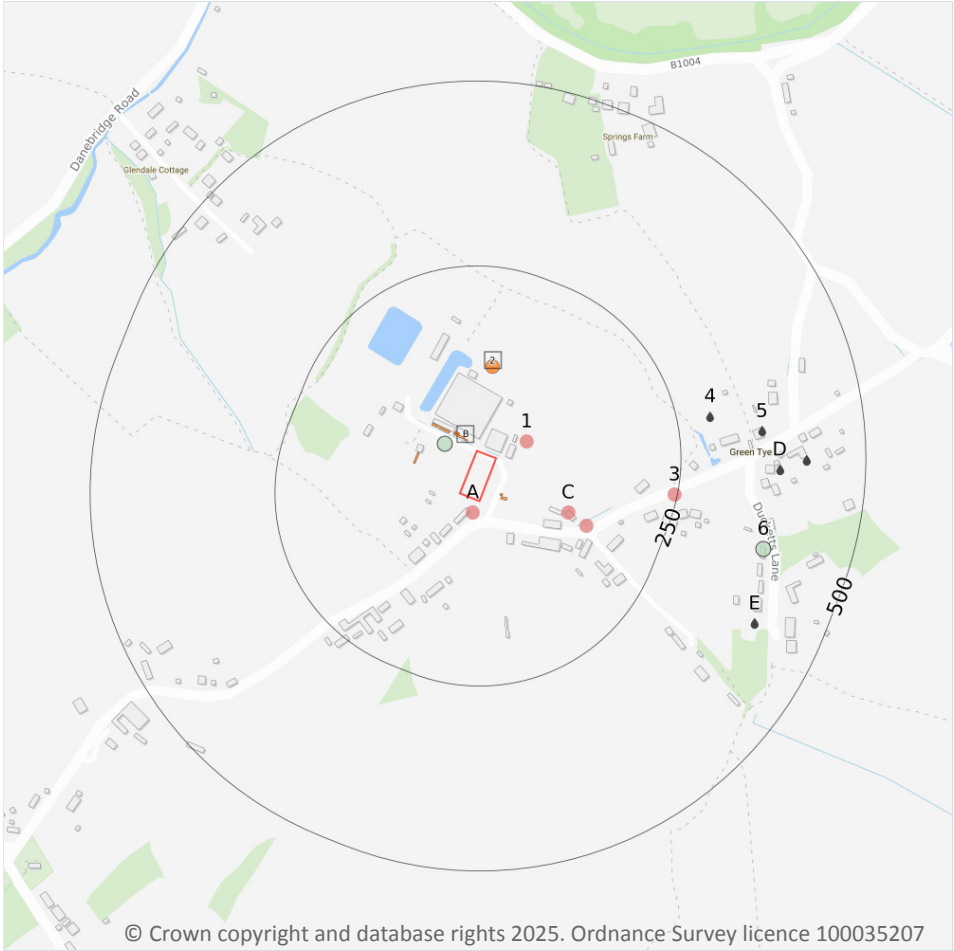


ID	Location	Site	Reference	Category	Sub-Category	Description
D	129m SE	Uffords Farm House Green Tye Much Hadham Hertfordshire Sg10 6jp	EPR/KH0171X X/A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
D	129m SE	Uffords Farm House Green Tye Much Hadham Hertfordshire Sg10 6jp	EPR/KH0171X X/A001	Treating waste exemption	Agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
E	401m E	8, Ducketts Lane, Much Hadham, Sg10 6jw	WEX167455	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	401m E	8, Ducketts Lane, Much Hadham, Sg10 6jw	WEX167455	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	401m E	8, Ducketts Lane, Much Hadham, Sg10 6jw	WEX167455	Treating waste exemption	Not on a farm	Recovery of textiles
E	401m E	8, Ducketts Lane, Much Hadham, Sg10 6jw	WEX167455	Using waste exemption	Not on a farm	Use of waste in construction
E	401m E	8, Ducketts Lane, Much Hadham, Sg10 6jw	WEX167455	Treating waste exemption	Not on a farm	Recovery of scrap metal
E	401m E	8, Ducketts Lane, Much Hadham, Sg10 6jw	WEX167455	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- NGD current or recent tanks
- ◆ Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m 5

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 29](#) >

ID	Location	Company	Address	Activity	Category
A	18m S	Electricity Sub Station	Hertfordshire, SG10	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
1	47m NE	The Nurseries, Green Tye - Anaerobic Digestion (BEIS)	The Vineries, Greentye, Much Hadham, Hertfordshire, SG10 6JJ	Energy Production	Industrial Features
C	117m E	Guy & Wright	The Vineries, Green Tye, Hertfordshire, SG10 6JJ	Fruit, Flower and Vegetable Growers	Farming
C	147m E	Pump	Hertfordshire, SG10	Water Pumping Stations	Industrial Features
3	246m E	Pump	Hertfordshire, SG10	Water Pumping Stations	Industrial Features

This data is sourced from Ordnance Survey.

4.2 National Geographic Database (NGD) - Current or recent tanks

Records within 250m	9
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Current or recent tanks identified from the Ordnance Survey NGD.

Features are displayed on the Current industrial land use map on [page 29 >](#)

ID	Location	Tank description	Activity	Date first identified
B	18m NW	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	18/12/2001
A	23m E	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	17/12/2001
B	24m NW	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	18/12/2001
A	25m E	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	17/12/2001
B	32m NW	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	09/08/2015
B	44m NW	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	18/12/2001
B	62m NW	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	18/12/2001
B	71m W	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	05/08/2018
2	107m N	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	05/08/2018

This data is sourced from Ordnance Survey.



4.3 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.

4.4 Electricity cables

Records within 500m	0
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High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m	0
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High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 Sites determined as Contaminated Land

Records within 500m	0
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Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.7 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.



4.8 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.

4.9 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.

4.10 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.

4.11 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

0

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

This data is sourced from Local Authority records.



4.13 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.

4.14 Licensed Discharges to controlled waters

Records within 500m
9

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 29 >](#)

ID	Location	Address	Details	
4	295m E	2 CHURCH LANE VILLAS, GREEN TYE, MU, 2 CHURCH LANE VILLAS, GREEN TYE, MUCH HADHAM, HERTS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTCU.1633 Permit Version: 1 Receiving Water: LONDON CLAYSTRATA	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 06/02/1984 Effective Date: 06/02/1984 Revocation Date: 01/10/1996
5	361m E	CHURCH LANE VILLA, GREEN TYE, MUCH HADHAM, WARE, HERTFORDSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTLU.0465 Permit Version: 1 Receiving Water: -	Status: TRANSFERRED FROM WRA 1963 Issue date: 23/09/1976 Effective Date: 23/09/1976 Revocation Date: -
D	384m E	BLACKSMITHS & ROSE COTTAGES, GREEN TYE, MUCH HADHAM, HERTS, SG10 6JH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CANM.0840 Permit Version: 1 Receiving Water: GROUNDWATER VIA SOAKAWAY	Status: NEW CONSENT, (WATER INDUSTRY ACT 1991, SECTION 166) Issue date: 16/11/2004 Effective Date: 16/11/2004 Revocation Date: 20/12/2012
D	384m E	BLACKSMITHS & ROSE COTTAGES, GREEN TYE, MUCH HADHAM, HERTS, SG10 6JH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CANM.0840 Permit Version: 2 Receiving Water: GROUNDWATER VIA SOAKAWAY	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -



ID	Location	Address	Details	
E	407m SE	DUCKETTS LANE, GREEN TYE, HERTS, SG, DUCKETTS LANE, GREEN TYE, HERTS, SG10 6JW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CLCR.0241 Permit Version: 1 Receiving Water: TRIB OF THEFIDDLERS BROOK	Status: REVOKED - UNSPECIFIED Issue date: 06/10/1976 Effective Date: 06/10/1976 Revocation Date: 12/03/1992
E	407m SE	COUNCIL HOUSE SEWAGE WORKS, DUCKETT, COUNCIL HOUSE SEWAGE WORKS, DUCK, ETTS LANE, GREEN TYE, HERTS, SG1, 0 6JW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CNTM.0162 Permit Version: 1 Receiving Water: TRIB OF THE FIDDLERS BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 13/03/1992 Effective Date: 13/03/1992 Revocation Date: 06/06/2006
E	407m SE	1-8 DUCKETTS LANE, 1-8 DUCKETTS LANE, GREEN TYE, MUCH HADHAM, HERTFORDSHIRE, SG10 6JW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CNTM.0162 Permit Version: 2 Receiving Water: TRIB OF THE FIDDLERS BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 07/06/2006 Effective Date: 07/06/2006 Revocation Date: -
D	419m E	2 BLACKSMITHS COTTAGE, GREEN TYE, MUCH HADHAM, HERTFORDSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTLU.0477 Permit Version: 1 Receiving Water: GROUNDWATER	Status: TRANSFERRED FROM WRA 1963 Issue date: 29/11/1976 Effective Date: 29/11/1976 Revocation Date: 20/12/2012
D	419m E	2 BLACKSMITHS COTTAGE, GREEN TYE, MUCH HADHAM, HERTFORDSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTLU.0477 Permit Version: 2 Receiving Water: GROUNDWATER	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -

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

4.15 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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



4.16 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

4.17 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.

4.18 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.

4.19 Pollution Incidents (EA/NRW)

Records within 500m

2

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 29 >](#)

ID	Location	Details	
B	44m W	Incident Date: 28/05/2002 Incident Identification: 81589 Pollutant: Oils and Fuel Pollutant Description: Other Oil or Fuel	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
6	381m E	Incident Date: 10/03/2003 Incident Identification: 142208 Pollutant: Sewage Materials Pollutant Description: Final Effluent	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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



4.20 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.

4.21 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.

4.22 Pollution inventory radioactive waste

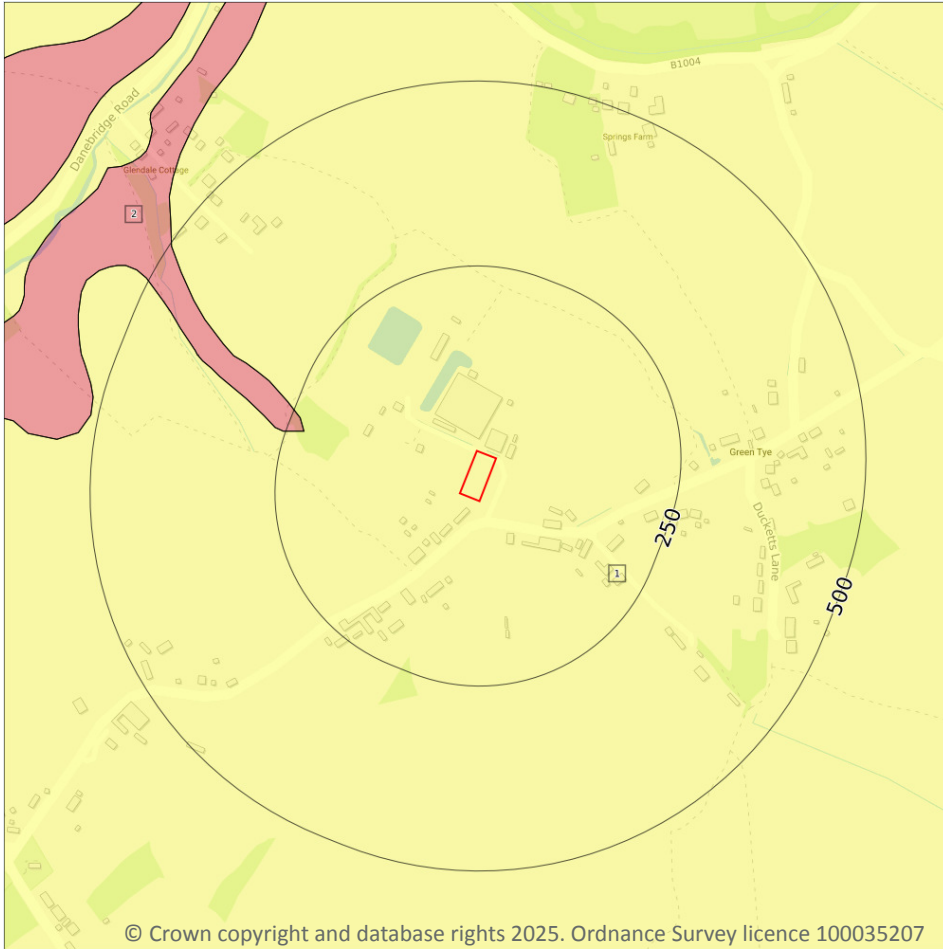
Records within 500m

0

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

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

5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

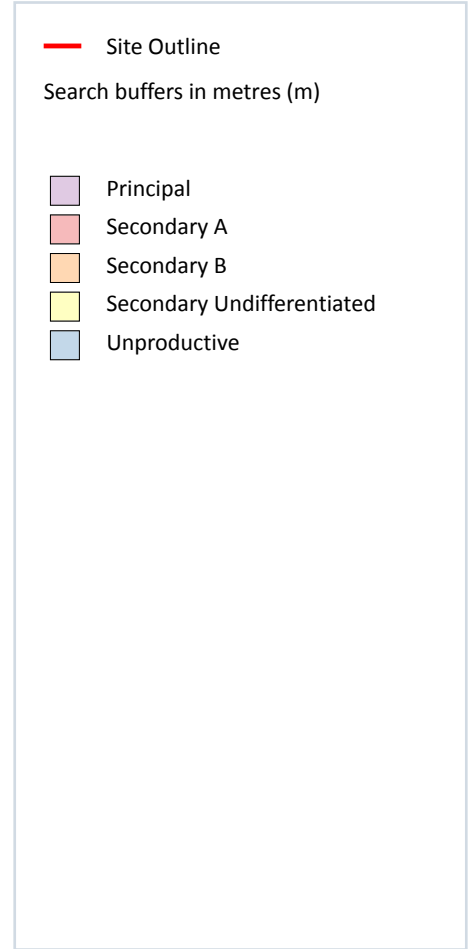
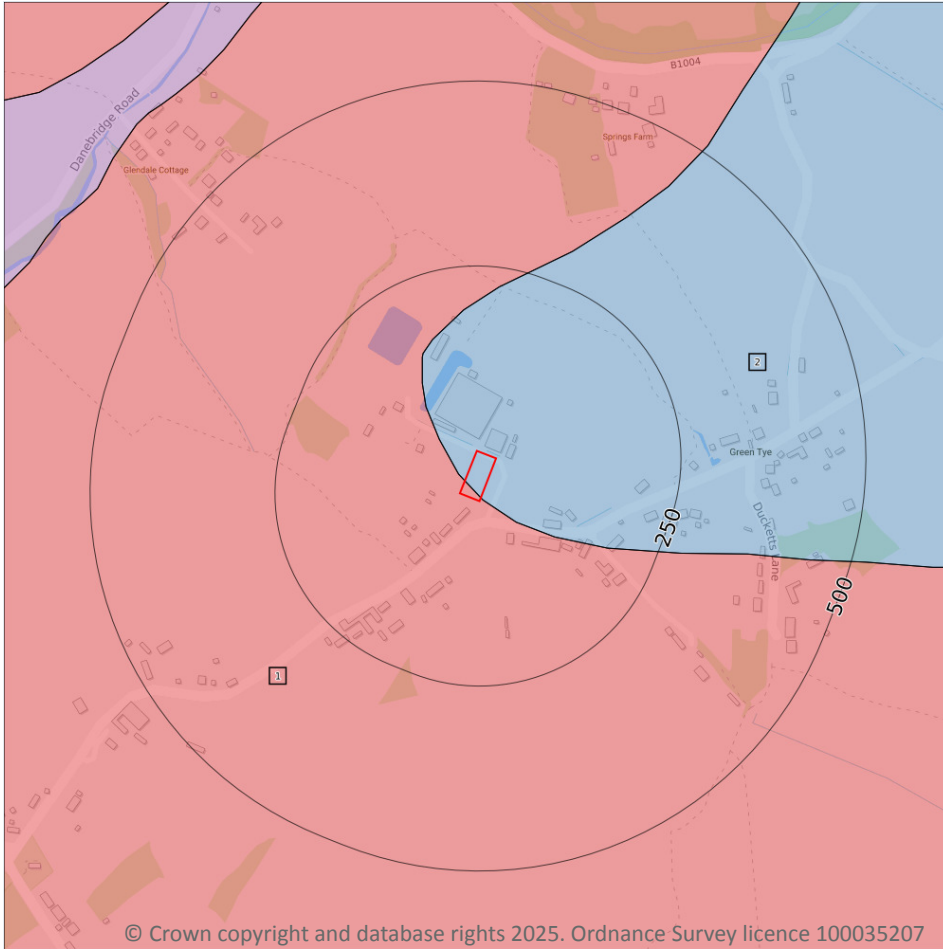
Features are displayed on the Hydrogeology map on [page 37](#) >

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	227m 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

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



Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

2

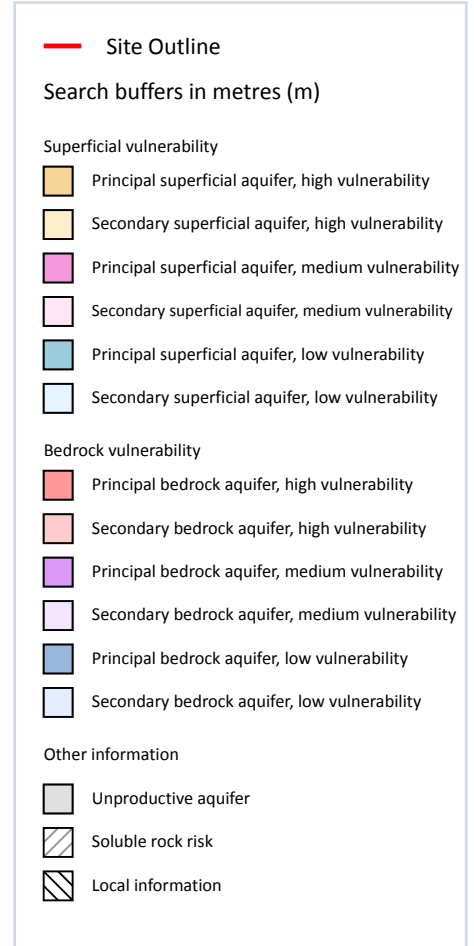
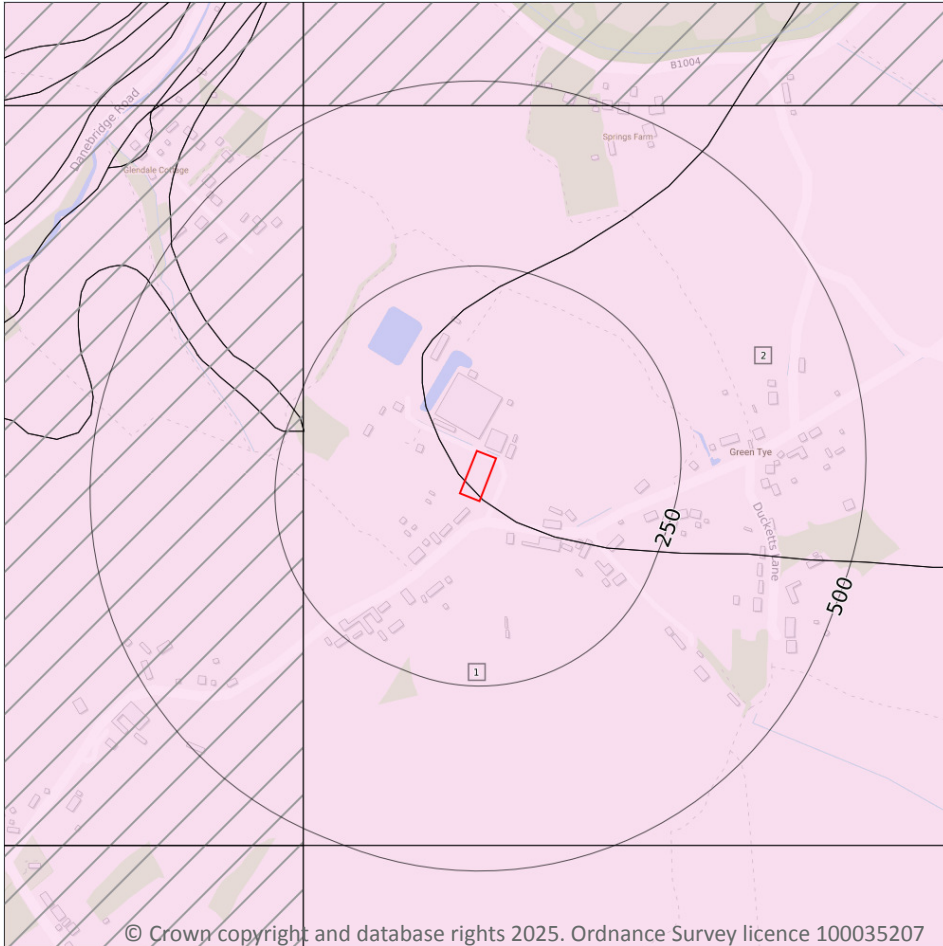
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer 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	On site	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.

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

2

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 40](#) >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Mixed
2	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Unproductive Aquifer type: Unproductive 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
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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.

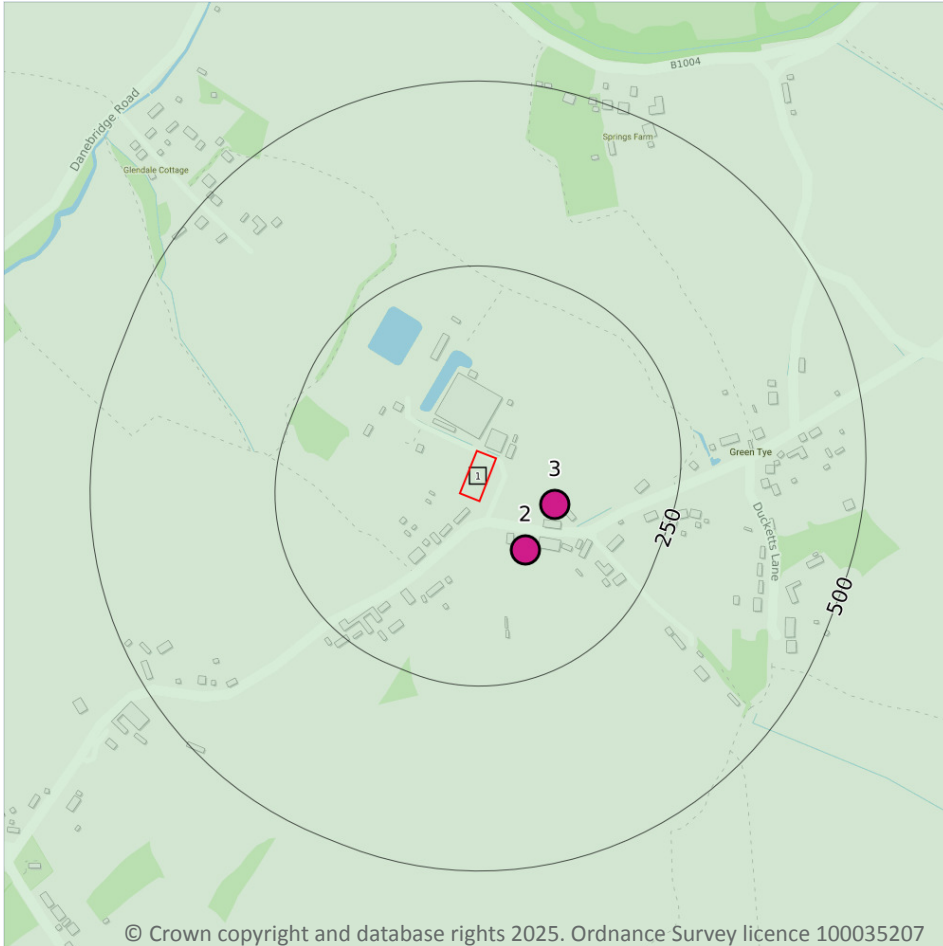
5.5 Groundwater vulnerability- local information

Records on site	0
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This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

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

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

7

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 42 >](#)

ID	Location	Details	
2	90m SE	Status: Historical Licence No: 29/38/05/0003 Details: Horticultural Watering Direct Source: THAMES GROUNDWATER Point: THE NURSERY, MUCH HADHAM - BOREHOLE Data Type: Point Name: GUY & WRIGHT LTD Easting: 544300 Northing: 218400	Annual Volume (m ³): 6819 Max Daily Volume (m ³): 68.19 Original Application No: - Original Start Date: 20/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
3	96m E	Status: Active Licence No: 29/38/05/0003 Details: Trickle Irrigation - Under Cover/Containers Direct Source: THAMES GROUNDWATER Point: THE NURSERIES, MUCH HADHAM Data Type: Point Name: GUY & WRIGHT LTD Easting: 544340 Northing: 218461	Annual Volume (m ³): 29685 Max Daily Volume (m ³): 160 Original Application No: NPS/WR/037128 Original Start Date: 20/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 21/03/2022 Version End Date: -
-	1200m E	Status: Historical Licence No: 29/38/06/0059 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: FULLING MILL, MUCH HADHAM - SPRING Data Type: Point Name: ASHWELL Easting: 545400 Northing: 218900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/04/1966 Version End Date: -
-	1774m S	Status: Active Licence No: TH/038/0006/003/R01 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: St Elizabeth's Centre Easting: 544049 Northing: 216702	Annual Volume (m ³): 10000 Max Daily Volume (m ³): 96 Original Application No: NPS/WR/030862 Original Start Date: 03/07/2018 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 01/04/2024 Version End Date: -



ID	Location	Details	
-	1774m S	Status: Historical Licence No: TH/038/0006/003 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: THE CONGREGATION OF THE DAUGHTERS OF THE CROSS OF LIEGE Easting: 544049 Northing: 216702	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 29/06/2010 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 29/06/2010 Version End Date: -
-	1774m S	Status: Historical Licence No: TH/038/0006/003/L Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: THE CONGREGATION OF THE DAUGHTERS OF THE CROSS OF LIEGE Easting: 544049 Northing: 216702	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 01/04/2018 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1775m S	Status: Historical Licence No: 29/38/06/0159 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: THE CONGREGATION OF THE DAUGHTERS OF THE CROSS OF LIEGE Easting: 544050 Northing: 216700	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 29/12/1999 Expiry Date: 31/12/2009 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	10
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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 42 >](#)



ID	Location	Details	
-	1075m N	Status: Historical Licence No: 29/38/05/0030 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GT HADHAM G C CRADLE END BROOK BETWEEN B& C Data Type: Line Name: GREAT HADHAM GOLF CLUB Easting: 544600 Northing: 220300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2003 Issue No: 100 Version Start Date: 15/09/1998 Version End Date: -
-	1081m N	Status: Historical Licence No: 29/38/05/0034 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GREAT HADHAM GOLF & COUNTRY CLUB POINTS 'C' AND 'D' Data Type: Line Name: ROEBIX LIMITED Easting: 544680 Northing: 220310	Annual Volume (m ³): 27000 Max Daily Volume (m ³): 900 Original Application No: - Original Start Date: 18/04/2005 Expiry Date: 31/03/2009 Issue No: 2 Version Start Date: 15/03/2007 Version End Date: -
-	1461m N	Status: Historical Licence No: 29/38/05/0025 Details: General Farming & Domestic Direct Source: THAMES SURFACE WATER - NON TIDAL Point: EXNALLS FARM, MUCH HADHAM - RIVER ASH Data Type: Point Name: STREETER Easting: 544350 Northing: 219990	Annual Volume (m ³): 629 Max Daily Volume (m ³): 70 Original Application No: - Original Start Date: 01/04/1991 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	1637m SW	Status: Active Licence No: 29/38/05/0026 Details: Fish Farm/Cress Pond Throughflow Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GINGERCRESS FARM, MUCH HADHAM - RIVER ASH Data Type: Point Name: JACKSON Easting: 542890 Northing: 217510	Annual Volume (m ³): 685200 Max Daily Volume (m ³): 3240 Original Application No: - Original Start Date: 01/04/1991 Expiry Date: - Issue No: 102 Version Start Date: 25/01/2008 Version End Date: -



ID	Location	Details	
-	1741m NE	Status: Historical Licence No: 29/38/05/0030 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GT HADHAM G C CRADLE END BROOK BETWEEN A & B Data Type: Line Name: GREAT HADHAM GOLF CLUB Easting: 545200 Northing: 220000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2003 Issue No: 100 Version Start Date: 15/09/1998 Version End Date: -
-	1786m N	Status: Historical Licence No: TH/038/0005/001 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: BURY GREEN BROOK Data Type: Point Name: ROEBIX LIMITED Easting: 544570 Northing: 220288	Annual Volume (m ³): 27000 Max Daily Volume (m ³): 900 Original Application No: - Original Start Date: 20/05/2011 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 20/05/2011 Version End Date: -
-	1827m NE	Status: Historical Licence No: 29/38/05/0034 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GREAT HADHAM GOLF & COUNTRY CLUB POINTS 'A' AND 'B' Data Type: Line Name: ROEBIX LIMITED Easting: 545200 Northing: 220090	Annual Volume (m ³): 27000 Max Daily Volume (m ³): 900 Original Application No: - Original Start Date: 18/04/2005 Expiry Date: 31/03/2009 Issue No: 2 Version Start Date: 15/03/2007 Version End Date: -
-	1827m NE	Status: Historical Licence No: 29/38/05/0034 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GREAT HADHAM GOLF & COUNTRY CLUB POINTS 'A' AND 'B' Data Type: Line Name: ROEBIX LIMITED Easting: 545200 Northing: 220090	Annual Volume (m ³): 27000 Max Daily Volume (m ³): 900 Original Application No: - Original Start Date: 18/04/2005 Expiry Date: 31/03/2009 Issue No: 2 Version Start Date: 15/03/2007 Version End Date: -



ID	Location	Details	
-	1843m N	Status: Historical Licence No: 29/38/05/0033 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: CRADLE END BROOK, BURY GREEN- REACH C TO D Data Type: Line Name: COLLINS BROTHERS Easting: 545760 Northing: 221760	Annual Volume (m ³): 200000 Max Daily Volume (m ³): 3600 Original Application No: - Original Start Date: 28/10/2003 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 28/10/2003 Version End Date: -
-	1845m N	Status: Historical Licence No: 29/38/05/0031 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: BURY GREEN, BISHOPS STORTFORD - CRADLE END BROOK Data Type: Line Name: COLLINS BROTHERS Easting: 545240 Northing: 220860	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/04/1998 Expiry Date: 31-Oct-03 Issue No: 100 Version Start Date: 23/04/1998 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

4

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 42 >](#)

ID	Location	Details	
-	1774m S	Status: Active Licence No: TH/038/0006/003/R01 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: St Elizabeth's Centre Easting: 544049 Northing: 216702	Annual Volume (m ³): 10000 Max Daily Volume (m ³): 96 Original Application No: NPS/WR/030862 Original Start Date: 03/07/2018 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 01/04/2024 Version End Date: -



ID	Location	Details	
-	1774m S	Status: Historical Licence No: TH/038/0006/003 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: THE CONGREGATION OF THE DAUGHTERS OF THE CROSS OF LIEGE Easting: 544049 Northing: 216702	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 29/06/2010 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 29/06/2010 Version End Date: -
-	1774m S	Status: Historical Licence No: TH/038/0006/003/L Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: THE CONGREGATION OF THE DAUGHTERS OF THE CROSS OF LIEGE Easting: 544049 Northing: 216702	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 01/04/2018 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1775m S	Status: Historical Licence No: 29/38/06/0159 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: THE CONGREGATION OF THE DAUGHTERS OF THE CROSS OF LIEGE Easting: 544050 Northing: 216700	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 29/12/1999 Expiry Date: 31/12/2009 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	1
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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 42 >](#)



ID	Location	Type	Description
1	On site	3	Total catchment

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

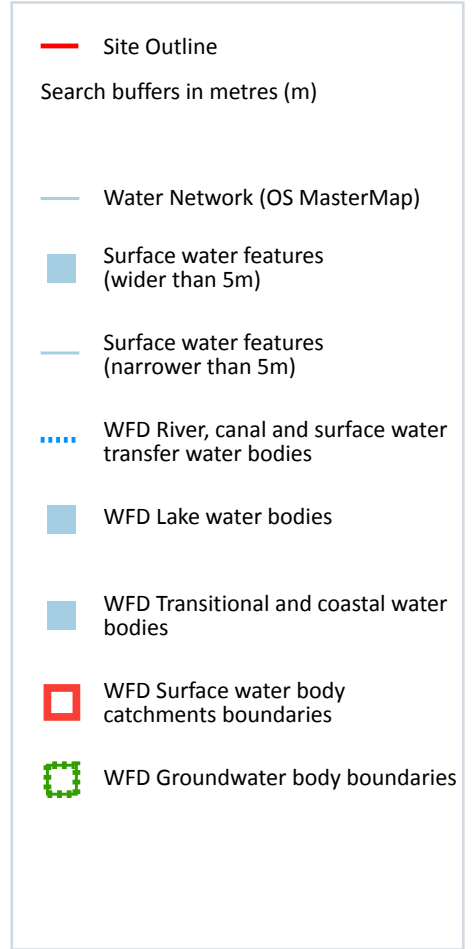
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0
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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.

6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m

12

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

Features are displayed on the Hydrology map on [page 50](#) >

ID	Location	Type of water feature	Ground level	Permanence	Name
A	5m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	5m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	5m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	6m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	6m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	10m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	12m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	18m E	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	73m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	75m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	136m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	169m E	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.



6.2 Surface water features

Records within 250m

6

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

Features are displayed on the Hydrology map on [page 50 >](#)

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

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

Features are displayed on the Hydrology map on [page 50 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Ash (from Meesden to confluence with Bury Green Brook)	GB106038040100	Lee Upper	Lee Upper

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

6.4 WFD Surface water bodies

Records identified

1

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

Features are displayed on the Hydrology map on [page 50 >](#)



ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	639m NW	River	Ash (from Meesden to confluence with Bury Green Brook)	GB106038040100 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

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

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

Features are displayed on the Hydrology map on [page 50](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	North Mymms Tertiaries	GB40602G401200 ↗	Good	Good	Good	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

0

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

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



8 Surface water flooding

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

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

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

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

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

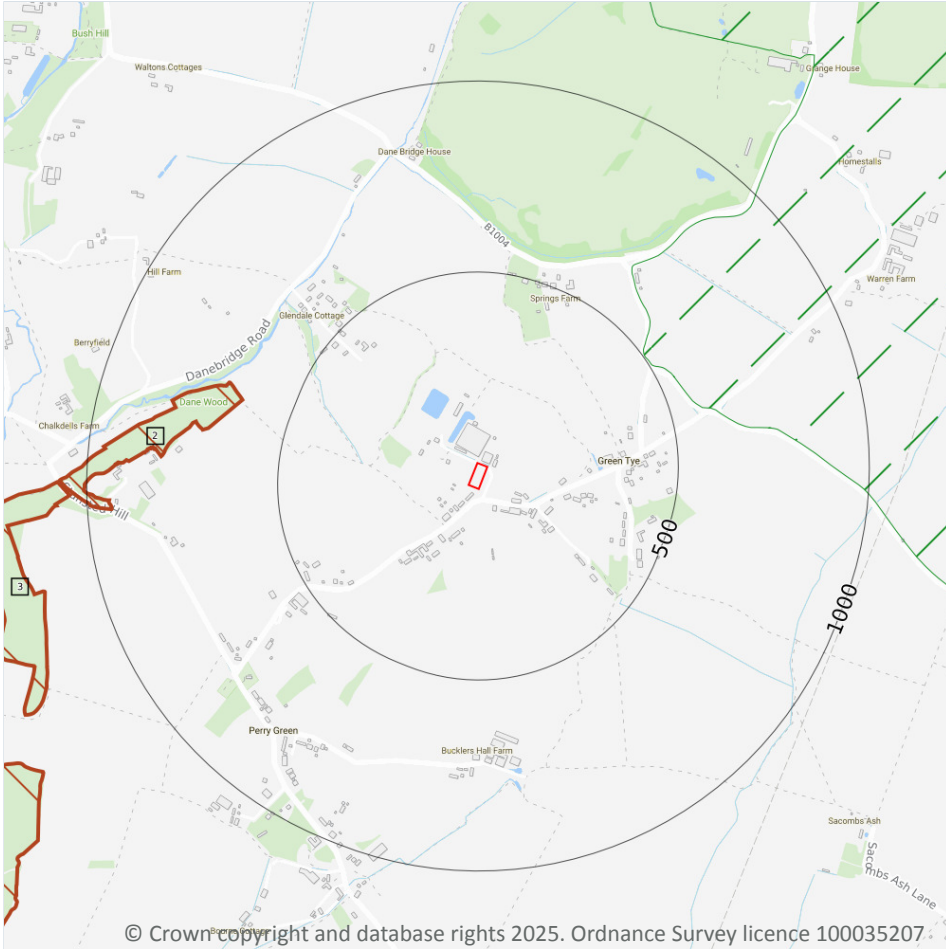
Low

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

Features are displayed on the Groundwater flooding map on [page 58 >](#)

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

6

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 59 >](#)

ID	Location	Name	Woodland Type
2	633m W	Sidehill Wood	Ancient & Semi-Natural Woodland
3	1044m W	Sidehill Wood	Ancient & Semi-Natural Woodland
-	1340m E	Mathams Wood	Ancient & Semi-Natural Woodland
5	1344m SW	Unknown	Ancient & Semi-Natural Woodland
-	1681m NE	Unknown	Ancient Replanted Woodland
-	1718m NE	Unknown	Ancient Replanted Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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



10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 59 >](#)

ID	Location	Name	Local Authority name
1	504m NE	London Green Belt	East Hertfordshire

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

2

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

Location	Name	Type	NVZ ID	Status
On site	LEE NVZ	Surface Water	443	Existing



Location	Name	Type	NVZ ID	Status
120m W	LEE NVZ	Surface Water	443	Existing

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



SSSI Impact Zones and Units

10.17 SSSI Impact Risk Zones

Records on site

0

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.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

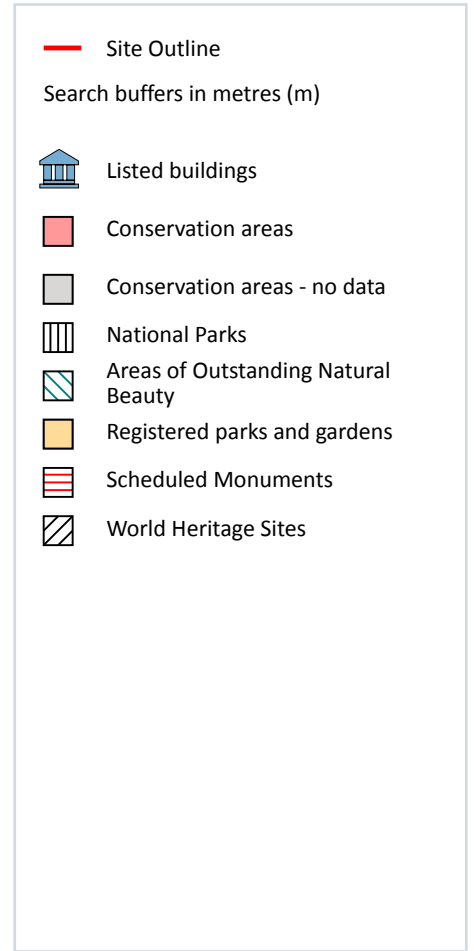
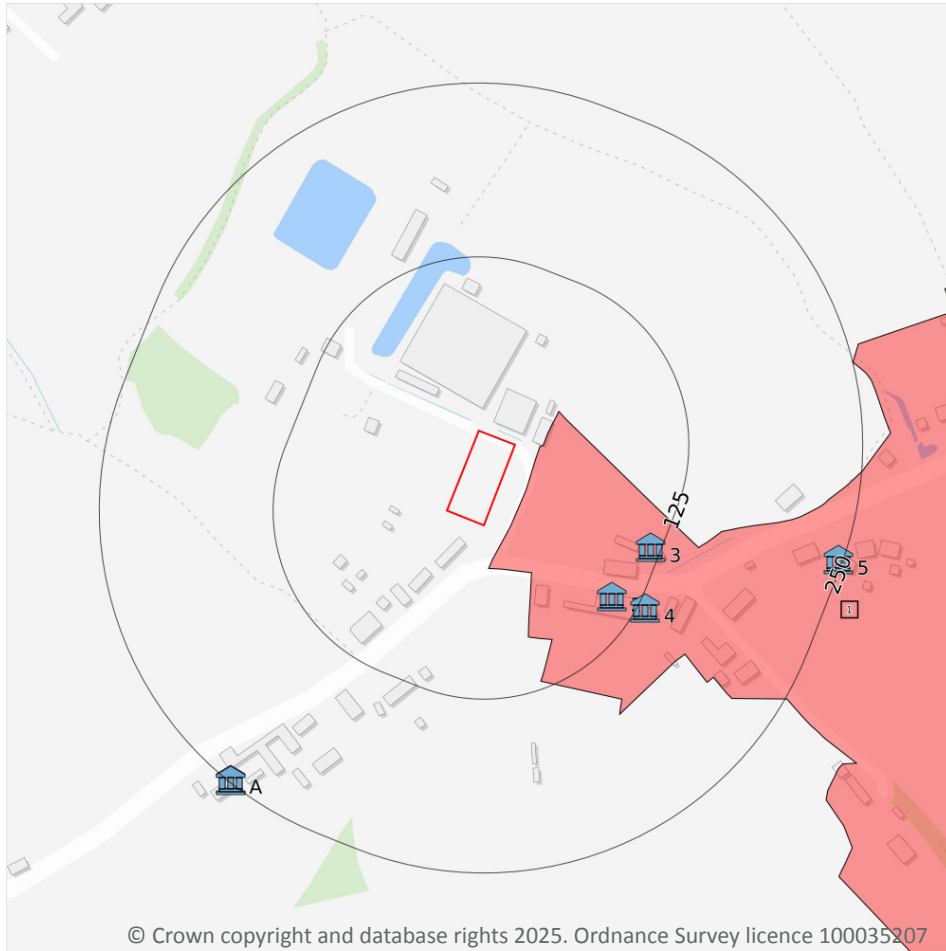
0

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

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



11 Visual and cultural designations



11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

6

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

Features are displayed on the Visual and cultural designations map on [page 66 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
2	105m SE	Hoplands House	II	1212384	30/04/1985
3	117m E	The Vineries	II	1212385	01/06/1984
4	130m SE	Tumbledown Dicks	II	1289536	22/02/1967
5	246m E	Croft Cottage	II	1212383	30/04/1985
A	248m SW	Barn At Grudds Farmhouse	II	1212438	30/04/1985
A	249m SW	Grudds Farmhouse	II	1289537	22/02/1967



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

11.5 Conservation Areas

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on [page 66 >](#)

ID	Location	Name	District	Date of designation
1	17m SE	Green Tye	East Hertfordshire	26/02/1981

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

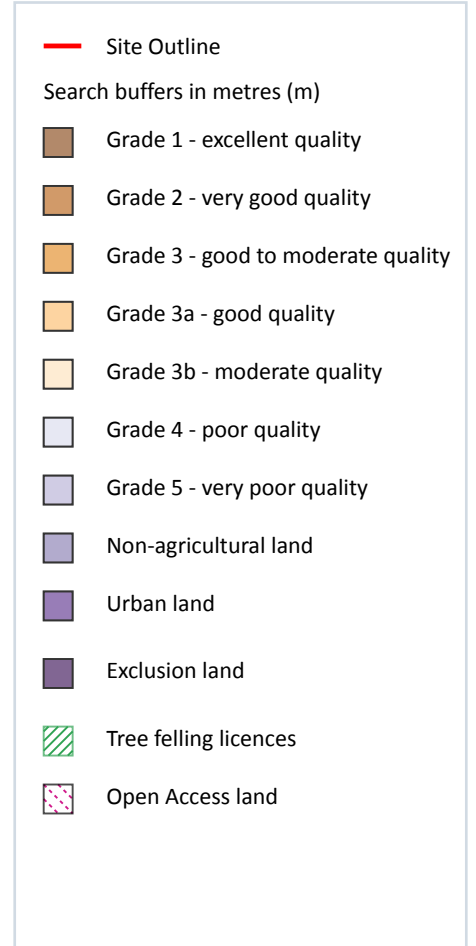
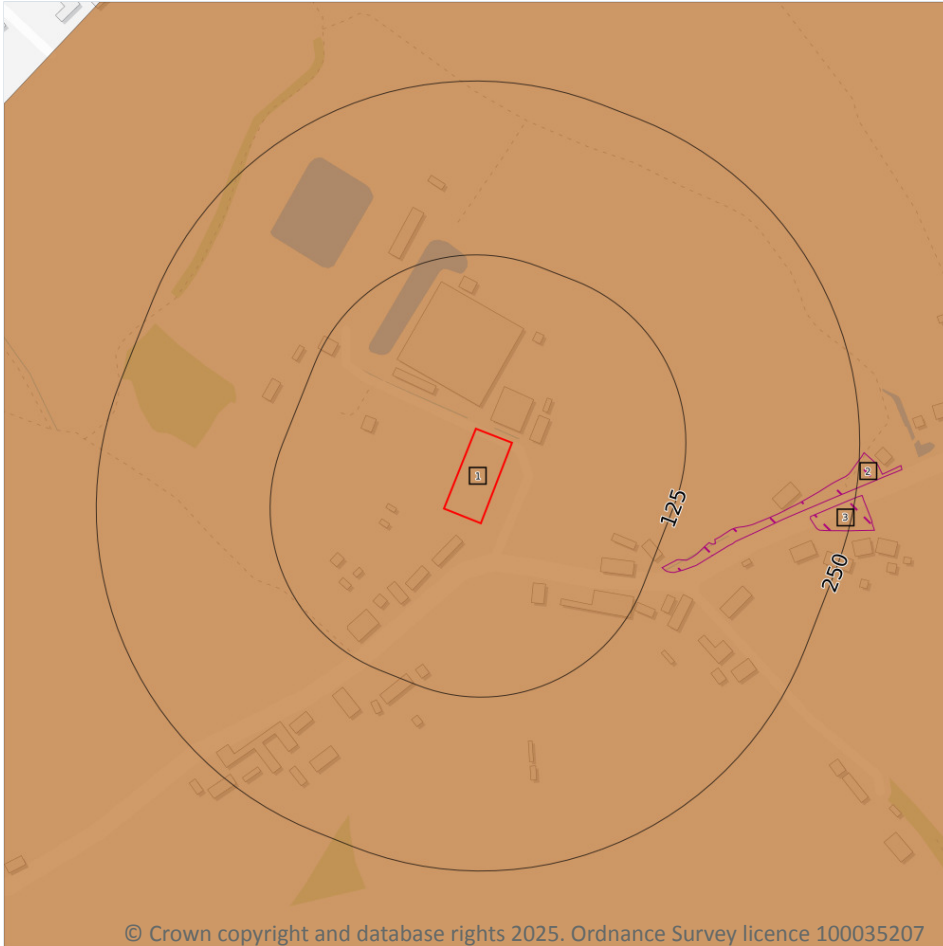
0

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

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



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

1

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

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

ID	Location	Classification	Description
1	On site	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.

