

Site Details:

400800, 172012

Client Ref: 24863
Report Ref: HYD-8964749_LS_2_1
Grid Ref: 401070, 171722

Map Name: National Grid

Map date: 1986-1991

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1986
 Levelled 1966

Surveyed 1966
 Revised 1986
 Edition N/A
 Copyright 1986
 Levelled 1966

Surveyed 1966
 Revised 1991
 Edition N/A
 Copyright 1991
 Levelled 1966

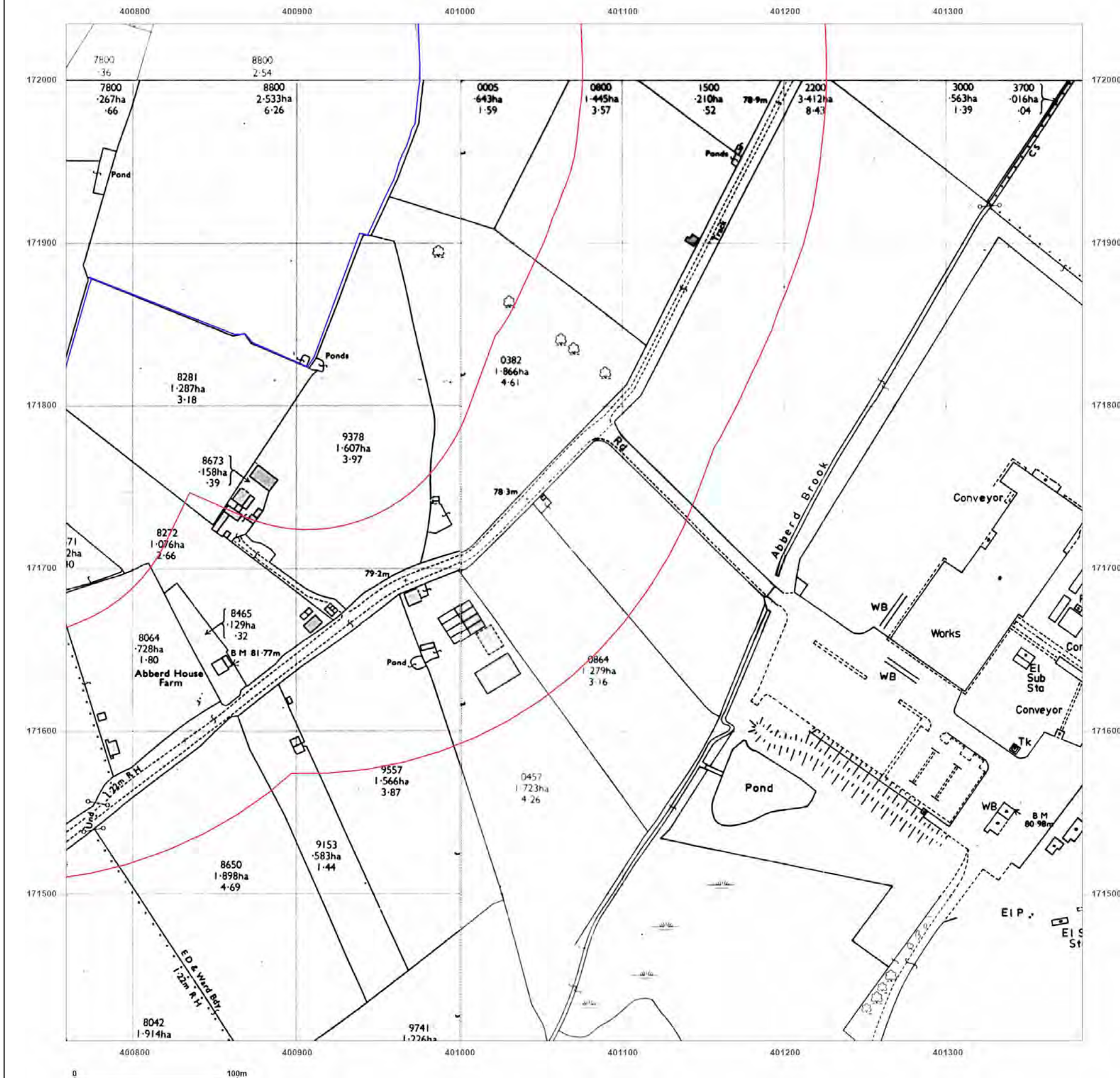


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Site Details:

400800, 172012

Client Ref: 24863
Report Ref: HYD-8964749_LS_2_1
Grid Ref: 401070, 171722

Map Name: National Grid

Map date: 1990-1994

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1966
 Revised 1990
 Edition N/A
 Copyright 1990
 Levelled 1966

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

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

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

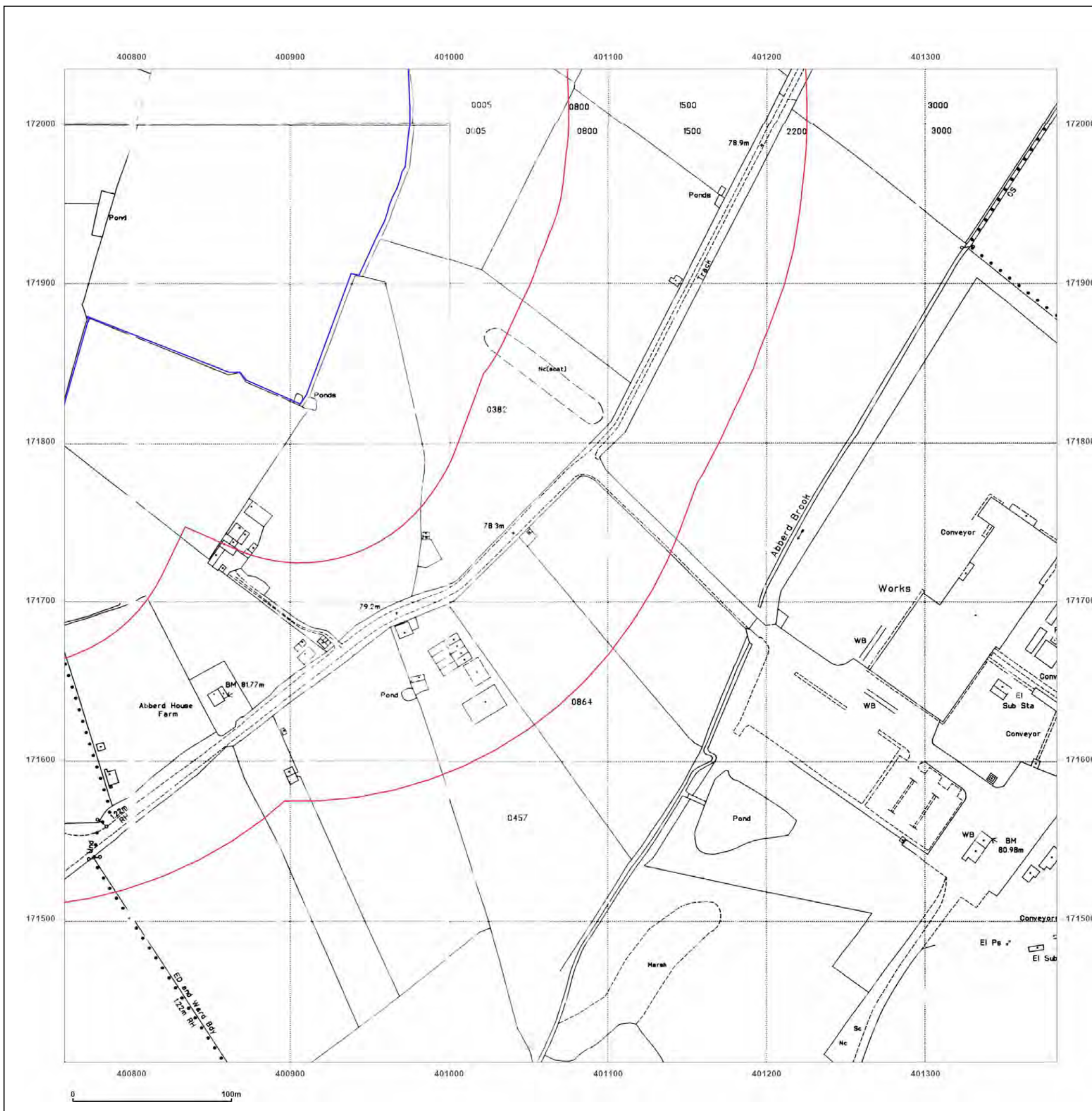


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Site Details:

400800, 172012

Client Ref: 24863
Report Ref: HYD-8964749_LS_2_2
Grid Ref: 401070, 172347

Map Name: County Series

Map date: 1886

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1886
 Revised 1886
 Edition N/A
 Copyright N/A
 Levelled N/A

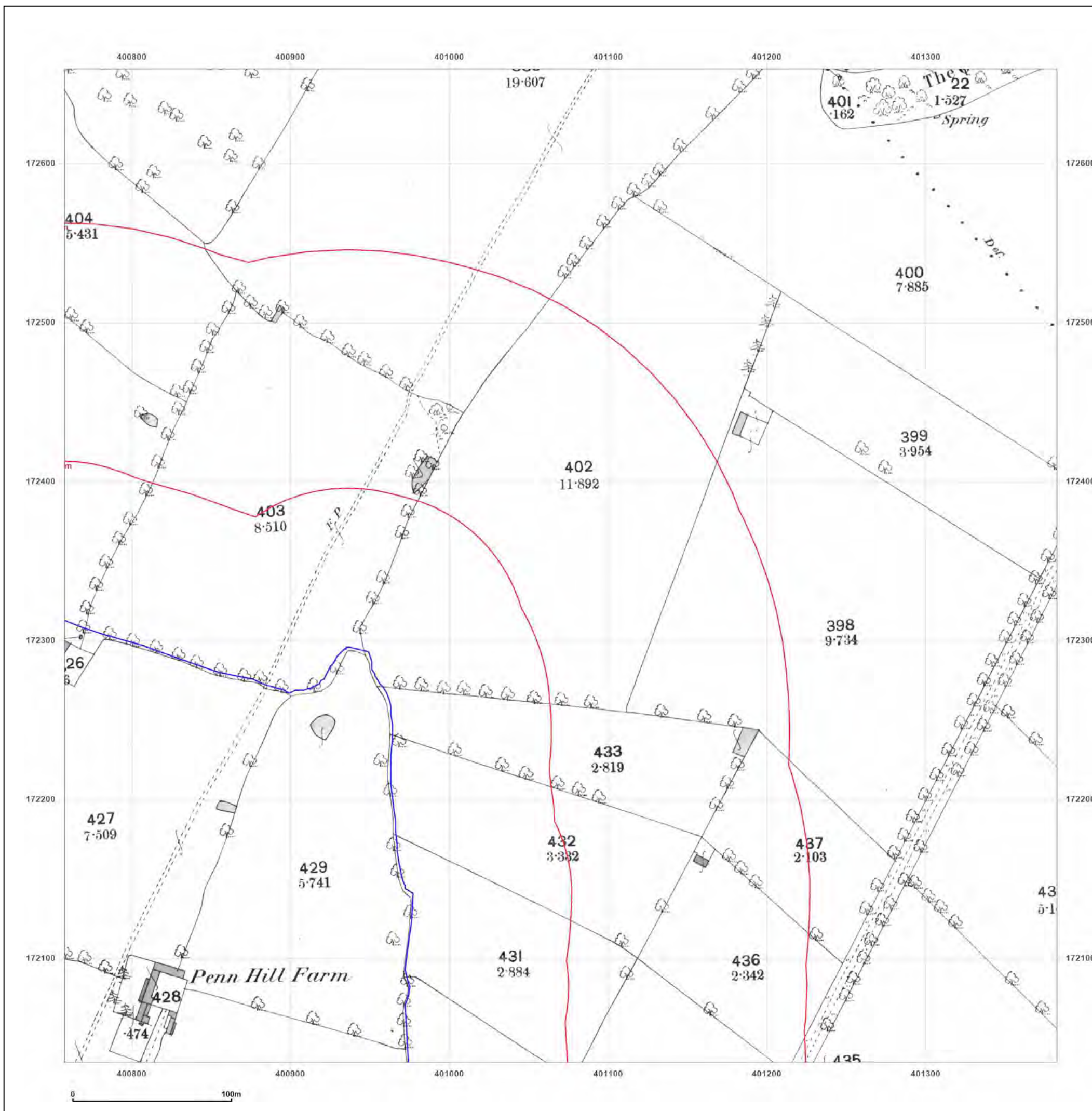


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Site Details:

400800, 172012

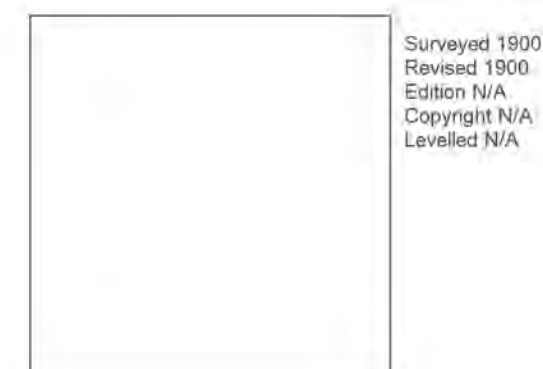
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Grid Ref: 401070, 172347

Map Name: County Series

Map date: 1900

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1900
 Revised 1900
 Edition N/A
 Copyright N/A
 Levelled N/A