This data is sourced from Natural England.

12.2 Open Access Land

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

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 69 >](#)

ID	Location	Name	Classification	Other relevant legislation
2	133m E	Green Tye	Section 4 Conclusive Registered Common Land	-
3	221m E	Green Tye	Section 4 Conclusive Registered Common Land	-

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

12.3 Tree Felling Licences

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

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

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

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

This data is sourced from Natural England.



12.5 Countryside Stewardship Schemes

Records within 250m**4**

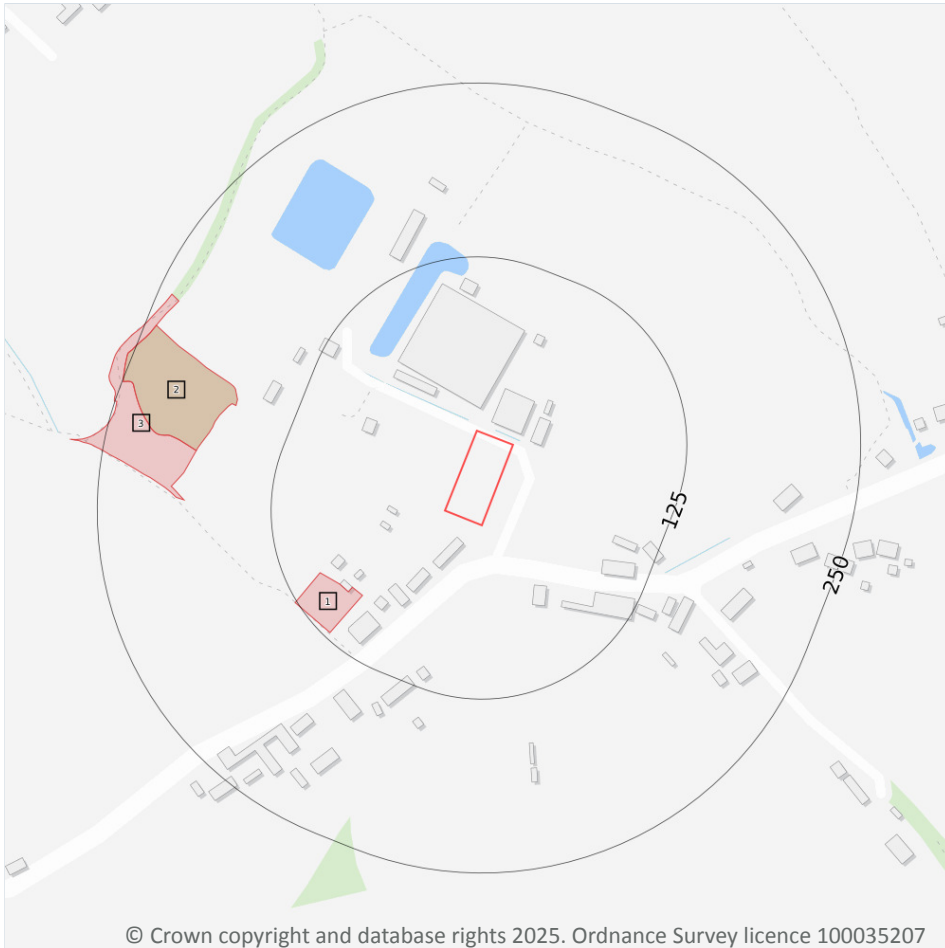
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	1086241	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
33m S	1086241	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
190m SW	1461928	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
237m S	1461928	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027

This data is sourced from Natural England.



13 Habitat designations



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- Site Outline
- Search buffers in metres (m)
- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders
- Habitat Networks
- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m

3

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 72 >](#)

ID	Location	Main Habitat	Other habitats
1	85m SW	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
2	168m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	184m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.



13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

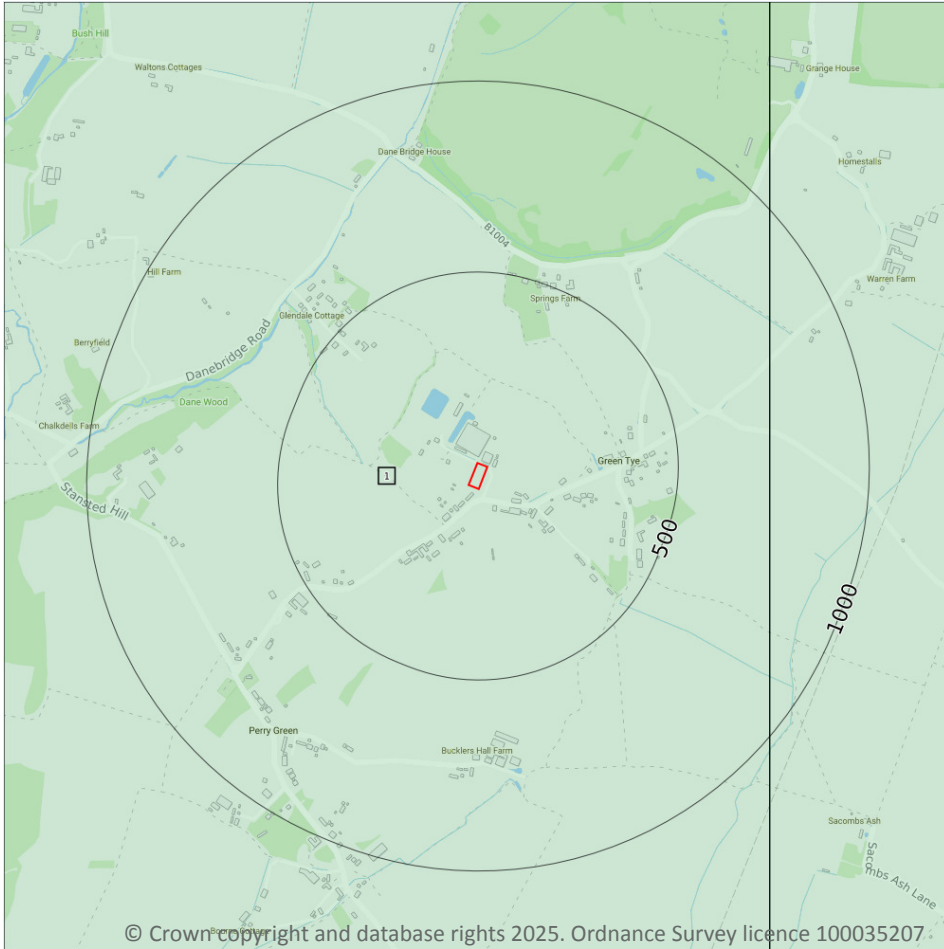
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
 Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 74 >](#)

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	TL41NW

This data is sourced from the British Geological Survey.

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

14.2 Artificial and made ground (10k)

Records within 500m

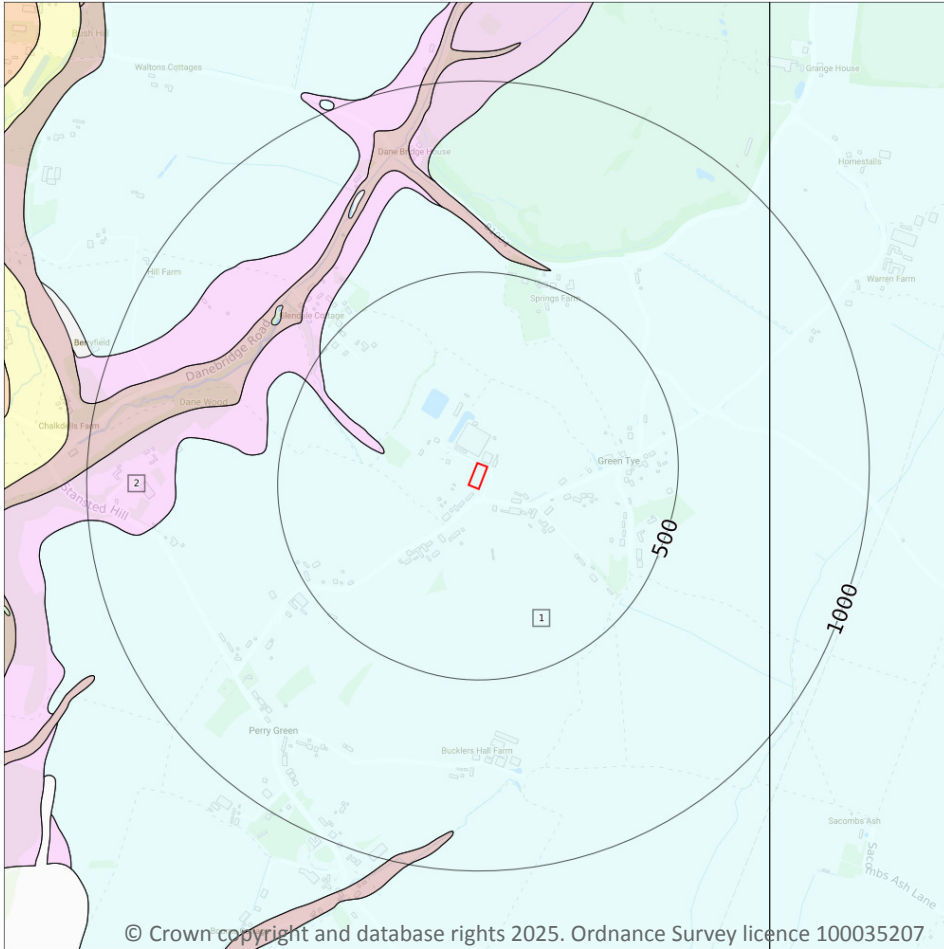
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



— 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 76 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	LOFT-DMTN	Lowestoft Formation-Diamicton	Diamicton
2	237m W	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene-Sand And Gravel	Sand and gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

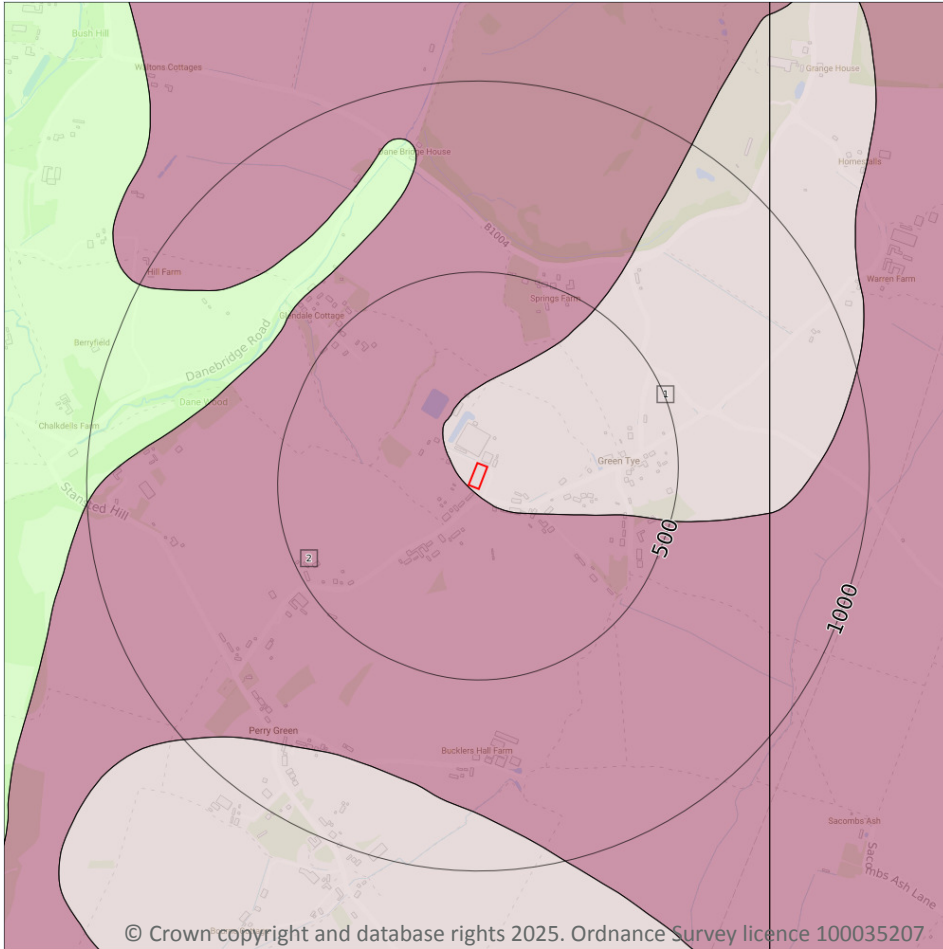
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



- 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

2

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 78 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	LC-XCZS	London Clay Formation-Clay, Silt And Sand	Ypresian
2	4m SW	TALM-XCZS	Thanet Formation And Lambeth Group (Undifferentiated)-Clay, Silt And Sand	Not Defined

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

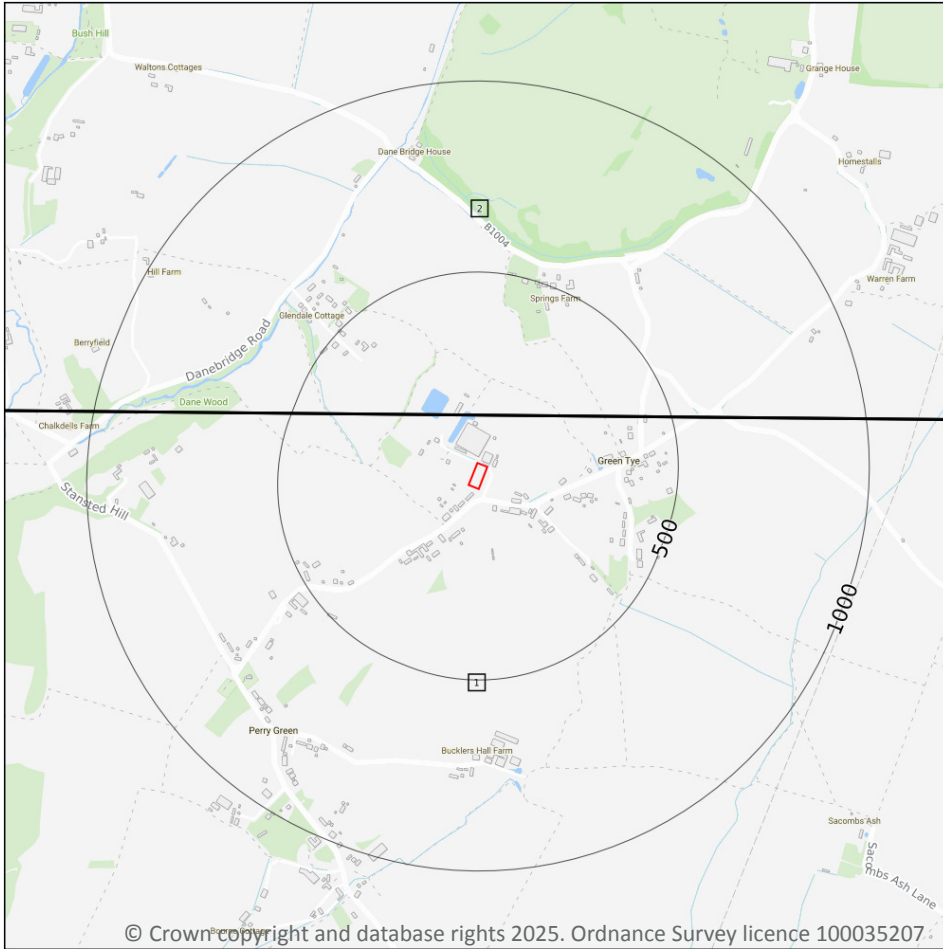
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Geological map tile

15.1 50k Availability

Records within 500m

2

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 80](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW240_epping_v4
2	126m N	Full	Full	Full	No coverage	EW222_great_dunmow_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

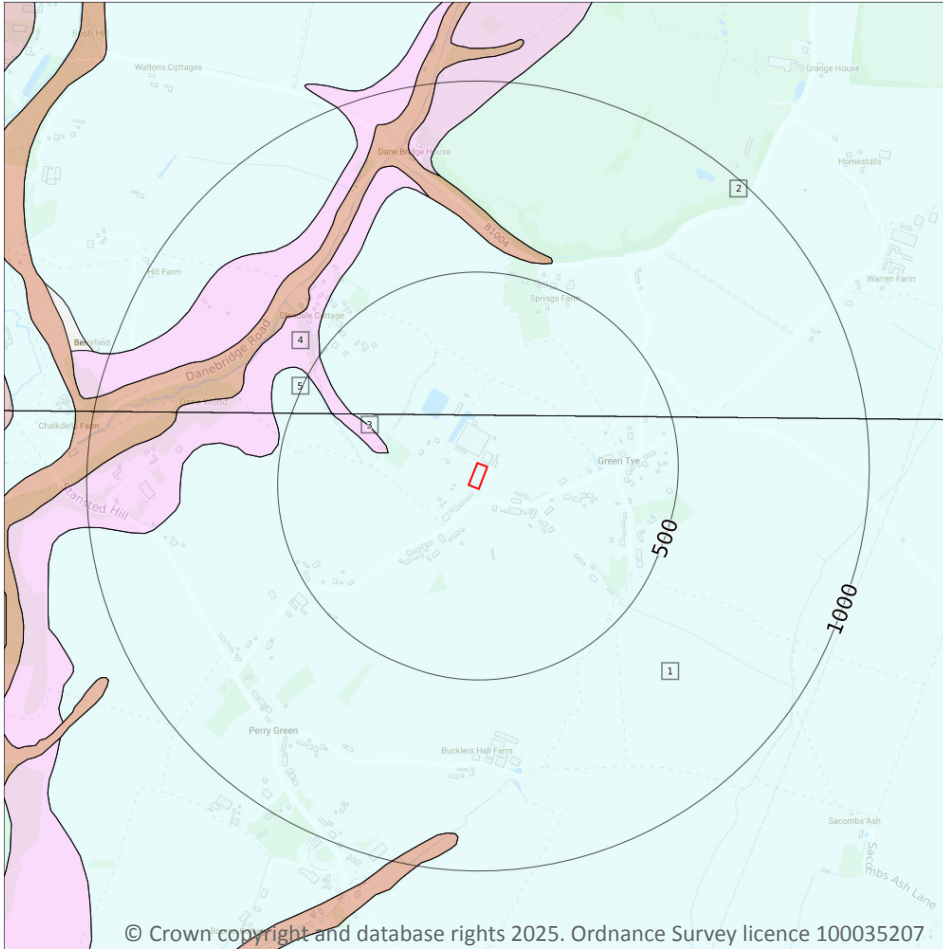
0


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

This data is sourced from the British Geological Survey.



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

5

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 82](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	LOFT-DMTN	Lowestoft Formation	Diamicton
2	126m N	LOFT-DMTN	Lowestoft Formation	Diamicton
3	227m W	GFDMP-XSV	Glaciofluvial deposits, Mid Pleistocene	Sand and gravel
4	353m W	GFDMP-XSV	Glaciofluvial deposits, Mid Pleistocene	Sand and gravel



ID	Location	LEX Code	Description	Rock description
5	402m W	LOFT-DMTN	Lowestoft Formation	Diamicton

This data is sourced from the British Geological Survey.

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	Mixed	Moderate	Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

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

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

This data is sourced from the British Geological Survey.

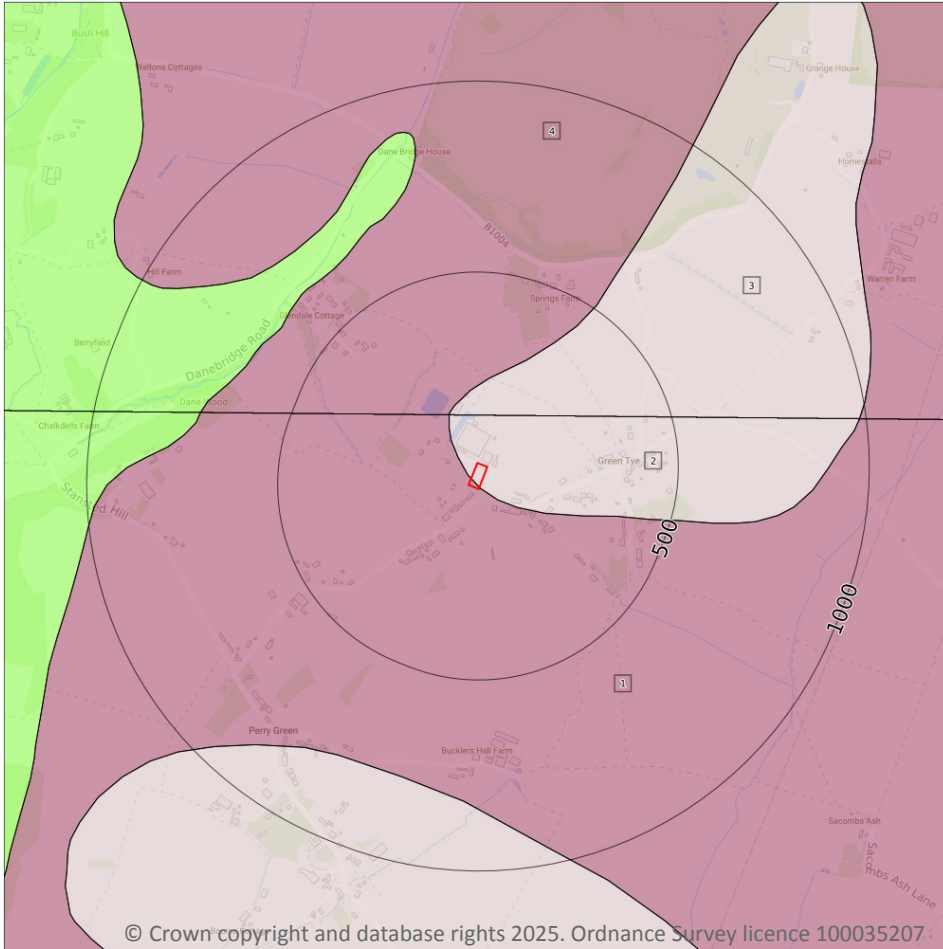
15.7 Landslip permeability (50k)

Records within 50m	0
---------------------------	----------

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



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

15.8 Bedrock geology (50k)

Records within 500m

4

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 84](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	TALM-XCZS	Thanet Formation And Lambeth Group (Undifferentiated)- Clay, silt and sand	Not Defined
2	On site	LC-XCZS	London Clay Formation-Clay, silt and sand	Ypresian
3	126m N	LC-XCZS	London Clay Formation-Clay, silt and sand	Ypresian

ID	Location	LEX Code	Description	Rock age
4	147m NW	TALM-XCZS	Thanet Formation And Lambeth Group (Undifferentiated)- Clay, silt and sand	Not Defined

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

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

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

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

This data is sourced from the British Geological Survey.

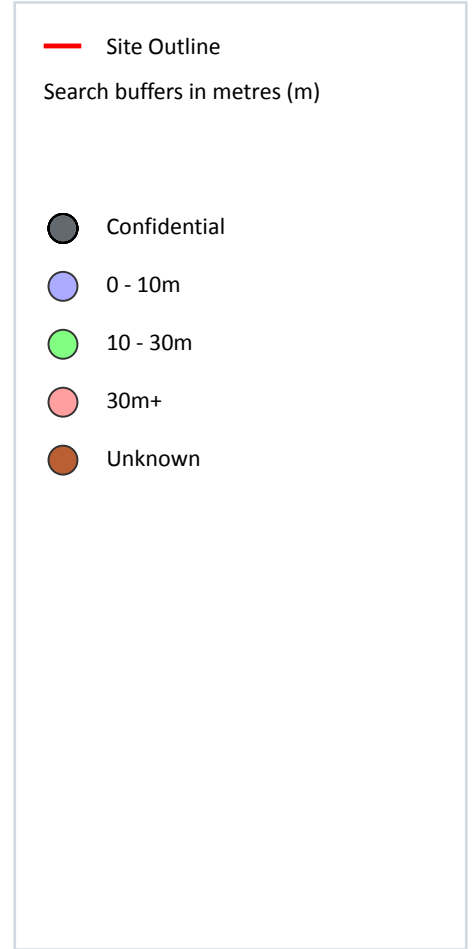
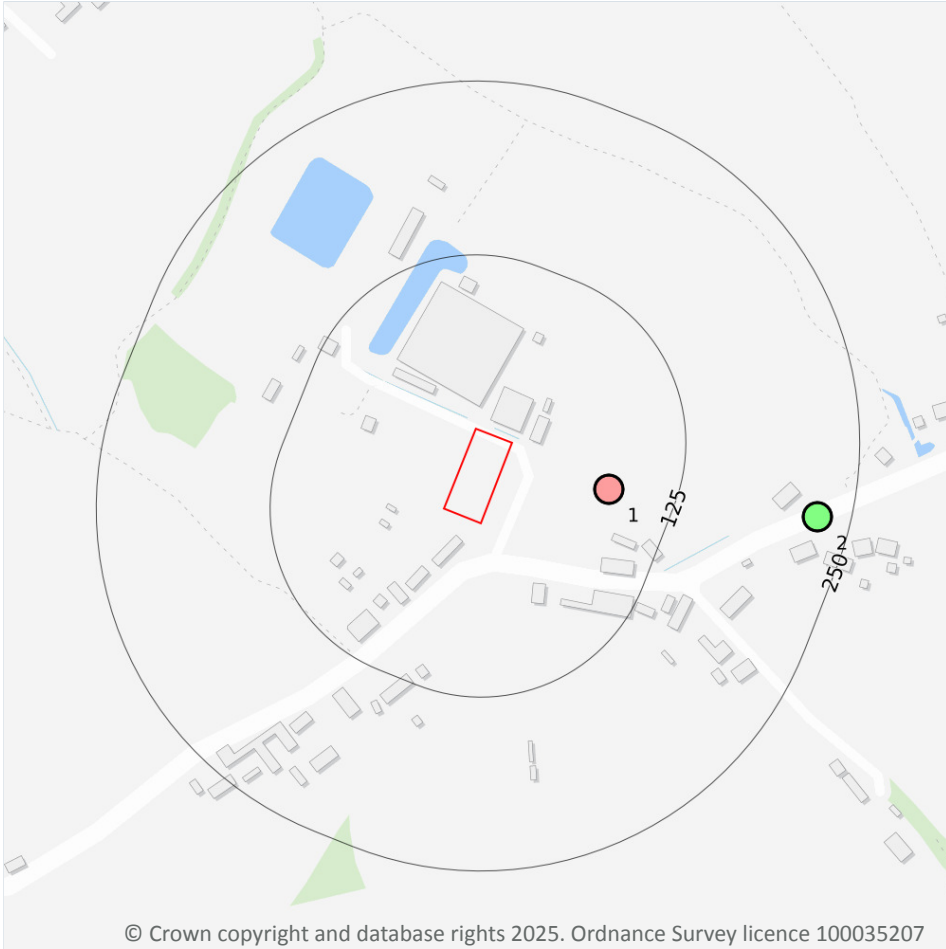
15.10 Bedrock faults and other linear features (50k)

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.

16 Boreholes



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16.1 BGS Boreholes

Records within 250m

2

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

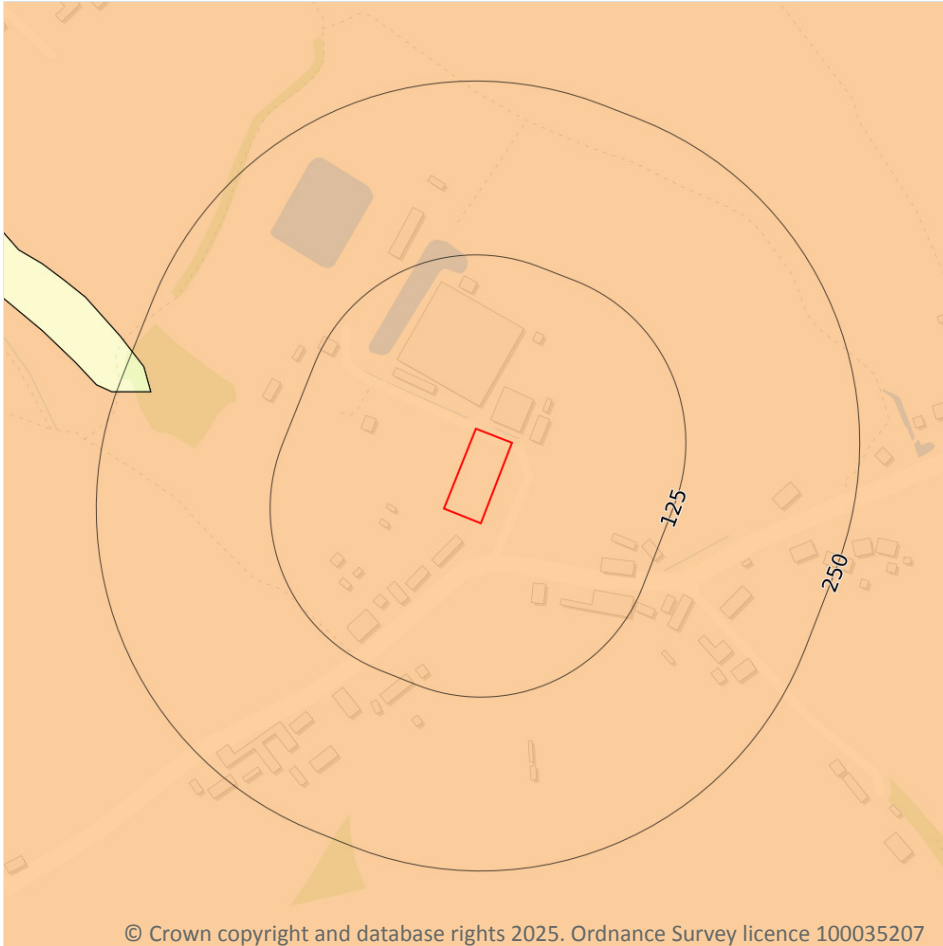
Features are displayed on the Boreholes map on [page 86](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	77m E	544330 218490	THE VINERIES, GREEN TYE	76.2	N	540157 ↗
2	226m E	544480 218470	PUBLIC WELL, GREEN TYE	27.12	N	540156 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



— Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

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17.1 Shrink swell clays

Records within 50m

1

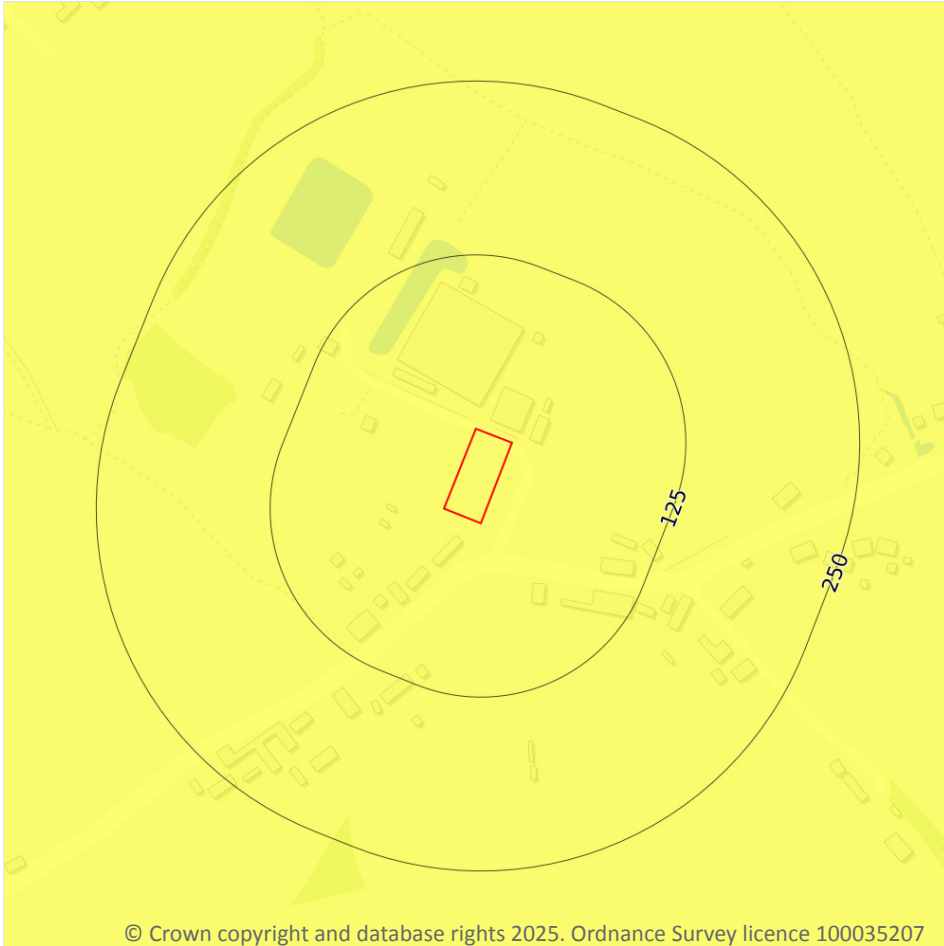
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 87 >](#)

Location	Hazard rating	Details
On site	Low	Ground conditions predominantly medium plasticity.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



— Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

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17.2 Running sands

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Running sands map on [page 88 >](#)

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



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17.3 Compressible deposits

Records within 50m

1

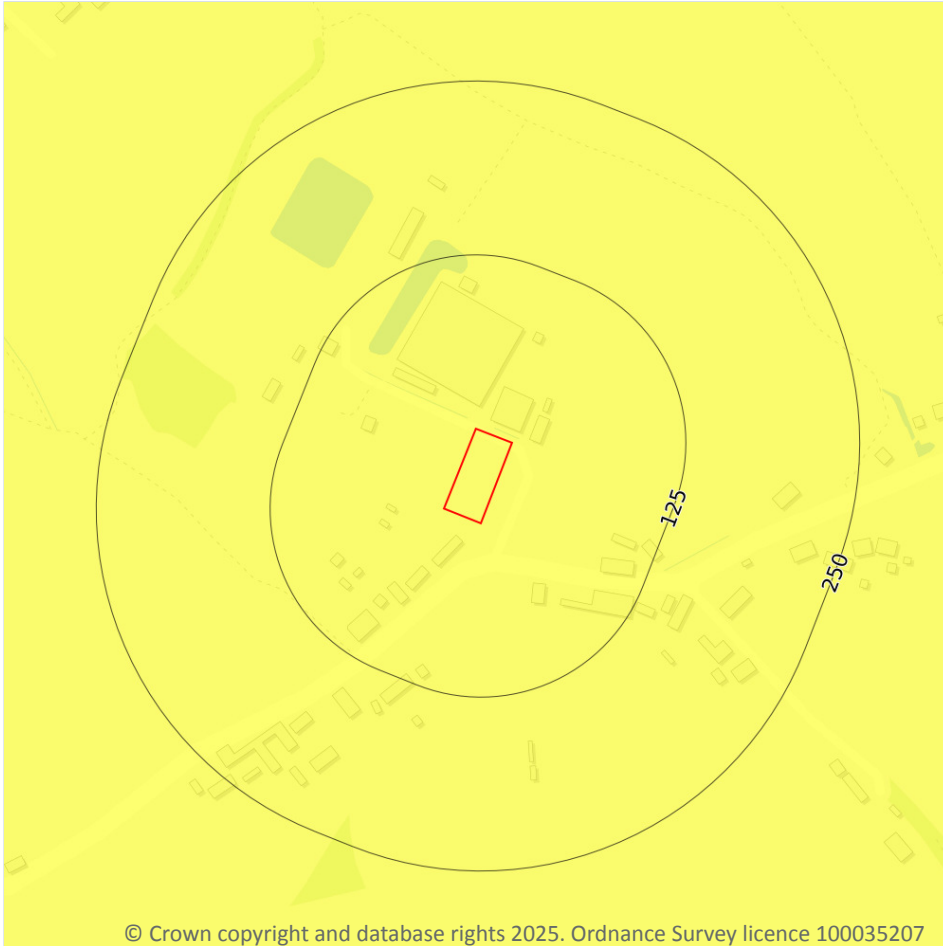
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 89 >](#)

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



— Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.4 Collapsible deposits

Records within 50m

1

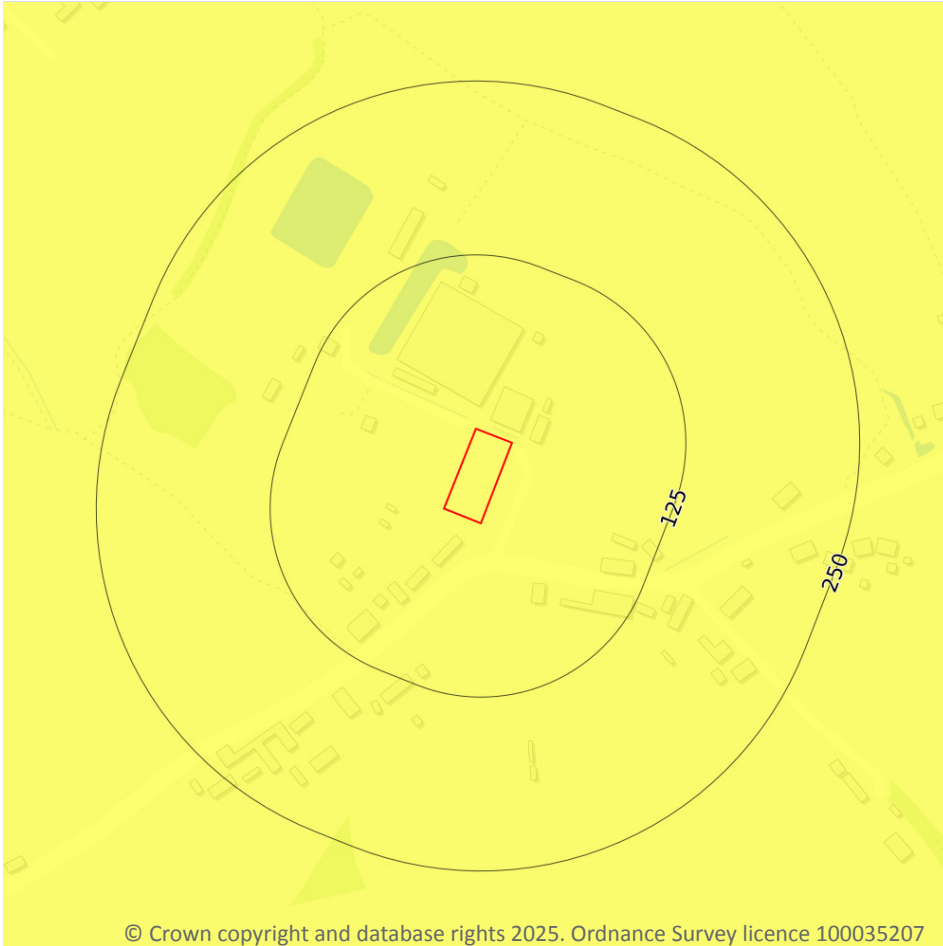
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 90 >](#)

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



— Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.5 Landslides

Records within 50m

1

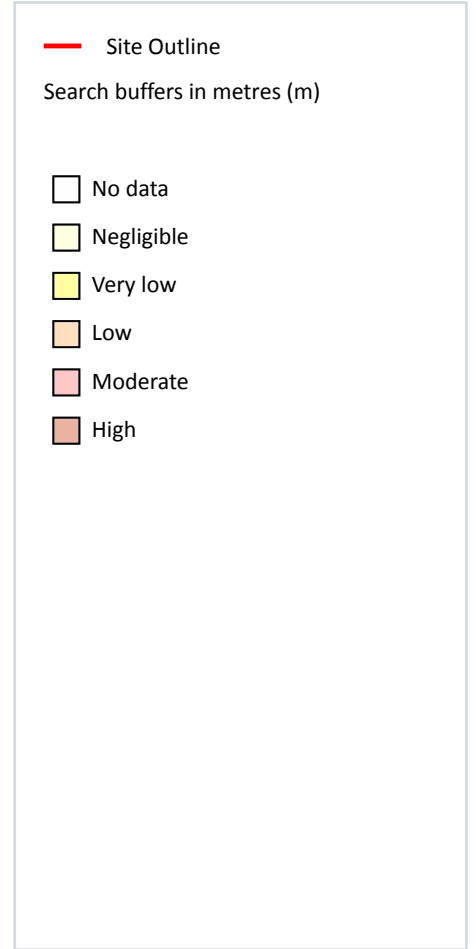
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on [page 91](#) >

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.