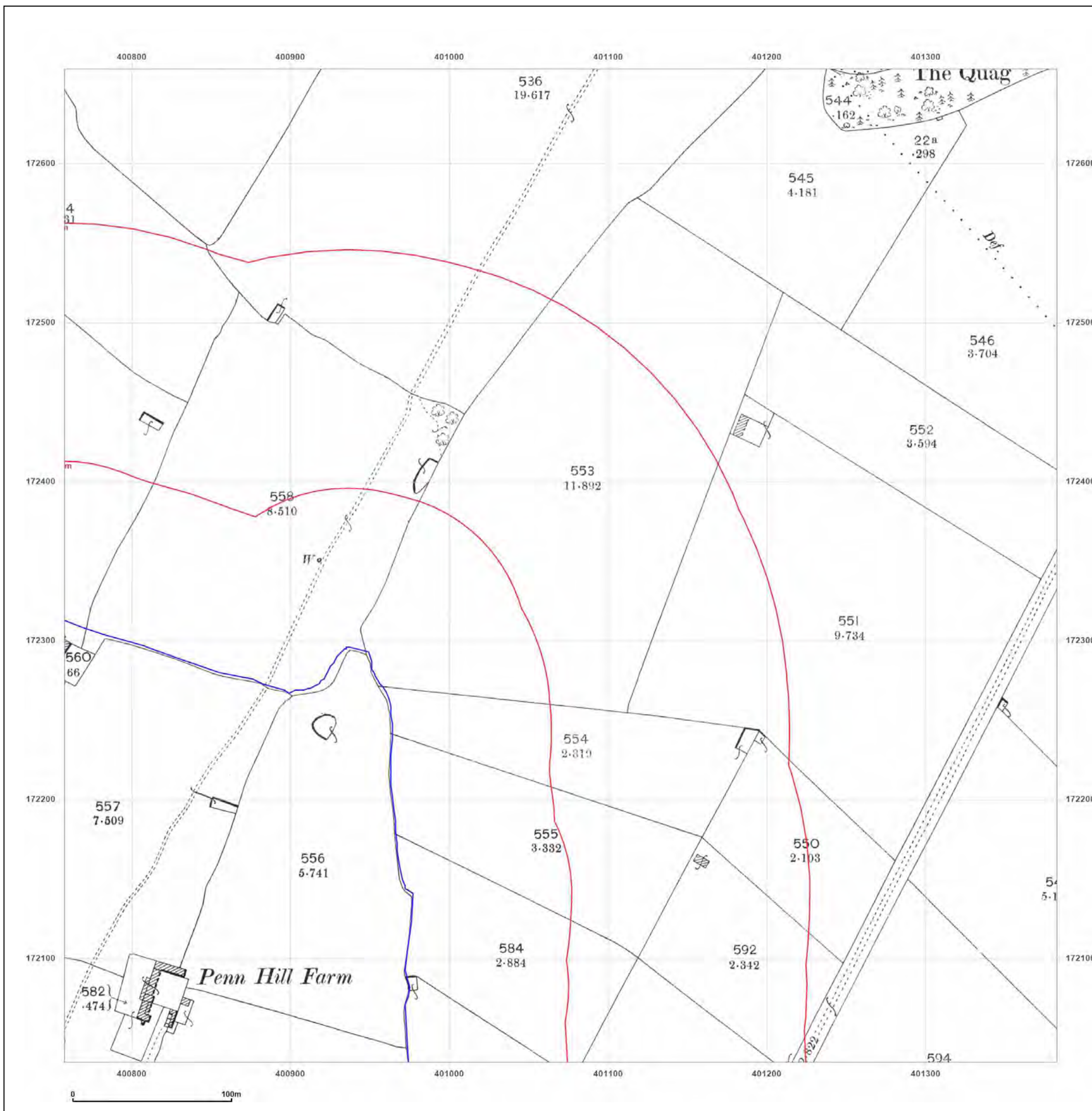


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Site Details:

400800, 172012

Client Ref: 24863
Report Ref: HYD-8964749_LS_2_2
Grid Ref: 401070, 172347

Map Name: County Series

Map date: 1924

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1924
 Revised 1924
 Edition N/A
 Copyright N/A
 Levelled N/A

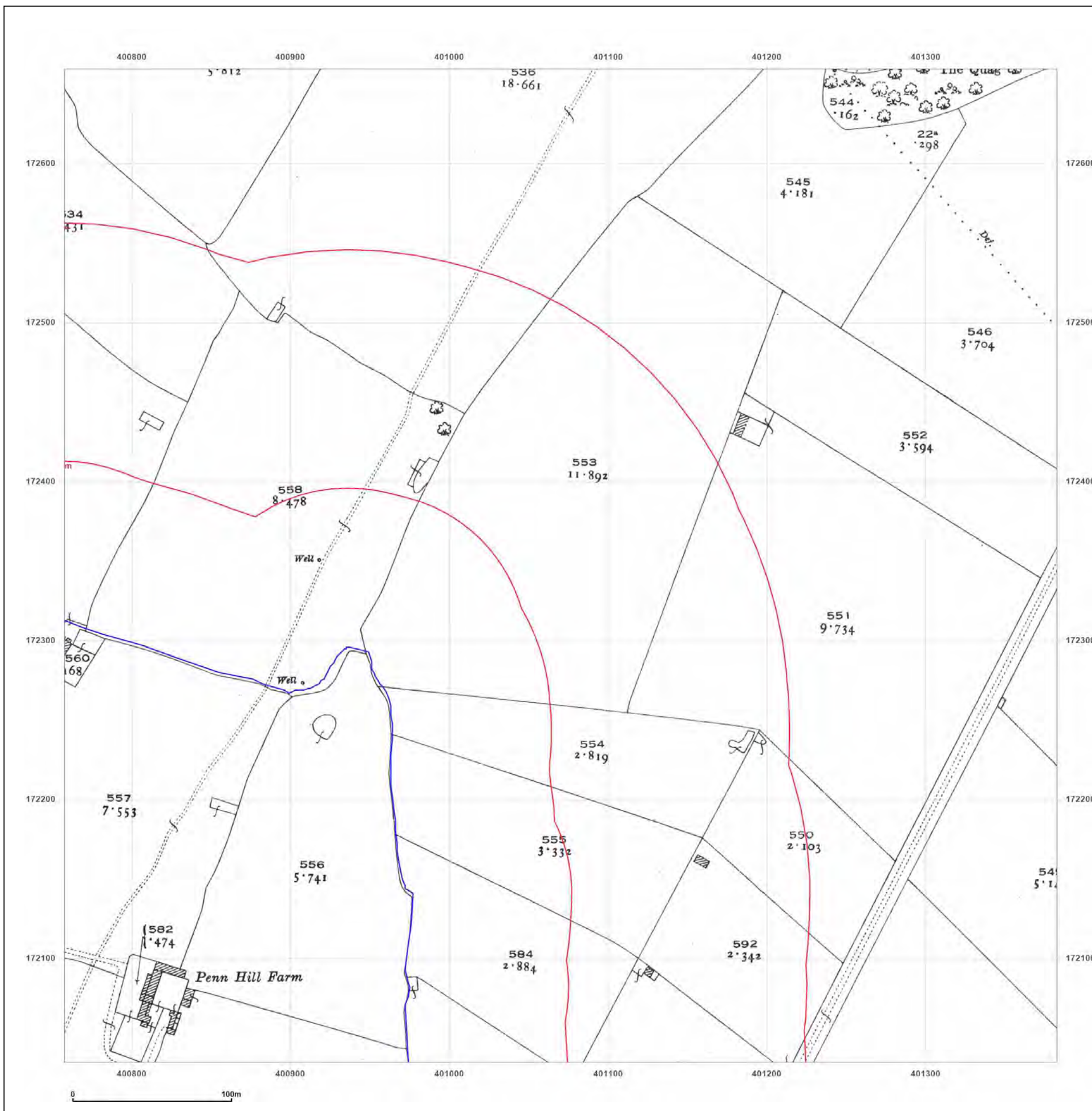


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Site Details:

400800, 172012

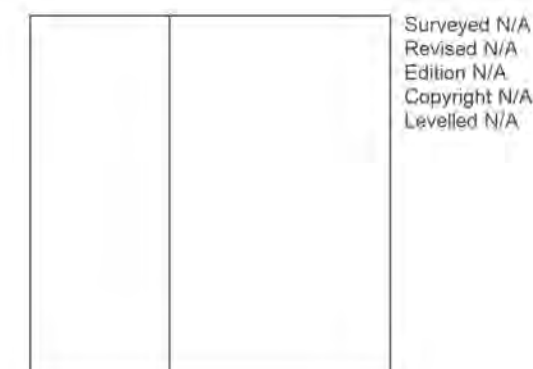
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Map Name: National Grid

Map date: 1969

Scale: 1:2,500

Printed at: 1:2,500

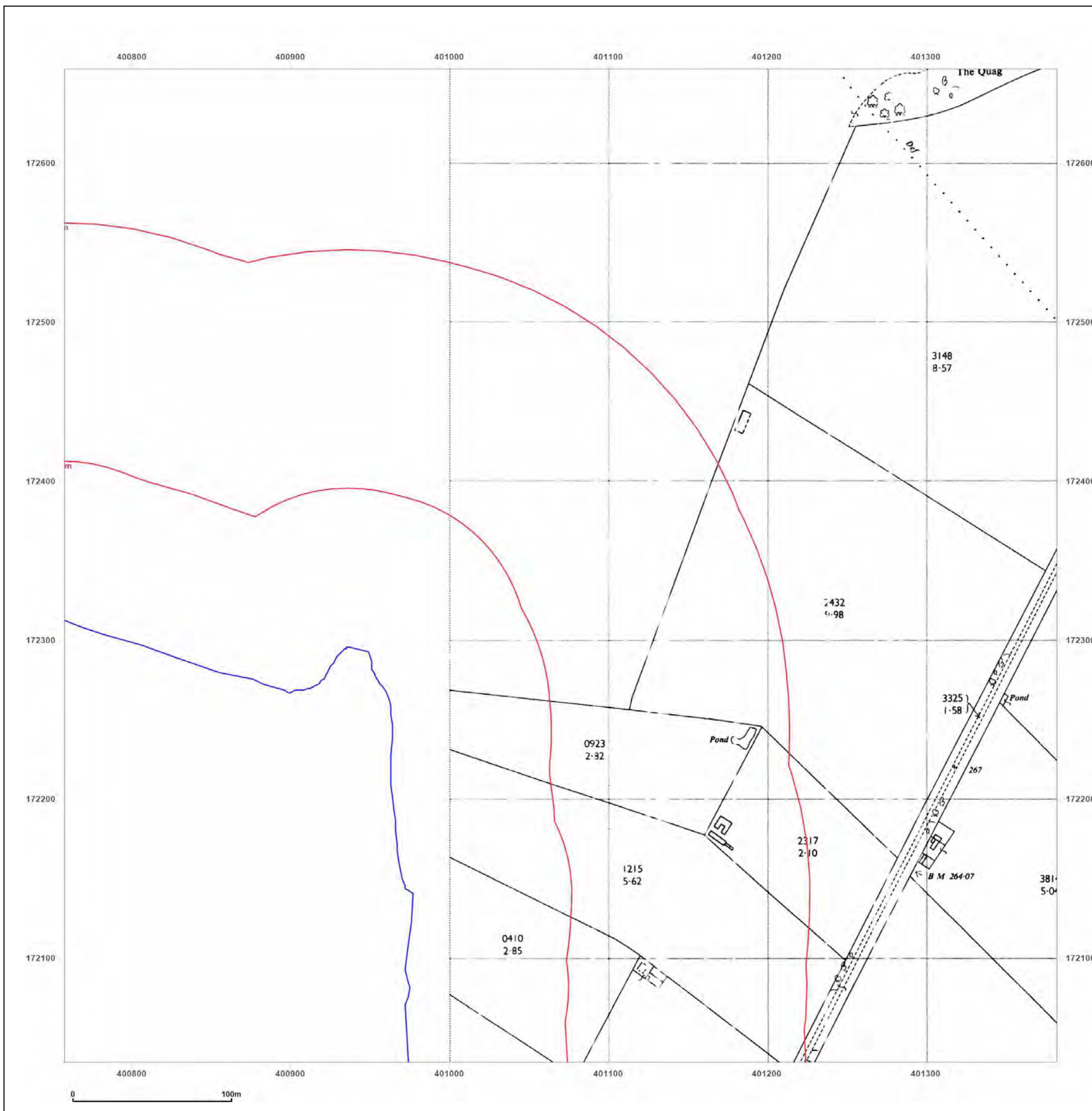


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Site Details:

400800, 172012

Client Ref: 24863
Report Ref: HYD-8964749_LS_2_2
Grid Ref: 401070, 172347

Map Name: National Grid

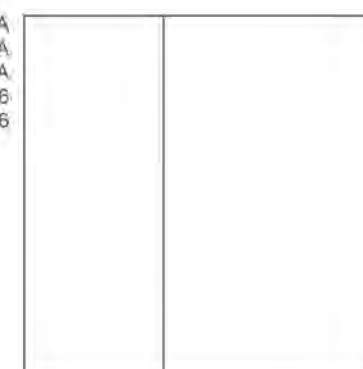
Map date: 1986

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright 1986
 Levelled 1966

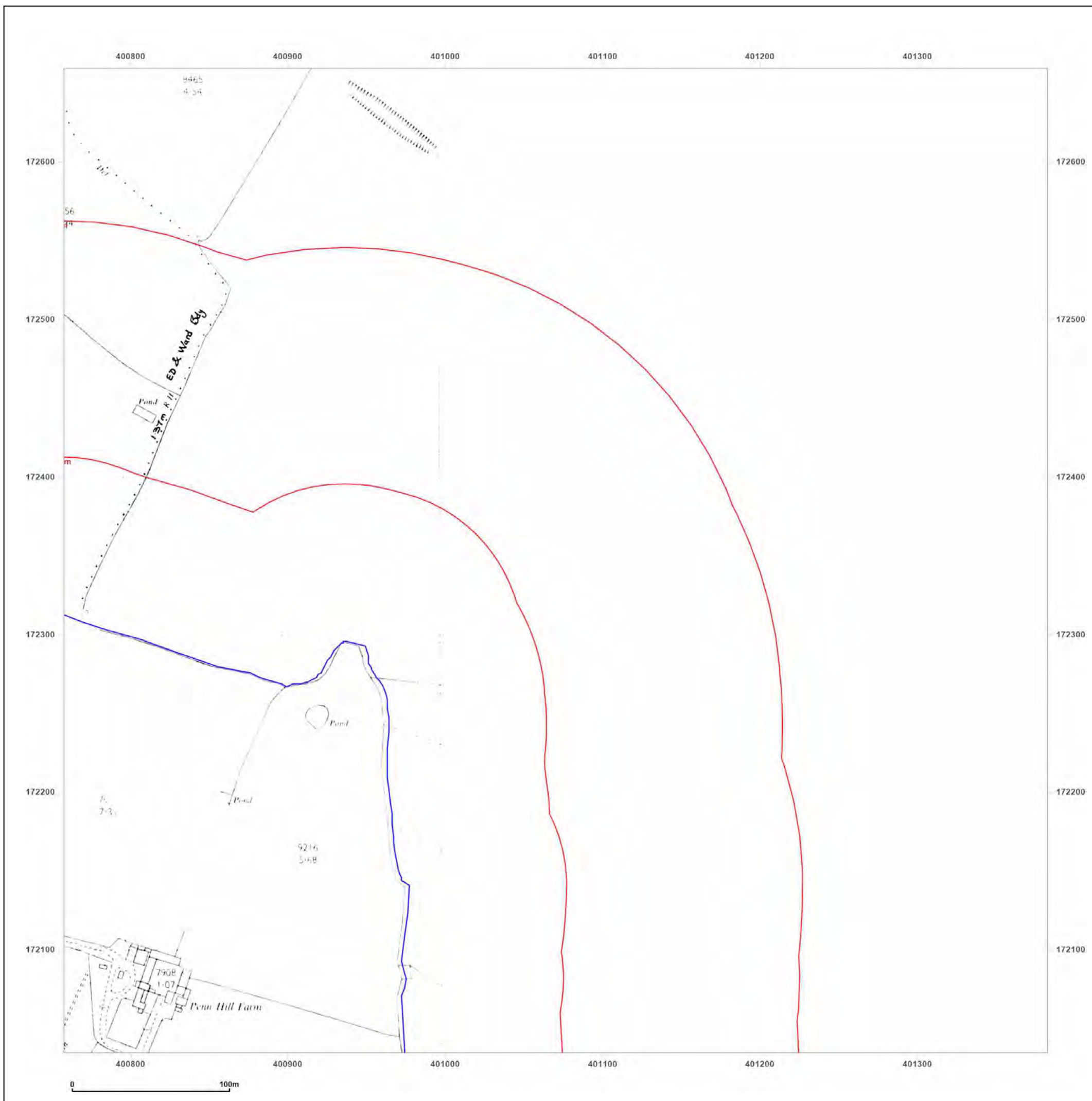


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Site Details:

400800, 172012

Client Ref: 24863
Report Ref: HYD-8964749_LS_2_2
Grid Ref: 401070, 172347

Map Name: National Grid

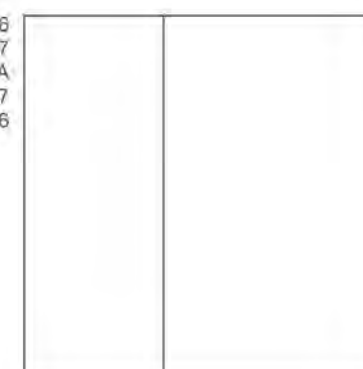
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Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1966
 Revised 1987
 Edition N/A
 Copyright 1987
 Levelled 1966

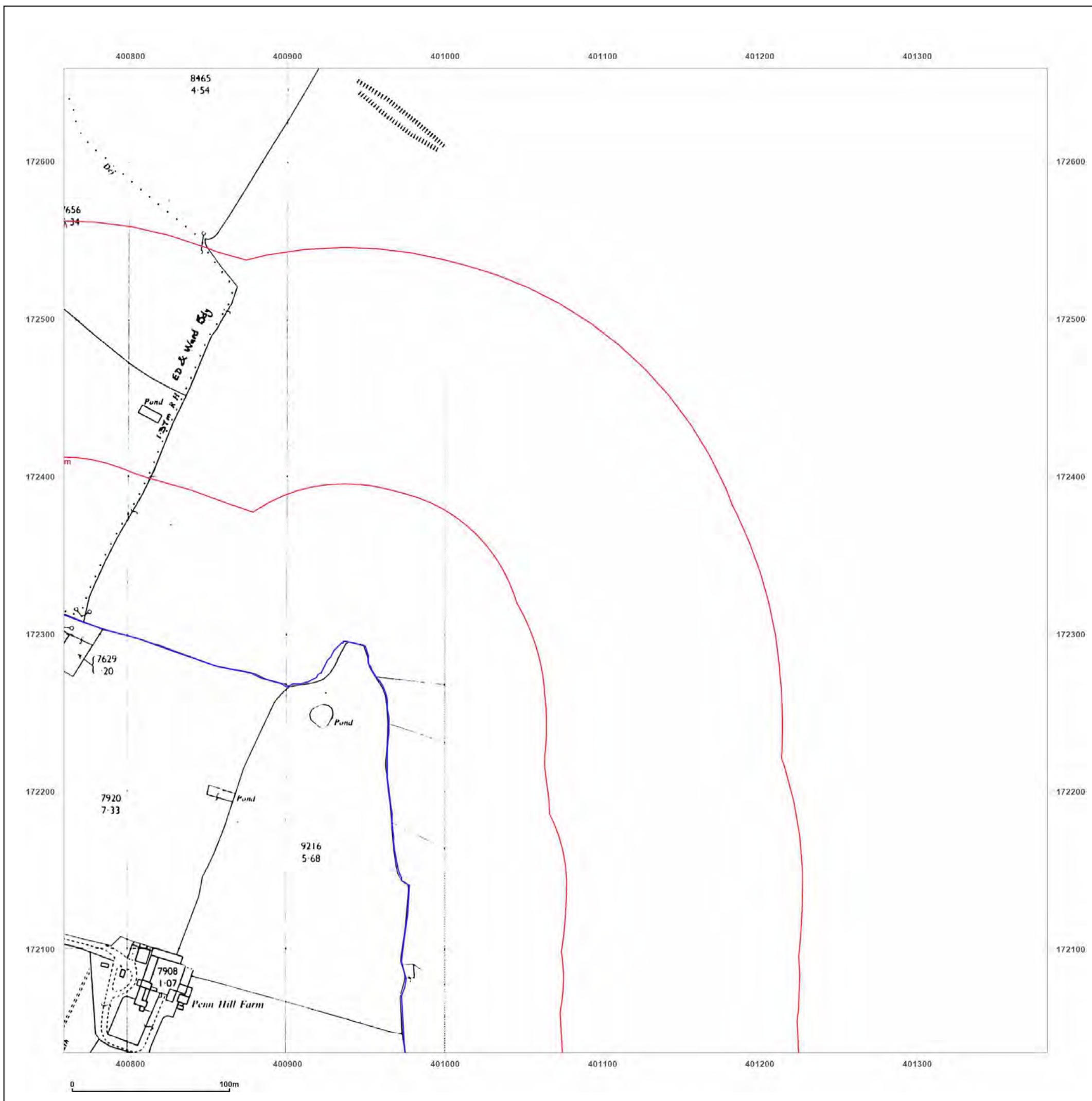


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Site Details:

400800, 172012

Client Ref: 24863
Report Ref: HYD-8964749_LS_2_2
Grid Ref: 401070, 172347

Map Name: National Grid

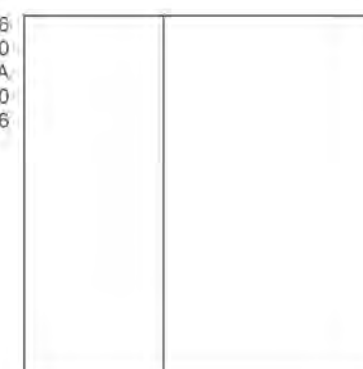
Map date: 1990

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1966
 Revised 1990
 Edition N/A
 Copyright 1990
 Levelled 1966

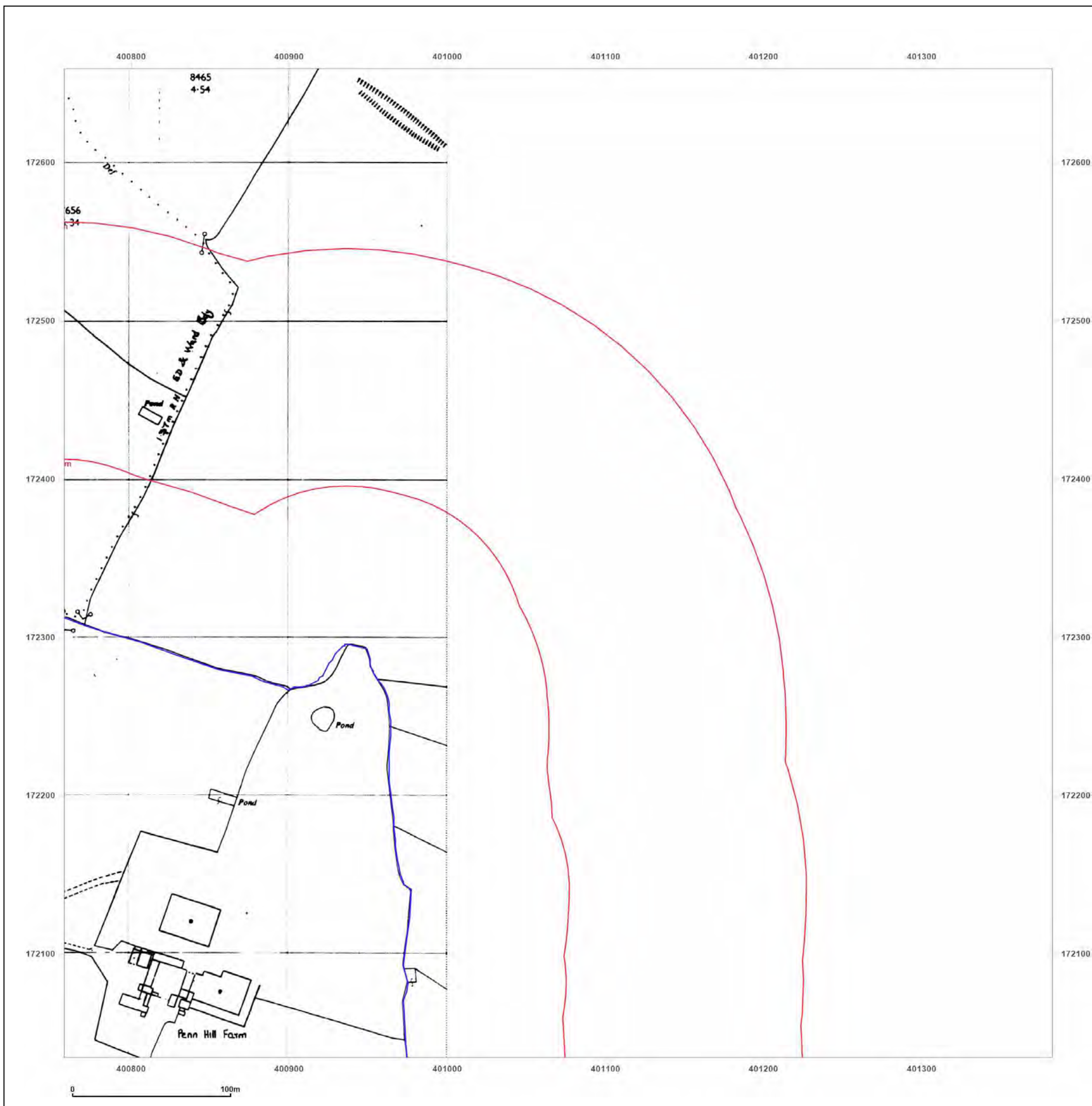


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Site Details:

400800, 172012

Client Ref: 24863
Report Ref: HYD-8964749_LS_2_2
Grid Ref: 401070, 172347

Map Name: National Grid

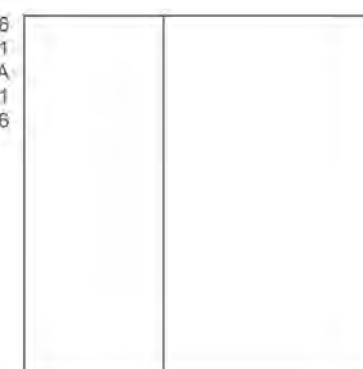
Map date: 1991

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1966
 Revised 1991
 Edition N/A
 Copyright 1991
 Levelled 1966

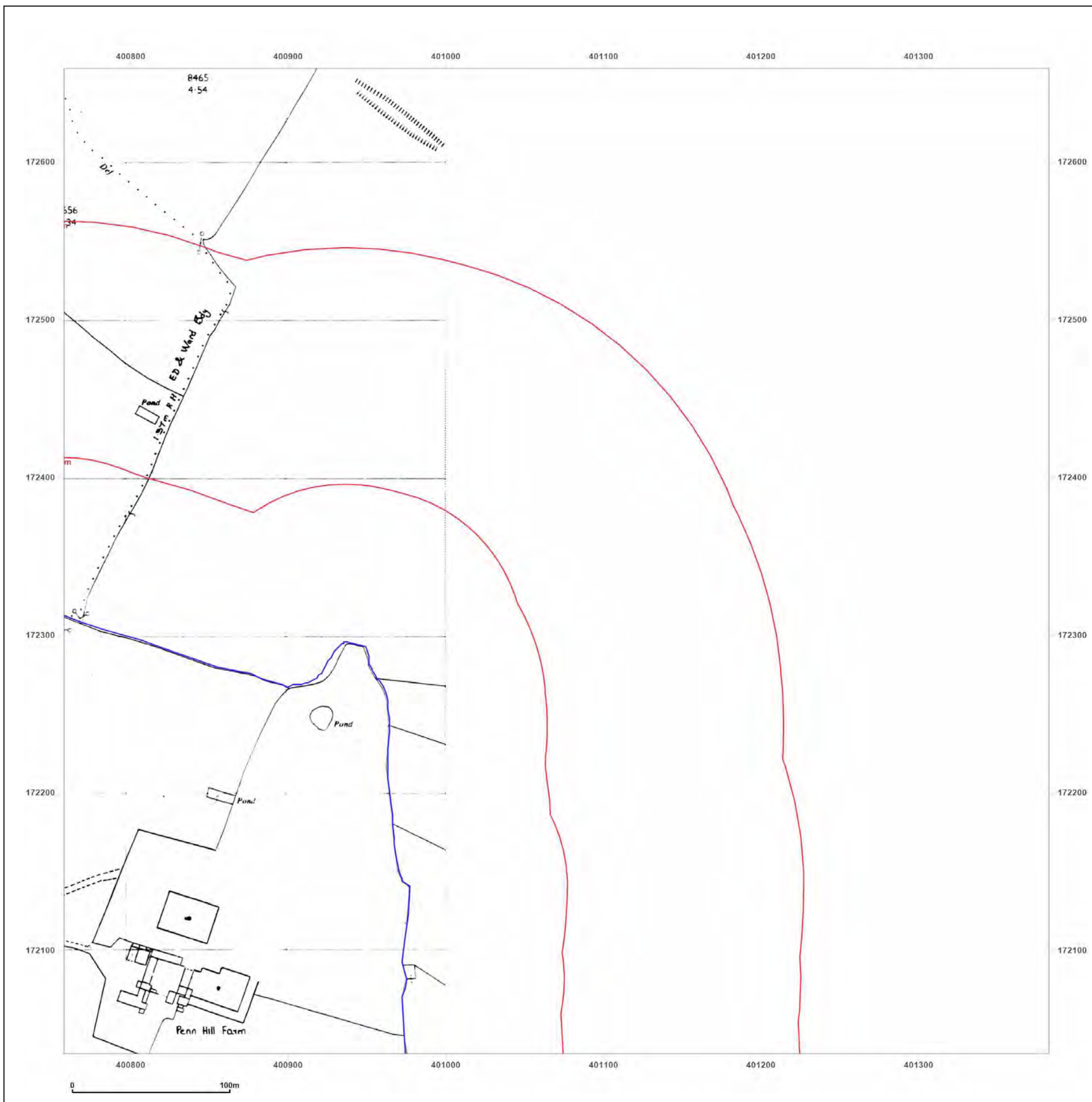


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Site Details:

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Client Ref: 24863
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Grid Ref: 401070, 172347

Map Name: National Grid

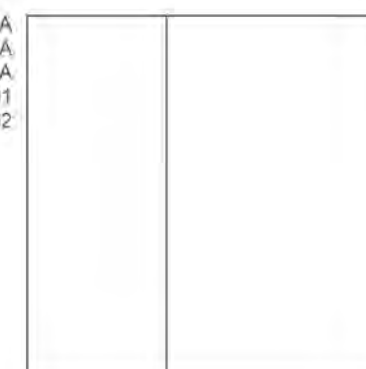
Map date: 1991

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
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Site Details:

400800, 172012

Client Ref: 24863
Report Ref: HYD-8964749_LS_2_2
Grid Ref: 401070, 172347

Map Name: National Grid

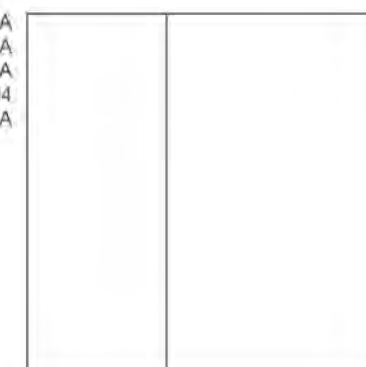
Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500