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.

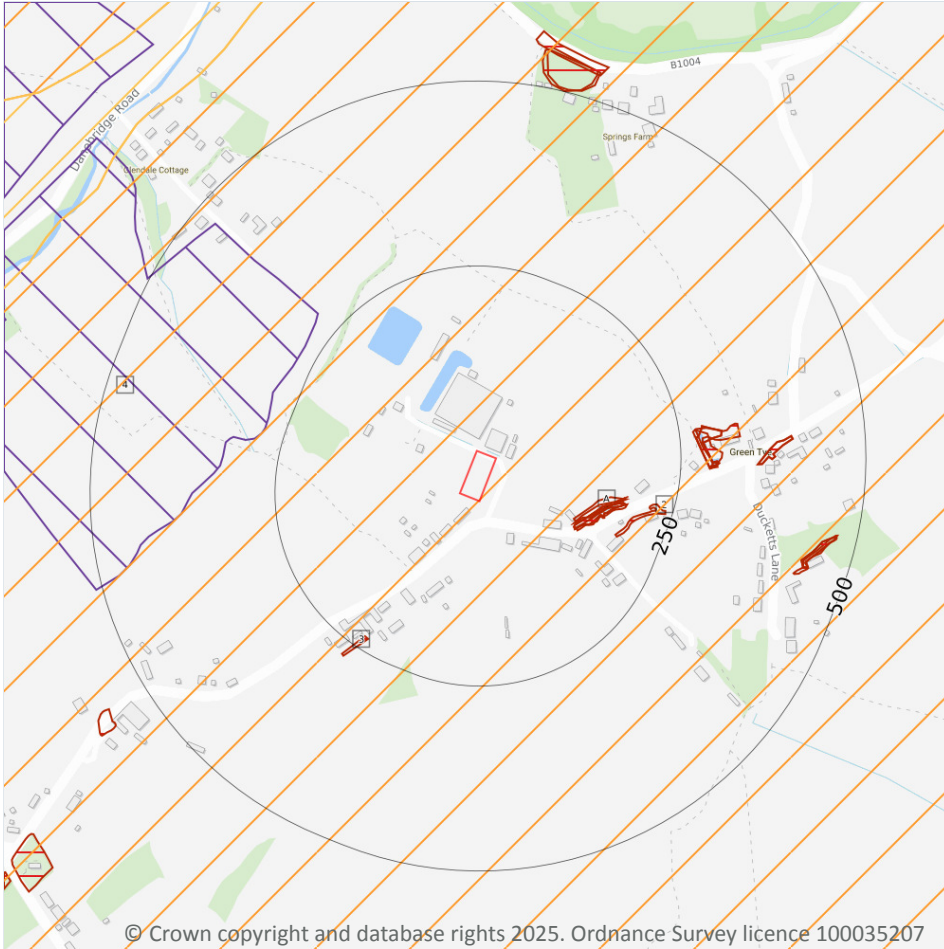
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 92](#)

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.

This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

8

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

Features are displayed on the Mining and ground workings map on [page 94](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	128m E	Pond	1980	1:10000
A	130m E	Pond	1951	1:10560
A	132m E	Pond	1947	1:10560
A	132m E	Pond	1922	1:10560
A	132m E	Pond	1896	1:10560
A	135m E	Pond	1883	1:10560
2	188m E	Pond	1883	1:10560
3	232m SW	Ponds	1883	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

1

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.

Features are displayed on the Mining and ground workings map on [page 94 >](#)

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
4	272m NW	Little Hill	Sand and gravel	Surface mineral working	Refused	03/01/57

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

3

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

Features are displayed on the Mining and ground workings map on [page 94 >](#)

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Chalk	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.
6	623m NW	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	739m E	Not available	Chalk	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.

This data is sourced from the British Geological Survey.



18.7 JPB mining areas

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

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

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

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

This data is sourced from The Coal Authority.

18.9 Researched mining

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

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

This data is sourced from Groundsure.

18.10 Mining record office plans

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

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

This data is sourced from Groundsure.



18.11 BGS mine plans

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

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

This data is sourced from Groundsure.

18.12 Coal mining

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

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

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

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

18.14 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site

0

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

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



19 Ground cavities and sinkholes

19.1 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.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

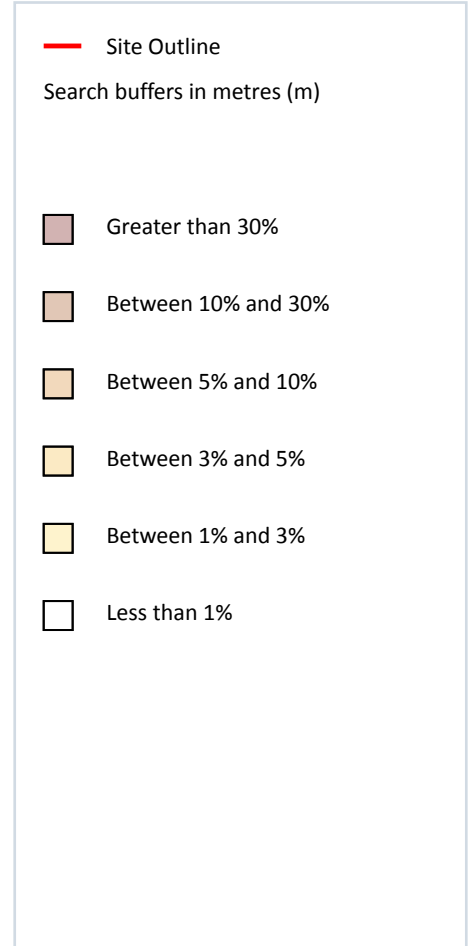
Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 102 >](#)

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

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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

4

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 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
9m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



21.3 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.



22 Railway infrastructure and projects

22.1 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.

22.2 Underground railways (Non-London)

Records within 250m 0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m 0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m 0

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

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m 0

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



This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m **0**

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m **0**

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m **0**

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m **0**

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

This data is sourced from HS2 Ltd.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.



Guy & Wright, Green Tye, Much Hadham

Order Details

Date: 02/12/2025
Your ref: PO WE-3371
Our Ref: GS-Z7U-678-PZ4-6NA

Site Details

Location: 544173 218659
Area: 4.81 ha
Authority: [East Hertfordshire District Council](#) ↗



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[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.14 >](#)

[Insight User Guide](#) ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	2	1	1	3	-
16 >	1.2 >	Historical tanks >	2	1	6	0	-
17 >	1.3 >	Historical energy features >	0	0	1	0	-
17 >	1.4 >	Historical petrol stations >	0	0	1	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 >	2.1 >	Historical industrial land uses >	2	2	2	4	-
20 >	2.2 >	Historical tanks >	2	1	8	0	-
21 >	2.3 >	Historical energy features >	0	0	2	0	-
21 >	2.4 >	Historical petrol stations >	0	0	1	0	-
21	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
22	3.1	Active or recent landfill	0	0	0	0	-
22	3.2	Historical landfill (BGS records)	0	0	0	0	-
23	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
23	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
23	3.5	Historical waste sites	0	0	0	0	-
23 >	3.6 >	Licensed waste sites >	0	0	3	0	-
24 >	3.7 >	Waste exemptions >	9	9	42	8	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
30 >	4.1 >	Recent industrial land uses >	0	1	4	-	-
31 >	4.2 >	National Geographic Database (NGD) - Current or recent tanks >	6	2	3	-	-
32	4.3	Current or recent petrol stations	0	0	0	0	-
32	4.4	Electricity cables	0	0	0	0	-
32	4.5	Gas pipelines	0	0	0	0	-



32	4.6	Sites determined as Contaminated Land	0	0	0	0	-
32	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
33	4.8	Regulated explosive sites	0	0	0	0	-
33	4.9	Hazardous substance storage/usage	0	0	0	0	-
33	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
33	4.11	Licensed industrial activities (Part A(1))	0	0	0	0	-
33	4.12	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
34	4.13	Radioactive Substance Authorisations	0	0	0	0	-
34 >	4.14 >	<u>Licensed Discharges to controlled waters ></u>	0	0	1	10	-
36	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
36	4.16	Pollutant release to public sewer	0	0	0	0	-
36	4.17	List 1 Dangerous Substances	0	0	0	0	-
36	4.18	List 2 Dangerous Substances	0	0	0	0	-
37 >	4.19 >	<u>Pollution Incidents (EA/NRW) ></u>	0	1	0	2	-
37	4.20	Pollution inventory substances	0	0	0	0	-
37	4.21	Pollution inventory waste transfers	0	0	0	0	-
38	4.22	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
39 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
41 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
43 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
45	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
45	5.5	Groundwater vulnerability- local information	None (within 0m)				
46 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	2	0	5
48 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	10
51 >	5.8 >	<u>Potable abstractions ></u>	0	0	0	0	4
52 >	5.9 >	<u>Source Protection Zones ></u>	1	0	0	0	-
53	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m



54 >	6.1 >	Water Network (OS MasterMap) >	6	4	4	-	-
56 >	6.2 >	Surface water features >	1	1	4	-	-
56 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
56 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
57 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
58	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
58	7.2	Historical Flood Events	0	0	0	-	-
58	7.3	Flood Defences	0	0	0	-	-
59	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
59	7.5	Flood Storage Areas	0	0	0	-	-
60	7.6	Flood Zone 2	None (within 50m)				
60	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
61	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
62 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
63	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
64	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
64	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
64	10.4	Special Protection Areas (SPA)	0	0	0	0	0
64	10.5	National Nature Reserves (NNR)	0	0	0	0	0
65	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
65 >	10.7 >	Designated Ancient Woodland >	0	0	0	1	5
65	10.8	Biosphere Reserves	0	0	0	0	0
66	10.9	Forest Parks	0	0	0	0	0
66	10.10	Marine Conservation Zones	0	0	0	0	0
66 >	10.11 >	Green Belt >	0	0	0	1	0



66	10.12	Proposed Ramsar sites	0	0	0	0	0
67	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
67	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
67	10.15	Nitrate Sensitive Areas	0	0	0	0	0
67 >	10.16 >	<u>Nitrate Vulnerable Zones ></u>	2	0	0	0	0
69	10.17	SSSI Impact Risk Zones	0	-	-	-	-
69	10.18	SSSI Units	0	0	0	0	0
Page	Section	<u>Visual and cultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
70	11.1	World Heritage Sites	0	0	0	-	-
71	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
71	11.3	National Parks	0	0	0	-	-
71 >	11.4 >	<u>Listed Buildings ></u>	0	0	6	-	-
72 >	11.5 >	<u>Conservation Areas ></u>	0	1	0	-	-
72	11.6	Scheduled Ancient Monuments	0	0	0	-	-
72	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<u>Agricultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
73 >	12.1 >	<u>Agricultural Land Classification ></u>	Grade 3 (within 250m)				
74 >	12.2 >	<u>Open Access Land ></u>	0	0	4	-	-
74	12.3	Tree Felling Licences	0	0	0	-	-
75	12.4	Environmental Stewardship Schemes	0	0	0	-	-
75 >	12.5 >	<u>Countryside Stewardship Schemes ></u>	1	1	1	-	-
Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
76 >	13.1 >	<u>Priority Habitat Inventory ></u>	1	1	2	-	-
77	13.2	Habitat Networks	0	0	0	-	-
77	13.3	Open Mosaic Habitat	0	0	0	-	-
77	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<u>Geology 1:10,000 scale ></u>	On site	0-50m	50-250m	250-500m	500-2000m
78 >	14.1 >	<u>10k Availability ></u>	Identified (within 500m)				
79	14.2	Artificial and made ground (10k)	0	0	0	0	-



80 >	14.3 >	Superficial geology (10k) >	1	1	0	4	-
81	14.4	Landslip (10k)	0	0	0	0	-
82 >	14.5 >	Bedrock geology (10k) >	2	0	0	1	-
83	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
84 >	15.1 >	50k Availability >	Identified (within 500m)				
85	15.2	Artificial and made ground (50k)	0	0	0	0	-
85	15.3	Artificial ground permeability (50k)	0	0	-	-	-
86 >	15.4 >	Superficial geology (50k) >	2	1	2	4	-
87 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
87	15.6	Landslip (50k)	0	0	0	0	-
87	15.7	Landslip permeability (50k)	None (within 50m)				
88 >	15.8 >	Bedrock geology (50k) >	4	0	0	1	-
89 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
89	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
90 >	16.1 >	BGS Boreholes >	0	0	3	-	-
Page	Section	Natural ground subsidence >					
92 >	17.1 >	Shrink swell clays >	Low (within 50m)				
93 >	17.2 >	Running sands >	Very low (within 50m)				
94 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
95 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
96 >	17.5 >	Landslides >	Very low (within 50m)				
97 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
99	18.1	BritPits	0	0	0	0	-
100 >	18.2 >	Surface ground workings >	0	0	11	-	-
100	18.3	Underground workings	0	0	0	0	0
100	18.4	Underground mining extents	0	0	0	0	-



101 >	18.5 >	Historical Mineral Planning Areas >	0	0	1	1	-
101 >	18.6 >	Non-coal mining >	1	0	0	1	1
102	18.7	JPB mining areas	None (within 0m)				
102	18.8	The Coal Authority non-coal mining	0	0	0	0	-
102	18.9	Researched mining	0	0	0	0	-
102	18.10	Mining record office plans	0	0	0	0	-
103	18.11	BGS mine plans	0	0	0	0	-
103	18.12	Coal mining	None (within 0m)				
103	18.13	Brine areas	None (within 0m)				
103	18.14	Gypsum areas	None (within 0m)				
103	18.15	Tin mining	None (within 0m)				
104	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
105	19.1	Natural cavities	0	0	0	0	-
105	19.2	Mining cavities	0	0	0	0	0
105	19.3	Reported recent incidents	0	0	0	0	-
105	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
107 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
109 >	21.1 >	BGS Estimated Background Soil Chemistry >	4	7	-	-	-
110	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
110	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
111	22.1	Underground railways (London)	0	0	0	-	-
111	22.2	Underground railways (Non-London)	0	0	0	-	-
111	22.3	Railway tunnels	0	0	0	-	-
111	22.4	Historical railway and tunnel features	0	0	0	-	-
111	22.5	Royal Mail tunnels	0	0	0	-	-



112	22.6	Historical railways	0	0	0	-	-
112	22.7	Railways	0	0	0	-	-
112	22.8	Crossrail 2	0	0	0	0	-
112	22.9	HS2	0	0	0	0	-



Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2025. All Rights Reserved.

Capture Date: 05/08/2022

Site Area: 4.81ha



Recent site history - 2020 aerial photograph



Capture Date: 09/04/2020

Site Area: 4.81ha



Recent site history - 2014 aerial photograph



Capture Date: 03/07/2014

Site Area: 4.81ha



Recent site history - 2010 aerial photograph



Capture Date: 27/04/2010

Site Area: 4.81ha



Recent site history - 1999 aerial photograph

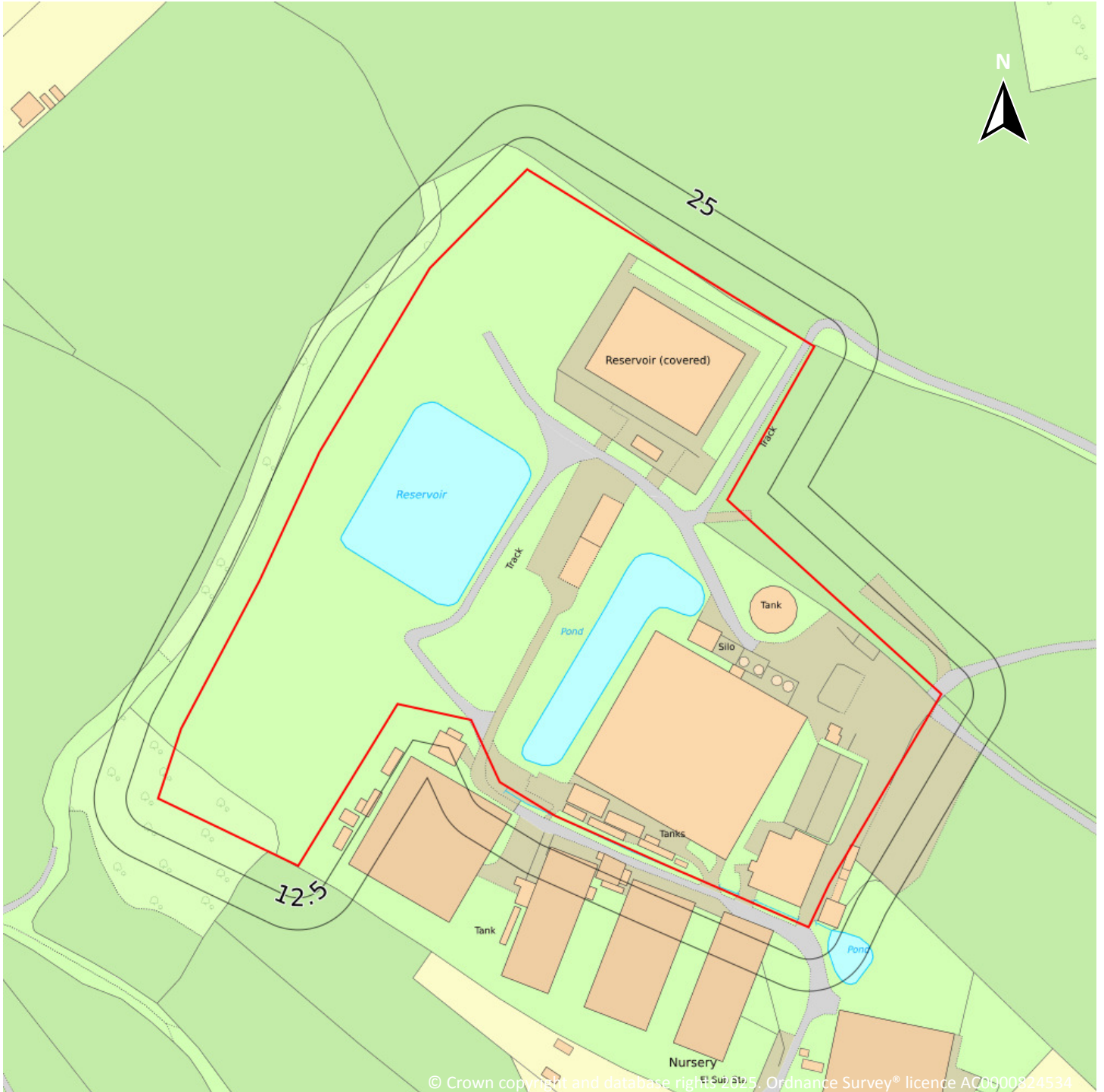


Capture Date: 18/07/1999

Site Area: 4.81ha



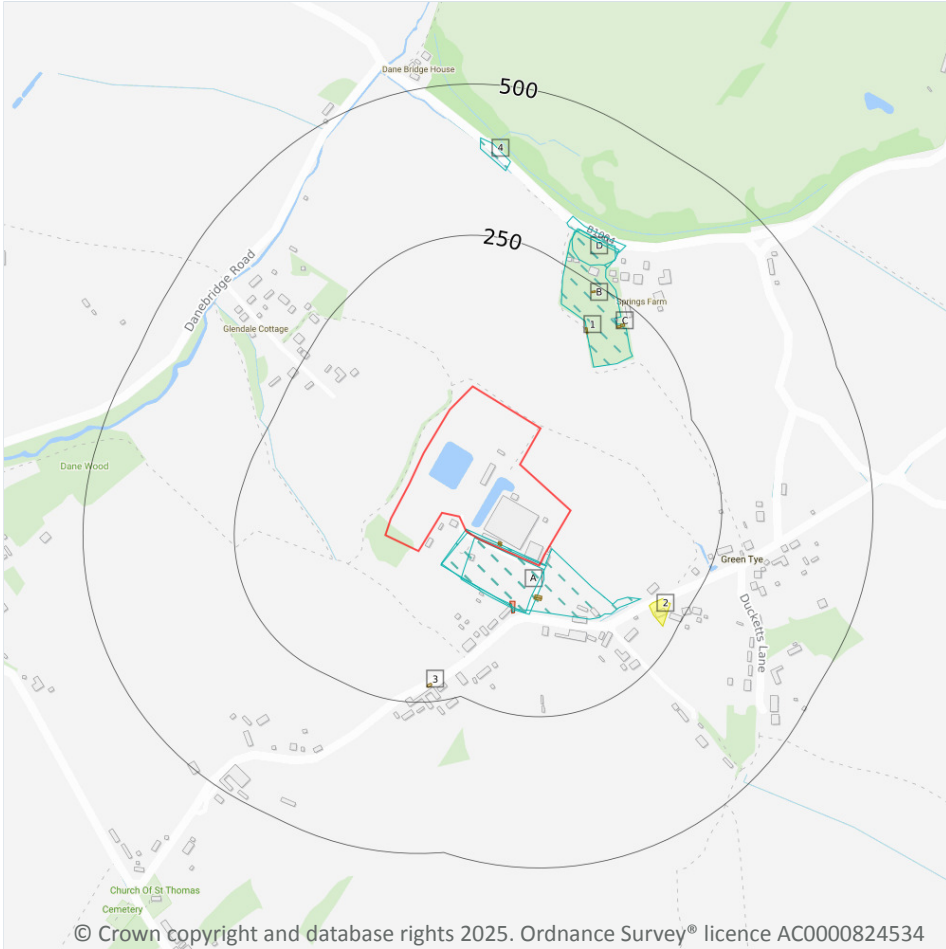
OS MasterMap site plan



Site Area: 4.81ha



1 Past land use



Site Outline

Search buffers in metres (m)

- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical petrol stations

1.1 Historical industrial land uses

Records within 500m **7**

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

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

ID	Location	Land use	Dates present	Group ID
A	On site	Nursery	1980	2134289

ID	Location	Land use	Dates present	Group ID
A	On site	Nursery	1951	2154540
A	1m SW	Nursery	1922 - 1947	2120831
B	134m NE	Nursery	1980	2085045
D	271m NE	Unspecified Pit	1947 - 1951	2117708
D	309m NE	Cuttings	1883	2075602
4	361m N	Cuttings	1883	2075601

This data is sourced from Ordnance Survey® / Groundsure.

1.2 Historical tanks

Records within 500m	9
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Tank features digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Tank	1997	365998
A	On site	Unspecified Tank	1976	366023
A	49m S	Tanks	1997	360439
A	53m S	Tanks	1976	360441
1	173m NE	Unspecified Tank	1976	366022
C	209m NE	Unspecified Tank	1976	366019
C	214m NE	Unspecified Tank	1997	365997
3	219m S	Tanks	1976 - 1997	367814
B	235m NE	Unspecified Tank	1976 - 1997	370076

This data is sourced from Ordnance Survey® / Groundsure.



1.3 Historical energy features

Records within 500m

1

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

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

ID	Location	Land use	Dates present	Group ID
A	70m SW	Electricity Substation	1976 - 1997	251536

This data is sourced from Ordnance Survey® / Groundsure.

1.4 Historical petrol stations

Records within 500m

1

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'.

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

ID	Location	Land use	Dates present	Group ID
2	192m SE	Filling Station	1976	4019

This data is sourced from Ordnance Survey® / Groundsure.

1.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey® / Groundsure.



1.6 Historical military land

Records within 500m

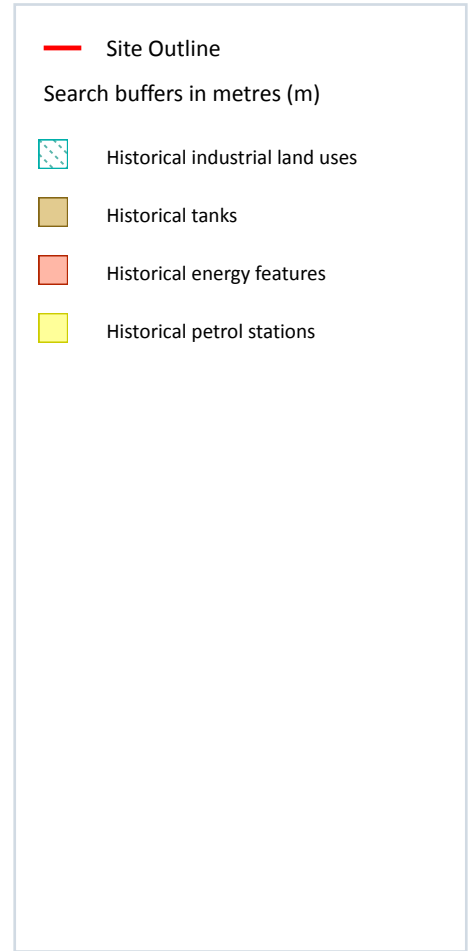
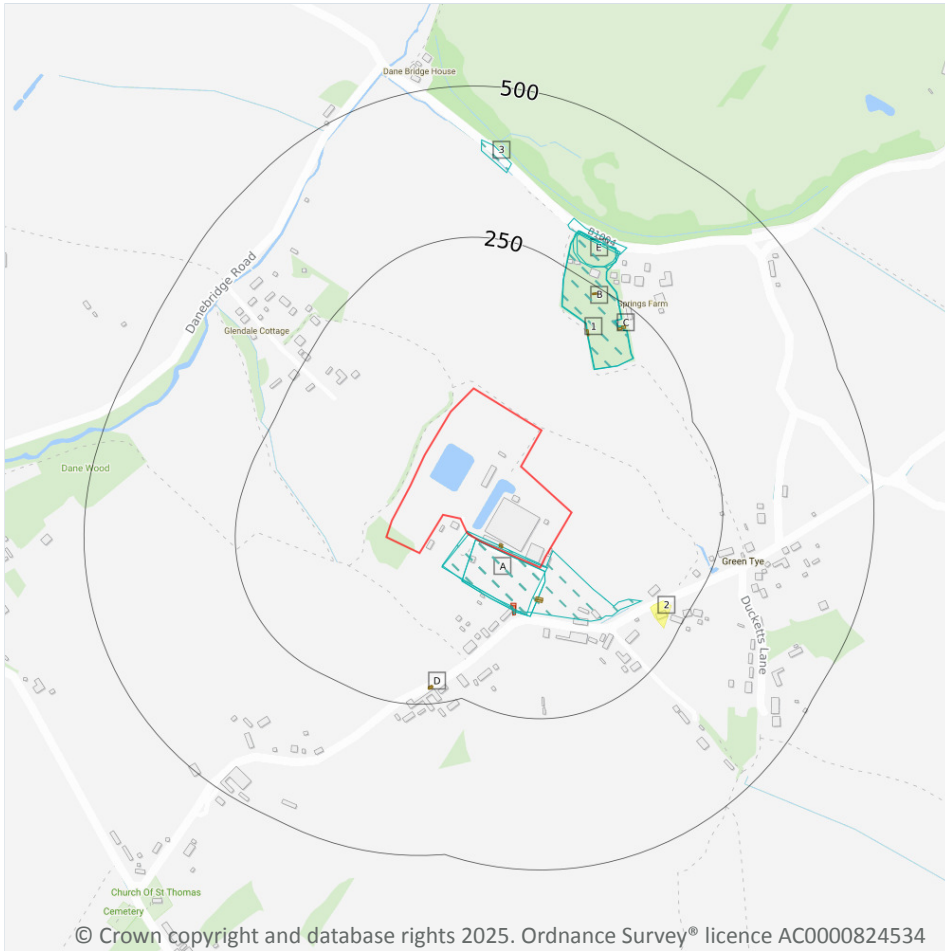
0

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

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



2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m **10**

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
A	On site	Nursery	1951	2154540
A	On site	Nursery	1980	2134289
A	1m SW	Nursery	1947	2120831

ID	Location	Land Use	Date	Group ID
A	1m SW	Nursery	1922	2120831
B	133m NE	Nursery	1980	2406109
B	134m NE	Nursery	1980	2085045
E	271m NE	Unspecified Pit	1947	2117708
E	273m NE	Unspecified Pit	1951	2117708
E	309m NE	Cuttings	1883	2075602
3	361m N	Cuttings	1883	2075601

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m

11

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

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

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Tank	1976	366023
A	On site	Unspecified Tank	1997	365998
A	49m S	Tanks	1997	360439
A	53m S	Tanks	1976	360441
1	173m NE	Unspecified Tank	1976	366022
C	209m NE	Unspecified Tank	1976	366019
C	214m NE	Unspecified Tank	1997	365997
D	219m S	Tanks	1997	367814
D	221m S	Tanks	1976	367814
B	235m NE	Unspecified Tank	1976	370076
B	235m NE	Unspecified Tank	1997	370076

This data is sourced from Ordnance Survey® / Groundsure.



2.3 Historical energy features

Records within 500m

2

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
A	70m SW	Electricity Substation	1997	251536
A	74m SW	Electricity Substation	1976	251536

This data is sourced from Ordnance Survey® / Groundsure.

2.4 Historical petrol stations

Records within 500m

1

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'.

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

ID	Location	Land Use	Date	Group ID
2	192m SE	Filling Station	1976	4019

This data is sourced from Ordnance Survey® / Groundsure.

2.5 Historical garages

Records within 500m

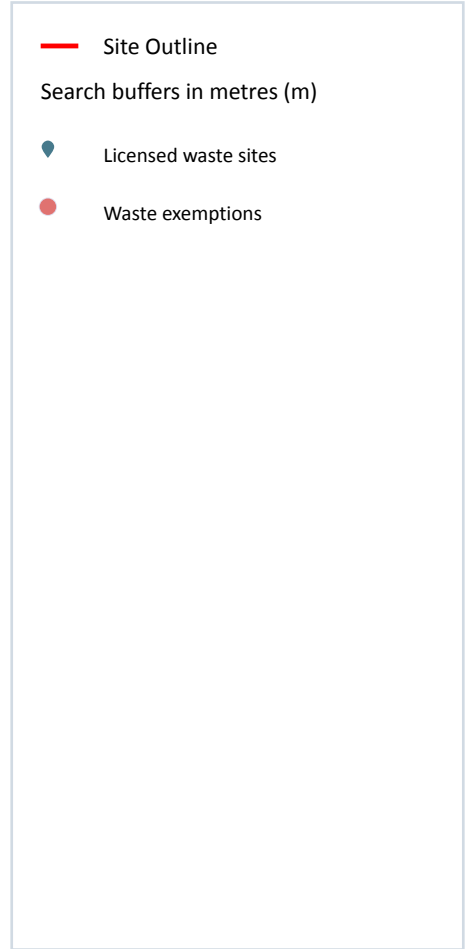
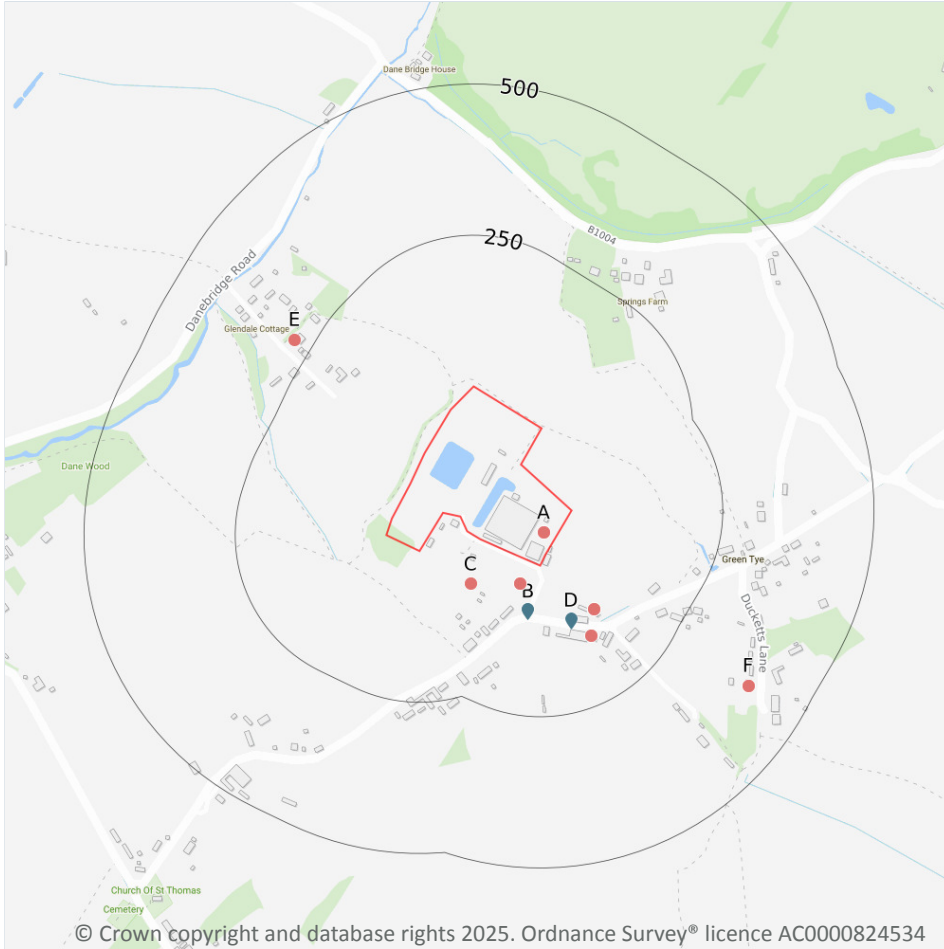
0

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

This data is sourced from Ordnance Survey® / Groundsure.



3 Waste and landfill



3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

0

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

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

3.5 Historical waste sites

Records within 500m

0

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

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

3.6 Licensed waste sites

Records within 500m

3

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

Features are displayed on the Waste and landfill map on [page 22 >](#)

ID	Location	Details		
B	79m S	Site Name: The Vineries Site Address: The Vineries, Green Tye, Much Hadham, Hertfordshire, SG10 6JJ Correspondence Address: -	Type of Site: Biological Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GUY001 EPR reference: EA/EPR/PP3793EU/V005 Operator: Guy & Wright Limited Waste Management licence No: 80732 Annual Tonnage: 37499	Issue Date: 17/01/2007 Effective Date: - Modified: 10/12/2018 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
B	79m S	Site Name: The Vineries Site Address: The Vineries, Green Tye, Much Hadham, Hertfordshire, SG10 6JJ Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 648316 EPR reference: EA/EPR/PP3793EU Operator: Guy & Wright Limited Waste Management licence No: 80732 Annual Tonnage: 37499	Issue Date: 17/01/2007 Effective Date: 17/01/2007 Modified: 17/01/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	104m SE	Site Name: Guy & Wright Ltd Site Address: The Vineries, Green Tye, Much Hadham, Hertfordshire, SG10 9JJ Correspondence Address: -	Type of Site: Biological Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GUY001 EPR reference: EA/EPR/PP3793EU/A001 Operator: Guy & Wright Ltd Waste Management licence No: 80732 Annual Tonnage: 10000	Issue Date: 17/01/2007 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m	68
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 22 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	-	WEX367483	Using waste exemption	On a farm	Use of waste in construction
A	On site	-	WEX367483	Using waste exemption	On a farm	Use of waste for a specified purpose
A	On site	-	WEX367483	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)



ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	-	WEX367483	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	On site	-	WEX367483	Treating waste exemption	On a farm	Mechanical treatment of end-of-life tyres
A	On site	-	WEX367483	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	On site	-	WEX367483	Disposing of waste exemption	On a farm	Burning waste in the open
A	On site	-	WEX367483	Storing waste exemption	On a farm	Storage of waste in secure containers
A	On site	-	WEX367483	Storing waste exemption	On a farm	Storage of waste in a secure place
B	41m SW	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers
B	41m SW	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
B	41m SW	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Treating waste exemption	Agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
B	41m SW	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
B	41m SW	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	41m SW	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Mechanical treatment of end-of-life tyres



ID	Location	Site	Reference	Category	Sub-Category	Description
B	41m SW	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Using waste exemption	Both agricultural and non- agricultural waste	Use of waste in construction
B	41m SW	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Using waste exemption	Both agricultural and non- agricultural waste	Use of waste for a specified purpose
B	41m SW	The Vineries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QF0630F A/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
C	75m SW	The Nurseries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QE5880JH /A001	Using waste exemption	Both agricultural and non- agricultural waste	Spreading waste on agricultural land to confer benefit
C	75m SW	The Nurseries Green Tye Much Hadham Hertfordshire Sg10 6jj	EPR/QE5880JH /A001	Treating waste exemption	Non- agricultural waste only	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Disposing of waste exemption	On a farm	Burning waste in the open
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Using waste exemption	On a farm	Use of waste in construction
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Storing waste exemption	On a farm	Storage of waste in a secure place
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Storing waste exemption	On a farm	Storage of waste in secure containers
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Treating waste exemption	On a farm	Mechanical treatment of end- of-life tyres
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising



ID	Location	Site	Reference	Category	Sub-Category	Description
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Using waste exemption	On a farm	Use of waste for a specified purpose
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Storing waste exemption	On a farm	Storage of waste in secure containers
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Storing waste exemption	On a farm	Storage of waste in a secure place
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Treating waste exemption	On a farm	Mechanical treatment of end-of-life tyres
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Using waste exemption	On a farm	Use of waste in construction
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX048922	Using waste exemption	On a farm	Use of waste for a specified purpose
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX205442	Disposing of waste exemption	On a farm	Burning waste in the open
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Disposing of waste exemption	On a farm	Burning waste in the open
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Disposing of waste exemption	On a farm	Burning waste in the open
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Using waste exemption	On a farm	Use of waste in construction
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Using waste exemption	On a farm	Use of waste for a specified purpose



ID	Location	Site	Reference	Category	Sub-Category	Description
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Treating waste exemption	On a farm	Mechanical treatment of end-of-life tyres
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Storing waste exemption	On a farm	Storage of waste in secure containers
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX330360	Storing waste exemption	On a farm	Storage of waste in a secure place
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Using waste exemption	On a farm	Use of waste in construction
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Using waste exemption	On a farm	Use of waste for a specified purpose
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Treating waste exemption	On a farm	Mechanical treatment of end-of-life tyres
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Storing waste exemption	On a farm	Storage of waste in secure containers
D	115m SE	The Vineries, Green Tye, Much Hadham, Sg10 6jj	WEX336804	Storing waste exemption	On a farm	Storage of waste in a secure place
D	143m SE	Uffords Farm House Green Tye Much Hadham Hertfordshire Sg10 6jp	EPR/KH0171X X/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open

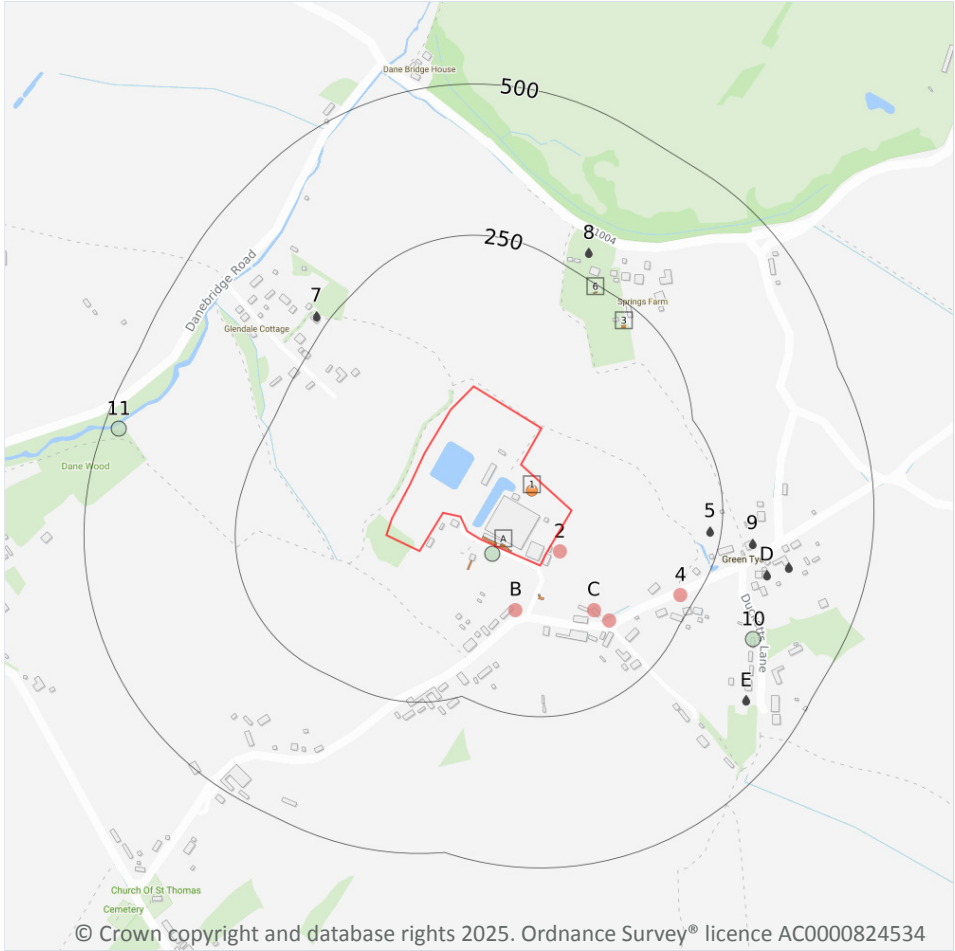


ID	Location	Site	Reference	Category	Sub-Category	Description
D	143m SE	Uffords Farm House Green Tye Much Hadham Hertfordshire Sg10 6jp	EPR/KH0171X X/A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers
D	143m SE	Uffords Farm House Green Tye Much Hadham Hertfordshire Sg10 6jp	EPR/KH0171X X/A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
D	143m SE	Uffords Farm House Green Tye Much Hadham Hertfordshire Sg10 6jp	EPR/KH0171X X/A001	Treating waste exemption	Agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
E	281m NW	Storage Depot, Gravel Pit, Danebridge Road, Much Hadham, Sg106hx	WEX006621	Using waste exemption	Not on a farm	Use of waste in construction
E	281m NW	Storage Depot, Gravel Pit, Danebridge Road, Much Hadham, Sg106hx	WEX006621	Using waste exemption	Not on a farm	Use of waste for a specified purpose
F	397m SE	8, Ducketts Lane, Much Hadham, Sg10 6jw	WEX167455	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	397m SE	8, Ducketts Lane, Much Hadham, Sg10 6jw	WEX167455	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
F	397m SE	8, Ducketts Lane, Much Hadham, Sg10 6jw	WEX167455	Treating waste exemption	Not on a farm	Recovery of textiles
F	397m SE	8, Ducketts Lane, Much Hadham, Sg10 6jw	WEX167455	Using waste exemption	Not on a farm	Use of waste in construction
F	397m SE	8, Ducketts Lane, Much Hadham, Sg10 6jw	WEX167455	Treating waste exemption	Not on a farm	Recovery of scrap metal
F	397m SE	8, Ducketts Lane, Much Hadham, Sg10 6jw	WEX167455	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- NGD current or recent tanks
- ◆ Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m 5

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 30](#) >

ID	Location	Company	Address	Activity	Category
2	18m SE	The Nurseries, Green Tye - Anaerobic Digestion (BEIS)	The Vineries, Greentye, Much Hadham, Hertfordshire, SG10 6JJ	Energy Production	Industrial Features

ID	Location	Company	Address	Activity	Category
B	83m SW	Electricity Sub Station	Hertfordshire, SG10	Electrical Features	Infrastructure and Facilities
C	115m SE	Guy & Wright	The Vineries, Green Tye, Hertfordshire, SG10 6JJ	Fruit, Flower and Vegetable Growers	Farming
C	146m SE	Pump	Hertfordshire, SG10	Water Pumping Stations	Industrial Features
4	227m SE	Pump	Hertfordshire, SG10	Water Pumping Stations	Industrial Features

This data is sourced from Ordnance Survey®.

4.2 National Geographic Database (NGD) - Current or recent tanks

Records within 250m	11
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Current or recent tanks identified from the Ordnance Survey® NGD.

Features are displayed on the Current industrial land use map on [page 30 >](#)

ID	Location	Tank description	Activity	Date first identified
1	On site	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	05/08/2018
A	On site	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	09/08/2015
A	On site	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	18/12/2001
A	On site	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	18/12/2001
A	On site	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	18/12/2001
A	On site	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	18/12/2001
A	39m SW	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	05/08/2018
B	47m S	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	17/12/2001
B	52m S	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	17/12/2001
3	213m NE	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	20/06/2014
6	235m NE	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	20/06/2014

This data is sourced from Ordnance Survey®.



4.3 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.

4.4 Electricity cables

Records within 500m	0
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High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m	0
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High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 Sites determined as Contaminated Land

Records within 500m	0
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Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.7 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.

4.8 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.

4.9 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.

4.10 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.

4.11 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

0

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

This data is sourced from Local Authority records.



4.13 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.

4.14 Licensed Discharges to controlled waters

Records within 500m

11

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 30](#) >

ID	Location	Address	Details	
5	231m E	2 CHURCH LANE VILLAS, GREEN TYE, MU, 2 CHURCH LANE VILLAS, GREEN TYE, MUCH HADHAM, HERTS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTCU.1633 Permit Version: 1 Receiving Water: LONDON CLAYSTRATA	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 06/02/1984 Effective Date: 06/02/1984 Revocation Date: 01/10/1996
7	271m NW	MAPLE COTTAGE, DENBRIDGE LANE, MUCH HADHAM, HERTS, SG10 6HX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CANM.0830 Permit Version: 1 Receiving Water: TRIBUTARY OF RIVER ASH	Status: NEW CONSENT, (WATER INDUSTRY ACT 1991, SECTION 166) Issue date: 08/11/2004 Effective Date: 08/11/2004 Revocation Date: -
8	288m NE	DANE BRIDGE NURSERIES, DANE BRIDGE, MUCH HADHAM, WARE, HERTFORDSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTLU.0535 Permit Version: 1 Receiving Water: -	Status: TRANSFERRED FROM WRA 1963 Issue date: 18/11/1977 Effective Date: 18/11/1977 Revocation Date: -
9	303m E	CHURCH LANE VILLA, GREEN TYE, MUCH HADHAM, WARE, HERTFORDSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTLU.0465 Permit Version: 1 Receiving Water: -	Status: TRANSFERRED FROM WRA 1963 Issue date: 23/09/1976 Effective Date: 23/09/1976 Revocation Date: -



ID	Location	Address	Details	
D	340m E	BLACKSMITHS & ROSE COTTAGES, GREEN TYE, MUCH HADHAM, HERTS, SG10 6JH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CANM.0840 Permit Version: 1 Receiving Water: GROUNDWATER VIA SOAKAWAY	Status: NEW CONSENT, (WATER INDUSTRY ACT 1991, SECTION 166) Issue date: 16/11/2004 Effective Date: 16/11/2004 Revocation Date: 20/12/2012
D	340m E	BLACKSMITHS & ROSE COTTAGES, GREEN TYE, MUCH HADHAM, HERTS, SG10 6JH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CANM.0840 Permit Version: 2 Receiving Water: GROUNDWATER VIA SOAKAWAY	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -
D	371m E	2 BLACKSMITHS COTTAGE, GREEN TYE, MUCH HADHAM, HERTFORDSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTLU.0477 Permit Version: 1 Receiving Water: GROUNDWATER	Status: TRANSFERRED FROM WRA 1963 Issue date: 29/11/1976 Effective Date: 29/11/1976 Revocation Date: 20/12/2012
D	371m E	2 BLACKSMITHS COTTAGE, GREEN TYE, MUCH HADHAM, HERTFORDSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTLU.0477 Permit Version: 2 Receiving Water: GROUNDWATER	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -
E	407m SE	DUCKETTS LANE, GREEN TYE, HERTS, SG, DUCKETTS LANE, GREEN TYE, HERTS, SG10 6JW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CLCR.0241 Permit Version: 1 Receiving Water: TRIB OF THEFIDDLERS BROOK	Status: REVOKED - UNSPECIFIED Issue date: 06/10/1976 Effective Date: 06/10/1976 Revocation Date: 12/03/1992
E	407m SE	COUNCIL HOUSE SEWAGE WORKS, DUCKETT, COUNCIL HOUSE SEWAGE WORKS, DUCK, ETTS LANE, GREEN TYE, HERTS, SG1, 0 6JW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CNTM.0162 Permit Version: 1 Receiving Water: TRIB OF THE FIDDLERS BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 13/03/1992 Effective Date: 13/03/1992 Revocation Date: 06/06/2006



ID	Location	Address	Details	
E	407m SE	1-8 DUCKETTS LANE, 1-8 DUCKETTS LANE, GREEN TYE, MUCH HADHAM, HERTFORDSHIRE, SG10 6JW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CNTM.0162 Permit Version: 2 Receiving Water: TRIB OF THE FIDDLERS BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 07/06/2006 Effective Date: 07/06/2006 Revocation Date: -

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

4.15 Pollutant release to surface waters (Red List)

Records within 500m **0**

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

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

4.16 Pollutant release to public sewer

Records within 500m **0**

Discharges of Special Category Effluents to the public sewer.

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

4.17 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.

4.18 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.

4.19 Pollution Incidents (EA/NRW)

Records within 500m **3**

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 30 >](#)

ID	Location	Details	
A	13m SW	Incident Date: 28/05/2002 Incident Identification: 81589 Pollutant: Oils and Fuel Pollutant Description: Other Oil or Fuel	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
10	367m SE	Incident Date: 10/03/2003 Incident Identification: 142208 Pollutant: Sewage Materials Pollutant Description: Final Effluent	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
11	475m W	Incident Date: 12/04/2002 Incident Identification: 71073 Pollutant: Other Pollutant Pollutant Description: Natural Ochre	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.20 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.

4.21 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.



4.22 Pollution inventory radioactive waste

Records within 500m

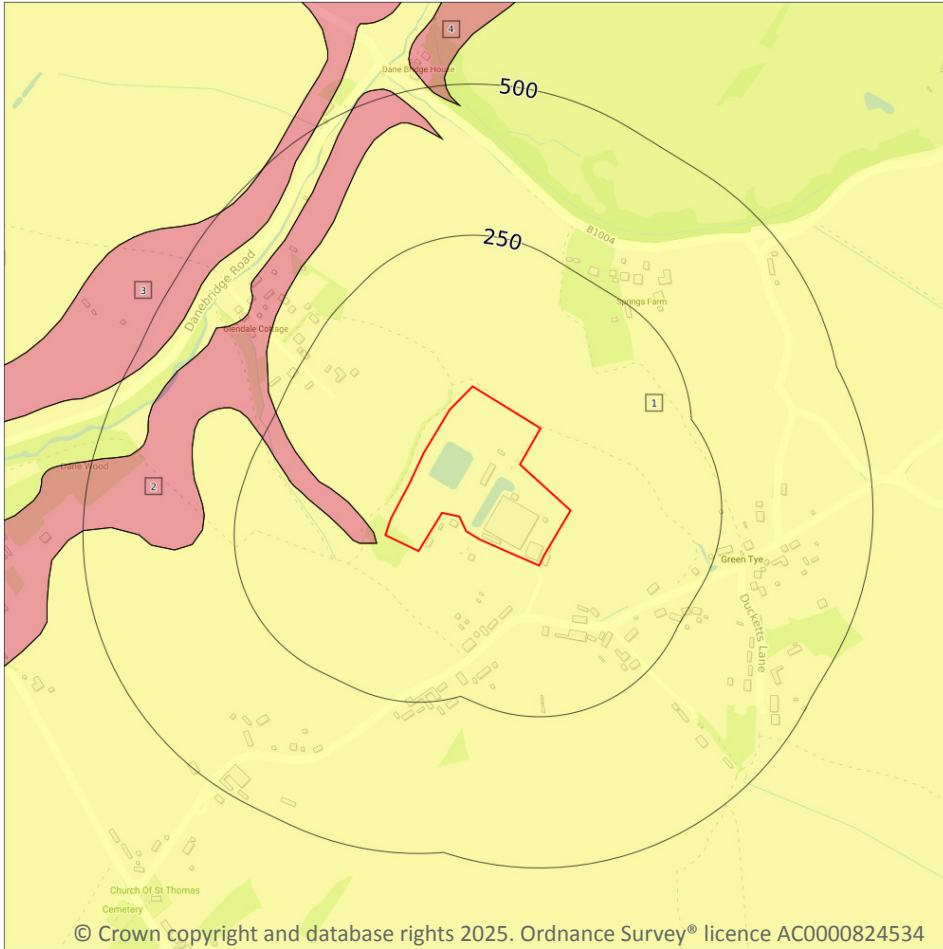
0

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

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



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 39 >](#)

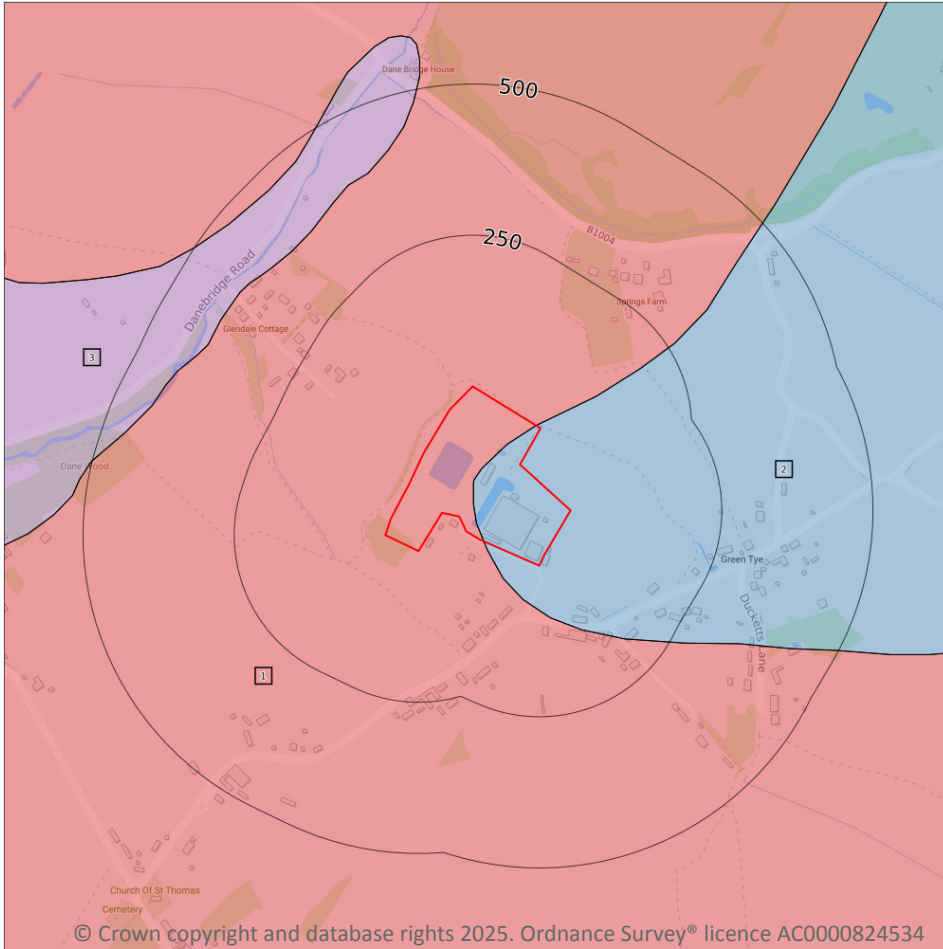
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	18m 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

ID	Location	Designation	Description
3	432m NW	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
4	465m N	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

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

3

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 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	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

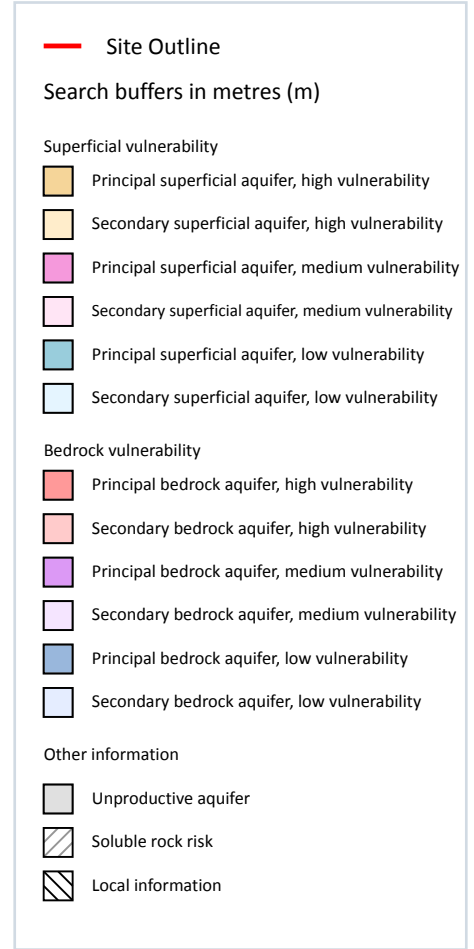
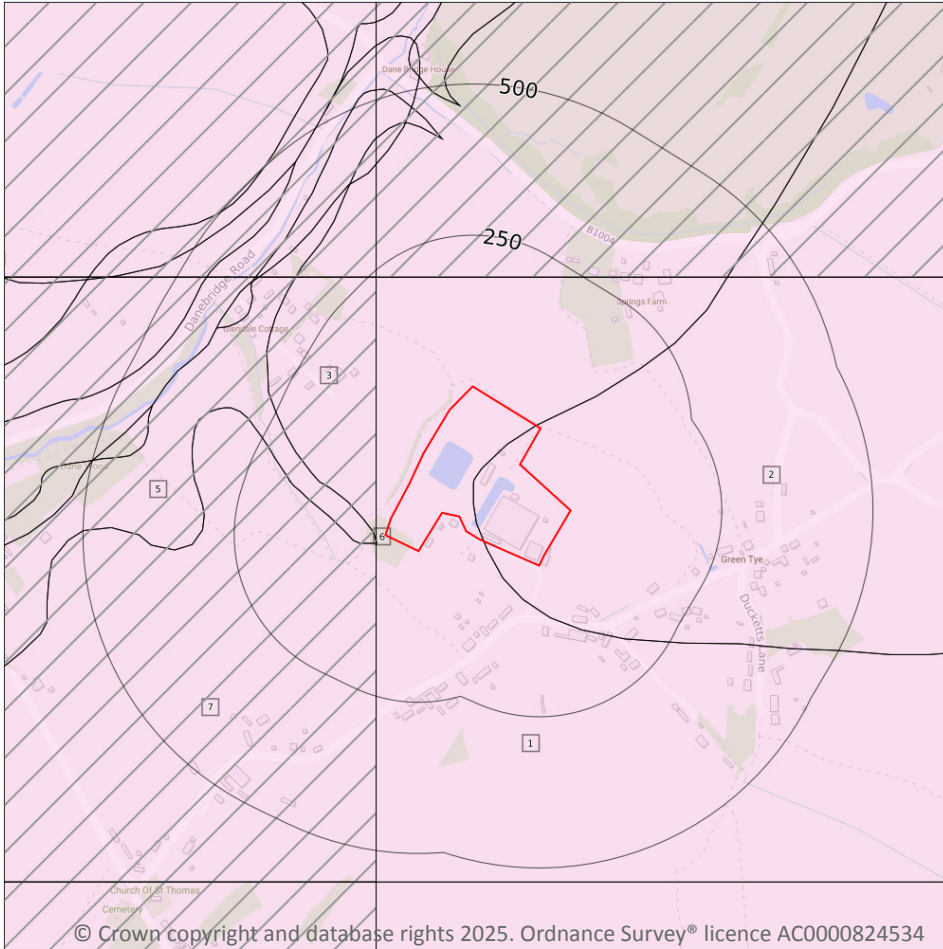


ID	Location	Designation	Description
3	370m NW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

6

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](#) >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Mixed
2	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
3	15m W	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
5	18m W	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
6	18m SW	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Mixed
7	21m SW	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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



5.4 Groundwater vulnerability- soluble rock risk

Records on site

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

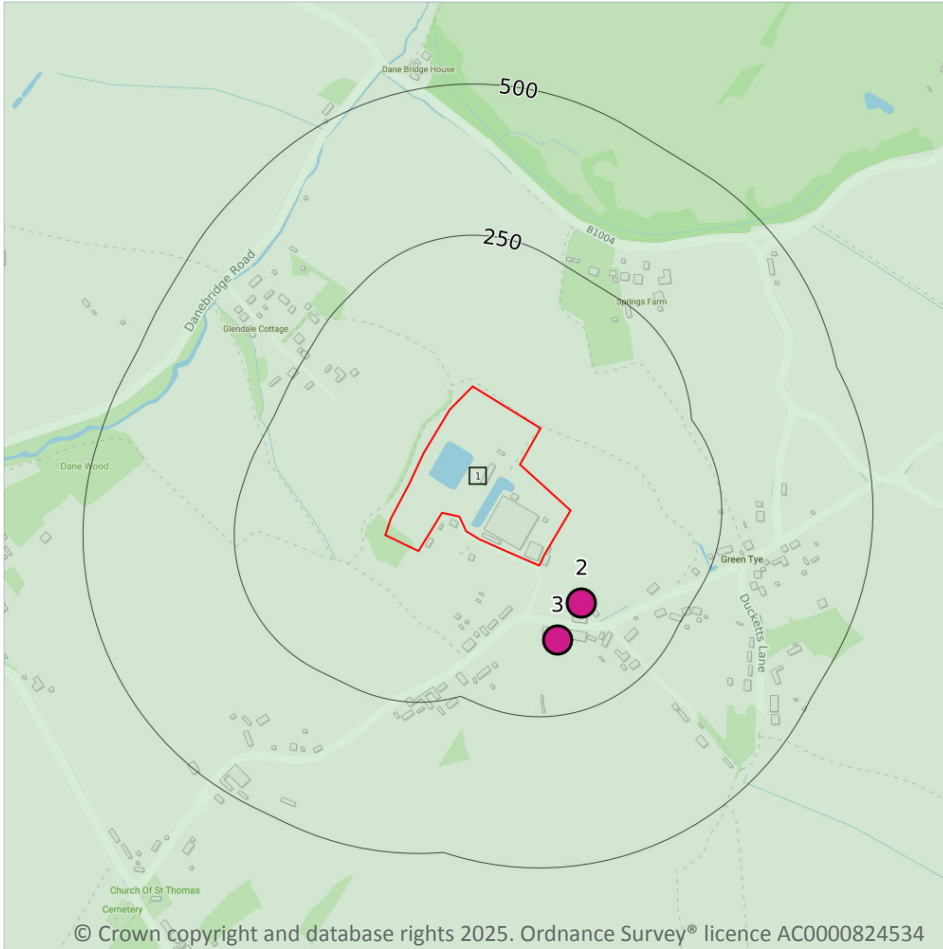
0

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.



Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

7

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 46 >](#)

ID	Location	Details	
2	94m SE	Status: Active Licence No: 29/38/05/0003 Details: Trickle Irrigation - Under Cover/Containers Direct Source: THAMES GROUNDWATER Point: THE NURSERIES, MUCH HADHAM Data Type: Point Name: GUY & WRIGHT LTD Easting: 544340 Northing: 218461	Annual Volume (m ³): 29685 Max Daily Volume (m ³): 160 Original Application No: NPS/WR/037128 Original Start Date: 20/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 21/03/2022 Version End Date: -
3	127m S	Status: Historical Licence No: 29/38/05/0003 Details: Horticultural Watering Direct Source: THAMES GROUNDWATER Point: THE NURSERY, MUCH HADHAM - BOREHOLE Data Type: Point Name: GUY & WRIGHT LTD Easting: 544300 Northing: 218400	Annual Volume (m ³): 6819 Max Daily Volume (m ³): 68.19 Original Application No: - Original Start Date: 20/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	1116m E	Status: Historical Licence No: 29/38/06/0059 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: FULLING MILL, MUCH HADHAM - SPRING Data Type: Point Name: ASHWELL Easting: 545400 Northing: 218900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/04/1966 Version End Date: -
-	1835m S	Status: Active Licence No: TH/038/0006/003/R01 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: St Elizabeth's Centre Easting: 544049 Northing: 216702	Annual Volume (m ³): 10000 Max Daily Volume (m ³): 96 Original Application No: NPS/WR/030862 Original Start Date: 03/07/2018 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 01/04/2024 Version End Date: -



ID	Location	Details	
-	1835m S	Status: Historical Licence No: TH/038/0006/003 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: THE CONGREGATION OF THE DAUGHTERS OF THE CROSS OF LIEGE Easting: 544049 Northing: 216702	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 29/06/2010 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 29/06/2010 Version End Date: -
-	1835m S	Status: Historical Licence No: TH/038/0006/003/L Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: THE CONGREGATION OF THE DAUGHTERS OF THE CROSS OF LIEGE Easting: 544049 Northing: 216702	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 01/04/2018 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1836m S	Status: Historical Licence No: 29/38/06/0159 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: THE CONGREGATION OF THE DAUGHTERS OF THE CROSS OF LIEGE Easting: 544050 Northing: 216700	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 29/12/1999 Expiry Date: 31/12/2009 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

10

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 46 >](#)



ID	Location	Details	
-	783m N	Status: Historical Licence No: 29/38/05/0030 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GT HADHAM G C CRADLE END BROOK BETWEEN B& C Data Type: Line Name: GREAT HADHAM GOLF CLUB Easting: 544600 Northing: 220300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2003 Issue No: 100 Version Start Date: 15/09/1998 Version End Date: -
-	791m N	Status: Historical Licence No: 29/38/05/0034 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GREAT HADHAM GOLF & COUNTRY CLUB POINTS 'C' AND 'D' Data Type: Line Name: ROEBIX LIMITED Easting: 544680 Northing: 220310	Annual Volume (m ³): 27000 Max Daily Volume (m ³): 900 Original Application No: - Original Start Date: 18/04/2005 Expiry Date: 31/03/2009 Issue No: 2 Version Start Date: 15/03/2007 Version End Date: -
-	1186m N	Status: Historical Licence No: 29/38/05/0025 Details: General Farming & Domestic Direct Source: THAMES SURFACE WATER - NON TIDAL Point: EXNALLS FARM, MUCH HADHAM - RIVER ASH Data Type: Point Name: STREETER Easting: 544350 Northing: 219990	Annual Volume (m ³): 629 Max Daily Volume (m ³): 40 Original Application No: - Original Start Date: 01/04/1991 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	1521m NE	Status: Historical Licence No: 29/38/05/0030 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GT HADHAM G C CRADLE END BROOK BETWEEN A & B Data Type: Line Name: GREAT HADHAM GOLF CLUB Easting: 545200 Northing: 220000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2003 Issue No: 100 Version Start Date: 15/09/1998 Version End Date: -
-	1525m N	Status: Historical Licence No: TH/038/0005/001 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: BURY GREEN BROOK Data Type: Point Name: ROEBIX LIMITED Easting: 544570 Northing: 220288	Annual Volume (m ³): 27000 Max Daily Volume (m ³): 900 Original Application No: - Original Start Date: 20/05/2011 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 20/05/2011 Version End Date: -



ID	Location	Details	
-	1548m SW	Status: Active Licence No: 29/38/05/0026 Details: Fish Farm/Cress Pond Throughflow Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GINGERCRESS FARM, MUCH HADHAM - RIVER ASH Data Type: Point Name: JACKSON Easting: 542890 Northing: 217510	Annual Volume (m ³): 685200 Max Daily Volume (m ³): 3240 Original Application No: - Original Start Date: 01/04/1991 Expiry Date: - Issue No: 102 Version Start Date: 25/01/2008 Version End Date: -
-	1583m N	Status: Historical Licence No: 29/38/05/0033 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: CRADLE END BROOK, BURY GREEN- REACH C TO D Data Type: Line Name: COLLINS BROTHERS Easting: 545760 Northing: 221760	Annual Volume (m ³): 200000 Max Daily Volume (m ³): 3600 Original Application No: - Original Start Date: 28/10/2003 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 28/10/2003 Version End Date: -
-	1586m N	Status: Historical Licence No: 29/38/05/0031 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: BURY GREEN, BISHOPS STORTFORD - CRADLE END BROOK Data Type: Line Name: COLLINS BROTHERS Easting: 545240 Northing: 220860	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/04/1998 Expiry Date: 31-Oct-03 Issue No: 100 Version Start Date: 23/04/1998 Version End Date: -
-	1630m NE	Status: Historical Licence No: 29/38/05/0034 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GREAT HADHAM GOLF & COUNTRY CLUB POINTS 'A' AND 'B' Data Type: Line Name: ROEBIX LIMITED Easting: 545200 Northing: 220090	Annual Volume (m ³): 27000 Max Daily Volume (m ³): 900 Original Application No: - Original Start Date: 18/04/2005 Expiry Date: 31/03/2009 Issue No: 2 Version Start Date: 15/03/2007 Version End Date: -

ID	Location	Details	
-	1630m NE	Status: Historical Licence No: 29/38/05/0034 Details: Spray Irrigation - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GREAT HADHAM GOLF & COUNTRY CLUB POINTS 'A' AND 'B' Data Type: Line Name: ROEBIX LIMITED Easting: 545200 Northing: 220090	Annual Volume (m ³): 27000 Max Daily Volume (m ³): 900 Original Application No: - Original Start Date: 18/04/2005 Expiry Date: 31/03/2009 Issue No: 2 Version Start Date: 15/03/2007 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

4

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 46 >](#)

ID	Location	Details	
-	1835m S	Status: Active Licence No: TH/038/0006/003/R01 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: St Elizabeth's Centre Easting: 544049 Northing: 216702	Annual Volume (m ³): 10000 Max Daily Volume (m ³): 96 Original Application No: NPS/WR/030862 Original Start Date: 03/07/2018 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 01/04/2024 Version End Date: -
-	1835m S	Status: Historical Licence No: TH/038/0006/003 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: THE CONGREGATION OF THE DAUGHTERS OF THE CROSS OF LIEGE Easting: 544049 Northing: 216702	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 29/06/2010 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 29/06/2010 Version End Date: -



ID	Location	Details	
-	1835m S	Status: Historical Licence No: TH/038/0006/003/L Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: THE CONGREGATION OF THE DAUGHTERS OF THE CROSS OF LIEGE Easting: 544049 Northing: 216702	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 01/04/2018 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1836m S	Status: Historical Licence No: 29/38/06/0159 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: ST ELIZABETHS CENTRE. MUCH HADHAM, HERTS Data Type: Point Name: THE CONGREGATION OF THE DAUGHTERS OF THE CROSS OF LIEGE Easting: 544050 Northing: 216700	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 29/12/1999 Expiry Date: 31/12/2009 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	1
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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 46 >](#)

ID	Location	Type	Description
1	On site	3	Total catchment

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

5.10 Source Protection Zones (confined aquifer)

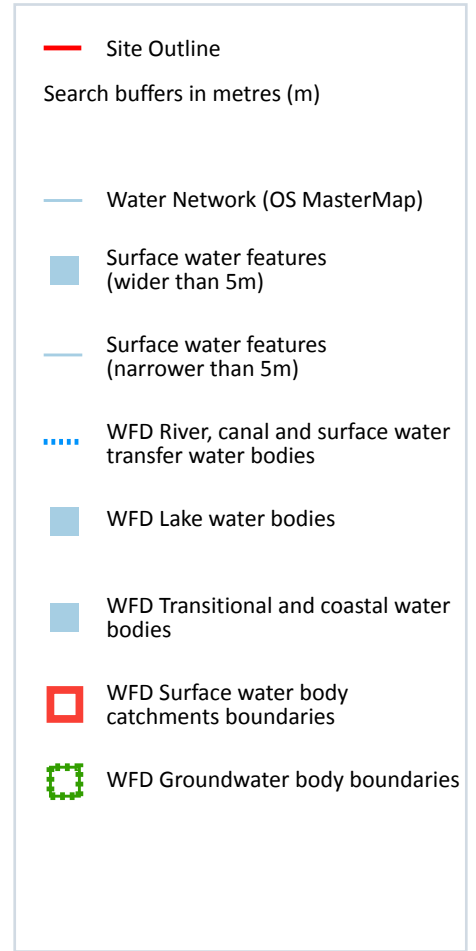
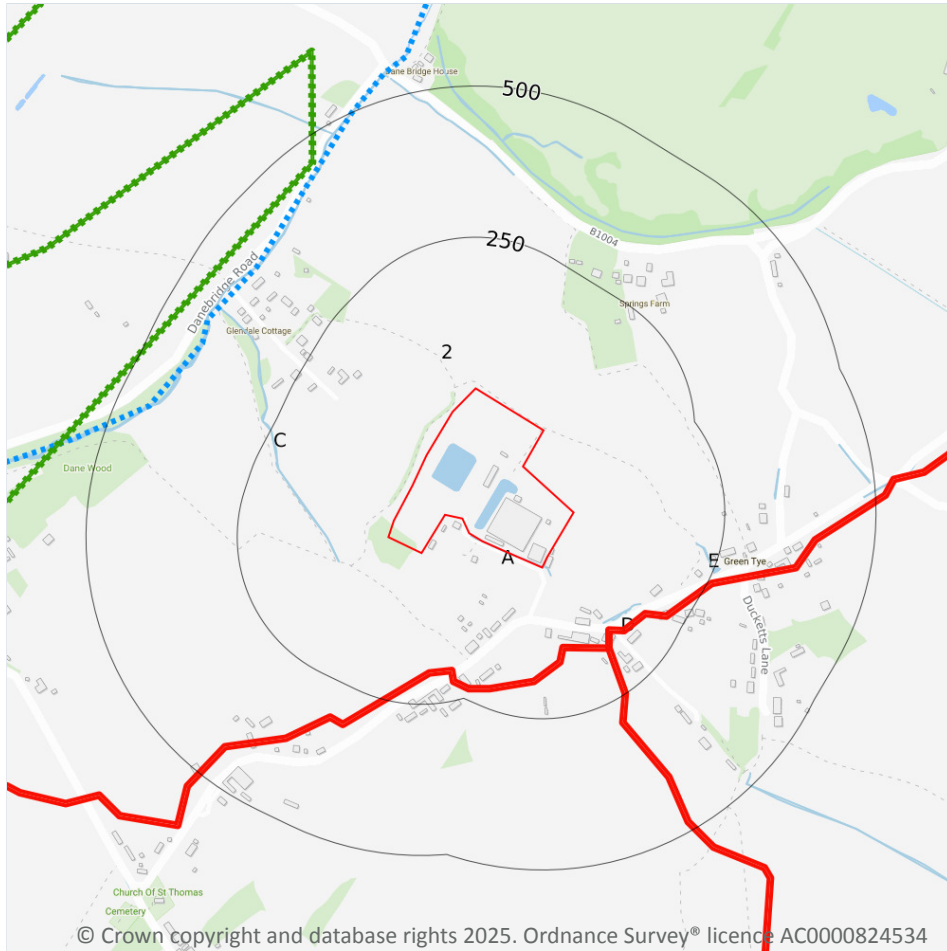
Records within 500m

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.

6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m

14

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

Features are displayed on the Hydrology map on [page 54 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	2m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	9m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	91m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	136m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	161m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	208m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey®.



6.2 Surface water features

Records within 250m

6

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

Features are displayed on the Hydrology map on [page 54 >](#)

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
2	On site	River	Ash (from Meesden to confluence with Bury Green Brook)	GB106038040100	Lee Upper	Lee Upper

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
7	403m NW	River	Ash (from Meesden to confluence with Bury Green Brook)	GB106038040100 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

Records on site	1
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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.

Features are displayed on the Hydrology map on [page 54](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
B	On site	North Mymms Tertiaries	GB40602G401200 ↗	Good	Good	Good	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

0

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

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



8 Surface water flooding

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

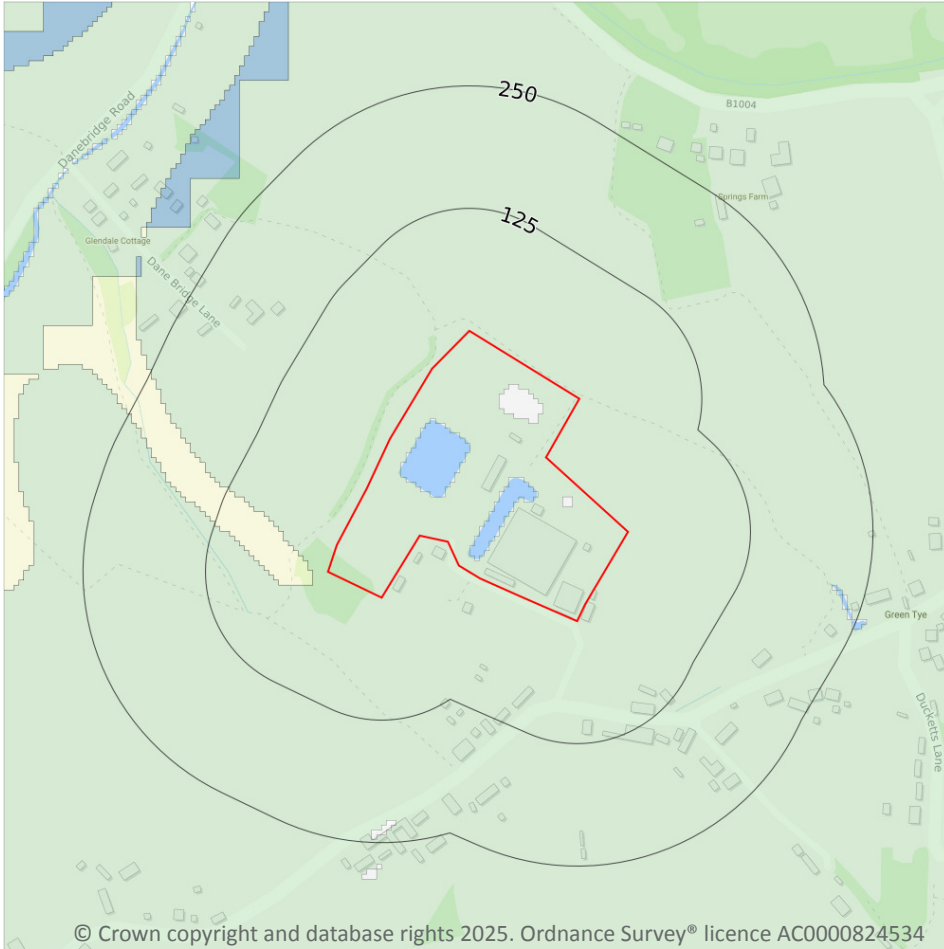
Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year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

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

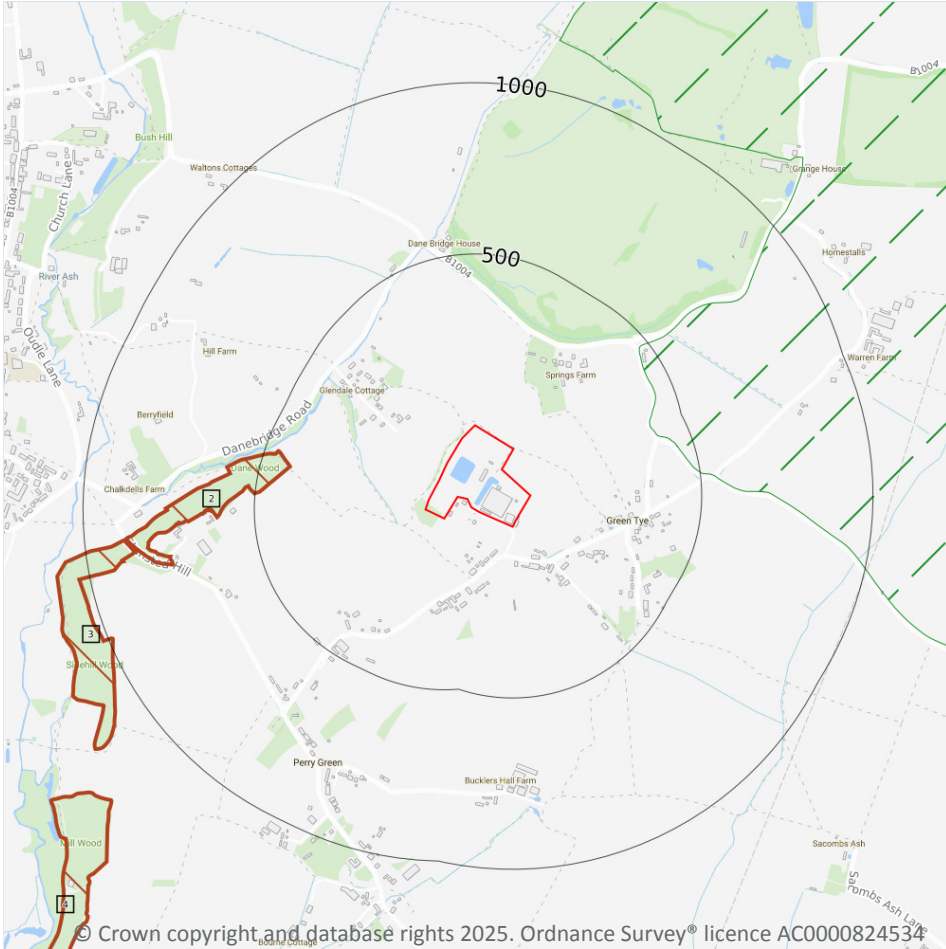
Moderate

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

Features are displayed on the Groundwater flooding map on [page 62 >](#)

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

6

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
2	415m W	Sidehill Wood	Ancient & Semi-Natural Woodland
3	857m W	Sidehill Wood	Ancient & Semi-Natural Woodland
4	1250m SW	Unknown	Ancient & Semi-Natural Woodland
-	1268m E	Mathams Wood	Ancient & Semi-Natural Woodland
-	1549m NE	Unknown	Ancient Replanted Woodland
-	1589m NE	Unknown	Ancient Replanted Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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



10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 63 >](#)

ID	Location	Name	Local Authority name
1	404m NE	London Green Belt	East Hertfordshire

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

2

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

Location	Name	Type	NVZ ID	Status
On site	LEE NVZ	Surface Water	443	Existing



Location	Name	Type	NVZ ID	Status
On site	LEE NVZ	Surface Water	443	Existing

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



SSSI Impact Zones and Units

10.17 SSSI Impact Risk Zones

Records on site

0

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.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

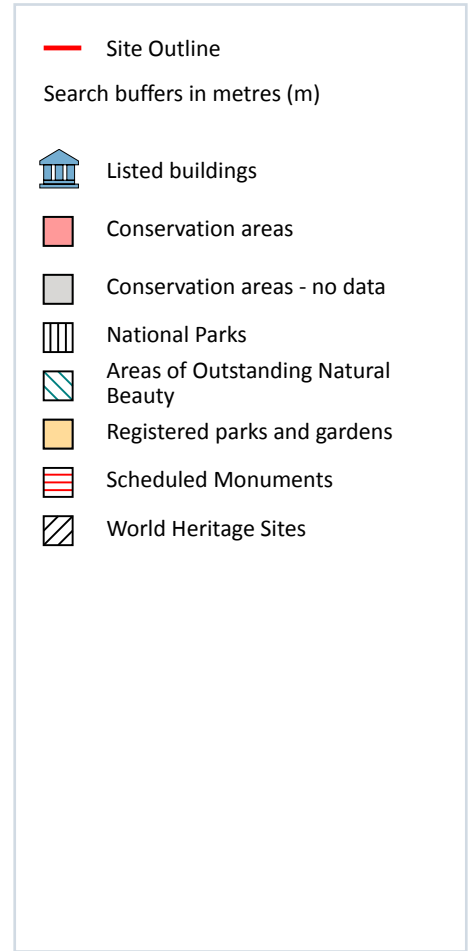
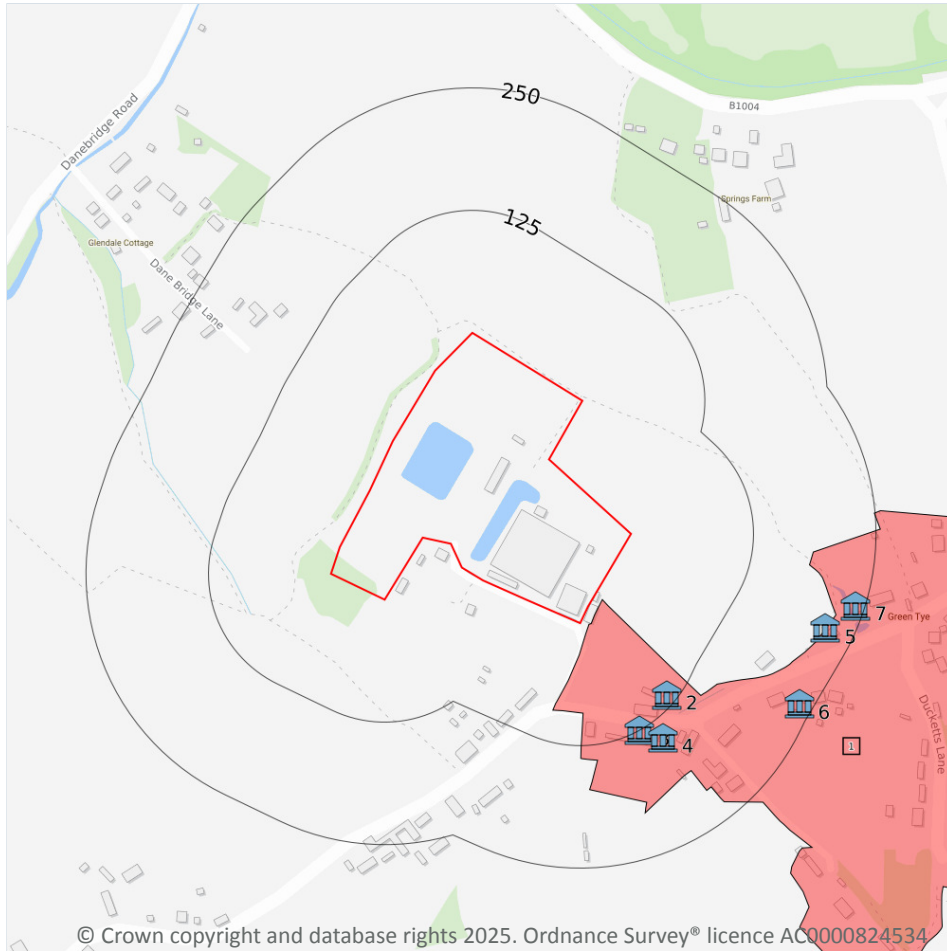
0

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

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



11 Visual and cultural designations



11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

6

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

Features are displayed on the Visual and cultural designations map on [page 70 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
2	115m SE	The Vineries	II	1212385	01/06/1984
3	125m SE	Hoplands House	II	1212384	30/04/1985
4	144m SE	Tumbledown Dicks	II	1289536	22/02/1967
5	221m SE	Green Tye Farm Cottage	II	1289572	30/04/1985
6	236m SE	Croft Cottage	II	1212383	30/04/1985
7	241m E	Dairy West Of Green Tye Farm House	II	1212382	30/04/1985



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

11.5 Conservation Areas

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on [page 70 >](#)

ID	Location	Name	District	Date of designation
1	9m SE	Green Tye	East Hertfordshire	26/02/1981

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

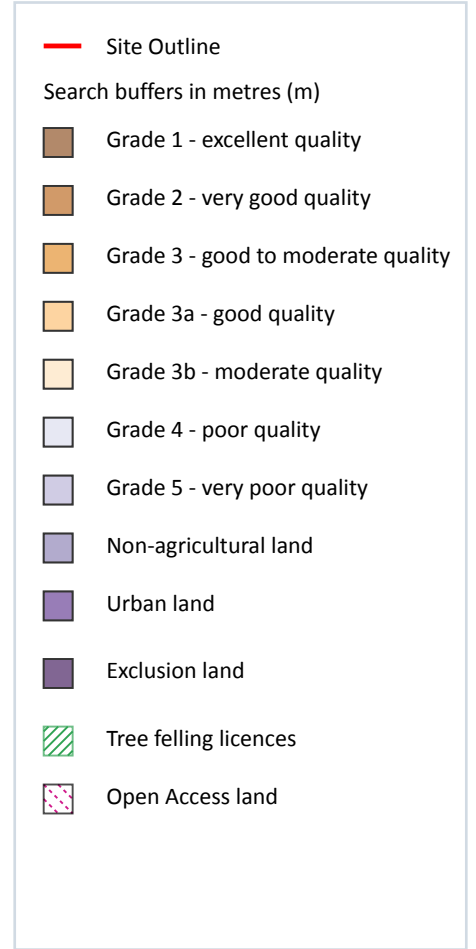
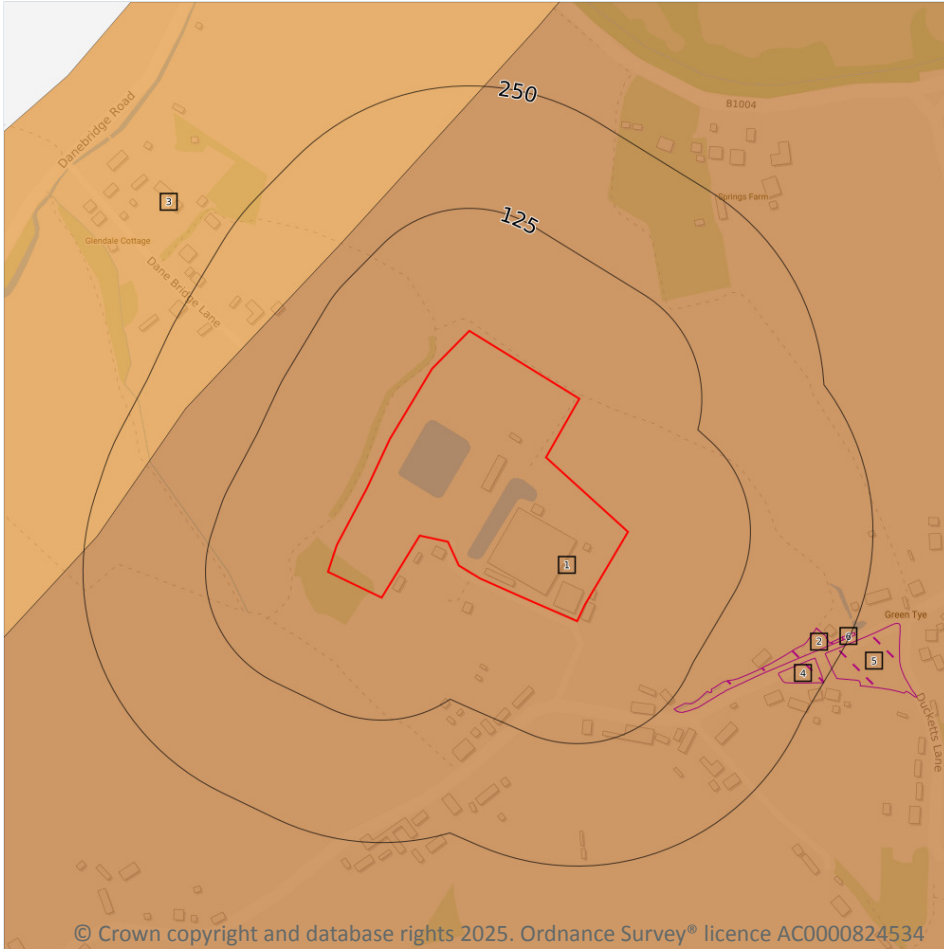
0

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

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



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

2

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 73](#) >

ID	Location	Classification	Description
1	On site	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.
3	155m NW	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

4

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 73 >](#)

ID	Location	Name	Classification	Other relevant legislation
2	134m SE	Green Tye	Section 4 Conclusive Registered Common Land	-
4	206m SE	Green Tye	Section 4 Conclusive Registered Common Land	-
5	237m SE	Green Tye	Section 4 Conclusive Registered Common Land	-
6	244m SE	Green Tye	Section 4 Conclusive Registered Common Land	-

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.