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



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Site Details:

400800, 172012

Client Ref: 24863
Report Ref: HYD-8964749_LS_2_2
Grid Ref: 401070, 172347

Map Name: National Grid

Map date: 1990-1994

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1966
 Revised 1990
 Edition N/A
 Copyright 1990
 Levelled 1966

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

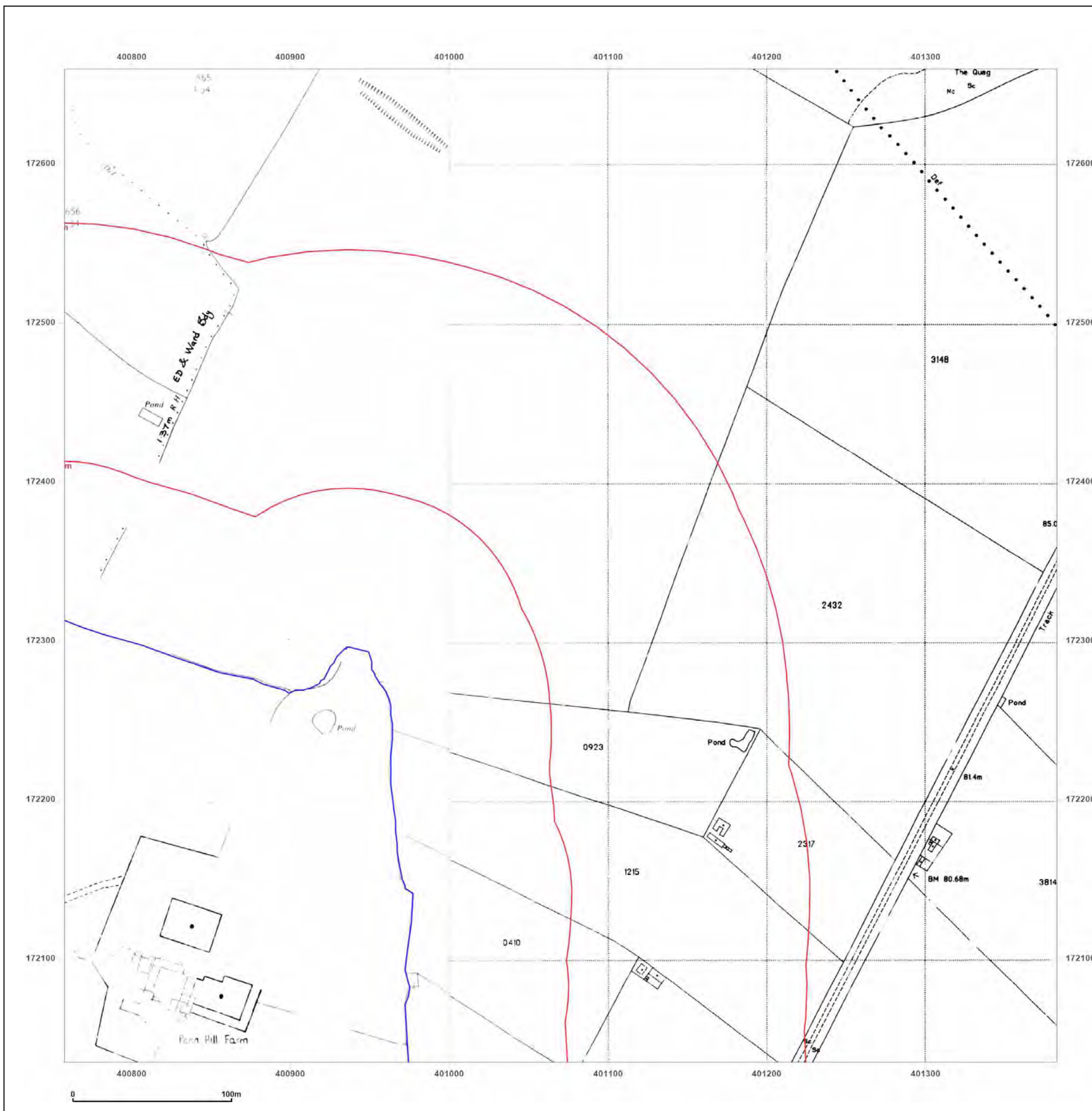


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Appendix D Desk Study Research Information

Groundsure Enviro Insight

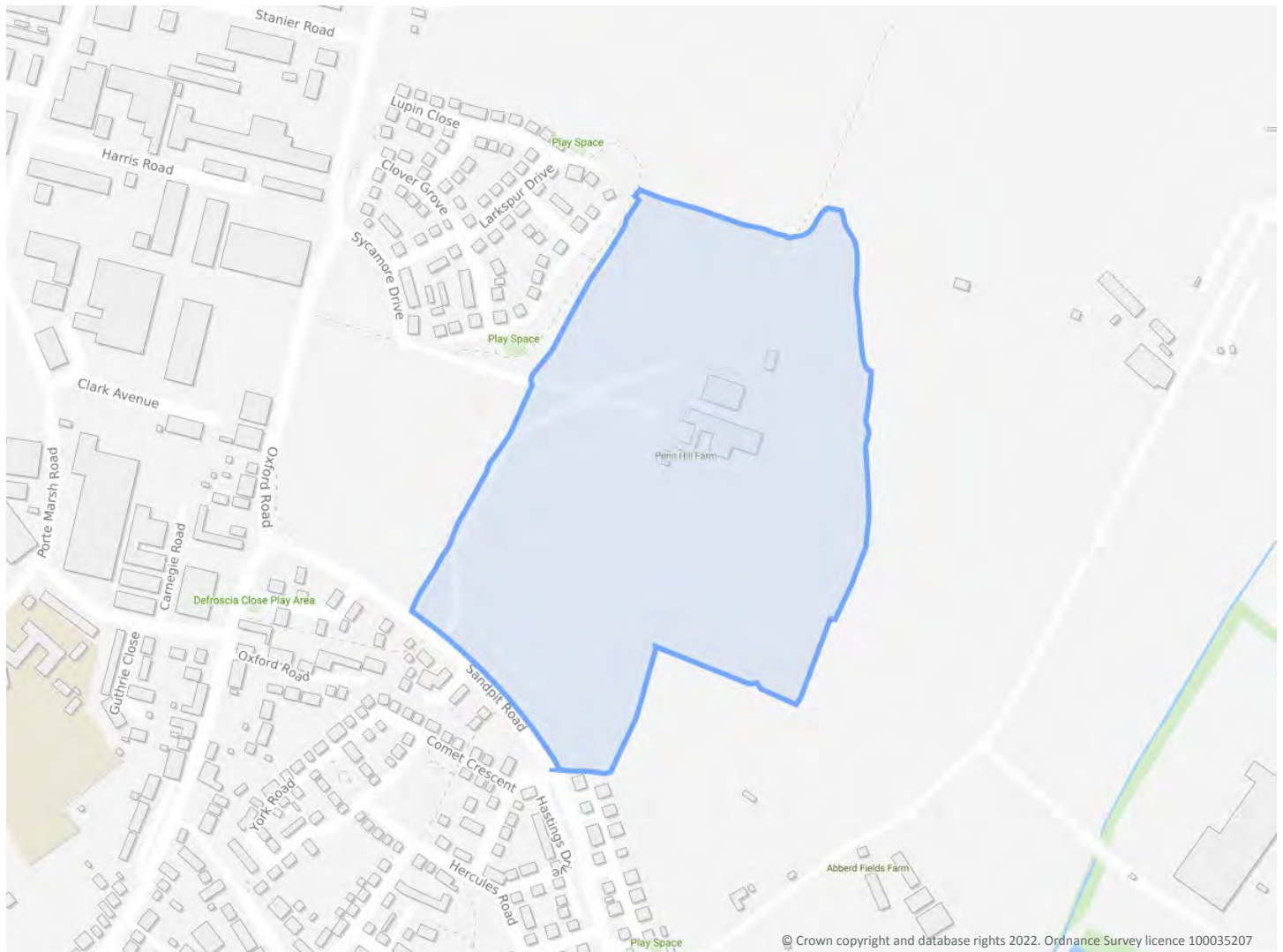
400800, 172012

Order Details

Date: 08/08/2022
Your ref: 24863
Our Ref: HYD-8964750

Site Details

Location: 400804 172070
Area: 15.3 ha
Authority: [Wiltshire Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

N/A: >10ha

groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	0	1	2	1	-
14	1.2	Historical tanks	0	0	0	2	-
14	1.3	Historical energy features	0	0	4	15	-
15	1.4	Historical petrol stations	0	0	0	0	-
16	1.5	Historical garages	0	0	0	6	-
16	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
17	2.1	Historical industrial land uses	0	2	2	1	-
18	2.2	Historical tanks	0	0	0	2	-
18	2.3	Historical energy features	0	0	14	46	-
21	2.4	Historical petrol stations	0	0	0	0	-
21	2.5	Historical garages	0	0	0	10	-
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	1	0	0	-
23	3.5	Historical waste sites	0	0	4	1	-
24	3.6	Licensed waste sites	0	0	2	9	-
28	3.7	Waste exemptions	7	0	24	29	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
34	4.1	Recent industrial land uses	4	0	8	-	-
35	4.2	Current or recent petrol stations	0	0	1	0	-
36	4.3	Electricity cables	0	0	0	0	-
36	4.4	Gas pipelines	0	0	0	0	-
36	4.5	Sites determined as Contaminated Land	0	0	0	0	-



36	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	0	0	0	1	-
36	4.7	Regulated explosive sites	0	0	0	0	-
37	4.8	Hazardous substance storage/usage	0	0	0	0	-
37	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
37	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	0	0	5	-
38	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	1	0	0	10	-
40	4.12	Radioactive Substance Authorisations	0	0	0	0	-
40	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	0	8	-
41	4.14	<u>Pollutant release to surface waters (Red List)</u>	0	0	0	1	-
42	4.15	Pollutant release to public sewer	0	0	0	0	-
42	4.16	List 1 Dangerous Substances	0	0	0	0	-
42	4.17	<u>List 2 Dangerous Substances</u>	0	0	0	1	-
43	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	1	4	1	-
43	4.19	Pollution inventory substances	0	0	0	0	-
44	4.20	Pollution inventory waste transfers	0	0	0	0	-
44	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
45	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
46	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
48	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
50	5.4	<u>Groundwater vulnerability- soluble rock risk</u>	Identified (within 0m)				
50	5.5	Groundwater vulnerability- local information	None (within 0m)				
51	5.6	<u>Groundwater abstractions</u>	1	3	0	0	6
54	5.7	<u>Surface water abstractions</u>	0	0	0	1	0
54	5.8	Potable abstractions	0	0	0	0	0
54	5.9	Source Protection Zones	0	0	0	0	-
54	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
56	6.1	Water Network (OS MasterMap)	0	0	0	-	-



56	6.2	Surface water features	0	0	0	-	-
57	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
57	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
58	6.5	WFD Groundwater bodies	0	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
59	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
59	7.2	Historical Flood Events	0	0	0	-	-
59	7.3	Flood Defences	0	0	0	-	-
60	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
60	7.5	Flood Storage Areas	0	0	0	-	-
61	7.6	Flood Zone 2	None (within 50m)				
61	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
62	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding					
63	9.1	<u>Groundwater flooding</u>	Negligible (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
64	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
65	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	0	0
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	0	0
66	10.12	Proposed Ramsar sites	0	0	0	0	0



66	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>	1	0	0	0	3
68	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
69	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
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	1	-	-
72	11.5	Conservation Areas	0	0	0	-	-
72	11.6	Scheduled Ancient Monuments	0	0	0	-	-
72	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
73	12.1	<u>Agricultural Land Classification</u>	Grade 3b (within 250m)				
74	12.2	Open Access Land	0	0	0	-	-
74	12.3	Tree Felling Licences	0	0	0	-	-
74	12.4	<u>Environmental Stewardship Schemes</u>	3	0	2	-	-
75	12.5	<u>Countryside Stewardship Schemes</u>	0	0	1	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
76	13.1	Priority Habitat Inventory	0	0	0	-	-
76	13.2	Habitat Networks	0	0	0	-	-
76	13.3	Open Mosaic Habitat	0	0	0	-	-
76	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
77	14.1	<u>10k Availability</u>	Identified (within 500m)				
78	14.2	Artificial and made ground (10k)	0	0	0	0	-
79	14.3	Superficial geology (10k)	0	0	0	0	-

79	14.4	Landslip (10k)	0	0	0	0	-
80	14.5	Bedrock geology (10k)	0	0	0	0	-
80	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
81	15.1	<u>50k Availability</u>	Identified (within 500m)				
82	15.2	<u>Artificial and made ground (50k)</u>	0	0	0	1	-
83	15.3	Artificial ground permeability (50k)	0	0	-	-	-
84	15.4	<u>Superficial geology (50k)</u>	0	0	0	1	-
85	15.5	Superficial permeability (50k)	None (within 50m)				
85	15.6	Landslip (50k)	0	0	0	0	-
85	15.7	Landslip permeability (50k)	None (within 50m)				
86	15.8	<u>Bedrock geology (50k)</u>	3	0	0	1	-
87	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
87	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
88	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence					
89	17.1	<u>Shrink swell clays</u>	Low (within 50m)				
90	17.2	<u>Running sands</u>	Negligible (within 50m)				
91	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
92	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
93	17.5	<u>Landslides</u>	Low (within 50m)				
95	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
97	18.1	Natural cavities	0	0	0	0	-
98	18.2	<u>BritPits</u>	0	0	1	1	-
98	18.3	<u>Surface ground workings</u>	0	2	7	-	-
99	18.4	Underground workings	0	0	0	0	0
99	18.5	<u>Historical Mineral Planning Areas</u>	0	0	1	0	-



99	18.6	Non-coal mining	0	0	0	0	0
100	18.7	Mining cavities	0	0	0	0	0
100	18.8	JPB mining areas	None (within 0m)				
100	18.9	Coal mining	None (within 0m)				
100	18.10	Brine areas	None (within 0m)				
100	18.11	Gypsum areas	None (within 0m)				
101	18.12	Tin mining	None (within 0m)				
101	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>102</u>	<u>19.1</u>	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>103</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	7	8	-	-	-
104	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
104	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
105	21.1	Underground railways (London)	0	0	0	-	-
105	21.2	Underground railways (Non-London)	0	0	0	-	-
105	21.3	Railway tunnels	0	0	0	-	-
105	21.4	Historical railway and tunnel features	0	0	0	-	-
105	21.5	Royal Mail tunnels	0	0	0	-	-
106	21.6	Historical railways	0	0	0	-	-
106	21.7	Railways	0	0	0	-	-
106	21.8	Crossrail 1	0	0	0	0	-
106	21.9	Crossrail 2	0	0	0	0	-
106	21.10	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 12/05/2020

Site Area: 15.3ha



Recent site history - 2017 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2022. All Rights Reserved.

Capture Date: 05/07/2017

Site Area: 15.3ha



Contact us with any questions at:

info@groundsure.com

08444 159 000

Date: 8 August 2022

Recent site history - 2006 aerial photograph



Capture Date: 05/06/2006

Site Area: 15.3ha



Recent site history - 2001 aerial photograph



Capture Date: 20/06/2001

Site Area: 15.3ha



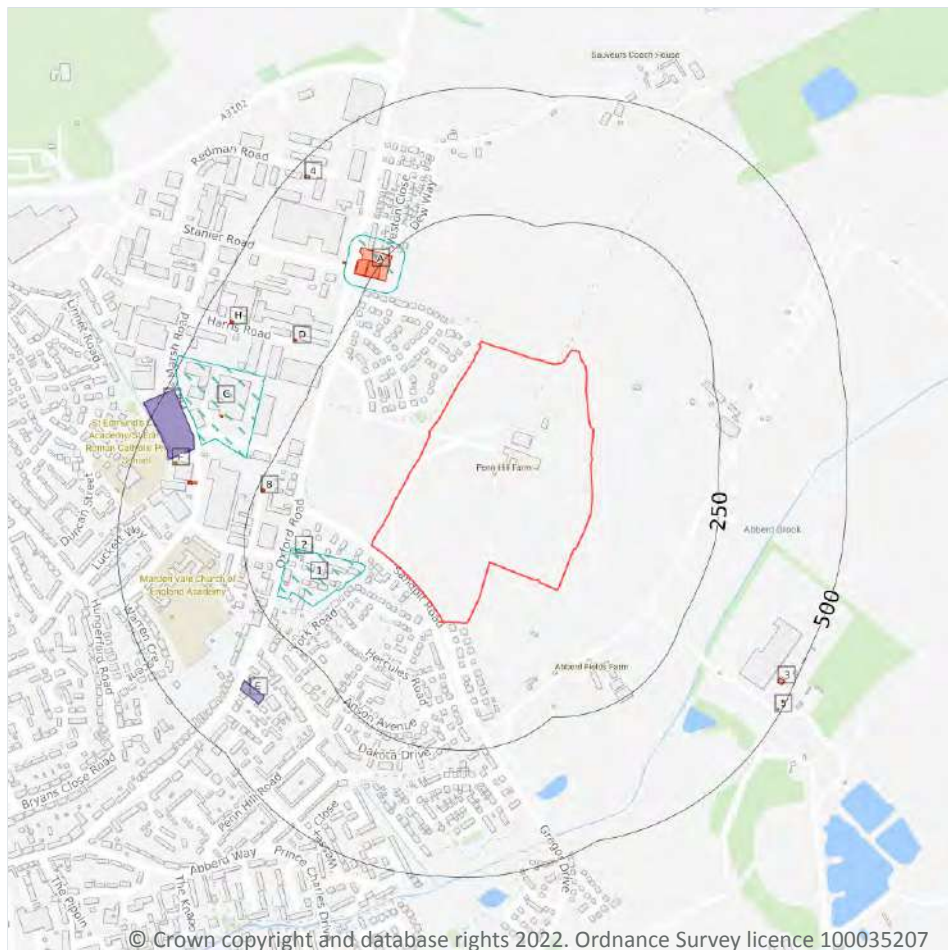
Recent site history - 1999 aerial photograph



Capture Date: 15/11/1999

Site Area: 15.3ha

1 Past land use



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

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 13**

ID	Location	Land use	Dates present	Group ID
1	39m SW	Brick Works	1885 - 1899	1912812



ID	Location	Land use	Dates present	Group ID
2	142m W	Unspecified Tank	1899	1857626
A	197m NW	Electric Substation	1978	1868794
C	297m NW	Unspecified Factory	1978	1859947

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

2

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 13**

ID	Location	Land use	Dates present	Group ID
F	414m W	Tanks	1994	310076
5	491m SE	Unspecified Tank	1991	304035

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

19

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 13**

ID	Location	Land use	Dates present	Group ID
A	222m NW	Electricity Substation	1968 - 1990	204653
B	234m NW	Electricity Substation	1968 - 1994	195019
B	237m NW	Electricity Substation	1986 - 1991	209058



ID	Location	Land use	Dates present	Group ID
A	237m NW	Electricity Substation	1991	199843
A	261m NW	Electricity Substation	1994	192274
A	307m NW	Electricity Substation	1986 - 1994	207558
D	315m NW	Electricity Substation	1994	195154
D	317m NW	Electricity Substation	1986 - 1991	200717
F	364m W	Electricity Substation	1986 - 1991	209210
F	373m W	Electricity Substation	1968 - 1994	198193
C	375m NW	Electricity Substation	1994	196816
C	376m NW	Electricity Substation	1968 - 1991	210153
H	441m NW	Electricity Substation	1990 - 1991	197152
H	441m NW	Electricity Substation	1987 - 1994	200444
3	468m SE	Electricity Substation	1991 - 1997	206756
4	468m NW	Electricity Substation	1991 - 1994	203186
G	485m NW	Electricity Substation	1968	211648
G	487m NW	Electricity Substation	1986 - 1991	196058
G	489m NW	Electricity Substation	1994	188968

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.



1.5 Historical garages

Records within 500m

6

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'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
E	364m SW	Garage	1968 - 1974	64070
E	365m SW	Garage	1986	61602
G	395m NW	Vehicle Testing Centre	1991 - 1994	64862
G	396m NW	Vehicle Testing Centre	1968	62154
G	397m NW	Vehicle Testing Centre	1991	62817
G	397m NW	Vehicle Testing Centre	1986 - 1990	63431

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

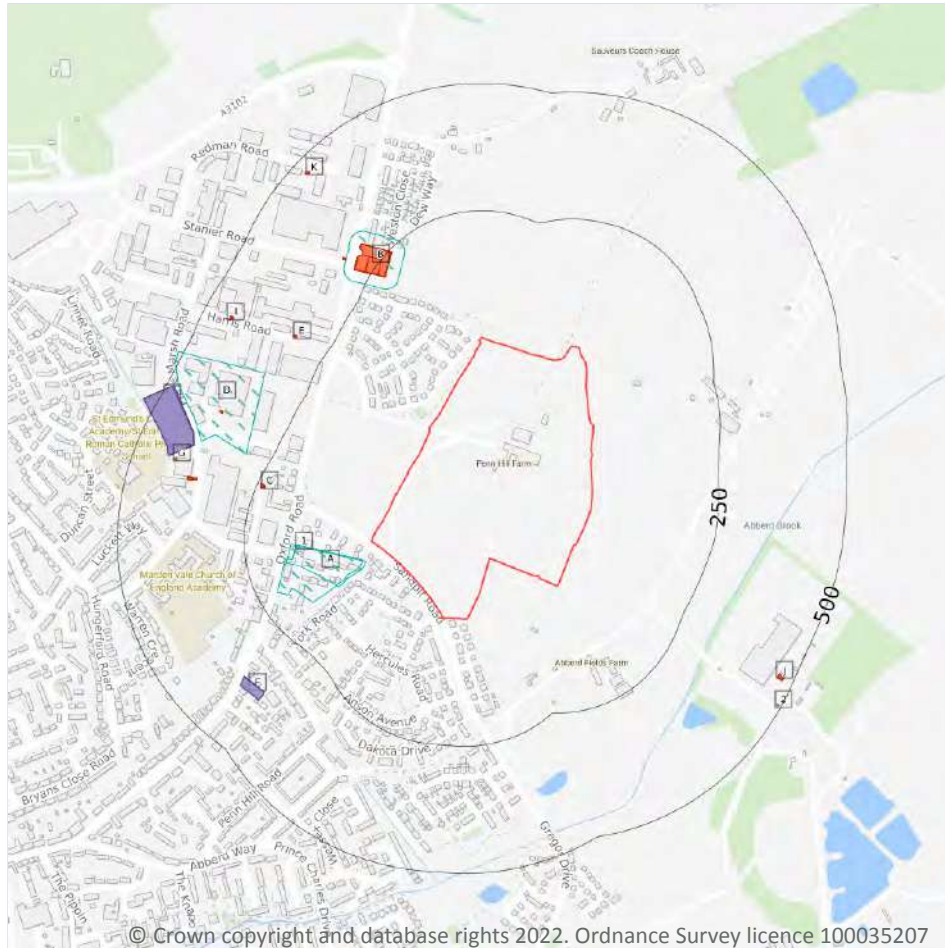
Records within 500m

0

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

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

2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

5

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 17**

ID	Location	Land Use	Date	Group ID
A	39m SW	Brick Works	1885	1912812
A	41m SW	Brick Works	1899	1912812
1	142m W	Unspecified Tank	1899	1857626

ID	Location	Land Use	Date	Group ID
B	197m NW	Electric Substation	1978	1868794
D	297m NW	Unspecified Factory	1978	1859947

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

2

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 17**

ID	Location	Land Use	Date	Group ID
G	414m W	Tanks	1994	310076
2	491m SE	Unspecified Tank	1991	304035

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

60

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 17**

ID	Location	Land Use	Date	Group ID
B	222m NW	Electricity Substation	1968	204653
B	225m NW	Electricity Substation	1986	204653
B	225m NW	Electricity Substation	1987	204653
B	225m NW	Electricity Substation	1990	204653
C	234m NW	Electricity Substation	1994	195019
C	235m NW	Electricity Substation	1968	195019
C	237m NW	Electricity Substation	1986	209058



ID	Location	Land Use	Date	Group ID
C	237m NW	Electricity Substation	1987	209058
C	237m NW	Electricity Substation	1990	209058
C	237m NW	Electricity Substation	1990	209058
C	237m NW	Electricity Substation	1991	209058
C	237m NW	Electricity Substation	1991	209058
B	237m NW	Electricity Substation	1991	199843
B	237m NW	Electricity Substation	1991	199843
B	261m NW	Electricity Substation	1994	192274
B	307m NW	Electricity Substation	1994	207558
B	308m NW	Electricity Substation	1986	207558
B	308m NW	Electricity Substation	1987	207558
B	308m NW	Electricity Substation	1990	207558
E	315m NW	Electricity Substation	1994	195154
E	317m NW	Electricity Substation	1986	200717
E	317m NW	Electricity Substation	1987	200717
E	317m NW	Electricity Substation	1990	200717
E	317m NW	Electricity Substation	1990	200717
E	317m NW	Electricity Substation	1991	200717
E	317m NW	Electricity Substation	1991	200717
G	364m W	Electricity Substation	1986	209210
G	364m W	Electricity Substation	1987	209210
G	364m W	Electricity Substation	1990	209210
G	364m W	Electricity Substation	1990	209210
G	364m W	Electricity Substation	1991	209210
G	364m W	Electricity Substation	1991	209210
G	373m W	Electricity Substation	1994	198193
G	374m W	Electricity Substation	1968	198193
D	375m NW	Electricity Substation	1994	196816



ID	Location	Land Use	Date	Group ID
D	376m NW	Electricity Substation	1968	210153
D	378m NW	Electricity Substation	1986	210153
D	378m NW	Electricity Substation	1987	210153
D	378m NW	Electricity Substation	1990	210153
D	378m NW	Electricity Substation	1990	210153
D	378m NW	Electricity Substation	1991	210153
D	378m NW	Electricity Substation	1991	210153
I	441m NW	Electricity Substation	1990	197152
I	441m NW	Electricity Substation	1990	197152
I	441m NW	Electricity Substation	1991	197152
I	441m NW	Electricity Substation	1991	197152
I	441m NW	Electricity Substation	1994	200444
I	443m NW	Electricity Substation	1987	200444
J	468m SE	Electricity Substation	1991	206756
K	468m NW	Electricity Substation	1994	203186
J	468m SE	Electricity Substation	1997	206756
K	469m NW	Electricity Substation	1991	203186
H	485m NW	Electricity Substation	1968	211648
H	487m NW	Electricity Substation	1986	196058
H	487m NW	Electricity Substation	1987	196058
H	487m NW	Electricity Substation	1990	196058
H	487m NW	Electricity Substation	1990	196058
H	487m NW	Electricity Substation	1991	196058
H	487m NW	Electricity Substation	1991	196058
H	489m NW	Electricity Substation	1994	188968

This data is sourced from Ordnance Survey / Groundsure.



2.4 Historical petrol stations

Records within 500m**0**

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m**10**

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'.

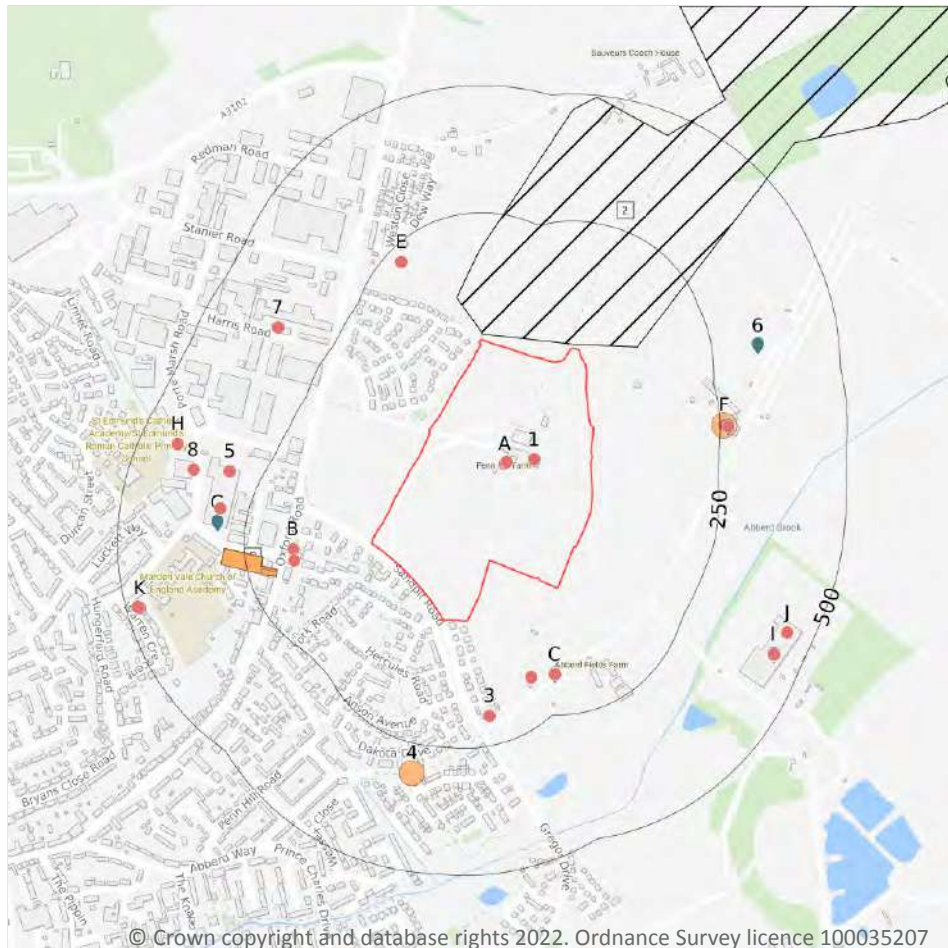
Features are displayed on the Past land use - un-grouped map on **page 17**

ID	Location	Land Use	Date	Group ID
F	364m SW	Garage	1968	64070
F	364m SW	Garage	1974	64070
F	365m SW	Garage	1986	61602
H	395m NW	Vehicle Testing Centre	1994	64862
H	396m NW	Vehicle Testing Centre	1968	62154
H	397m NW	Vehicle Testing Centre	1991	62817
H	397m NW	Vehicle Testing Centre	1986	63431
H	397m NW	Vehicle Testing Centre	1987	63431
H	397m NW	Vehicle Testing Centre	1990	63431
H	398m NW	Vehicle Testing Centre	1991	64862

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical waste sites
- 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

1

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.