12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

3

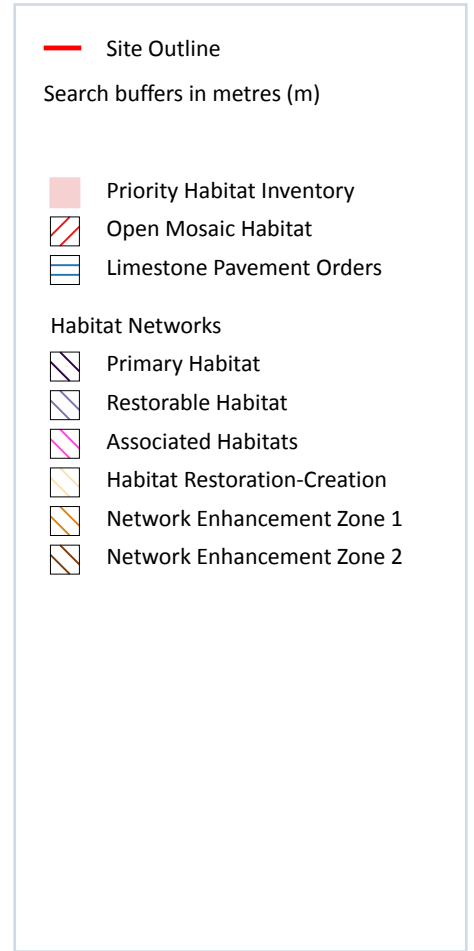
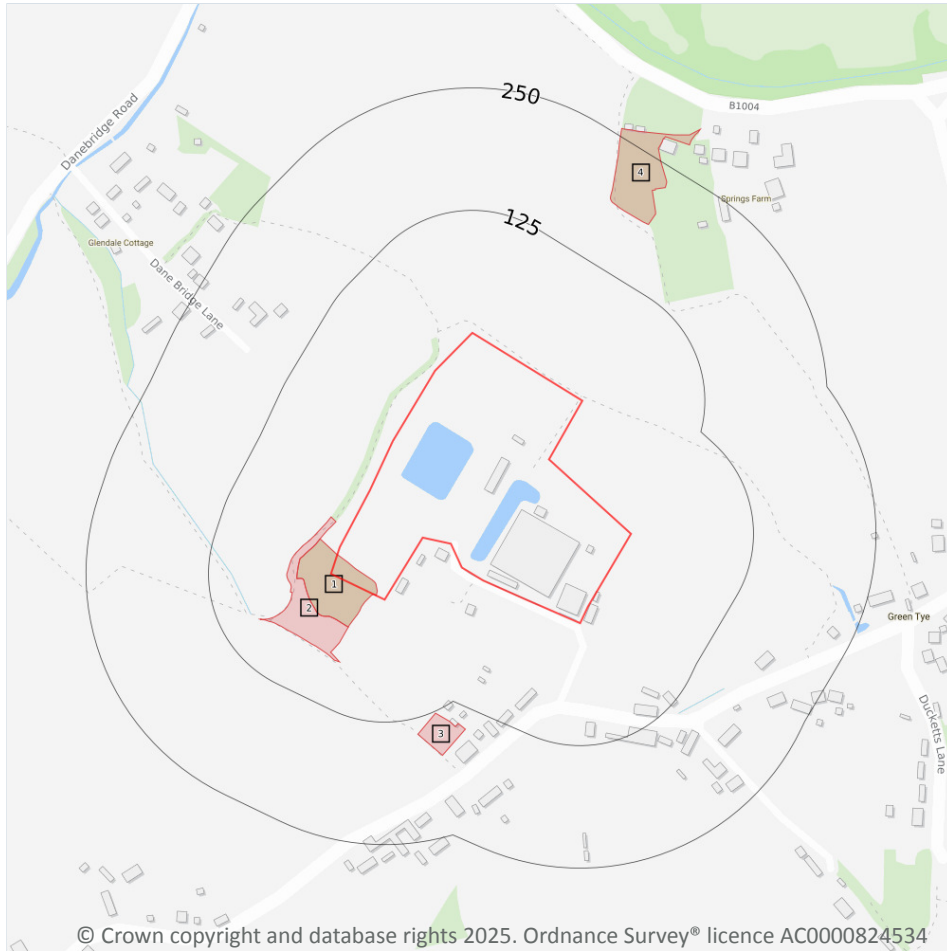
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	1086241	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
19m NW	1461928	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
93m S	1086241	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

4

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 76 >](#)

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	16m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	127m SE	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
4	187m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

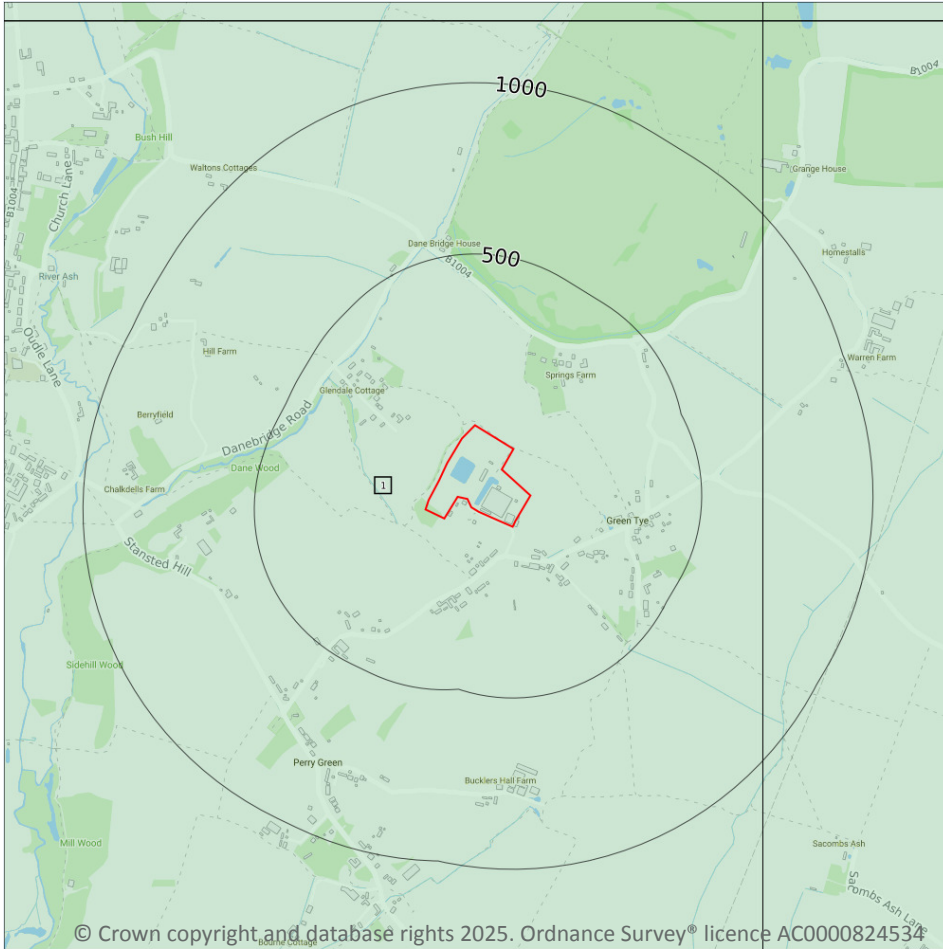
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Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable 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.



14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 78](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	TL41NW

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

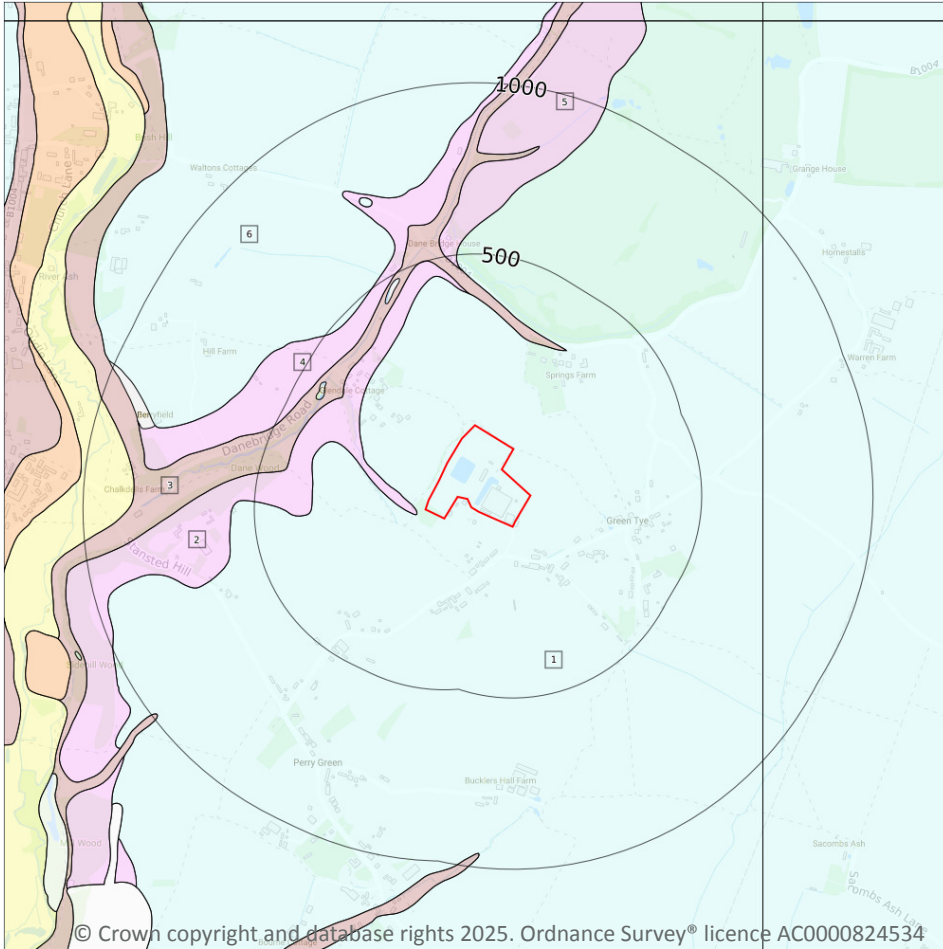
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



- 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

6

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 80](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	LOFT-DMTN	Lowestoft Formation-Diamicton	Diamicton
2	27m W	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene-Sand And Gravel	Sand and gravel
3	292m NE	HEAD-XCZSV	Head-Clay, Silt, Sand And Gravel	Clay, silt, sand and gravel



ID	Location	LEX Code	Description	Rock description
4	413m NW	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene-Sand And Gravel	Sand and gravel
5	454m N	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene-Sand And Gravel	Sand and gravel
6	480m NW	LOFT-DMTN	Lowestoft Formation-Diamicton	Diamicton

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

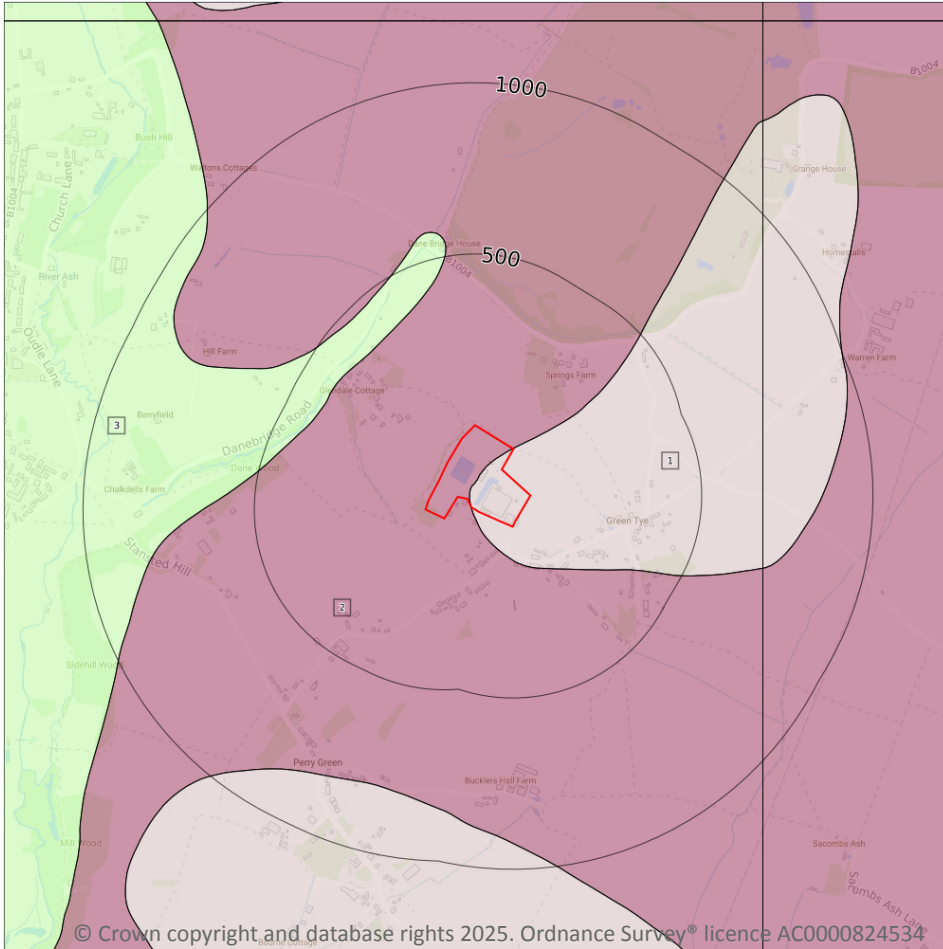
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



- 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

3

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 82 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	LC-XCZS	London Clay Formation-Clay, Silt And Sand	Ypresian
2	On site	TALM-XCZS	Thanet Formation And Lambeth Group (Undifferentiated)- Clay, Silt And Sand	Not Defined
3	366m NW	SECK-CHLK	Seaford Chalk Formation-Chalk	Coniacian



This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

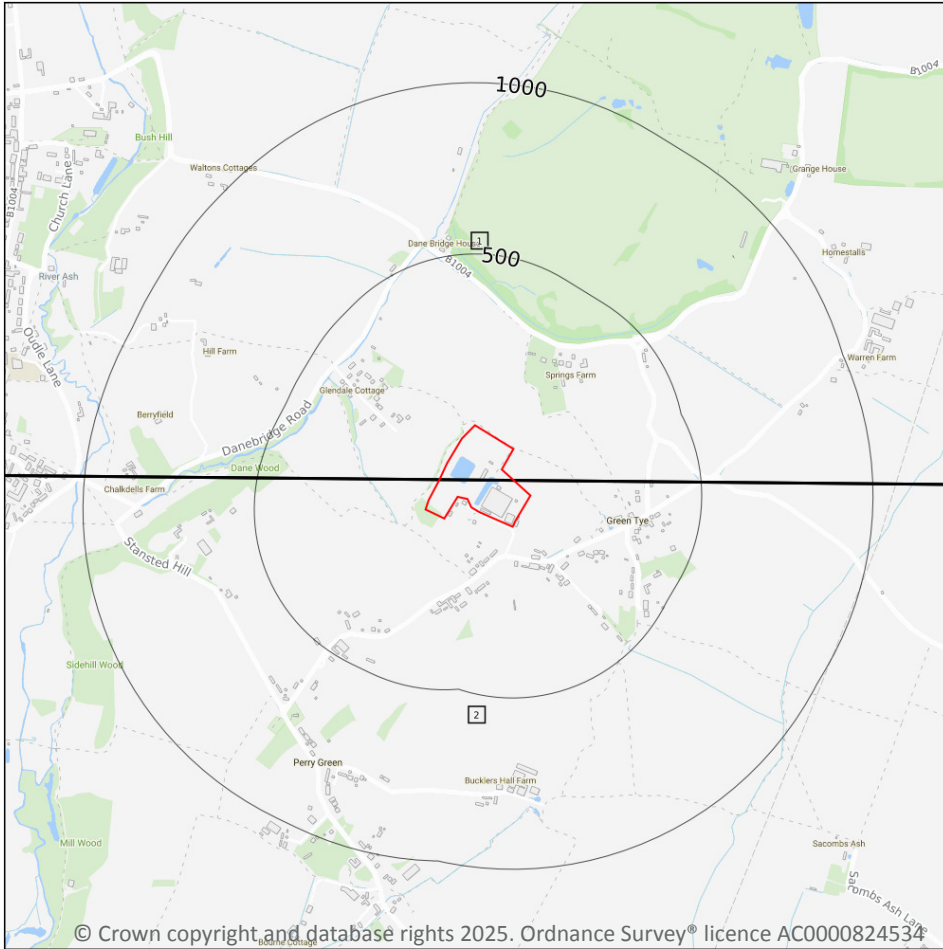
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
Search buffers in metres (m)

□ Geological map tile

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15.1 50k Availability

Records within 500m

2

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 84](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW222_great_dunmow_v4
2	On site	Full	Full	Full	Full	EW240_epping_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

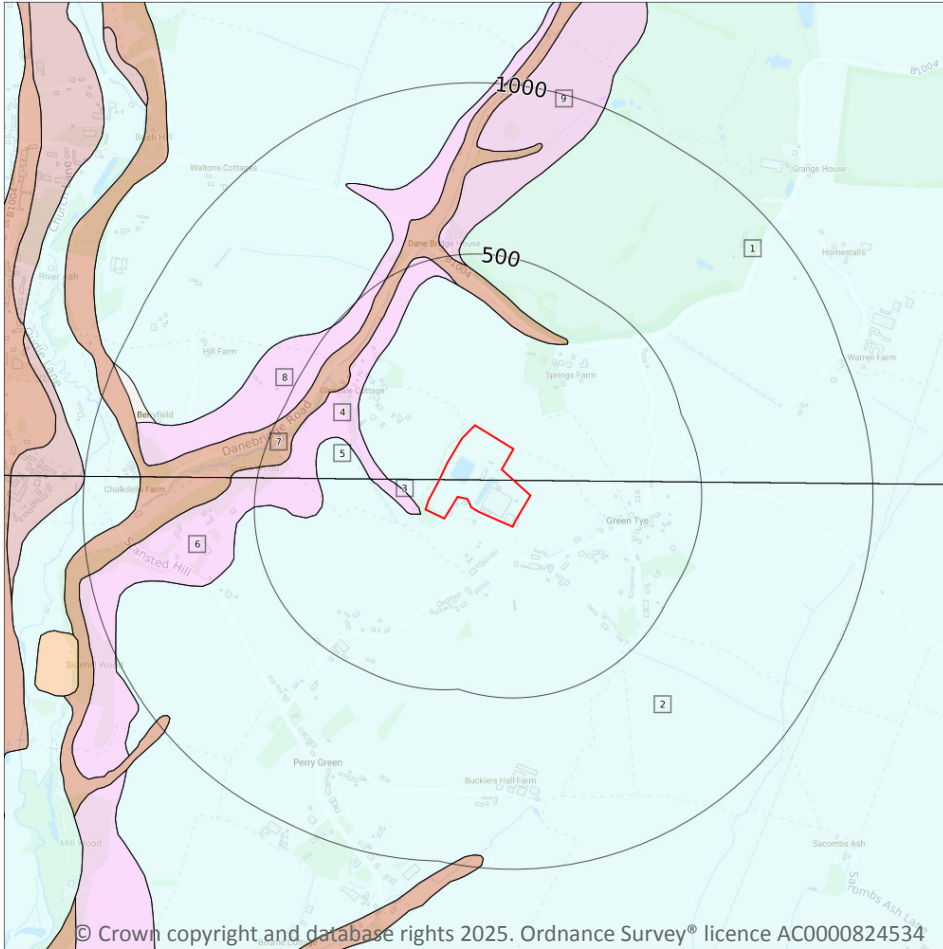
0

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

This data is sourced from the British Geological Survey.



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

9

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 86 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	LOFT-DMTN	Lowestoft Formation	Diamicton
2	On site	LOFT-DMTN	Lowestoft Formation	Diamicton
3	18m W	GFDMP-XSV	Glaciofluvial deposits, Mid Pleistocene	Sand and gravel
4	133m NW	GFDMP-XSV	Glaciofluvial deposits, Mid Pleistocene	Sand and gravel



ID	Location	LEX Code	Description	Rock description
5	181m W	LOFT-DMTN	Lowestoft Formation	Diamicton
6	301m W	GFDMP-XSV	Glaciofluvial deposits, Mid Pleistocene	Sand and gravel
7	302m NE	HEAD- XCZSV	Head	Clay, silt, sand and gravel
8	432m NW	GFDMP-XSV	Glaciofluvial deposits, Mid Pleistocene	Sand and gravel
9	465m N	GFDMP-XSV	Glaciofluvial deposits, Mid Pleistocene	Sand and gravel

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

2

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	Mixed	Moderate	Low
17m W	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

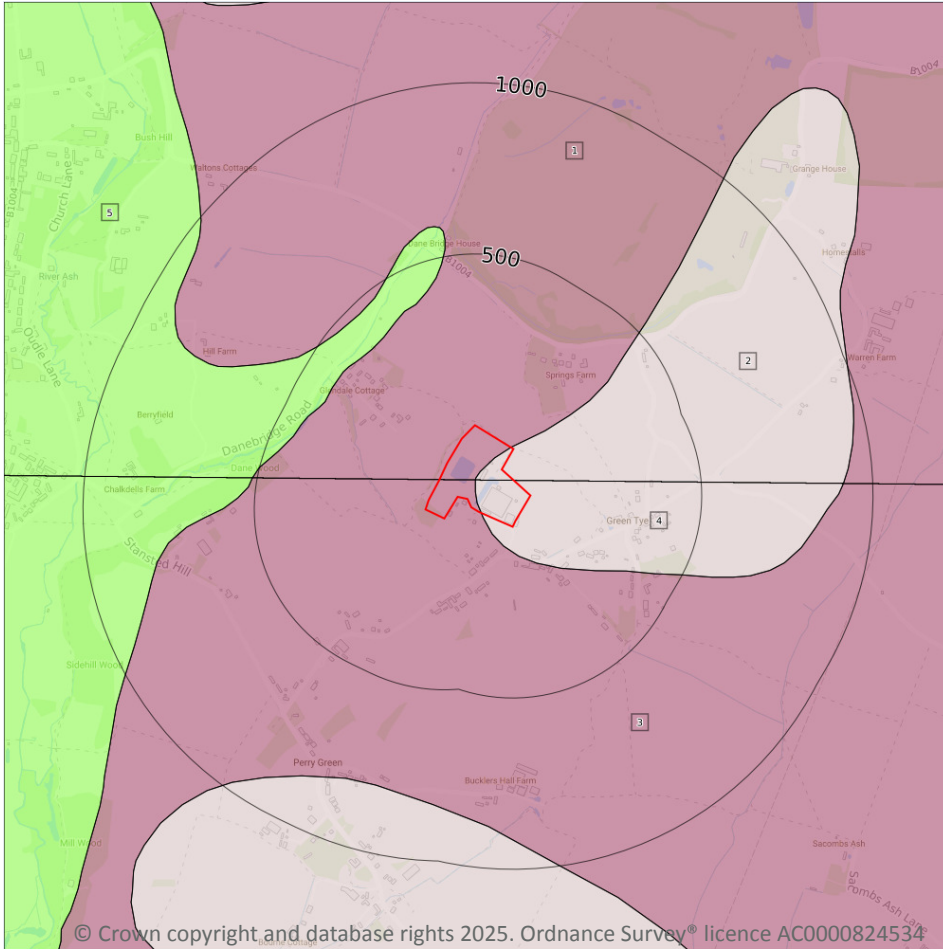
0

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.



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

5

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 88](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	TALM-XCZS	Thanet Formation And Lambeth Group (Undifferentiated)- Clay, silt and sand	Not Defined
2	On site	LC-XCZS	London Clay Formation-Clay, silt and sand	Ypresian
3	On site	TALM-XCZS	Thanet Formation And Lambeth Group (Undifferentiated)- Clay, silt and sand	Not Defined



ID	Location	LEX Code	Description	Rock age
4	On site	LC-XCZS	London Clay Formation-Clay, silt and sand	Ypresian
5	370m NW	LESE-CHLK	Lewes Nodular Chalk Formation And Seaford Chalk Formation (Undifferentiated)-Chalk	Turonian

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

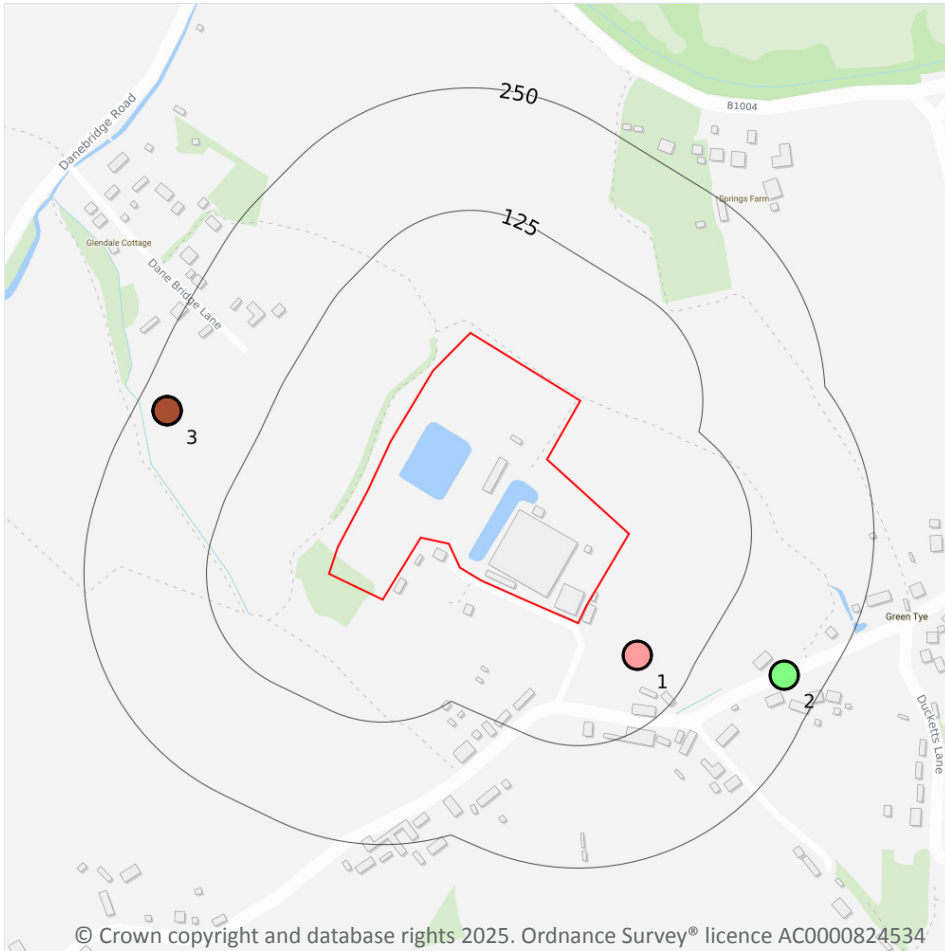
0

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.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

3

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.

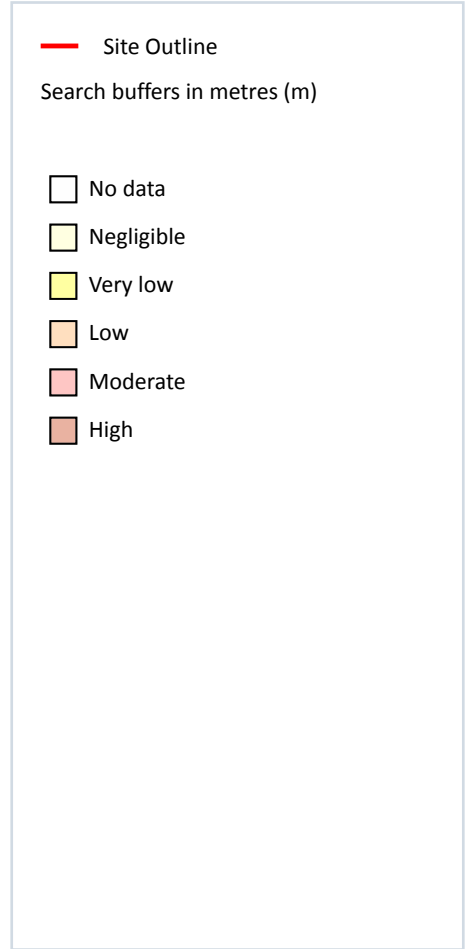
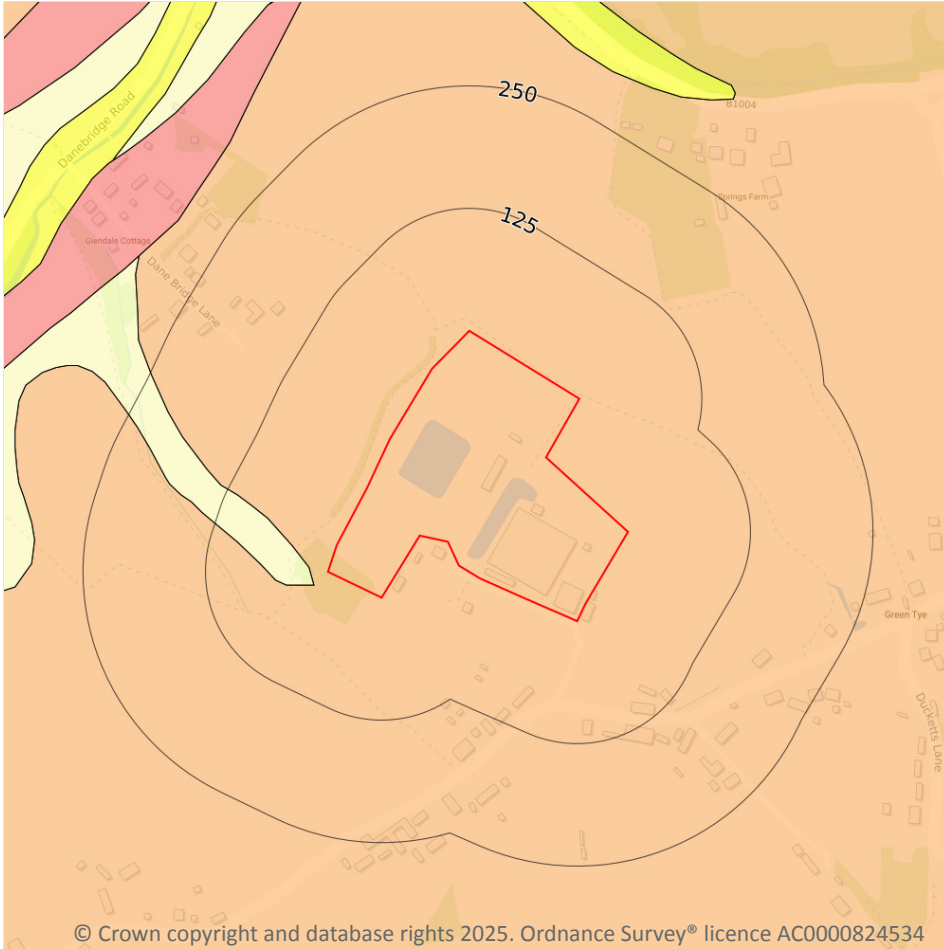
Features are displayed on the Boreholes map on [page 90](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	69m SE	544330 218490	THE VINERIES, GREEN TYE	76.2	N	540157 ↗
2	210m SE	544480 218470	PUBLIC WELL, GREEN TYE	27.12	N	540156 ↗
3	219m NW	543850 218740	MUCH HADHAM	-1.0	N	540139 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

2

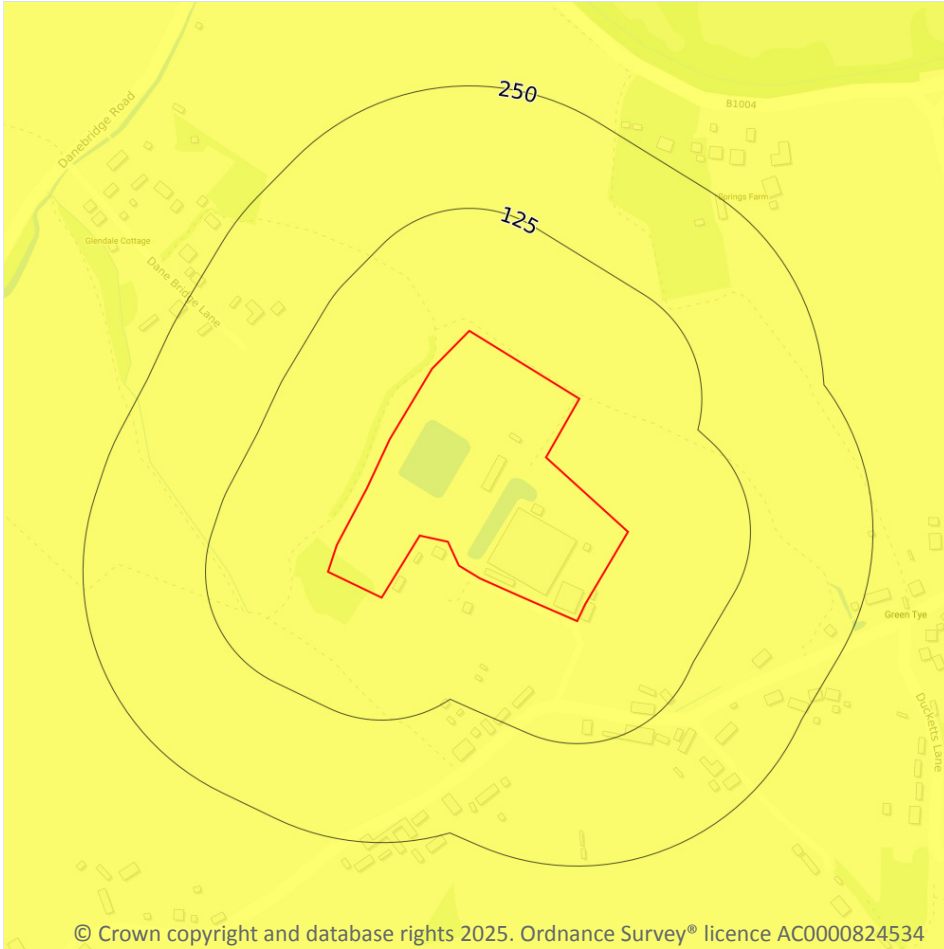
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 92 >](#)

Location	Hazard rating	Details
On site	Low	Ground conditions predominantly medium plasticity.
18m W	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



— Site Outline
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.2 Running sands

Records within 50m

1

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

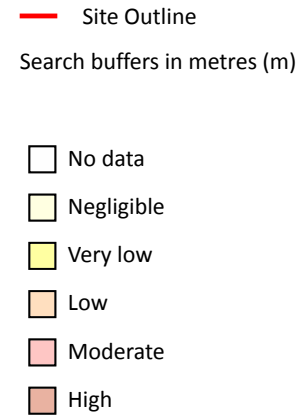
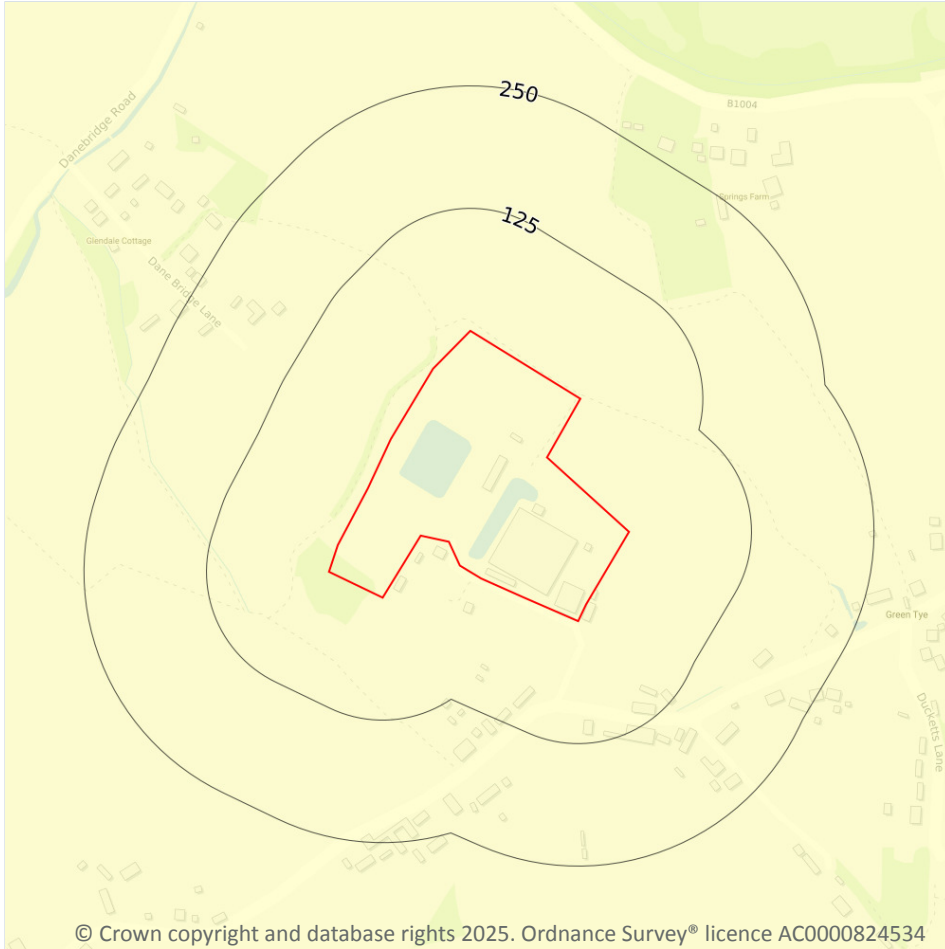
Features are displayed on the Natural ground subsidence - Running sands map on [page 93](#) >