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

ID	Location	Details		
2	7m N	Site Address: Calne Sandpit, High Penn Farm, Oxford Road, Calne, Wiltshire Licence Holder Address: Kingshill, Swindon, Wiltshire	Waste Licence: Yes Site Reference: NW/77/0006/WD, N771342 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 05/06/1978 Licence Surrender: 31/12/1990	Operator: - Licence Holder: Hills of Swindon First Recorded - Last Recorded: 31/12/1990

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

3.5 Historical waste sites

Records within 500m

5

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

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

ID	Location	Address	Further Details	Date
D	192m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1968



ID	Location	Address	Further Details	Date
D	192m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1974
D	194m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
F	231m E	Site Address: Calne Aggregates, Abberd Lane, Abberd, Calne, Wiltshire, SN11 8TE	Type of Site: Waste Processing Building (Extension) Planning application reference: 15/10250/WCM Description: Scheme comprises extension to waste processing building to replace workshop premises. Data source: Historic Planning Application Data Type: Point	17/12/2015
4	283m S	Site Address: Land At, Abberd Lane, Abberd, Calne, Wiltshire, SN11 8TE	Type of Site: Waste Management Facility (Extension) Planning application reference: 18/11133/WCM Description: Scheme comprises extend waste management facility, erect 2 buildings to accommodate biomass boilers, erect 2 fuel storage silos, erect 3 drying bays, install associated equipment and ducting, erect security fence Data source: Historic Planning Application Data Type: Point	13/12/2018

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

3.6 Licensed waste sites

Records within 500m

11

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		
C	171m S	Site Name: Abberd Lane Transfer Station Site Address: Abberds Lane, Abberd Lane Transfer Station, Abberd Lane, Abberd, Calne, Wiltshire, SN1 8TE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CAH001 EPR reference: EA/EPR/GB3730DL/V003 Operator: Calne Aggregates Holdings Ltd Waste Management licence No: 27153 Annual Tonnage: 150000	Issue Date: 07/06/1993 Effective Date: 07/06/2012 Modified: 04/10/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
C	171m S	Site Name: Abberd Lane Transfer Station Site Address: Abberds Lane, Abberd Lane Transfer Station, Abberd Lane, Abberd, Calne, Wiltshire, SN1 8TE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CAH001 EPR reference: EA/EPR/GB3730DL/V002 Operator: Colne Aggregates Holdings Ltd Waste Management licence No: 27153 Annual Tonnage: 150000	Issue Date: 07/06/1993 Effective Date: 07/06/2012 Modified: 22/08/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
F	264m E	Site Name: R F Wood And Waste Recycling Limited Site Address: Abberd Lane, Calne, Wiltshire, SN11 8TE Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RFW001 EPR reference: EA/EPR/GB3302TC/A001 Operator: R F Wood And Waste Recycling Limited Waste Management licence No: 404896 Annual Tonnage: 74999	Issue Date: 06/09/2018 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
F	264m E	Site Name: R F Wood And Waste Recycling Limited Site Address: Abberd Lane, Calne, Wiltshire, SN11 8TE Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RFW001 EPR reference: EA/EPR/GB3302TC/A001 Operator: R F Wood And Waste Recycling Limited Waste Management licence No: 404896 Annual Tonnage: 74999	Issue Date: 06/09/2018 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
G	305m W	Site Name: Units 3-5 Site Address: Units 3-5, No 2, Porte Marsh Road, Porte Marsh Ind Est, Calne, Wiltshire, SN11 9BW Correspondence Address: -	Type of Site: 75kte Materials Recycling Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HWS001 EPR reference: EA/EPR/AB3338AS/S003 Operator: Hills Waste Solutions Ltd Waste Management licence No: 103018 Annual Tonnage: 0	Issue Date: 09/09/2011 Effective Date: - Modified: 16/07/2014 Surrendered Date: Mar 2 2021 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
G	305m W	Site Name: Units 3-5 Site Address: Units 3-5, No 2, Porte Marsh Road, Porte Marsh Ind Est, Calne, Wiltshire, SN11 9BW Correspondence Address: -	Type of Site: 75kte Materials Recycling Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HWS001 EPR reference: EA/EPR/AB3338AS/V002 Operator: Hills Waste Solutions Ltd Waste Management licence No: 103018 Annual Tonnage: 74999	Issue Date: 09/09/2011 Effective Date: - Modified: 16/07/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
6	339m E	Site Name: Abberd Lane Transfer Station Site Address: Abberds Lane, Land/premises At, Abberd Lane, Calne, Wiltshire, SN1 8TE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HUD086 EPR reference: EA/EPR/RP3890FM/A001 Operator: Hudd Mr & Mrs Waste Management licence No: 27153 Annual Tonnage: 25000	Issue Date: 07/06/1993 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
I	441m SE	Site Name: Sands Farm Quarry Site Address: Sands Farm Quarry, Sand Pit Road, Calne, Wiltshire, SN11 8TJ Correspondence Address: -	Type of Site: Management of inert or extractive waste at mine Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AGG077 EPR reference: EA/EPR/SP3897EA/A001 Operator: Aggregate Industries U K Ltd Waste Management licence No: 102386 Annual Tonnage: 0	Issue Date: 31/01/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
I	443m SE	Site Name: Sand's Farm Facility Site Address: Sand's Farm Facility, Abberd Lane, Abberd, Wiltshire, SN11 8TJ Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HIL012 EPR reference: EA/EPR/HB3307HF/A001 Operator: Hills Waste Solutions Limited Waste Management licence No: 406191 Annual Tonnage: 51999	Issue Date: 09/10/2019 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
I	443m SE	Site Name: Sand's Farm Facility Site Address: Abberd Lane, Abberd, Wiltshire, SN11 8TJ Correspondence Address: -	Type of Site: - Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HIL012 EPR reference: EA/EPR/HB3307HF/A001 Operator: Hills Waste Solutions Limited Waste Management licence No: 406191 Annual Tonnage: 51999	Issue Date: 09/10/2019 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
I	443m SE	Site Name: Sand's Farm Facility Site Address: Sand's Farm Facility, Abberd Lane, Abberd, Wiltshire, SN11 8TJ Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HIL012 EPR reference: EA/EPR/HB3307HF/A001 Operator: Hills Waste Solutions Limited Waste Management licence No: 406191 Annual Tonnage: 51999	Issue Date: 09/10/2019 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	60
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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
1	On site	Yard 1, Penn hill industrial, Oxford road, Calne, Sn118rr	WEX126529	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	On site	PENN HILL FARM, OXFORD ROAD, CALNE, SN11 8RR	WEX046750	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters



ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	PENN HILL FARM, OXFORD ROAD, CALNE, SN11 8RR	WEX046750	Disposing of waste exemption	On a farm	Burning waste in the open
A	On site	PENN HILL FARM, OXFORD ROAD, CALNE, SN11 8RR	WEX046750	Using waste exemption	On a farm	Use of waste in construction
A	On site	Penn Hill Farm Oxford Road Calne Wiltshire SN11 8RR	EPR/ZH0571D T/A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of waste from dredging of inland waters
A	On site	Penn Hill Farm Oxford Road Calne Wiltshire SN11 8RR	EPR/ZH0571D T/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
A	On site	Penn Hill Farm Oxford Road Calne Wiltshire SN11 8RR	EPR/ZH0571D T/A001	Using waste exemption	Agricultural Waste Only	Use of waste in construction
B	156m W	20 new builds being built by Hills Home Developments Ltd	WEX262073	Using waste exemption	On a farm	Use of mulch
B	157m W	C/O Hills homes, Oxford Rd, Calne, SN11 8AP	WEX257182	Using waste exemption	Not on a farm	Use of waste in construction
C	167m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX287606	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	167m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX287606	Storing waste exemption	Not on a farm	Storage of waste in secure containers
C	167m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX287606	Treating waste exemption	Not on a farm	Manual treatment of waste
C	167m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX287606	Treating waste exemption	Not on a farm	Sorting mixed waste
C	167m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX287606	Treating waste exemption	Not on a farm	Recovery of scrap metal
C	167m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX287606	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	167m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX287606	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)



ID	Location	Site	Reference	Category	Sub-Category	Description
C	167m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX287606	Treating waste exemption	Not on a farm	Recovery of textiles
C	167m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX287606	Using waste exemption	Not on a farm	Incorporation of ash into soil
C	167m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX287606	Using waste exemption	Not on a farm	Use of waste in construction
C	171m S	SMALL HOLDING ABBERD LANE CALNE WILTSHIRE SN11 8TE	EPR/EF0401CJ /A001	Using waste exemption	Non-Agricultural Waste Only	Use of mulch
C	171m S	SMALL HOLDING ABBERD LANE CALNE WILTSHIRE SN11 8TE	EPR/NF0204PJ /A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in secure containers
C	171m S	SMALL HOLDING ABBERD LANE CALNE WILTSHIRE SN11 8TE	EPR/NF0204PJ /A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
C	171m S	SMALL HOLDING ABBERD LANE CALNE WILTSHIRE SN11 8TE	EPR/NF0204PJ /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Preparatory treatments (baling, sorting, shredding etc)
C	171m S	SMALL HOLDING ABBERD LANE CALNE WILTSHIRE SN11 8TE	EPR/NF0204PJ /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Screening and blending of waste
C	171m S	SMALL HOLDING ABBERD LANE CALNE WILTSHIRE SN11 8TE	EPR/NF0204PJ /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	171m S	SMALL HOLDING ABBERD LANE CALNE WILTSHIRE SN11 8TE	EPR/NF0204PJ /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
C	171m S	SMALL HOLDING ABBERD LANE CALNE WILTSHIRE SN11 8TE	EPR/NF0204PJ /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
3	193m S	SMALL HOLDING ABBERD LANE CALNE WILTSHIRE SN11 8TE	EPR/HE5248N U/A001	Using waste exemption	Both agricultural and non-agricultural waste	Burning of waste as a fuel in a small appliance
E	219m NW	-	WEX144390	Storing waste exemption	On a farm	Storage of waste in a secure place
E	219m NW	-	WEX144390	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	219m NW	-	WEX144390	Using waste exemption	On a farm	Use of mulch
F	257m E	ABBERD LANE, ABBERD, CALNE, SN11 8TE	WEX122216	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	265m E	Abberd Lane, Calne (previous Calne Aggregates Holding Ltd) Triangle area surrounded by fields. Abberd Lane is a track leading to the site.	WEX270285	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
F	265m E	-	WEX129978	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
G	306m W	WILTSHIRE HOUSE, COUNTY PARK, SHRIVENHAM ROAD, SWINDON, SN1 2NR	WEX091769	Using waste exemption	Not on a farm	Use of waste for a specified purpose
G	306m W	WILTSHIRE HOUSE, COUNTY PARK, SHRIVENHAM ROAD, SWINDON, SN1 2NR	WEX091769	Treating waste exemption	Not on a farm	Sorting mixed waste
G	306m W	WILTSHIRE HOUSE, COUNTY PARK, SHRIVENHAM ROAD, SWINDON, SN1 2NR	WEX091769	Treating waste exemption	Not on a farm	Manual treatment of waste



ID	Location	Site	Reference	Category	Sub-Category	Description
5	312m NW	Units 3-5 No 2 Porte Marsh Road Calne Wiltshire SN11 9BW	EA/EPR/VP374 9BE/A001	Treating waste exemption	Non-Agricultural Waste Only	Repair or refurbishment of WEEE
7	360m NW	Unit 26 Calne Business Centre Harris Road CALNE Wiltshire SN11 9PT	EPR/YF0004G D/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
8	379m W	Units 3-5 Porte Marsh Road, Porte Marsh Industrial Estate, Calne, Wiltshire, SN11 9BW	EA/EPR/VP385 5HV/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
H	427m NW	Units 3-5 Port Marsh Industrial Estate Porte Marsh Road CALNE Wiltshire SN11 9BW	EPR/PE5045P U/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste for a specified purpose
H	427m NW	Units 3-5 Port Marsh Industrial Estate Porte Marsh Road CALNE Wiltshire SN11 9BW	EPR/ZE5942PL /A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste
H	427m NW	Units 3-5 Port Marsh Industrial Estate Porte Marsh Road CALNE Wiltshire SN11 9BW	EPR/ZE5942PL /A001	Treating waste exemption	Non-Agricultural Waste Only	Manual treatment of waste
H	427m NW	Units 3-5 Port Marsh Industrial Estate Porte Marsh Road CALNE Wiltshire SN11 9BW	EPR/ZE5942PL /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste for a specified purpose
I	444m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX148236	Treating waste exemption	Not on a farm	Recovery of textiles
I	444m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX148236	Using waste exemption	Not on a farm	Incorporation of ash into soil
I	444m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX148236	Storing waste exemption	Not on a farm	Storage of waste in secure containers
I	444m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX148236	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
I	444m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX148236	Treating waste exemption	Not on a farm	Recovery of scrap metal

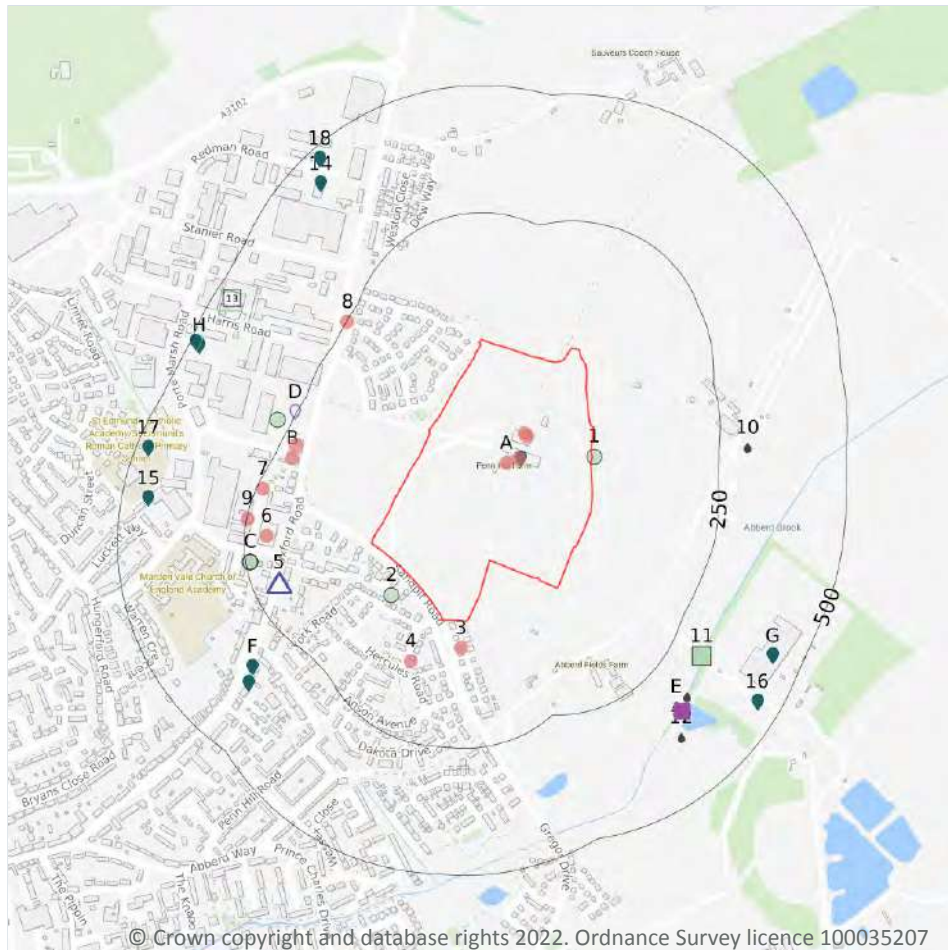


ID	Location	Site	Reference	Category	Sub-Category	Description
I	444m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX148236	Using waste exemption	Not on a farm	Use of waste in construction
I	444m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX148236	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	444m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX148236	Treating waste exemption	Not on a farm	Sorting mixed waste
I	444m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX148236	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	444m SE	RF Wood and Waste Recycling Ltd, Abberd Lane, Calne, SN11 8TE	WEX148236	Treating waste exemption	Not on a farm	Manual treatment of waste
J	448m SE	SAND PIT ROAD, CALNE, SN11 8TJ	WEX293758	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
J	448m SE	SAND PIT ROAD, CALNE, SN11 8TJ	WEX293758	Storing waste exemption	Not on a Farm	Storage of waste in secure containers
K	474m W	38, WARREN CRESCENT, CALNE, SN11 9BL	WEX234458	Storing waste exemption	Not on a farm	Storage of waste in a secure place
K	474m W	38, WARREN CRESCENT, CALNE, SN11 9BL	WEX294985	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
K	474m W	38, WARREN CRESCENT, CALNE, SN11 9BL	WEX155207	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
K	478m W	38 Warren Crescent Calne Wiltshire SN11 9BL	EPR/TF0007ER /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ▲ Current or recent petrol stations
- Control of Major Accident Hazards
- ⬮ Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollutant release to surface waters
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

12

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Company	Address	Activity	Category
A	On site	C N C 123	Penn Hill Farm, Oxford Road, Calne, Wiltshire, SN11 8RR	Furniture	Consumer Products
A	On site	Calne Travel	Unit 22, Pennhill Farm, Oxford Road, Calne, Wiltshire, SN11 8RR	Vehicle Hire and Rental	Hire Services
A	On site	L G Cook & M Burns	Unit 1, Penn Hill Farm Oxford Road, Calne, Wiltshire, SN11 8RR	Vehicle Repair, Testing and Servicing	Repair and Servicing



ID	Location	Company	Address	Activity	Category
A	On site	Penn Hill Motors	Unit 5 Pennhill Farm, Oxford Road, Calne, Wiltshire, SN11 8RR	Vehicle Repair, Testing and Servicing	Repair and Servicing
3	53m S	Benham Body Works	Unit 3 Pennhill Farm, Oxford Road, Calne, Wiltshire, SN11 8RR	Vehicle Repair, Testing and Servicing	Repair and Servicing
4	103m SW	Electricity Sub Station	Wiltshire, SN11	Electrical Features	Infrastructure and Facilities
6	207m W	Factory	Wiltshire, SN11	Unspecified Works Or Factories	Industrial Features
B	216m W	Total Connections	Unit 2, Clark Avenue, Calne, Wiltshire, SN11 9BS	Electrical Components	Industrial Products
B	221m NW	J J & S Transport	Clark Avenue, Calne, Wiltshire, SN11 9BS	Distribution and Haulage	Transport, Storage and Delivery
7	239m NW	Electricity Sub Station	Wiltshire, SN11	Electrical Features	Infrastructure and Facilities
8	248m NW	Electricity Sub Station	Wiltshire, SN11	Electrical Features	Infrastructure and Facilities
9	249m W	Factory	Wiltshire, SN11	Unspecified Works Or Factories	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Company	Address	LPG	Status
5	198m SW	BP	148, Oxford Road, Calne, Wiltshire, SN11 8AH	No	Open

This data is sourced from Experian.



4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

1

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.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Company	Address	Operational status	Tier
13	433m NW	Trotman & Sons Ltd	Trotman And Sons Ltd, C/o 3 Harris Road, Portemmarsh Trading Estate, Calne, SN11 9PT	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.



4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

5

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

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Details	
D	252m NW	Operator: CONRAD (CALNE) LIMITED Installation Name: CALNE PEAK POWER ELECTRICITY GENERATION FACILITY Process: NEW MEDIUM COMBUSTION PLANT Permit Number: RP3137QT Original Permit Number: RP3137QT	EPR Reference: - Issue Date: 28/03/2019 Effective Date: 28/03/2019 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
D	252m NW	Operator: CONRAD (CALNE) LIMITED Installation Name: CALNE PEAK POWER ELECTRICITY GENERATION FACILITY Process: NEW MEDIUM COMBUSTION PLANT Permit Number: KP3309ST Original Permit Number: RP3137QT	EPR Reference: - Issue Date: 24/11/2020 Effective Date: 24/11/2020 Last date noted as effective: 13/06/2022 Status: EFFECTIVE
G	442m E	Operator: AGGREGATE INDUSTRIES UK LIMITED Installation Name: CALNE SAND PIT LANDFILL Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: SP3236SC Original Permit Number: SP3236SC	EPR Reference: - Issue Date: 07/03/2006 Effective Date: 07/03/2006 Last date noted as effective: 13/06/2022 Status: SUPERCEDED



ID	Location	Details	
G	442m E	Operator: AGGREGATE INDUSTRIES UK LIMITED Installation Name: CALNE SAND PIT LANDFILL Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: PP3730MB Original Permit Number: SP3236SC	EPR Reference: - Issue Date: 21/03/2007 Effective Date: 21/03/2007 Last date noted as effective: 13/06/2022 Status: SUPERCEDED
G	442m E	Operator: AGGREGATE INDUSTRIES UK LIMITED Installation Name: CALNE SAND PIT LANDFILL EPR/SP3236SC Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: XP3339KW Original Permit Number: SP3236SC	EPR Reference: - Issue Date: 17/07/2009 Effective Date: 17/07/2009 Last date noted as effective: 13/06/2022 Status: SUPERCEDED

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

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

Records within 500m	11
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Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Address	Details	
A	On site	Safety First Commercials Ltd, Unit 15, PenHill Industrial Estate, Oxford Road, Calne, SN11 8RR	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
F	338m SW	Murco, 154 Oxford Road, Calne, SN11 8AH	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
F	367m SW	Murco Petroleum Ltd, Oxford Road, Calne, Wiltshire	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
14	440m NW	Central Concrete Ltd, Beversbrook Industrial Estate, Calne, SN11 9PL	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
G	442m E	Aggregate Industries, Sand Pit Road, Calne, SN11 8TJ	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
15	448m W	H & H Electronics	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
16	452m SE	Eec Construction Materials	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
17	477m W	Climet/Metron	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
18	478m NW	Central Fencing Ltd, Central Fencing Company, Beversbrook Industrial Estate, Redman Road, Calne, Wiltshire	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
H	481m NW	Oldacres	Process: Pet Food Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
H	492m NW	Alpine Sheet Metal Ltd, Bays 2 & 3, Porte Marsh Road, Calne, Wiltshire	Process: Manufacture of Coating Materials Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0
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Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

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

4.13 Licensed Discharges to controlled waters

Records within 500m	8
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Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Address	Details	
10	304m E	KWIK SKIP RECLAMATION YARD, ABBERDD LANE, CALNE, WILTS, SN11 3AQ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: 100980 Permit Version: 1 Receiving Water: UN-NAMED TRIB RIVER MARDEN	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 15/10/1999 Effective Date: 11/10/1999 Revocation Date: 25/06/2013
E	331m SE	SANDS FARM WORKS, ABBERD LANE, CALNE, WILTS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 011331 Permit Version: 1 Receiving Water: ABBERD BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 113 & SCHED 12) Issue date: - Effective Date: 25/04/1990 Revocation Date: 20/10/2009
E	331m SE	SANDS FARM WORKS, ABBERD LANE, CALNE, WILTS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 011331 Permit Version: 2 Receiving Water: ABBERD BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 113 & SCHED 12) Issue date: 21/10/2009 Effective Date: 21/10/2009 Revocation Date: -



ID	Location	Address	Details	
E	332m SE	CALNE SANDPIT, ABBERD WAY, CALNE, WILTSHIRE, SN11 8TF	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: 011355 Permit Version: 1 Receiving Water: ABBERD BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 23/11/1990 Revocation Date: 31/01/2003
E	338m SE	SANDS FARM WORKS, ABBERD LANE, CALNE, WILTS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 011463 Permit Version: 1 Receiving Water: ABBERD BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 25/04/1990 Revocation Date: 31/01/2003
E	345m SE	CALNE QUARRY, SANDPIT ROAD, CALNE, WILTSHIRE, SN11 8TF	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: 101951 Permit Version: 1 Receiving Water: ABBERD BROOK	Status: REVOKED UNDER EPR 2010 Issue date: 13/02/2003 Effective Date: 31/01/2003 Revocation Date: 30/01/2011
E	345m SE	CALNE QUARRY, SANDPIT ROAD, CALNE, WILTSHIRE, SN11 8TF	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: EPRSP3897EA Permit Version: 1 Receiving Water: ABBERD BROOK	Status: VARIED UNDER EPR 2010 Issue date: 31/01/2011 Effective Date: 31/01/2011 Revocation Date: -
12	382m SE	SANDS FARM WORKS, ABBERD LANE, CALNE, WILTS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 011463 Permit Version: 1 Receiving Water: ABBERD BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 25/04/1990 Revocation Date: 31/01/2003

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

1

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

Features are displayed on the Current industrial land use map on **page 34**



ID	Location	Address	Details	
E	345m SE	AGGREGATE INDUSTRIES UK LIMITED, CALNE QUARRY, SANDPIT ROAD, CALNE, WILTSHIRE, SN11 8TF	Permit Number: 101951 Permit Version: 1 Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Discharge Type: Extraction of Stone, Gravel, etc	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Catchment: BRINKWORTH Approval Date: 2003-01-31T00:00:00.000Z

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

4.15 Pollutant release to public sewer

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

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

4.16 List 1 Dangerous Substances

Records within 500m	0
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Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

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

4.17 List 2 Dangerous Substances

Records within 500m	1
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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.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Name	Status	Receiving Water	Authorised Substances
11	313m SE	Calne Quarry	Active	None	Chromium, Iron

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

6

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 34**

ID	Location	Details	
1	3m E	Incident Date: 17/04/2003 Incident Identification: 152027 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
2	52m SW	Incident Date: 26/09/2001 Incident Identification: 33063 Pollutant: Specific Waste Materials Pollutant Description: Metal Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
C	241m W	Incident Date: 06/02/2003 Incident Identification: 135387 Pollutant: Inorganic Chemicals/Products:Inorganic Chemicals/Products Pollutant Description: Acids:Alkalis	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
C	241m W	Incident Date: 06/02/2003 Incident Identification: 135387 Pollutant: Inorganic Chemicals/Products Pollutant Description: Acids	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
C	241m W	Incident Date: 06/02/2003 Incident Identification: 135387 Pollutant: Inorganic Chemicals/Products Pollutant Description: Alkalis	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	277m NW	Incident Date: 17/02/2002 Incident Identification: 58853 Pollutant: Organic Chemicals/Products Pollutant Description: Alcohols/Aldehydes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m

0

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



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

4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

4.21 Pollution inventory radioactive waste

Records within 500m

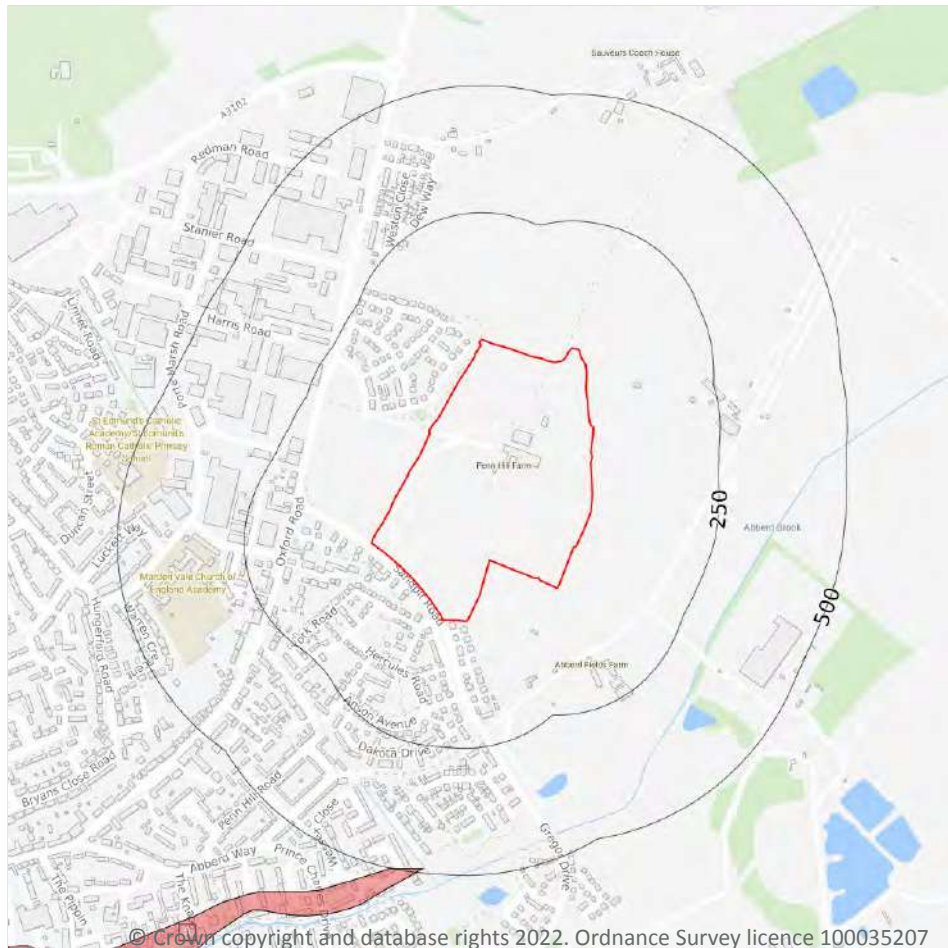
0

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

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



5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

1

Aquifer status of groundwater held within superficial geology.