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

1

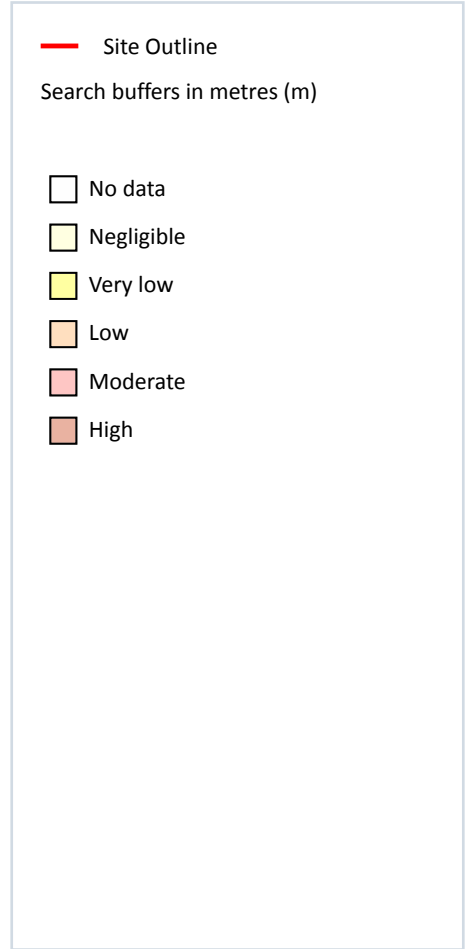
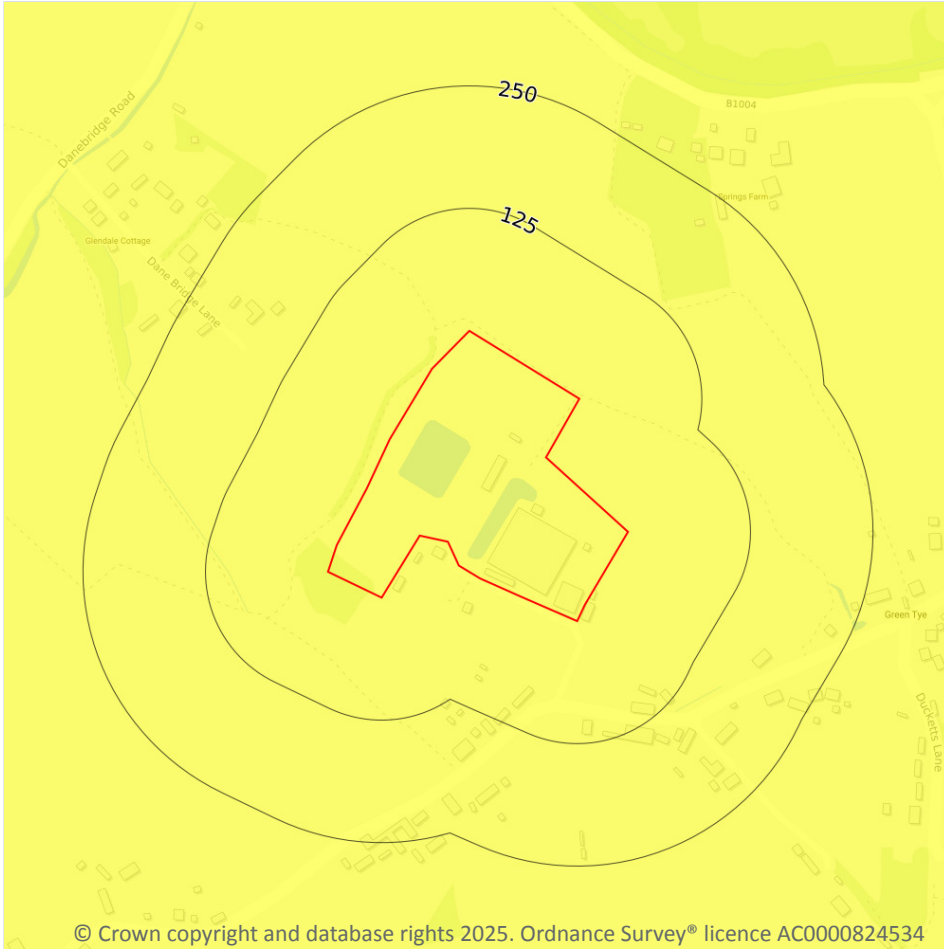
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 94 >](#)

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

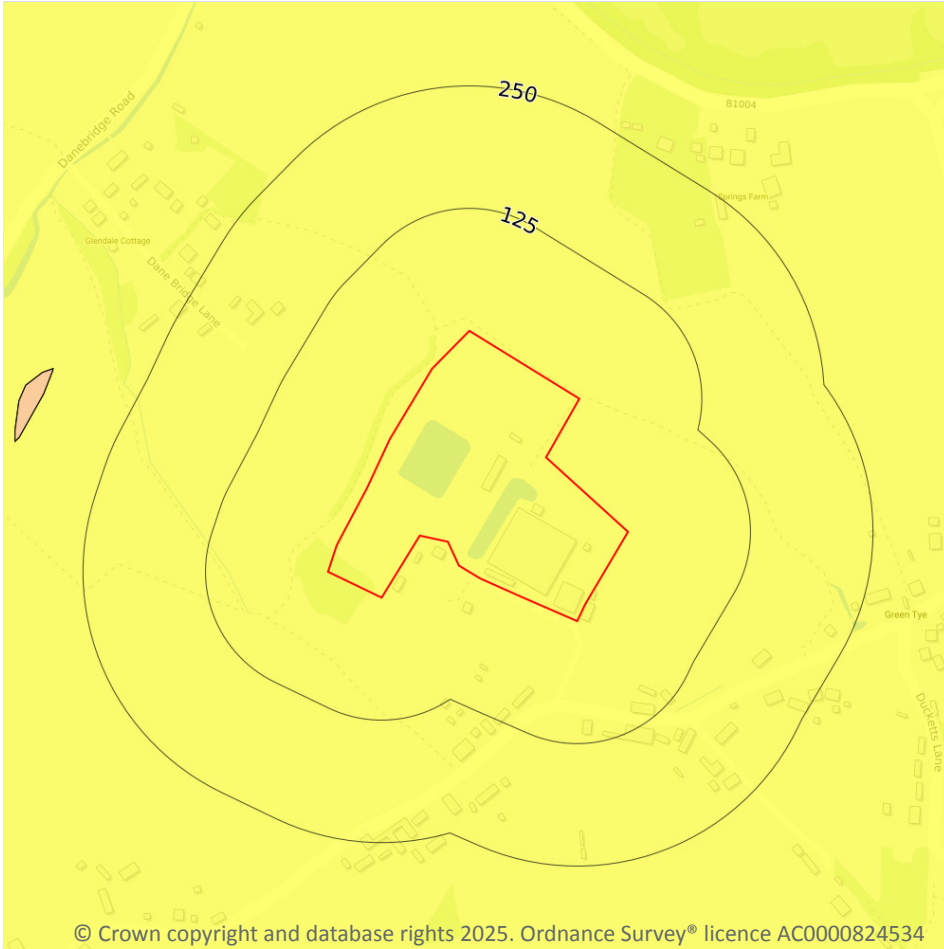
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 95 >](#)

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



— Site Outline
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

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.

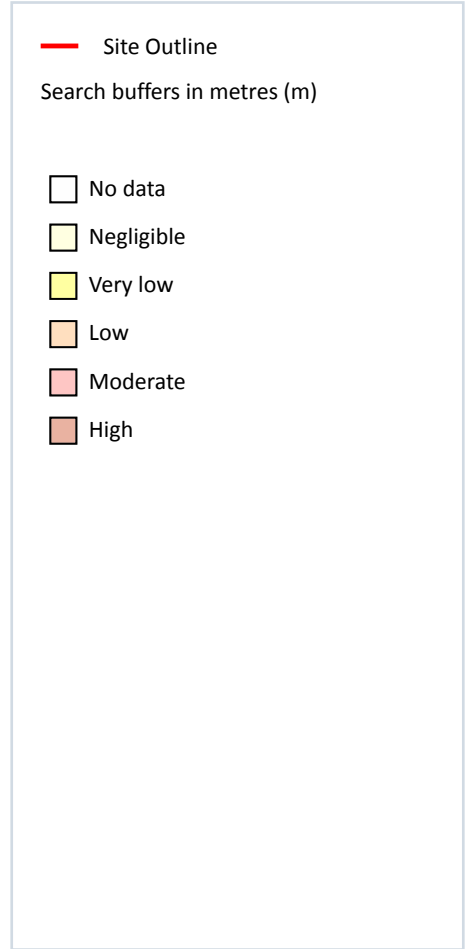
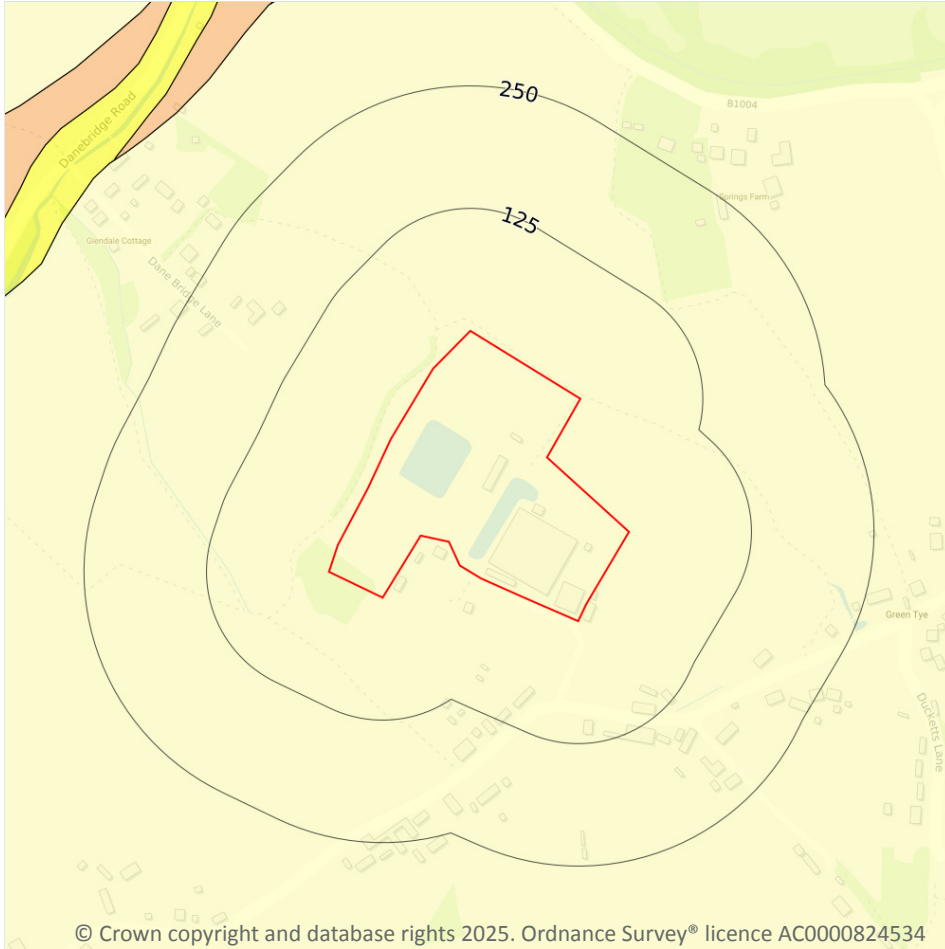
Features are displayed on the Natural ground subsidence - Landslides map on [page 96 >](#)

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.



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.

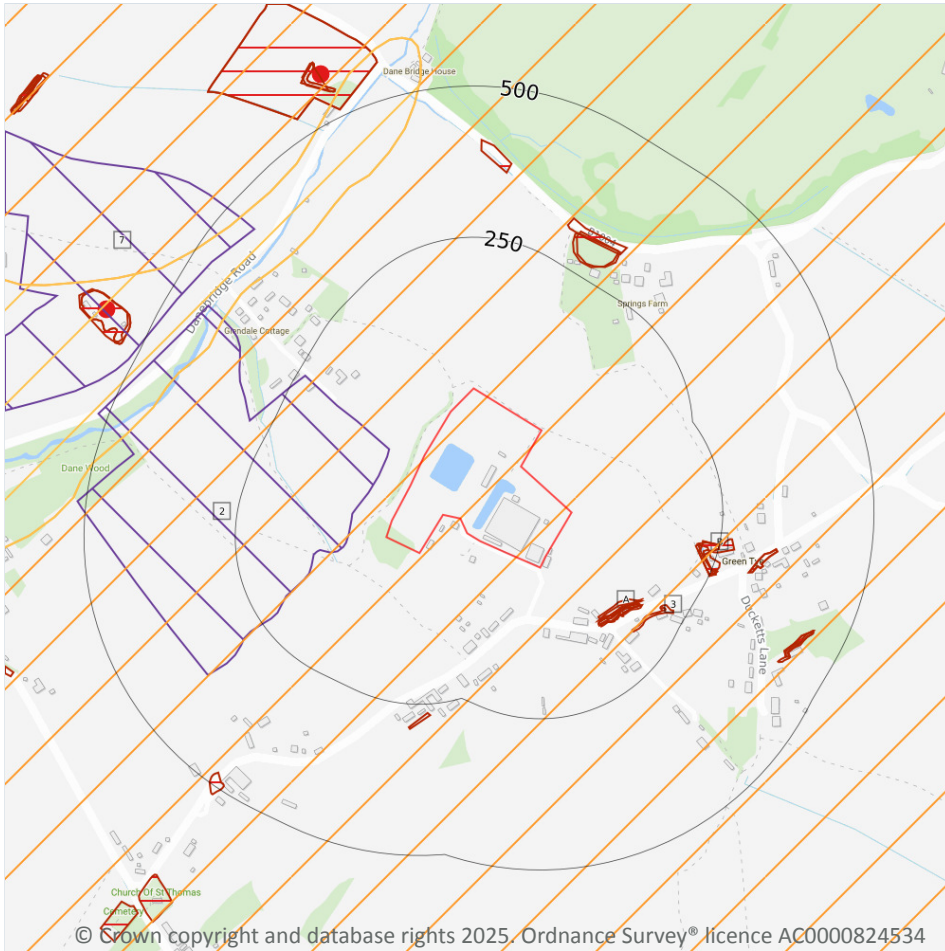
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 97](#)

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.

This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

11

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

Features are displayed on the Mining and ground workings map on [page 99 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
A	126m SE	Pond	1980	1:10000
A	130m SE	Pond	1951	1:10560
A	133m SE	Pond	1947	1:10560
A	133m SE	Pond	1922	1:10560
A	133m SE	Pond	1896	1:10560
A	137m SE	Pond	1883	1:10560
3	184m SE	Pond	1883	1:10560
B	213m E	Ponds	1883	1:10560
B	216m E	Pond	1980	1:10000
B	219m E	Ponds	1947	1:10560
B	219m E	Ponds	1922	1:10560

This is data is sourced from Ordnance Survey®/Groundsure.

18.3 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey®/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

2

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.

Features are displayed on the Mining and ground workings map on [page 99 >](#)

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
2	54m NW	Little Hill	Sand and gravel	Surface mineral working	Refused	03/01/57
7	443m NW	Little Hill	Sand and gravel	Surface mineral working	Refused	03/01/57

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

3

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

Features are displayed on the Mining and ground workings map on [page 99 >](#)

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Chalk	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.
6	370m NW	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	679m E	Not available	Chalk	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.

This data is sourced from the British Geological Survey.



18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.



18.11 BGS mine plans

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

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

This data is sourced from Groundsure.

18.12 Coal mining

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

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

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

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

18.14 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.



18.16 Clay mining

Records on site

0

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

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



19 Ground cavities and sinkholes

19.1 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.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

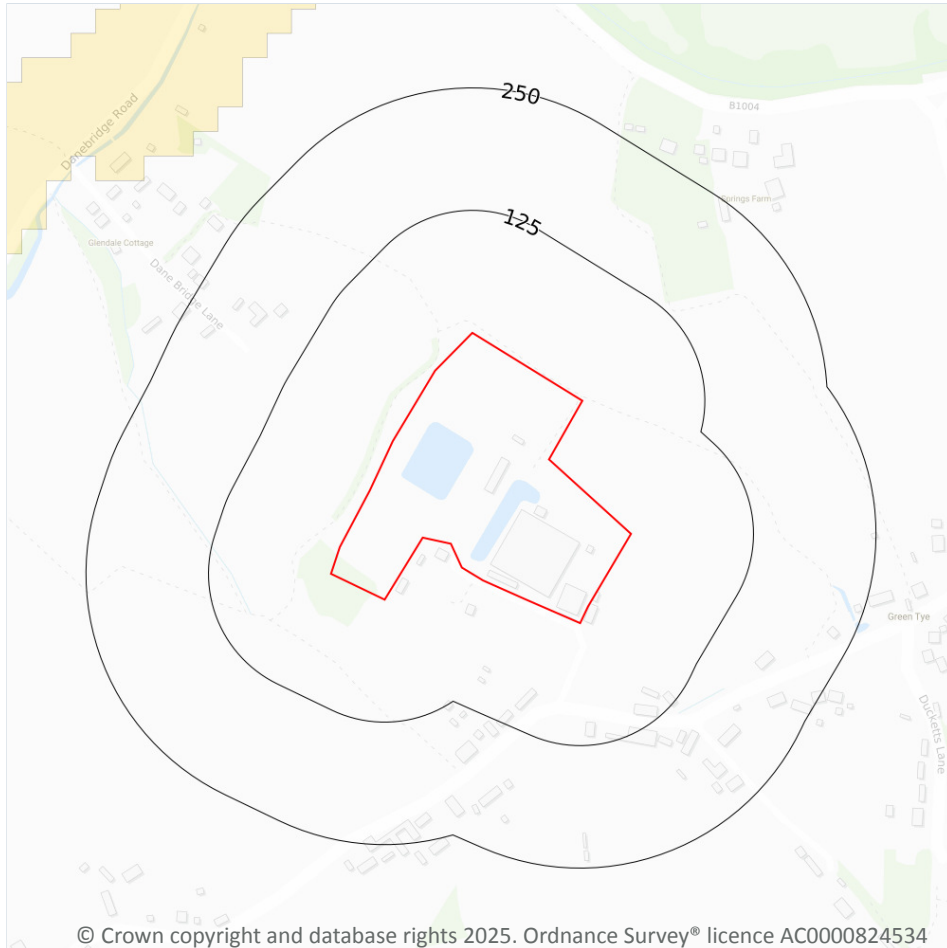
Not all 'holes' noted on Ordnance Survey® mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



— Site Outline
Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 107 >](#)

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

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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

11

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 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
15m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
17m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
18m SW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
20m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
23m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
44m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
50m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.



21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

21.3 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.



22 Railway infrastructure and projects

22.1 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.

22.2 Underground railways (Non-London)

Records within 250m 0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m 0

Railway tunnels taken from contemporary Ordnance Survey® mapping.

This data is sourced from the Ordnance Survey®.

22.4 Historical railway and tunnel features

Records within 250m 0

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

This data is sourced from Ordnance Survey®/Groundsure.

22.5 Royal Mail tunnels

Records within 250m 0

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



This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey® and OpenStreetMap.

22.8 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

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Site Details:

Guy & Wright, Green Tye, Much Hadham

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Report Ref: GS-8LZ-KC8-1BK-VA7
Grid Ref: 544168, 218671

Map Name: County Series

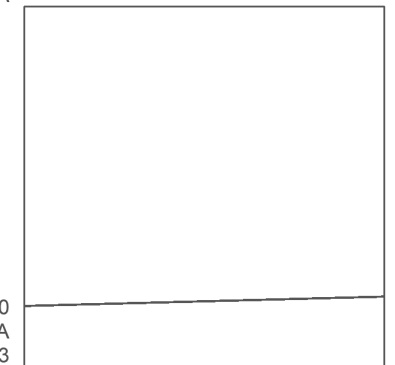
Map date: 1883

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1878
 Revised N/A
 Edition 1883
 Copyright N/A
 Levelled N/A



Surveyed 1880
 Revised N/A
 Edition 1883
 Copyright N/A
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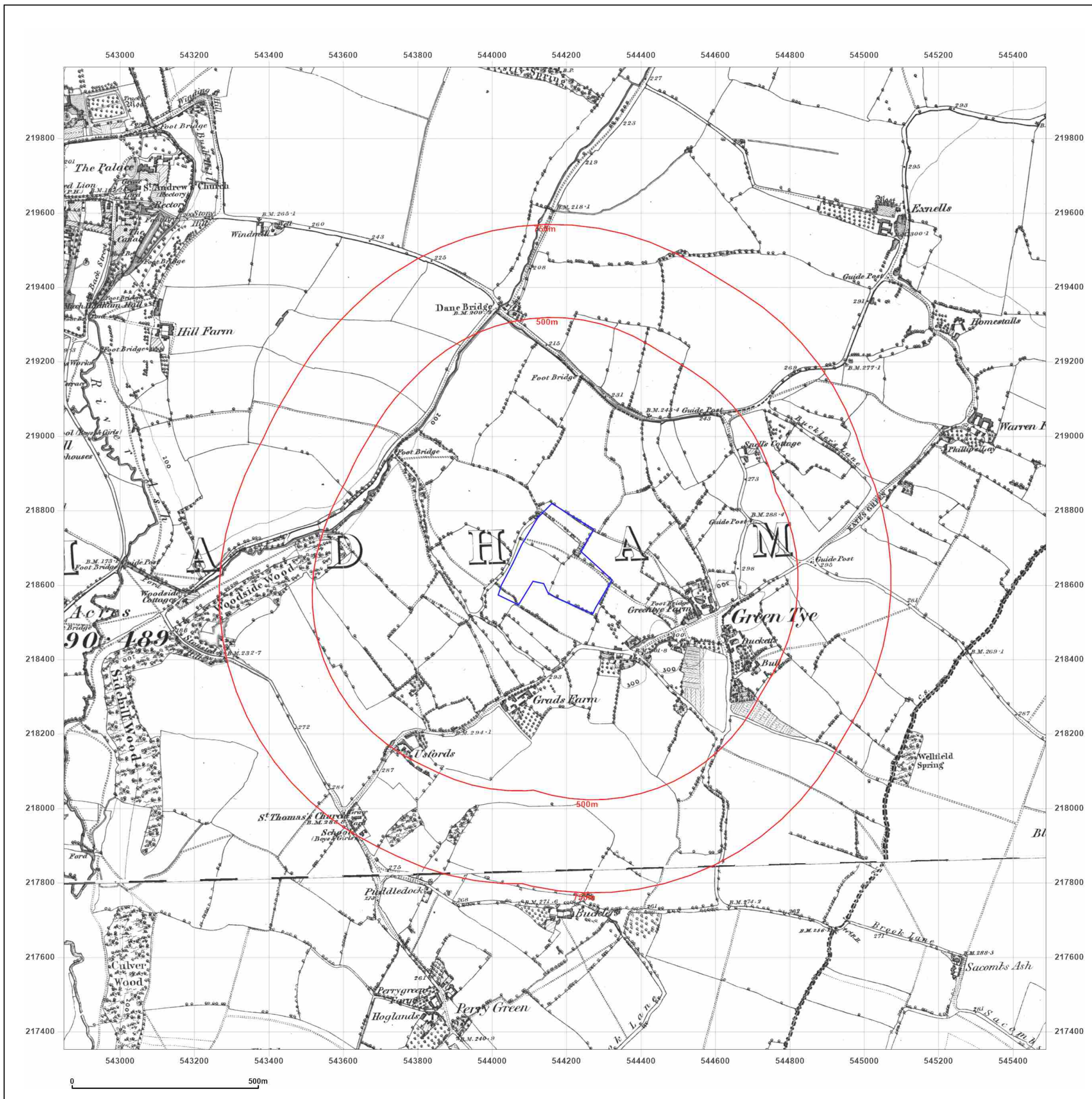


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Grid Ref: 544168, 218671

Map Name: County Series

Map date: 1896

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1879
 Revised 1896
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Surveyed 1879
 Revised 1896
 Edition N/A
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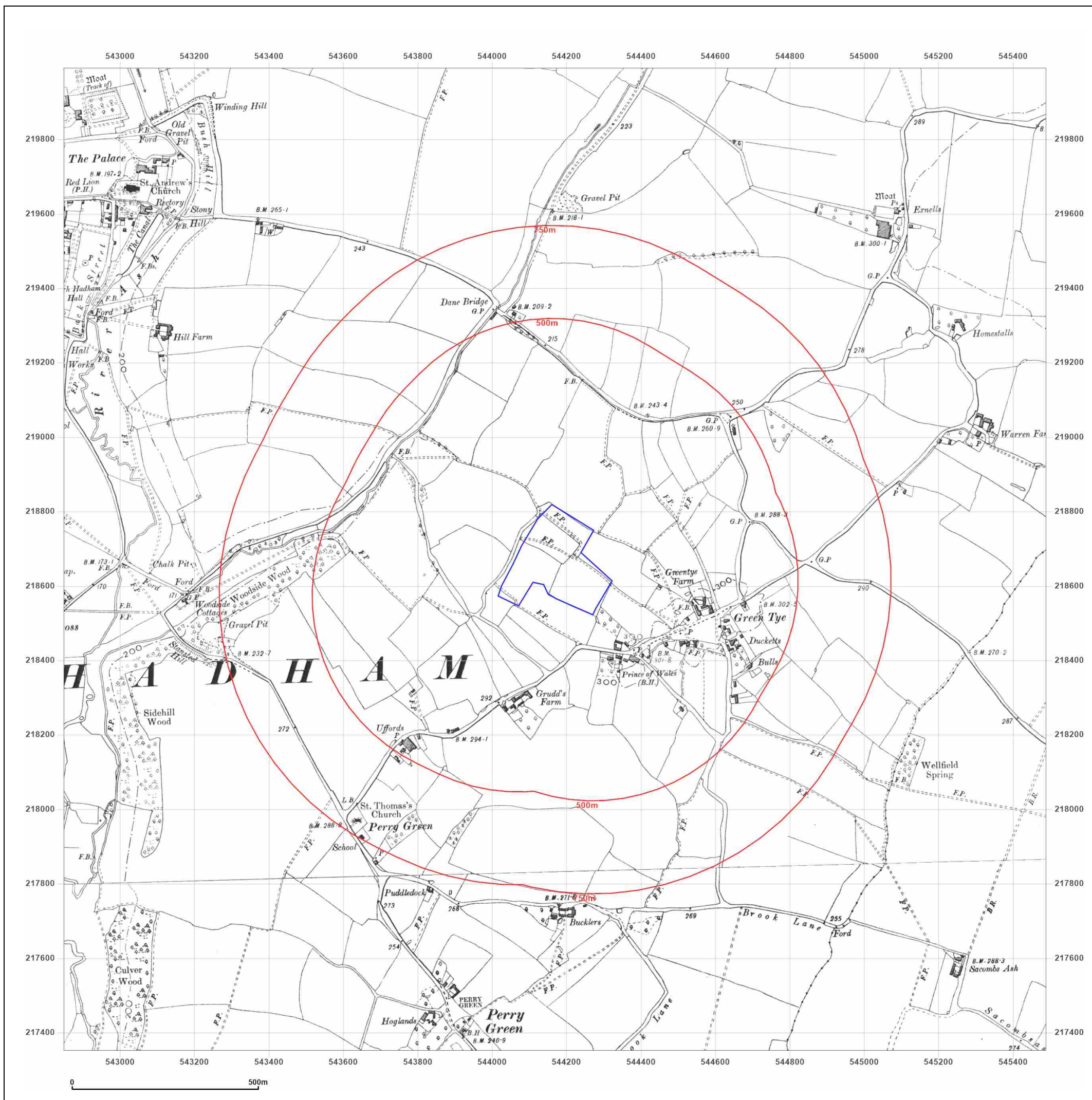


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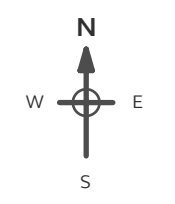
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Report Ref: GS-8LZ-KC8-1BK-VA7
Grid Ref: 544168, 218671

Map Name: County Series

Map date: 1946-1947

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1878
 Revised 1947
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1878
 Revised 1946
 Edition N/A
 Copyright N/A
 Levelled N/A

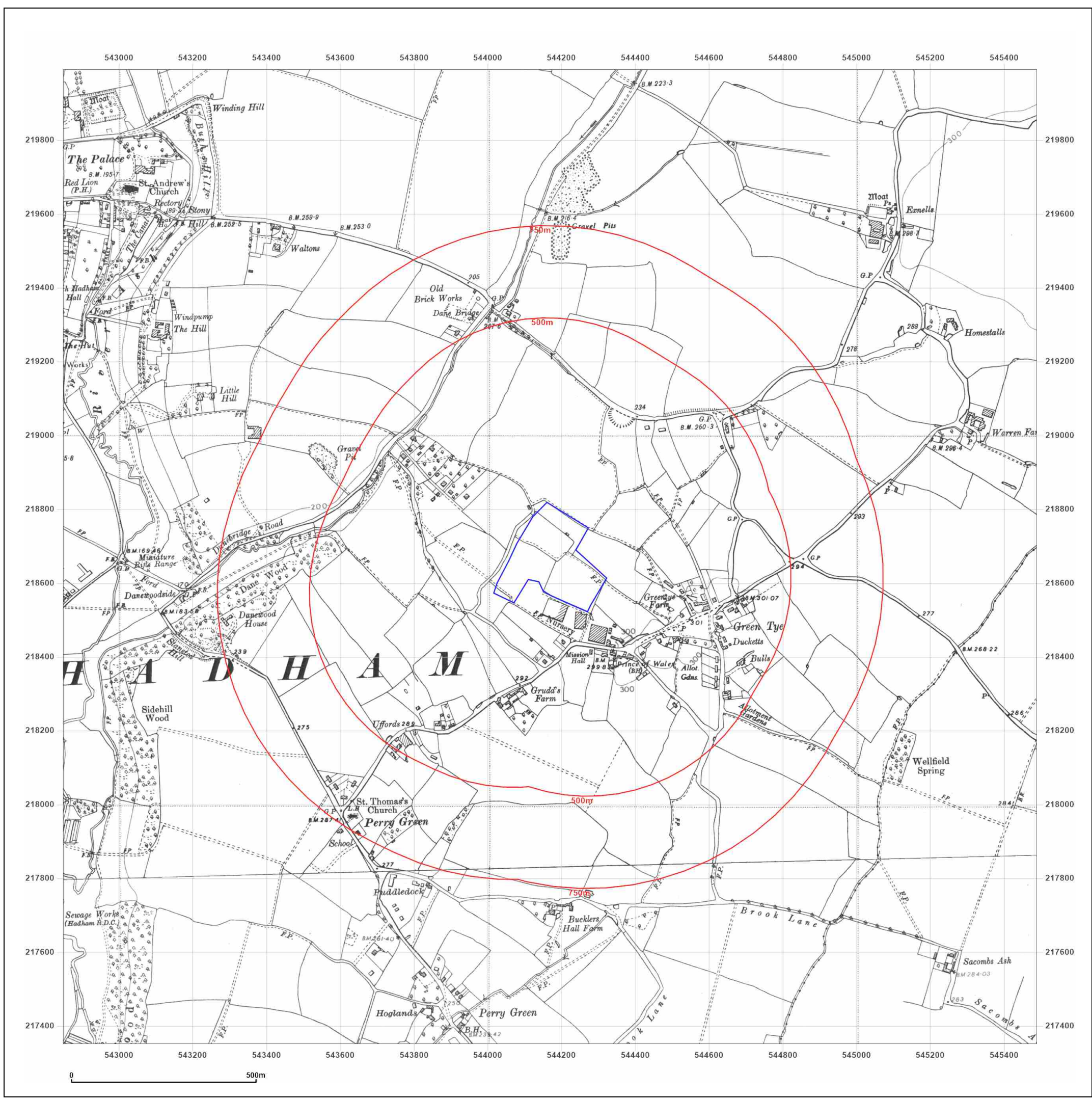


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0 500m

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Grid Ref: 544168, 218671

Map Name: Provisional

Map date: 1951

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1951
 Revised 1951
 Edition N/A
 Copyright N/A
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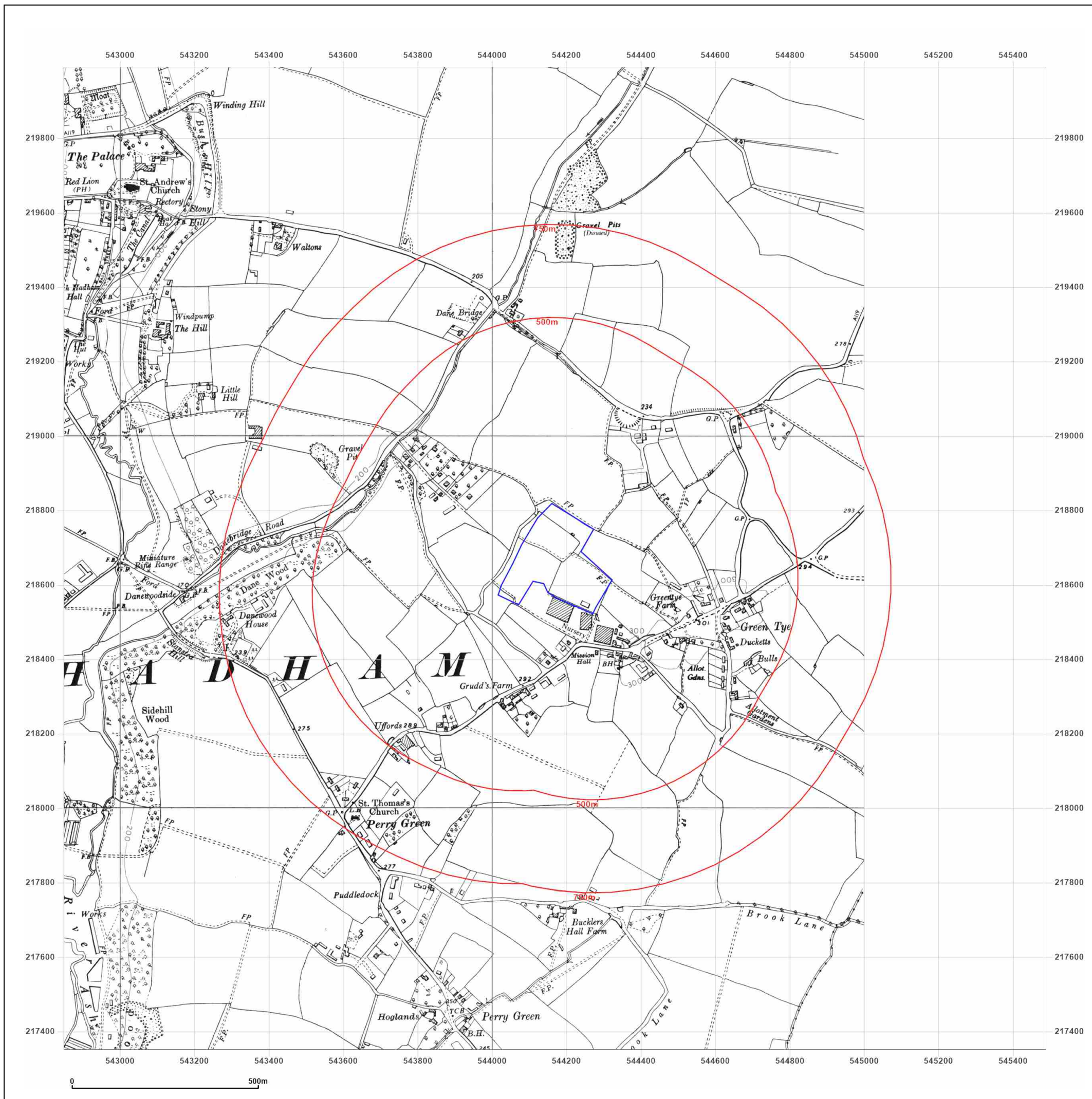


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Client Ref: PO WE-3371
Report Ref: GS-8LZ-KC8-1BK-VA7
Grid Ref: 544168, 218671

Map Name: National Grid

Map date: 1980-1981

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1976
 Revised 1980
 Edition N/A
 Copyright N/A
 Levelled N/A

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

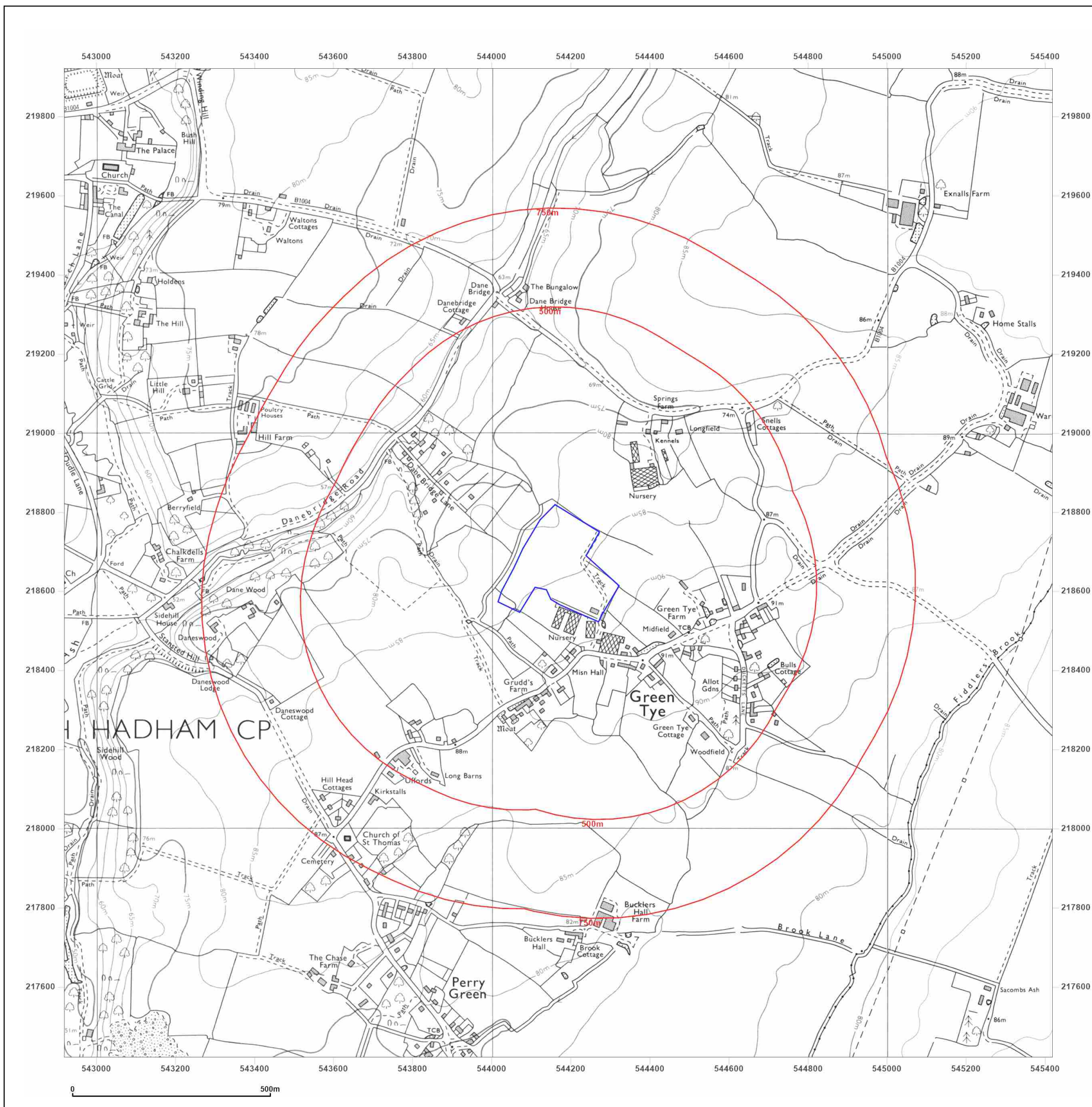


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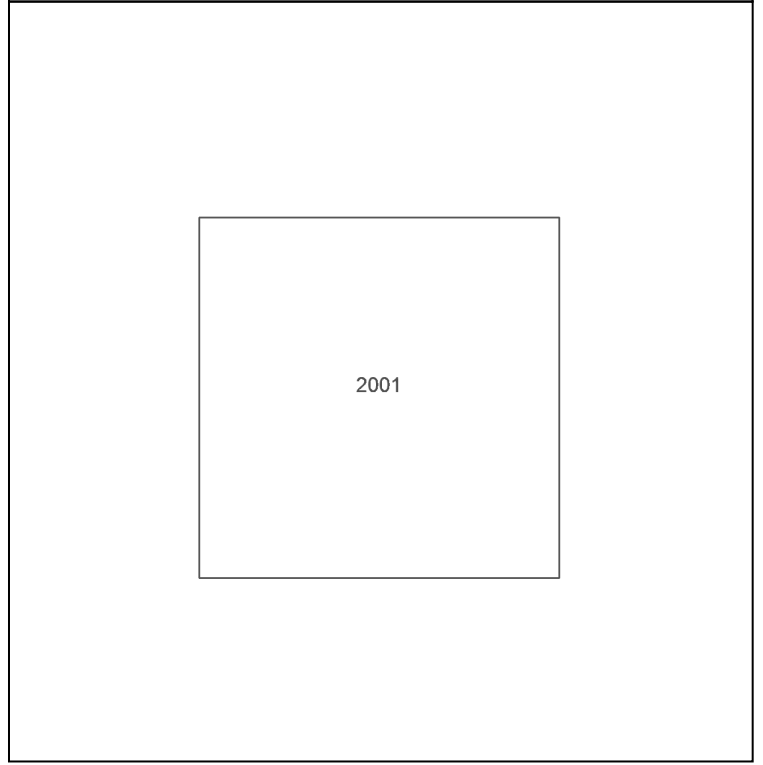
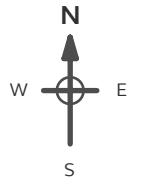
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Client Ref: PO WE-3371
Report Ref: GS-8LZ-KC8-1BK-VA7
Grid Ref: 544168, 218671

Map Name: National Grid
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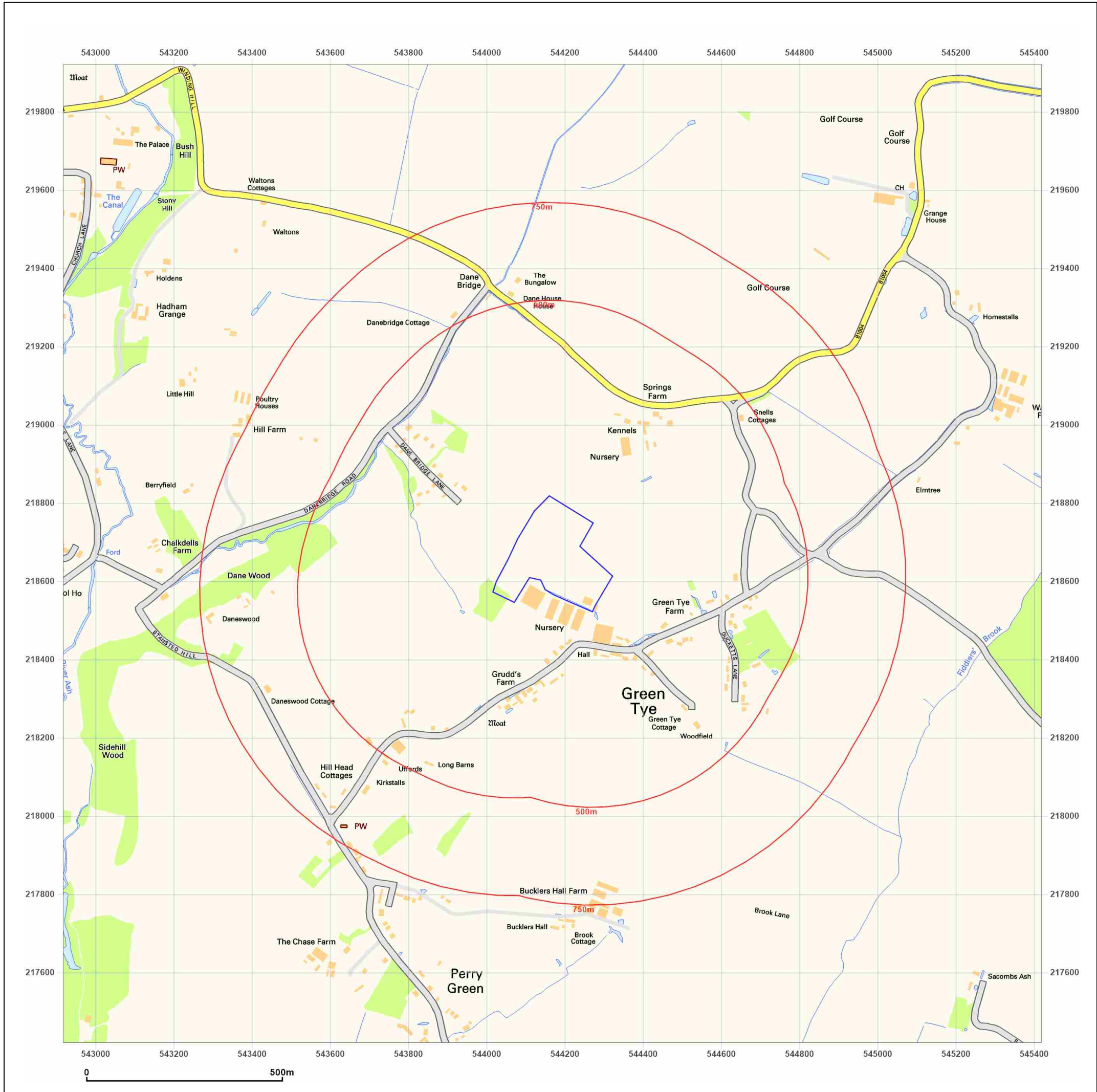


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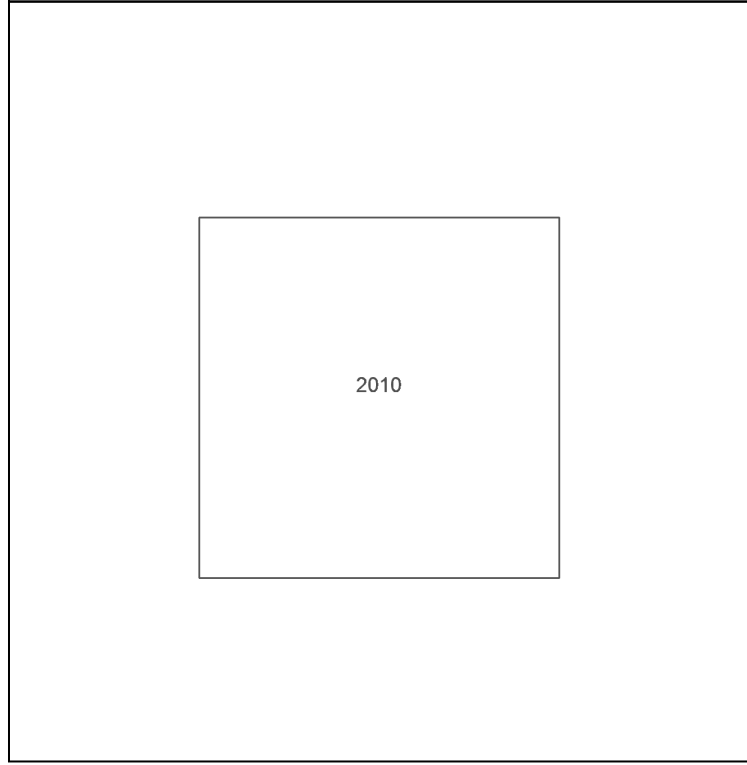
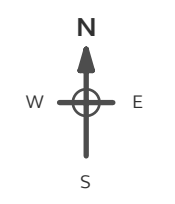
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Report Ref: GS-8LZ-KC8-1BK-VA7
Grid Ref: 544168, 218671

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

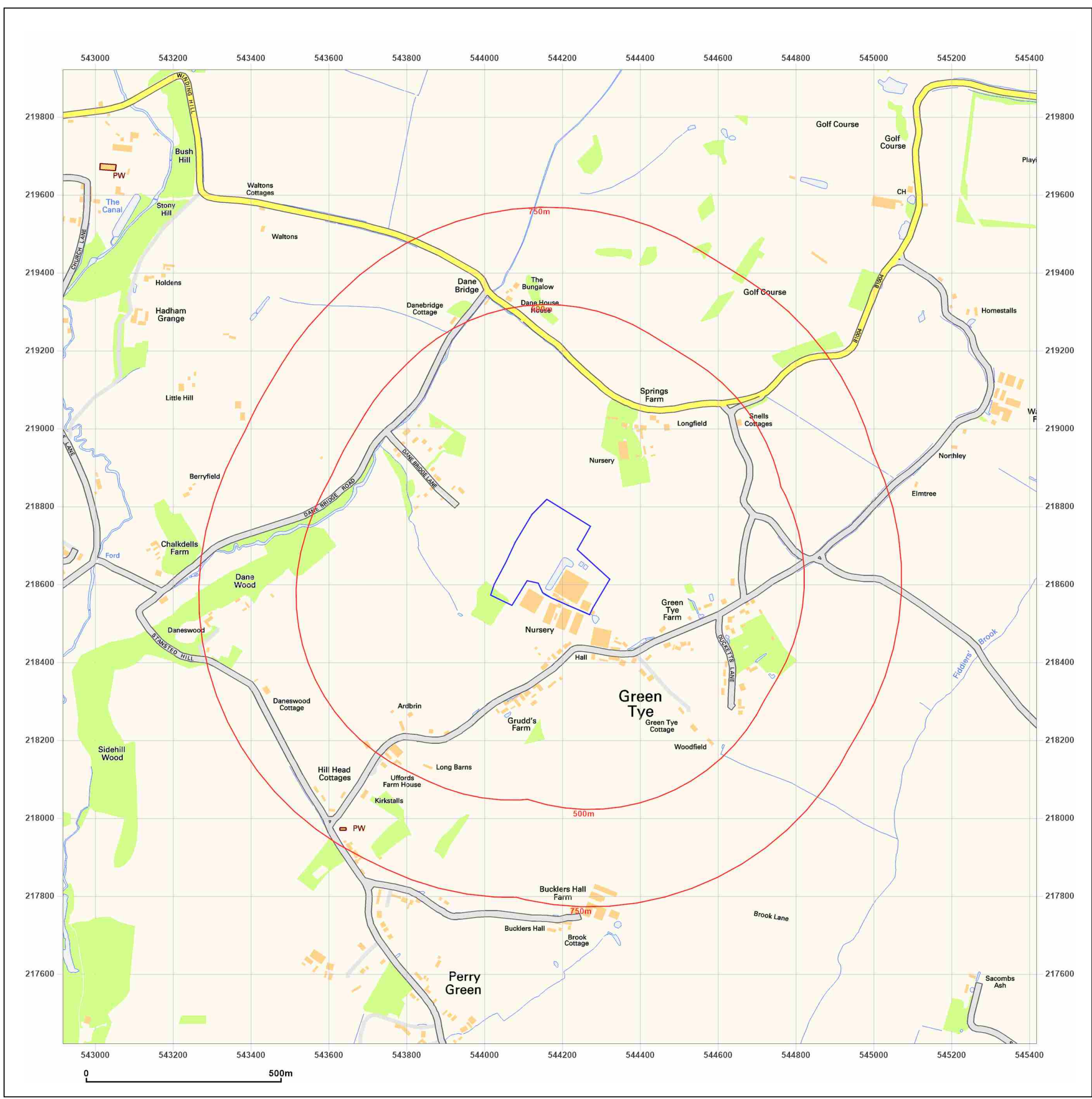


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www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Guy & Wright, Green Tye, Much Hadham

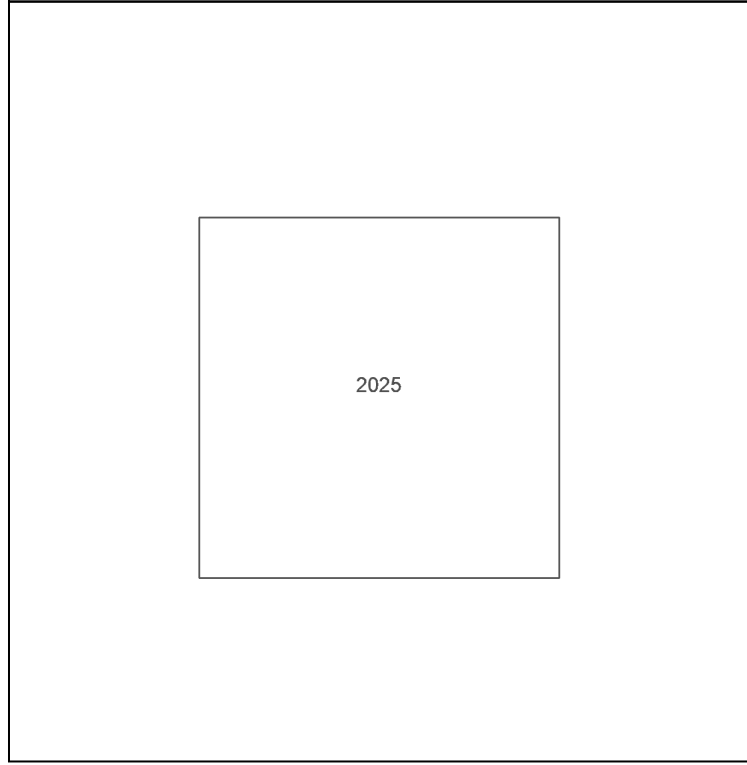
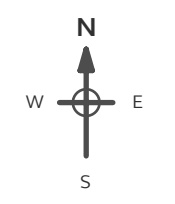
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Report Ref: GS-8LZ-KC8-1BK-VA7
Grid Ref: 544168, 218671

Map Name: National Grid

Map date: 2025

Scale: 1:10,000

Printed at: 1:10,000

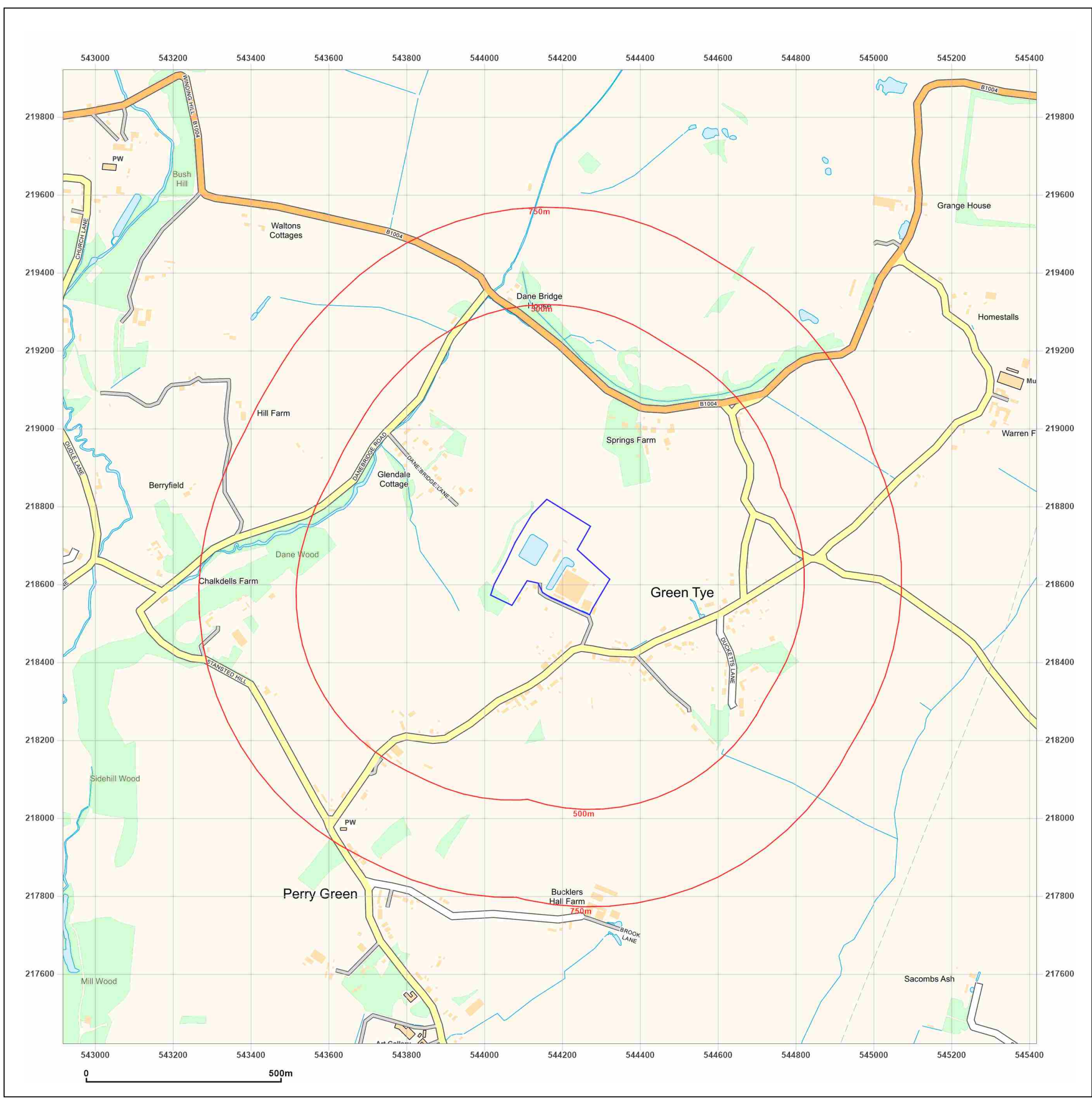


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Production date: 02 December 2025

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Site Details:

The Vineries, Green Tye, Much Hadham, SG10 6JJ

Client Ref: PO WE-3339
Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

Map Name: County Series

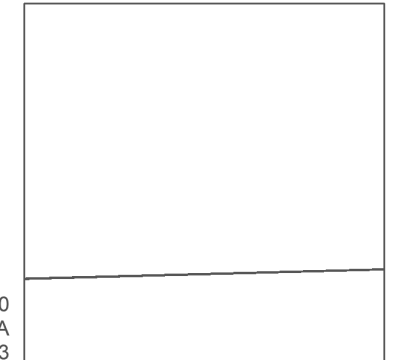
Map date: 1883

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1878
 Revised N/A
 Edition 1883
 Copyright N/A
 Levelled N/A



Surveyed 1880
 Revised N/A
 Edition 1883
 Copyright N/A
 Levelled N/A



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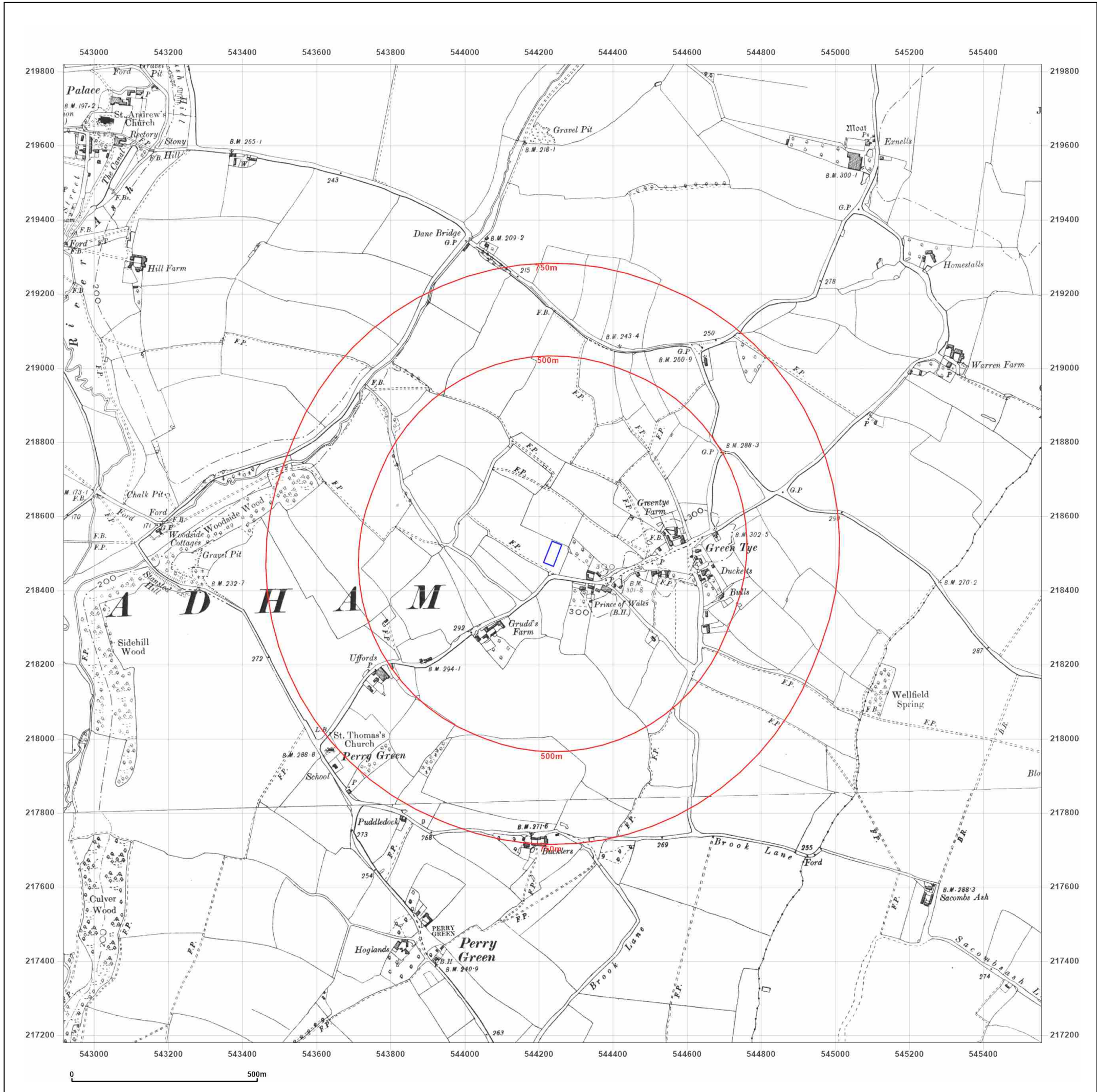
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Site Details:
 The Vineries, Green Tye, Much Hadham, SG10 6JJ

Client Ref: PO WE-3339
Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

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

Surveyed 1879
 Revised 1896
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1879
 Revised 1896
 Edition N/A
 Copyright N/A
 Levelled N/A



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Site Details:

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Client Ref: PO WE-3339
Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

Map Name: County Series

Map date: 1919-1922

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1878
 Revised 1922
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1878
 Revised 1919
 Edition N/A
 Copyright N/A
 Levelled N/A

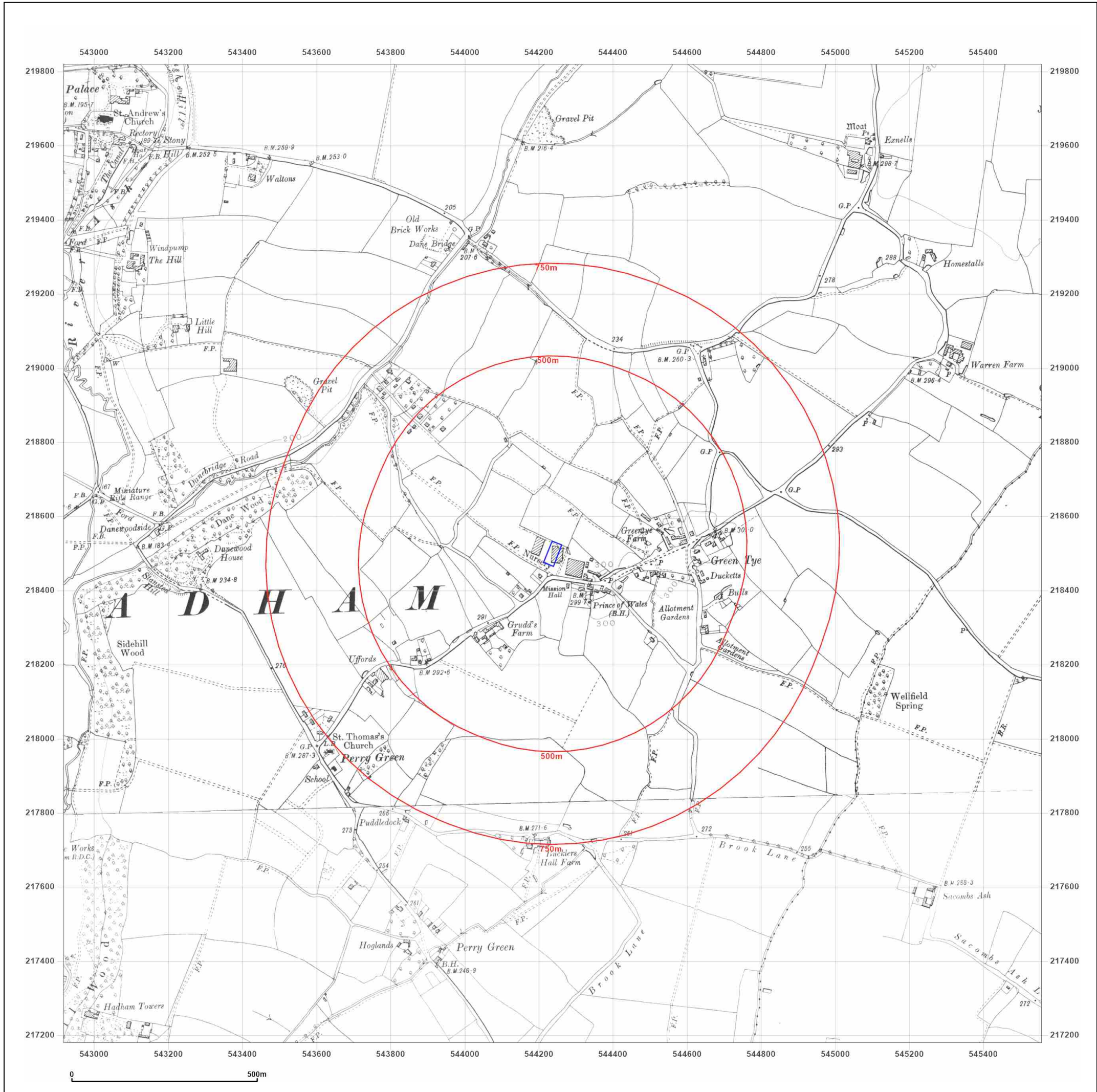


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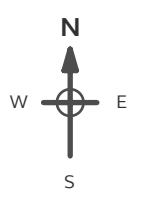
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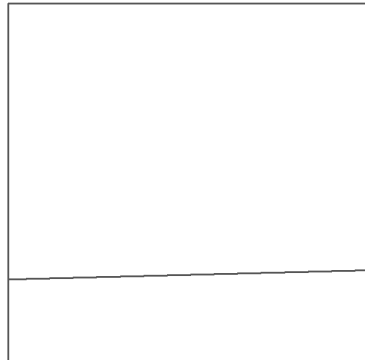
Map Name: County Series

Map date: 1923

Scale: 1:10,560

Printed at: 1:10,560





Surveyed 1873
Revised 1923
Edition N/A
Copyright N/A
Levelled N/A

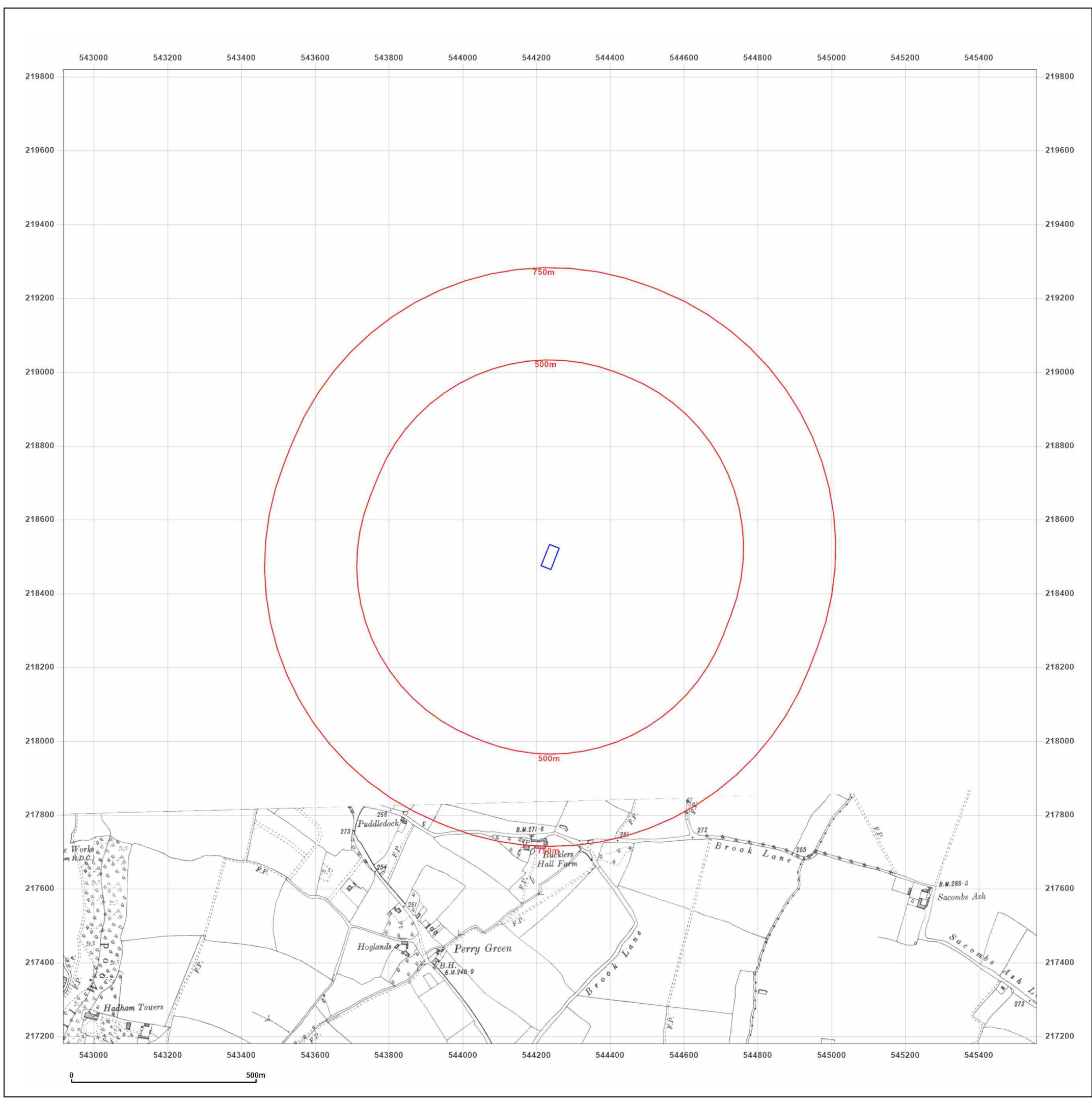


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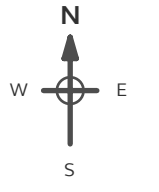
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Site Details:
 The Vineries, Green Tye, Much Hadham, SG10 6JJ

Client Ref: PO WE-3339
Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

Map Name: County Series
Map date: 1946-1947
Scale: 1:10,560
Printed at: 1:10,560



Surveyed 1878
 Revised 1947
 Edition N/A
 Copyright N/A
 Levelled N/A

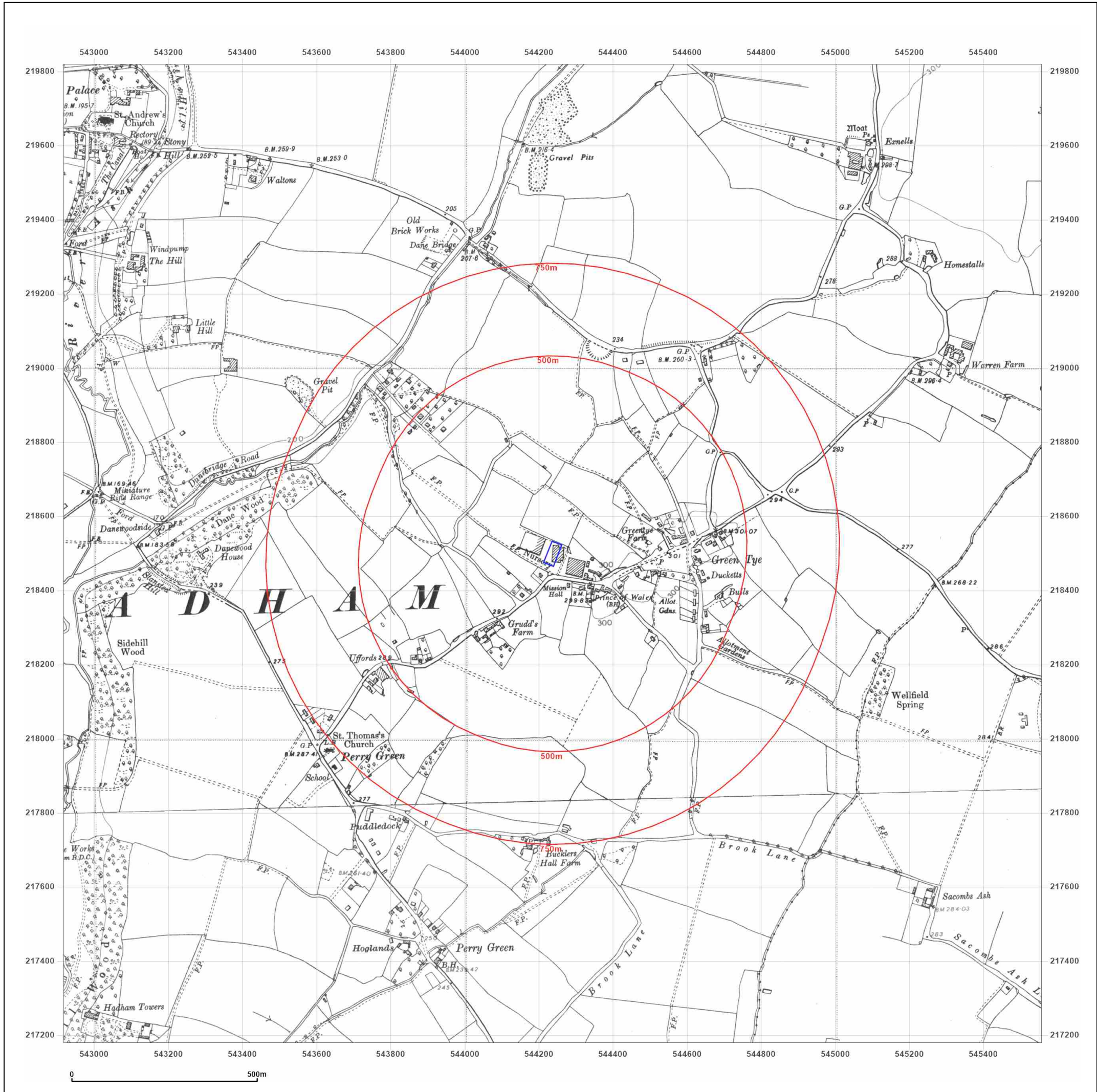
Surveyed 1878
 Revised 1946
 Edition N/A
 Copyright N/A
 Levelled N/A

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Site Details:

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Client Ref: PO WE-3339
Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

Map Name: Provisional

Map date: 1951

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1951
 Revised 1951
 Edition N/A
 Copyright N/A
 Levelled N/A

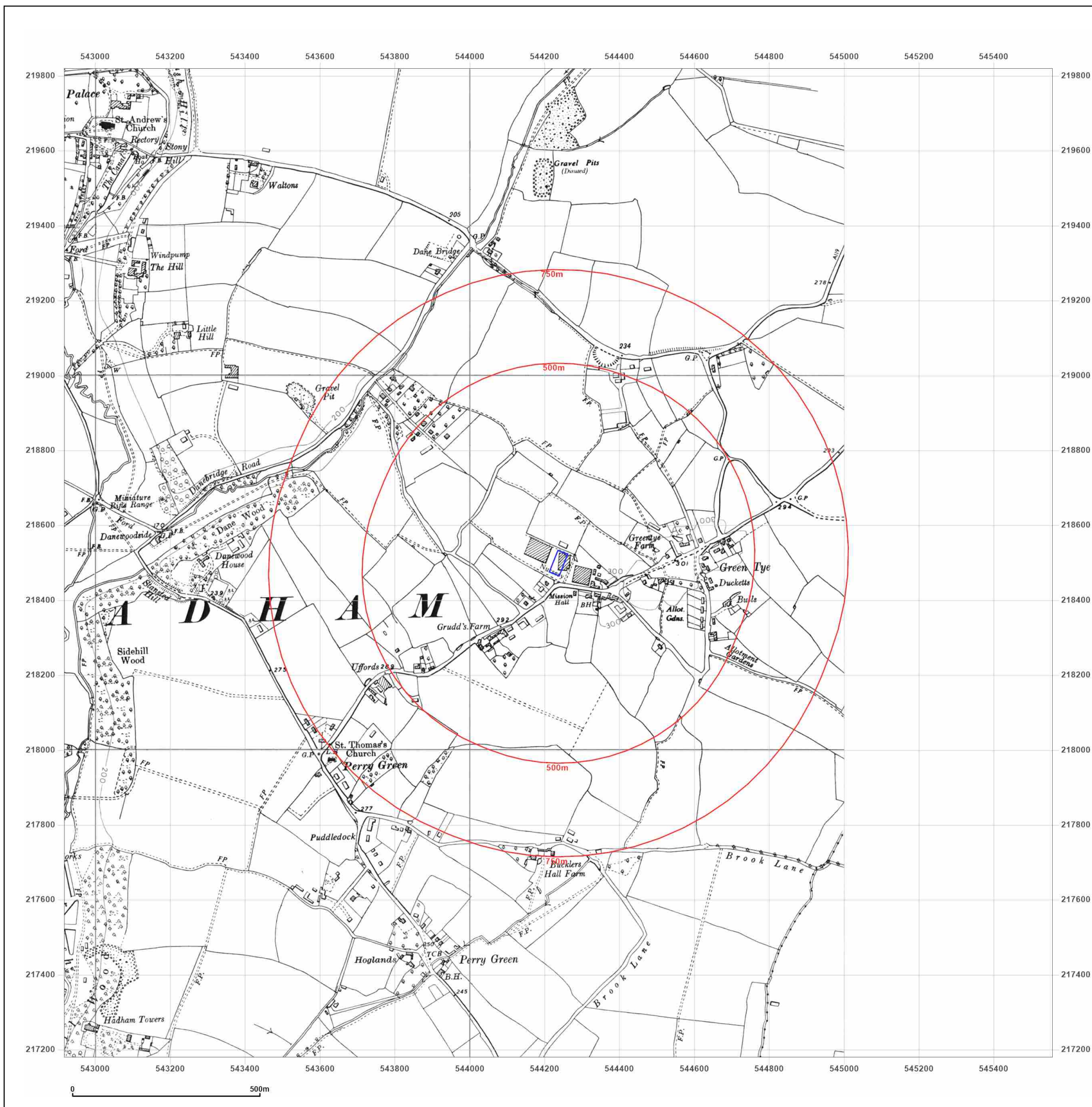


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Site Details:

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Client Ref: PO WE-3339
Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

Map Name: National Grid

Map date: 1980-1981

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1976
 Revised 1980
 Edition N/A
 Copyright N/A
 Levelled N/A

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

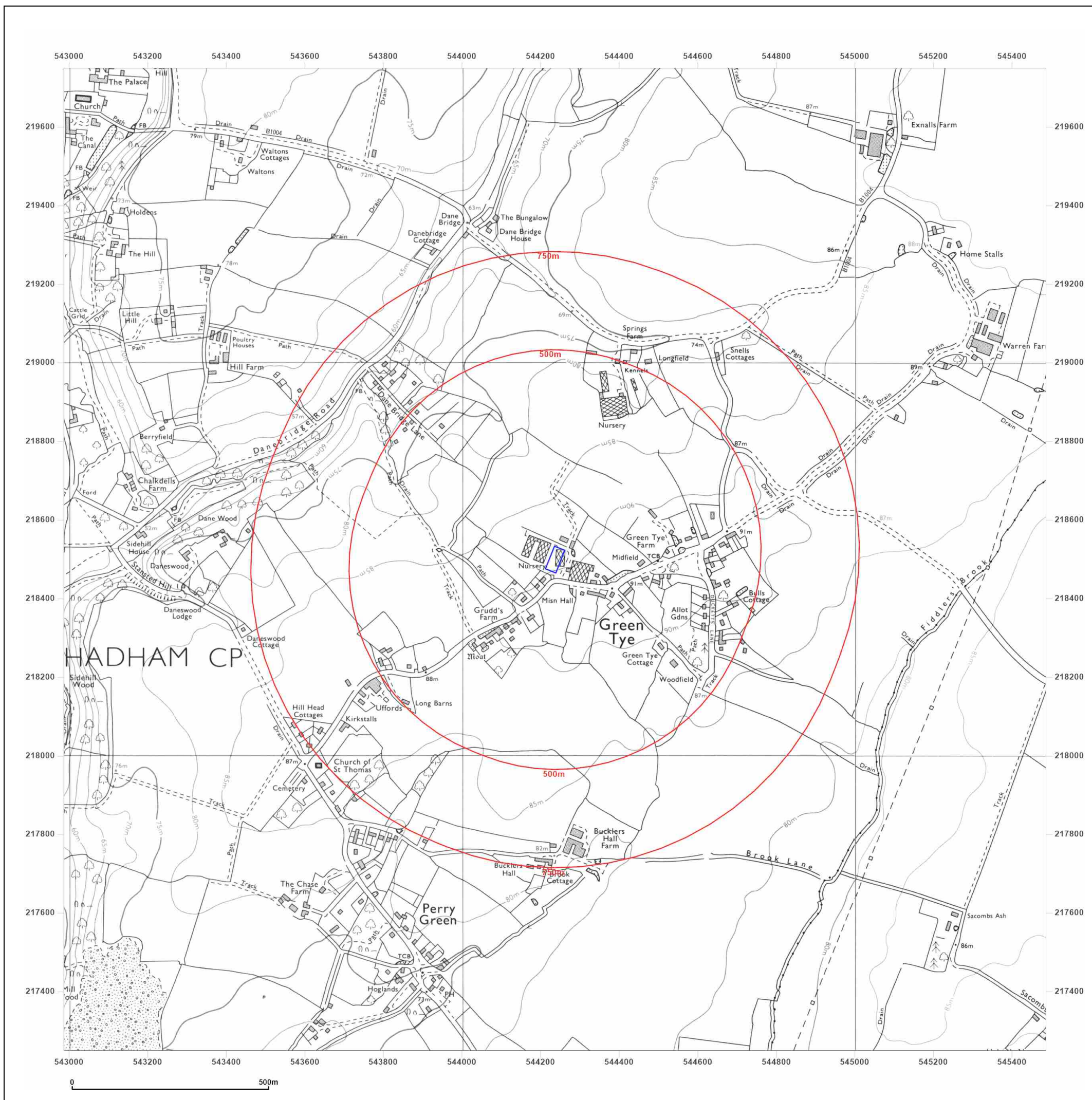


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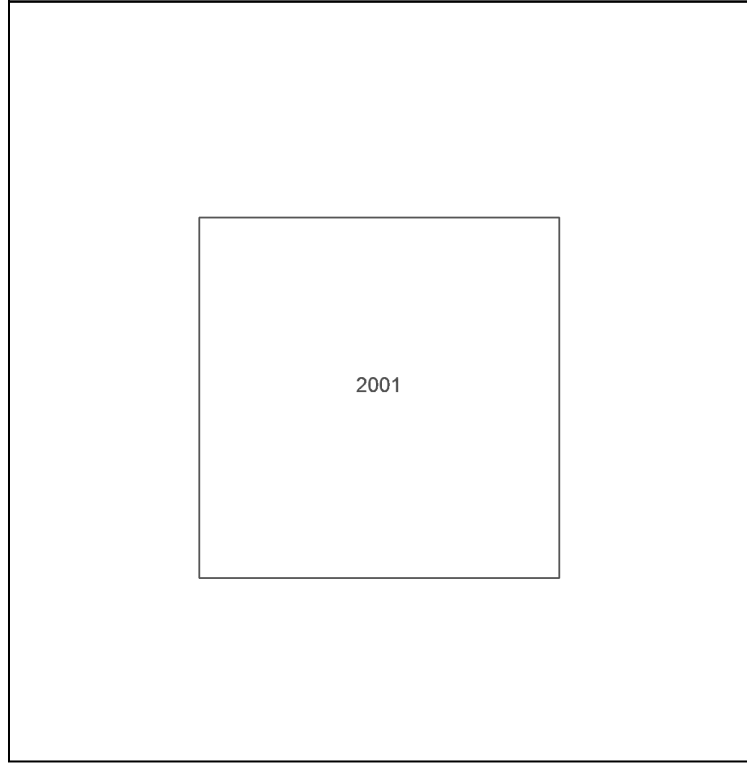
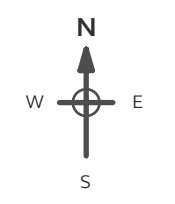
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Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

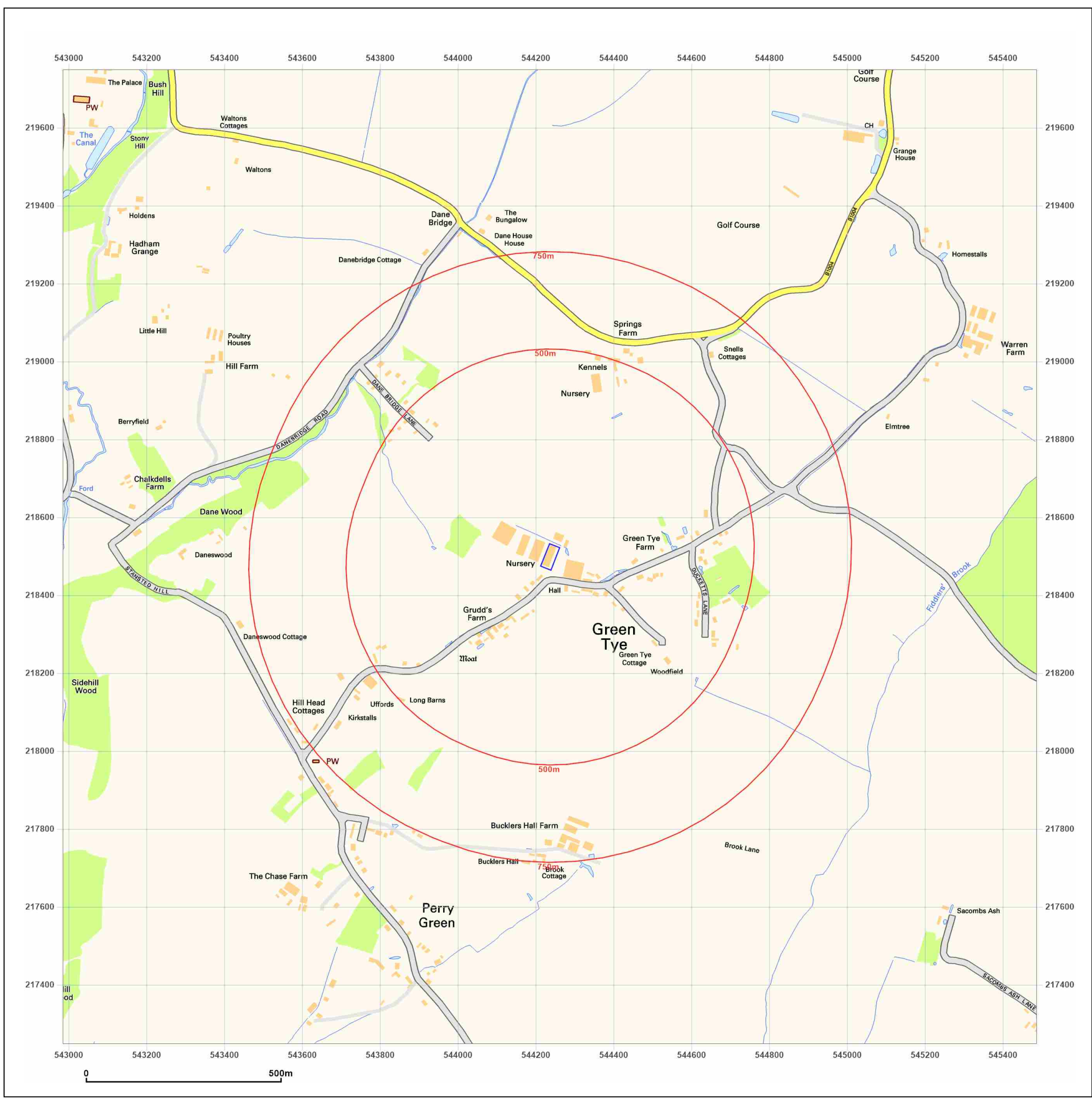


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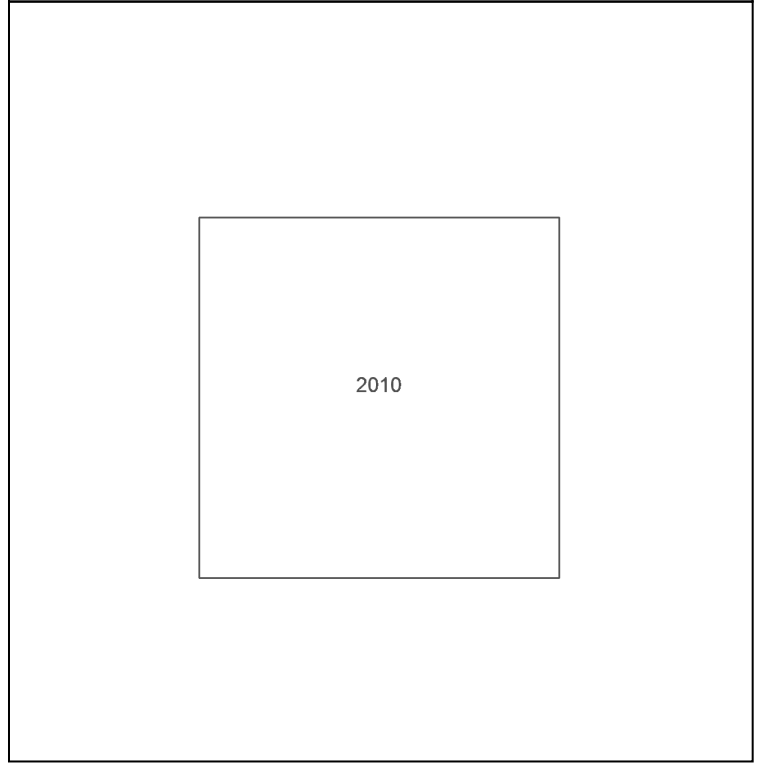
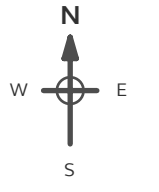
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Site Details:
 The Vineries, Green Tye, Much Hadham, SG10 6JJ

Client Ref: PO WE-3339
Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

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

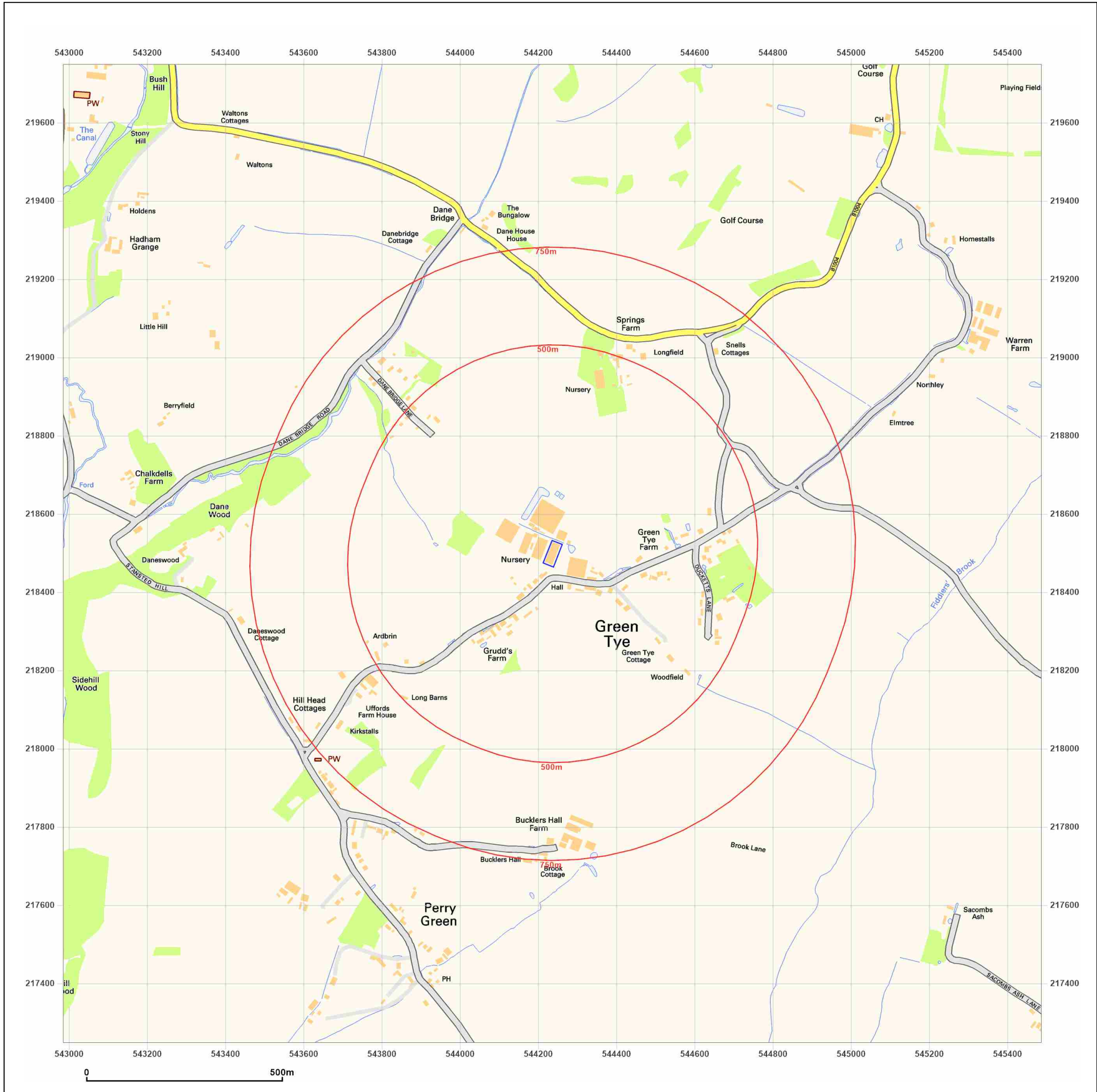


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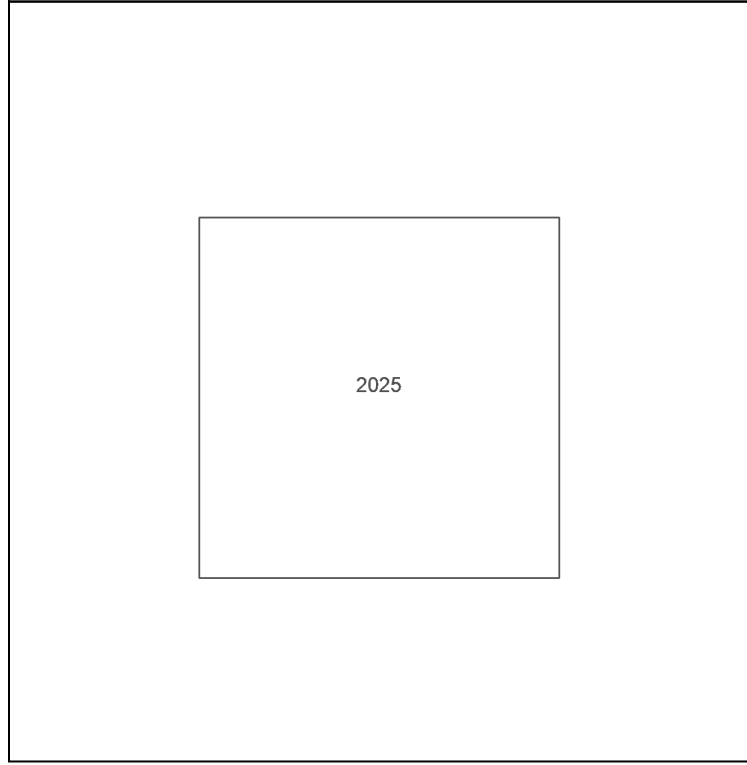
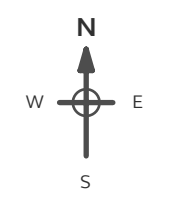
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Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

Map Name: National Grid

Map date: 2025

Scale: 1:10,000

Printed at: 1:10,000

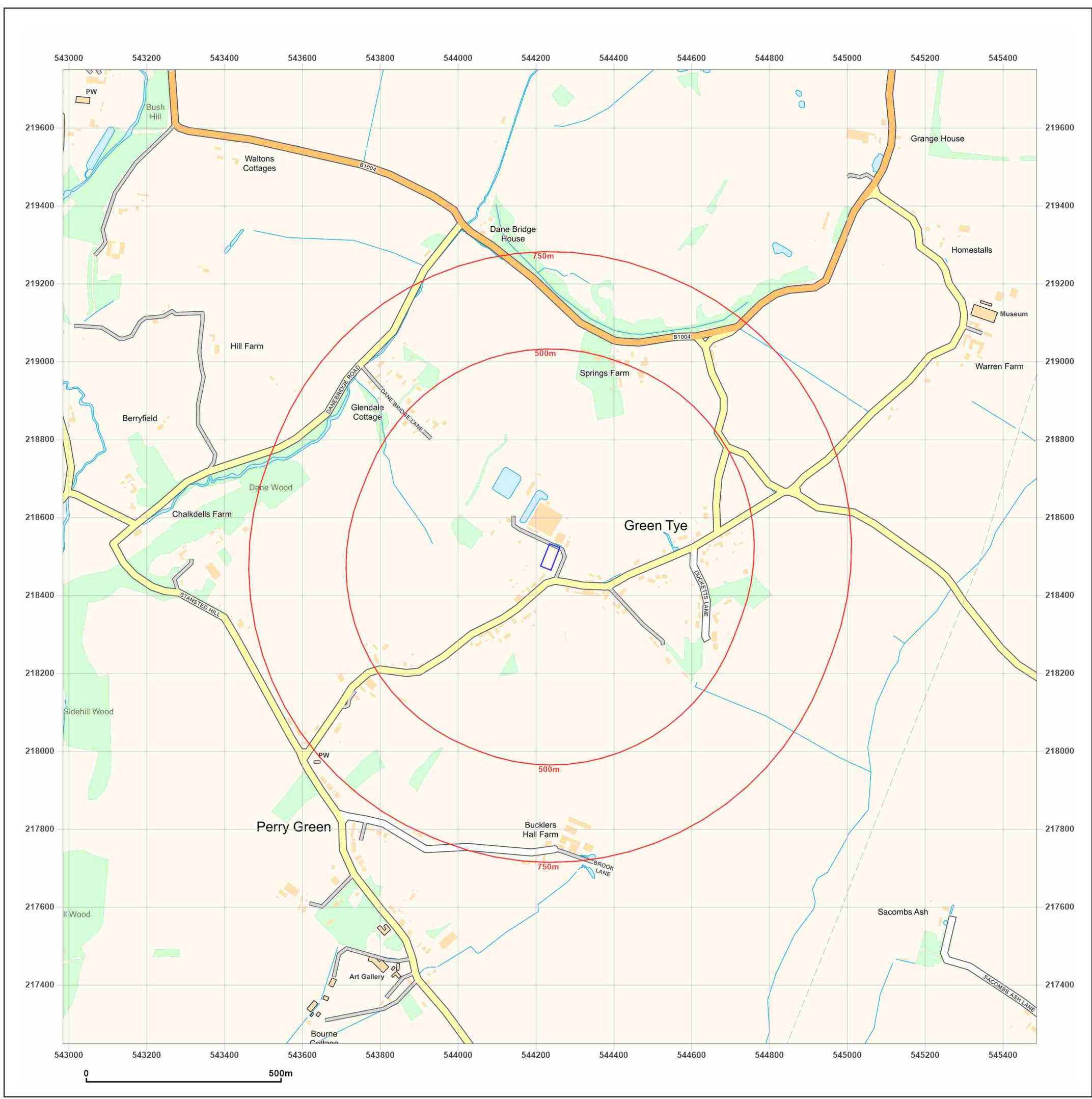


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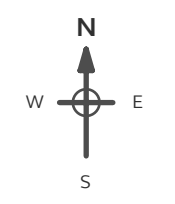
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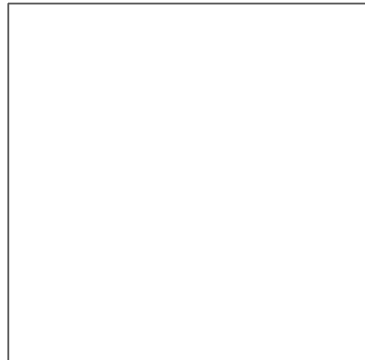
Map Name: County Series

Map date: 1879

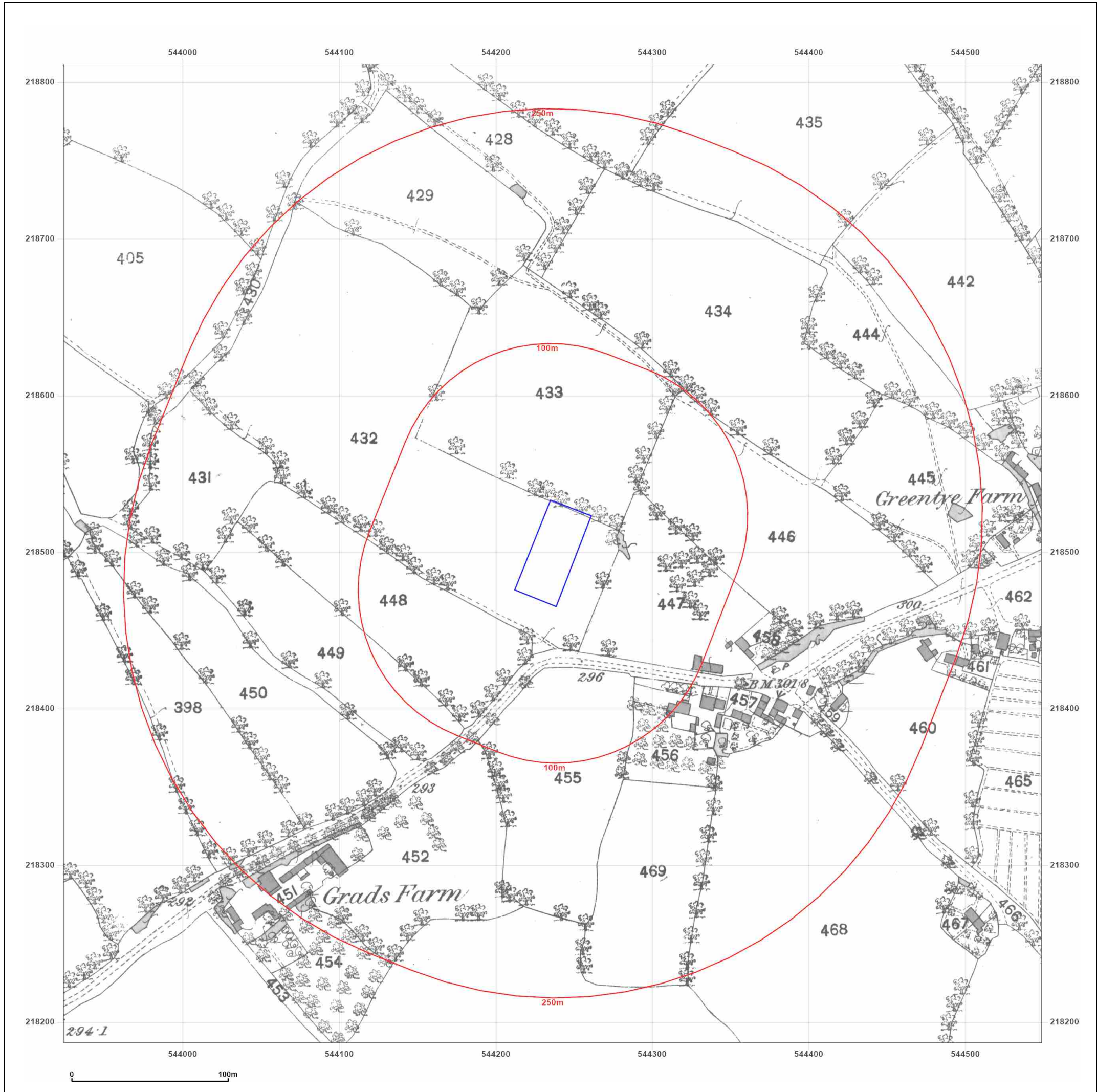
Scale: 1:2,500

Printed at: 1:2,500





Surveyed 1879
 Revised 1879
 Edition N/A
 Copyright N/A
 Levelled N/A





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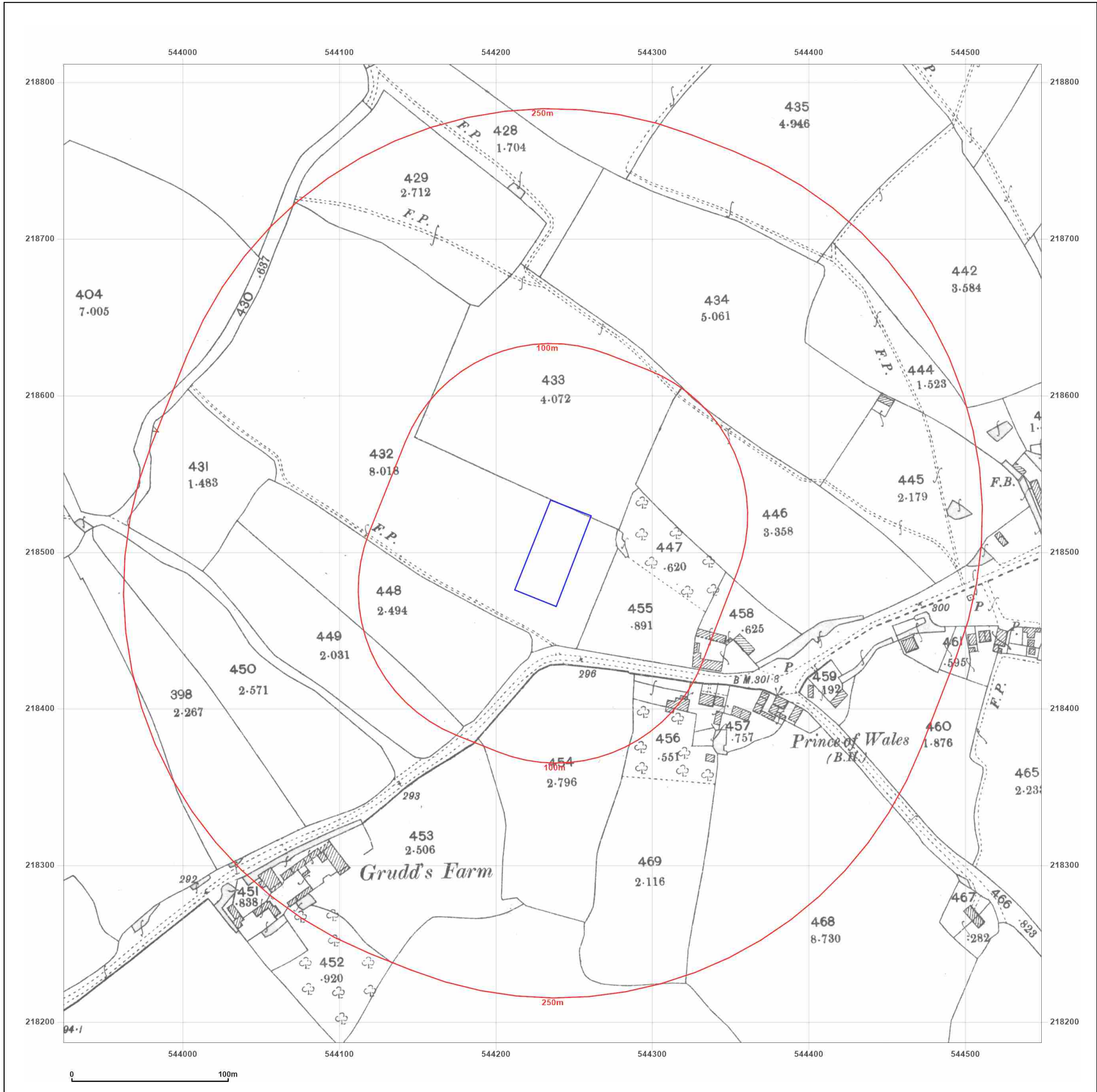
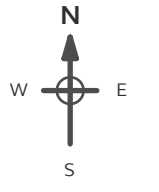
Production date: 19 November 2025

Map legend available at:
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Site Details:
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Client Ref: PO WE-3339
Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

Map Name: County Series
Map date: 1897
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1897
 Revised 1897
 Edition N/A
 Copyright N/A
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Site Details:

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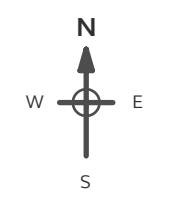
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Grid Ref: 544236, 218499

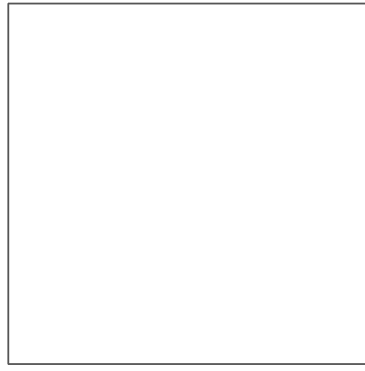
Map Name: County Series

Map date: 1923

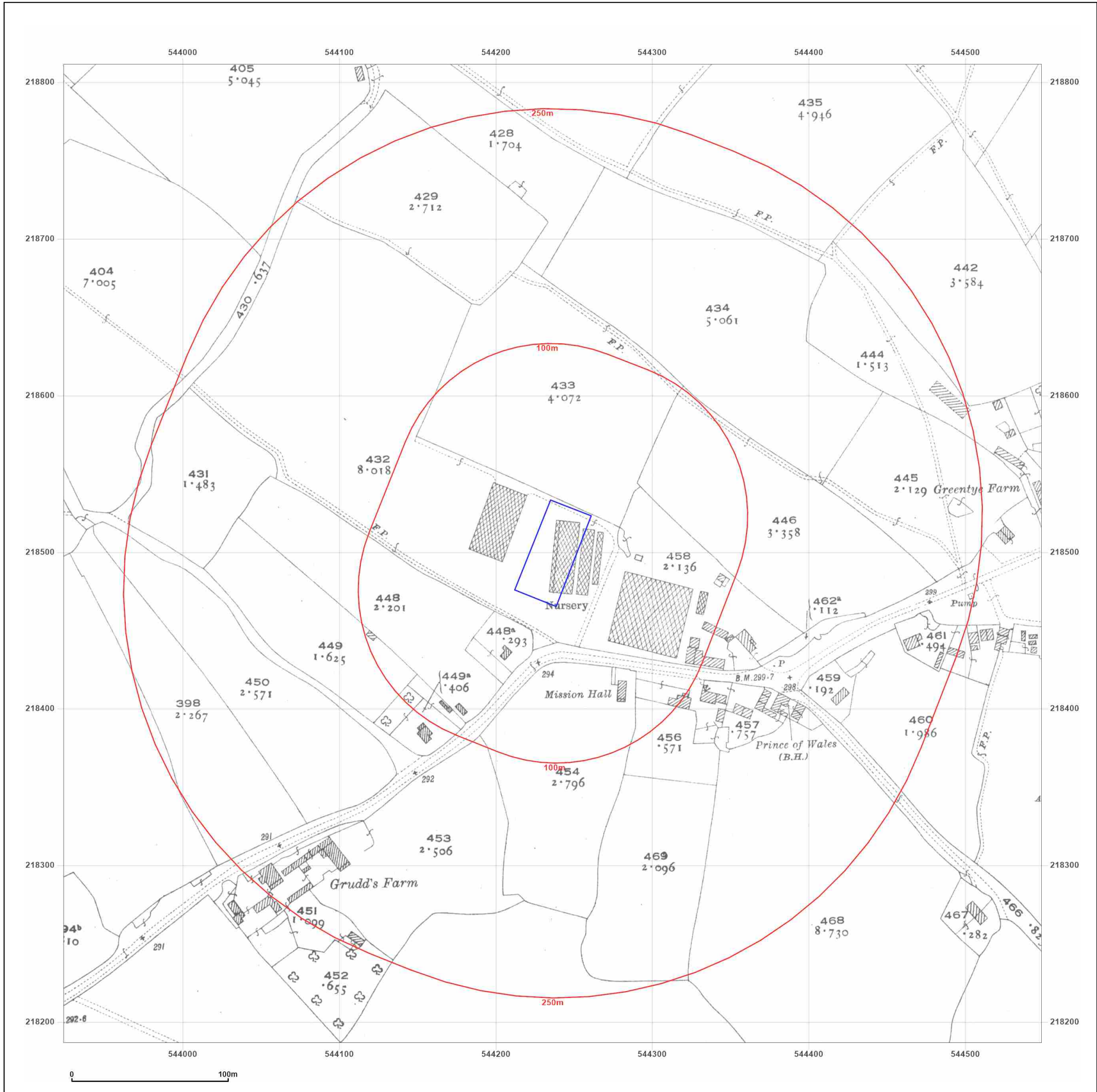
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Printed at: 1:2,500





Surveyed 1923
 Revised 1923
 Edition N/A
 Copyright N/A
 Levelled N/A



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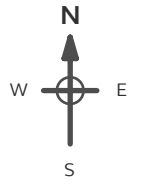
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Site Details:
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Client Ref: PO WE-3339
Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

Map Name: National Grid
Map date: 1976-1977
Scale: 1:2,500
Printed at: 1:2,500



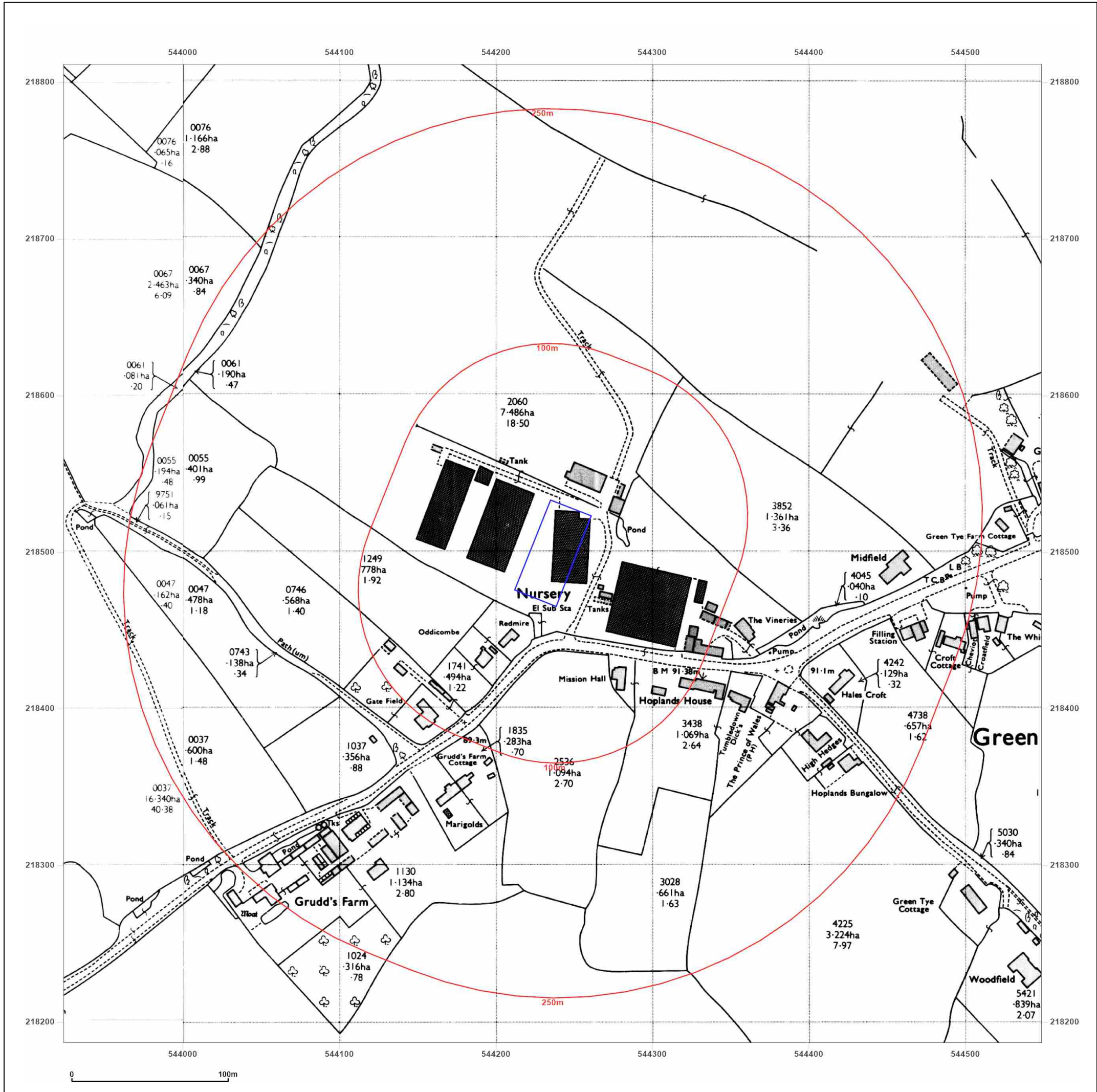
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 Edition N/A
 Copyright N/A
 Levelled N/A

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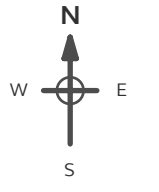
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Site Details:
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Client Ref: PO WE-3339
Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

Map Name: National Grid
Map date: 1976-1977
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1976
 Revised 1976
 Edition N/A
 Copyright 1977
 Levelled 1962

Surveyed 1974
 Revised 1974
 Edition N/A
 Copyright 1976
 Levelled 1960

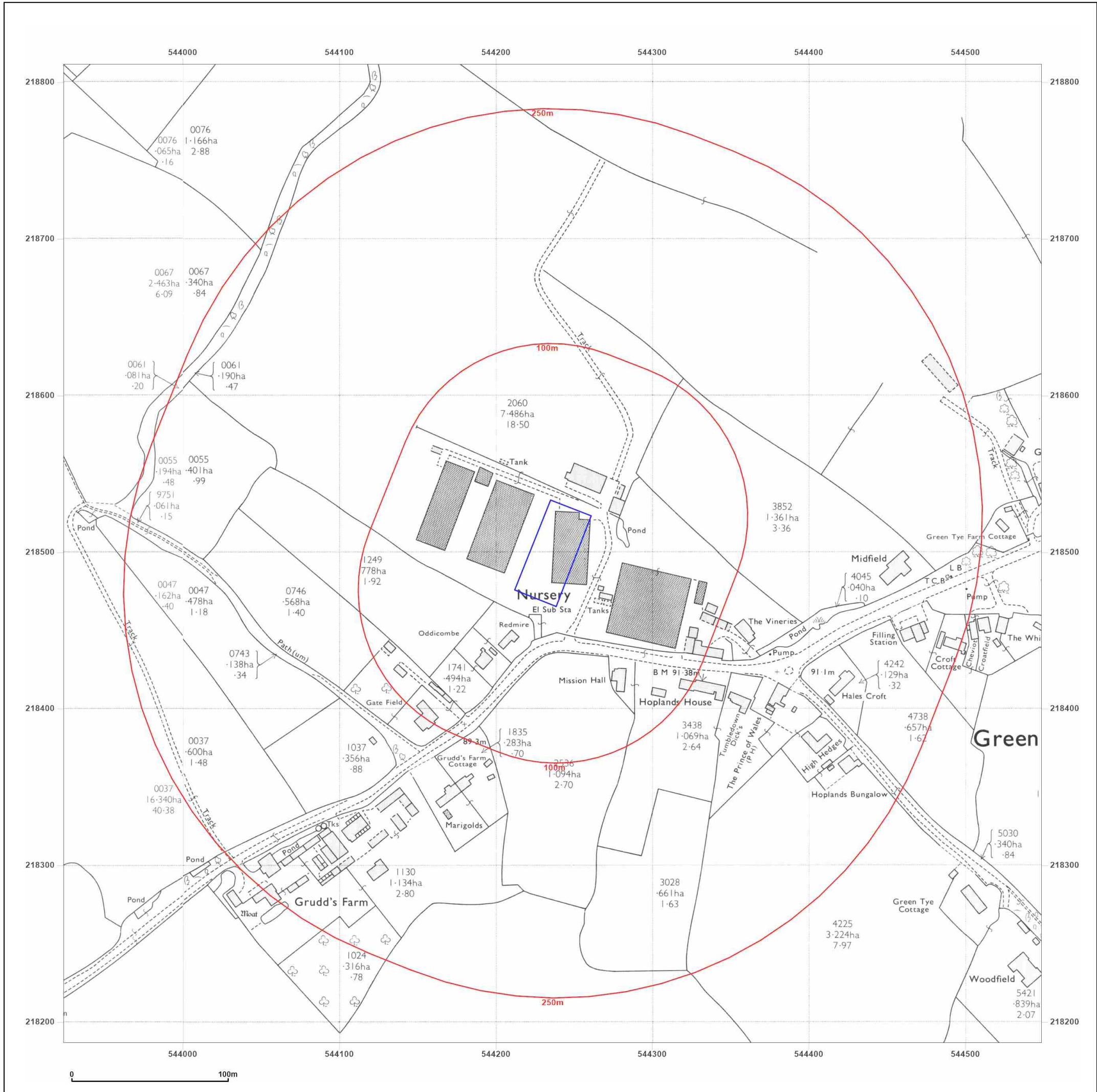
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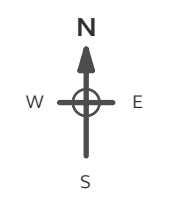
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Map Name: National Grid

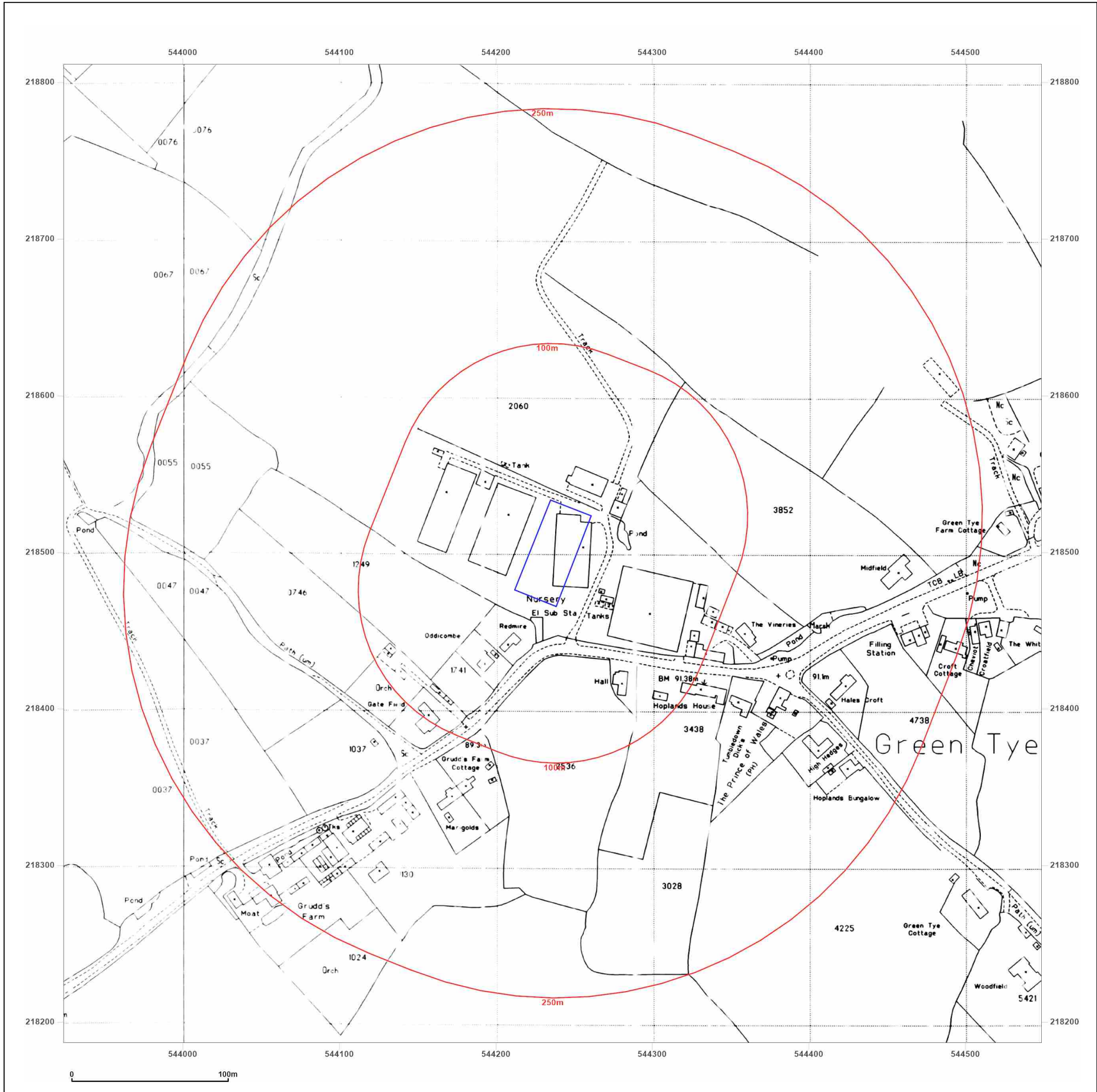
Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A
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Site Details:

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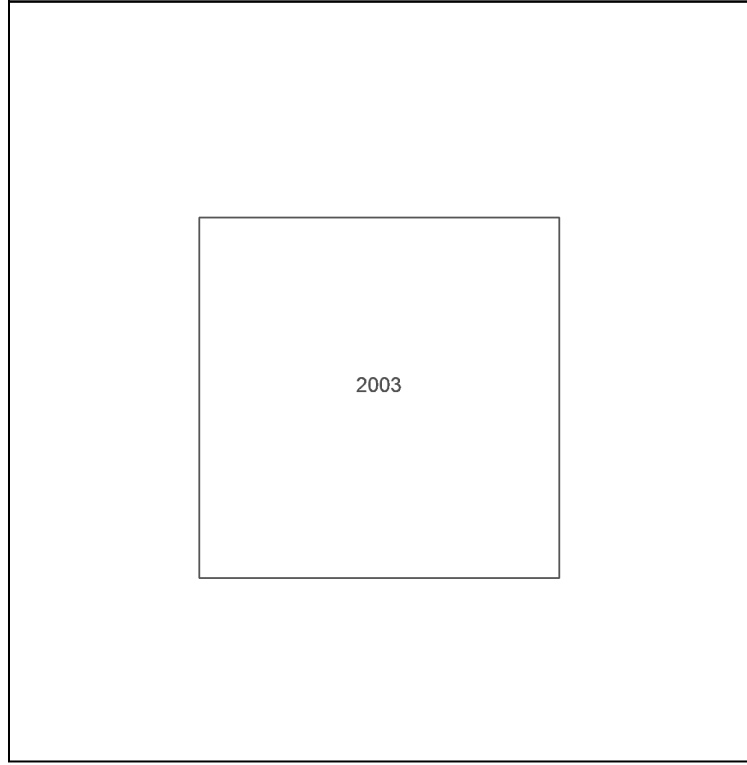
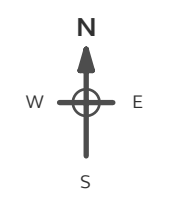
Client Ref: PO WE-3339
Report Ref: GS-JL5-Y94-XOC-WYQ
Grid Ref: 544236, 218499

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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