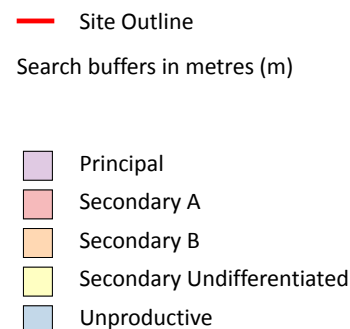
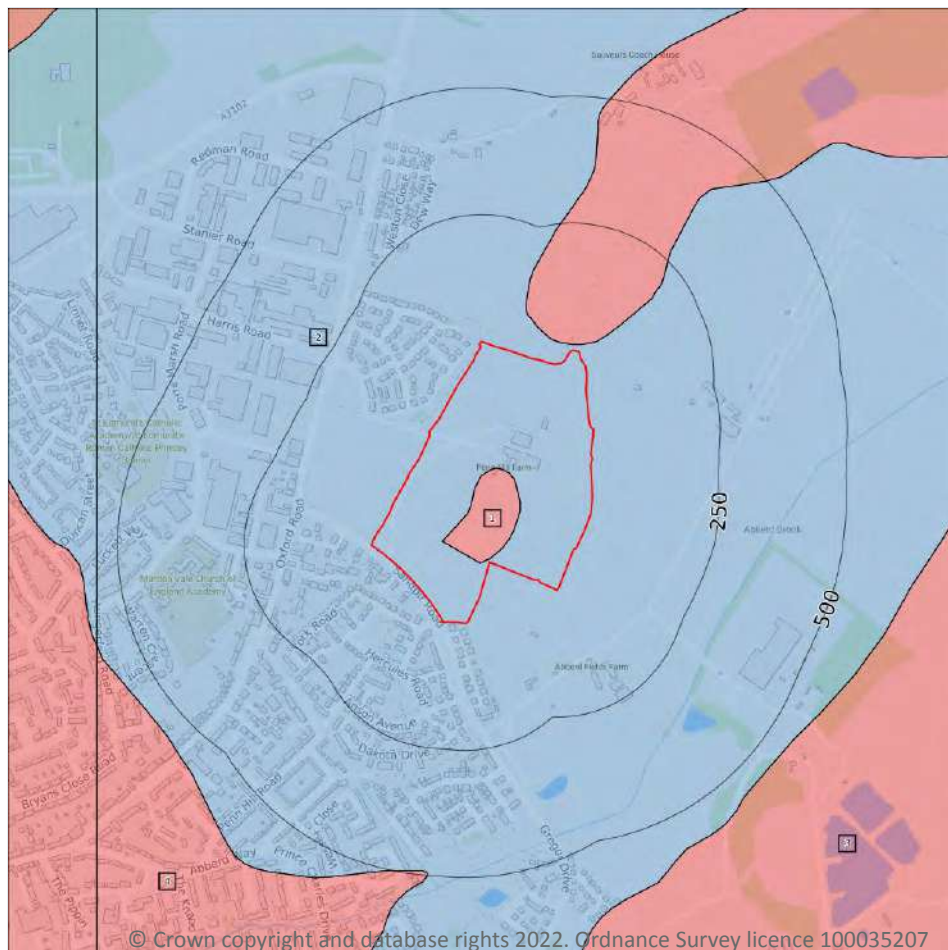
Features are displayed on the Hydrogeology map on **page 45**

ID	Location	Designation	Description
1	492m S	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

4

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 46**

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

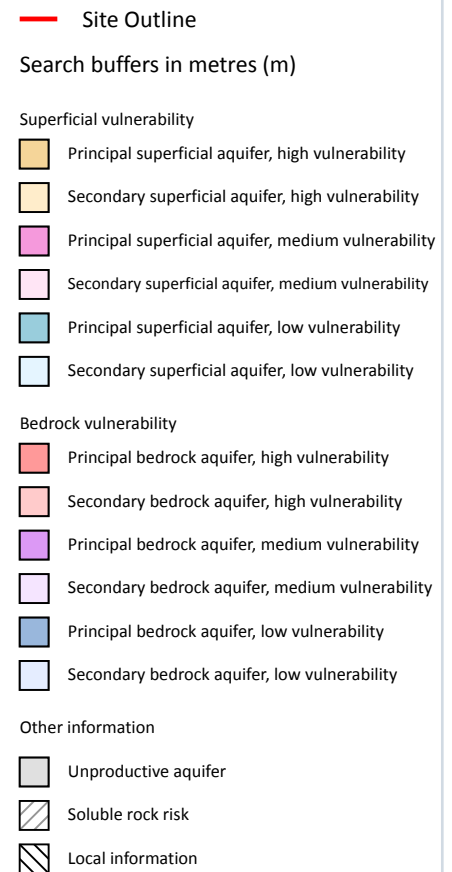
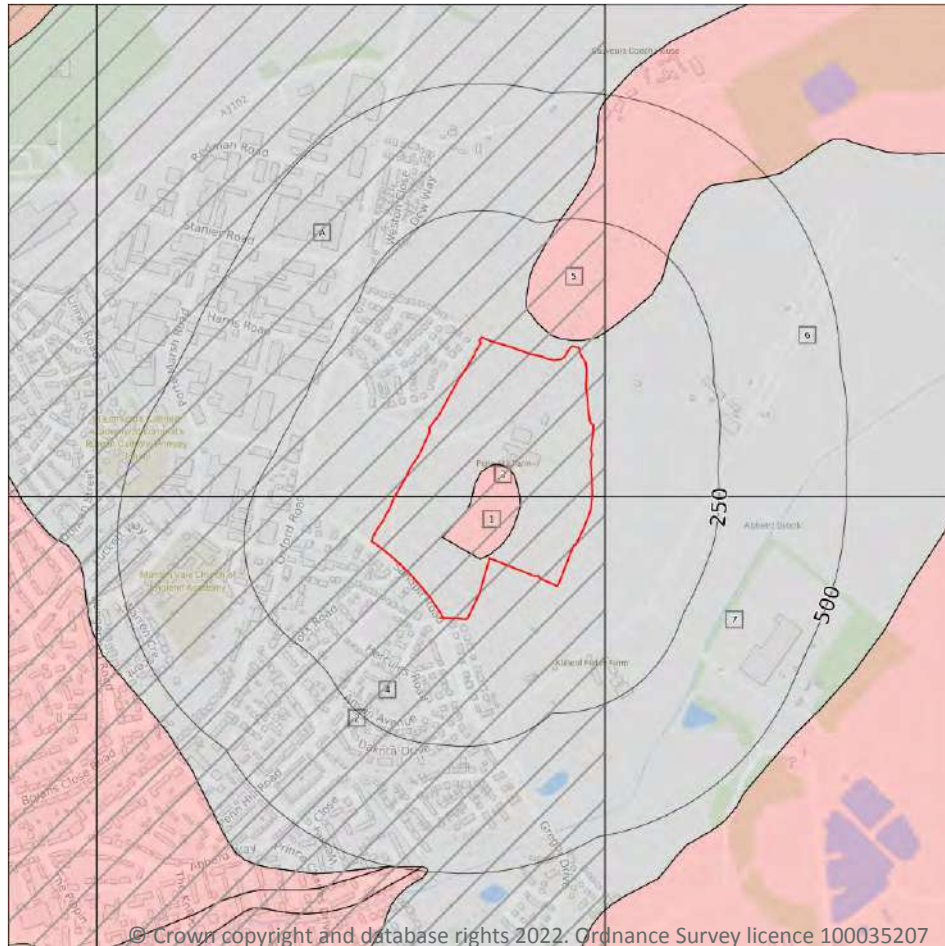


ID	Location	Designation	Description
3	11m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	492m S	Secondary 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.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

7

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 48**



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
4	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
A	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
5	11m N	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
6	22m E	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
7	25m E	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive 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	2
------------------------	----------

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
2	Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.	3.0%
A	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	0.0%

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

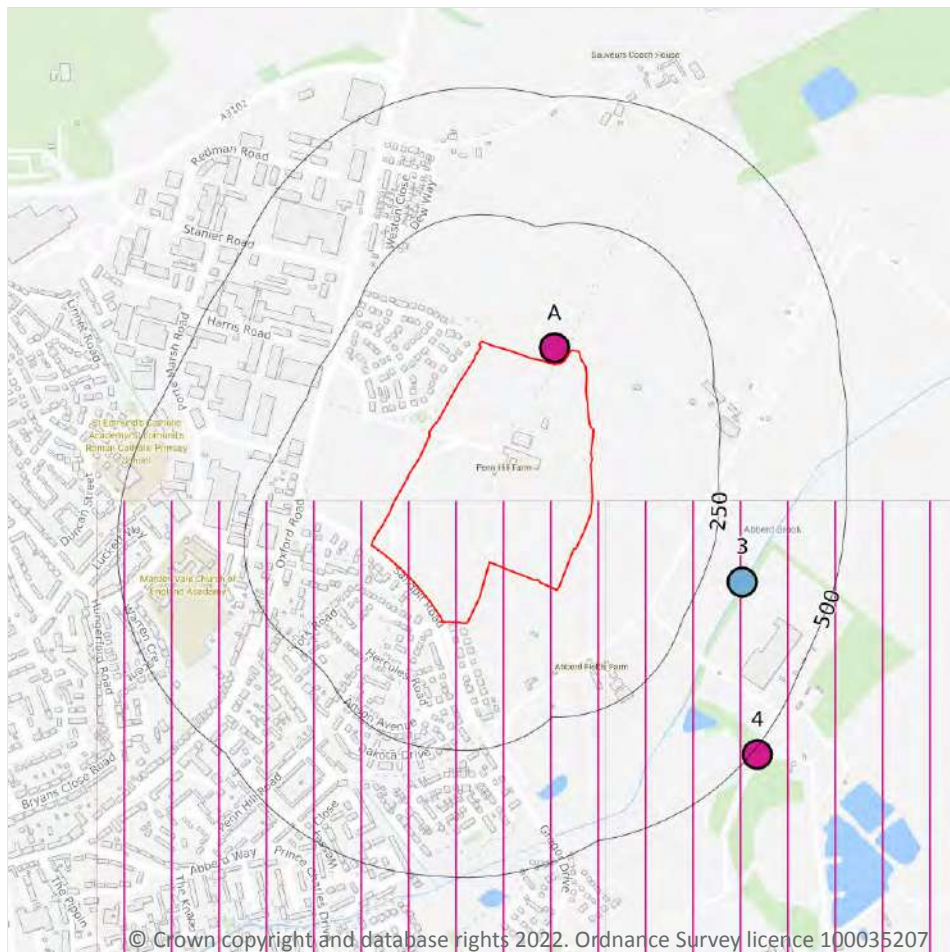
5.5 Groundwater vulnerability- local information

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

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

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

Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Point features
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

10

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 51**

ID	Location	Details	
1	On site	Status: Historical Licence No: 17/53/008/G/061 Details: Process Water Direct Source: Ground Water - Fresh Point: EXCAVATED PIT AND STORAGE LAGOON Data Type: Poly4 Name: Aggregate Industries UK Ltd Easting: 400000 Northing: 172000	Annual Volume (m³): 83950 Max Daily Volume (m³): 230 Original Application No: - Original Start Date: 14/06/1990 Expiry Date: - Issue No: 102 Version Start Date: 31/07/2013 Version End Date: -
2	25m E	Status: Historical Licence No: 17/53/008/G/061 Details: Process water Direct Source: Ground Water - Fresh Point: EXCAVATED PIT AND STORAGE LAGOON Data Type: Poly4 Name: Aggregate Industries UK Ltd Easting: 401000 Northing: 172000	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 14/06/1990 Expiry Date: - Issue No: 101 Version Start Date: 01/01/2000 Version End Date: -
A	30m NW	Status: Historical Licence No: 17/53/008/G/023 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "WELL, CALNE" Data Type: Point Name: Noad Easting: 400900 Northing: 172300	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/02/1966 Version End Date: -
A	30m NW	Status: Historical Licence No: 17/53/008/G/023 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: WELL, CALNE Data Type: Point Name: Noad Easting: 400900 Northing: 172300	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/02/1966 Version End Date: -
4	510m SE	Status: Historical Licence No: 17/53/008/G/025 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: WELL 2, CALNE Data Type: Point Name: Henly Bros Easting: 401300 Northing: 171500	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/02/1966 Version End Date: -



ID	Location	Details	
-	913m SE	Status: Historical Licence No: 17/53/008/G/025 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: WELL 1, CALNE Data Type: Point Name: Henly Bros Easting: 401300 Northing: 171000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/02/1966 Version End Date: -
-	1061m S	Status: Historical Licence No: 17/53/008/G/024 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "WELLS, CALNE" Data Type: Poly3 Name: Henly Bros Easting: 401100 Northing: 170500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/02/1966 Version End Date: -
-	1061m S	Status: Historical Licence No: 17/53/008/G/024 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: WELLS, CALNE Data Type: Poly3 Name: Henly Bros Easting: 401100 Northing: 170500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/02/1966 Version End Date: -
-	1477m E	Status: Historical Licence No: 17/53/008/G/043 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "FIVE WELLS, COMPTON BASSETT" Data Type: Point Name: Henly Bros Easting: 402400 Northing: 172600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/03/1966 Version End Date: -
-	1477m E	Status: Historical Licence No: 17/53/008/G/043 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: FIVE WELLS, COMPTON BASSETT Data Type: Point Name: Henly Bros Easting: 402400 Northing: 172600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/03/1966 Version End Date: -

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



5.7 Surface water abstractions

Records within 2000m

1

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 51**

ID	Location	Details	
3	326m E	Status: Historical Licence No: 17/53/008/S/062 Details: Process Water Direct Source: Surface Water - Fresh Point: ABBERD BROOK Data Type: Point Name: Aggregate Industries UK Ltd Easting: 401270 Northing: 171840	Annual Volume (m ³): 83950 Max Daily Volume (m ³): 230 Original Application No: - Original Start Date: 22/06/1990 Expiry Date: - Issue No: 102 Version Start Date: 31/07/2013 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

0

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.

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

5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

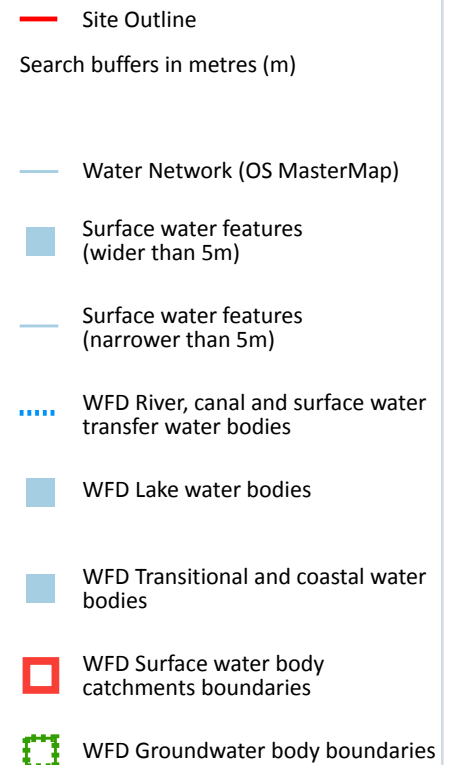
0

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.





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 56**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Abberd Bk - source to conf R Marden	GB109053027600	Avon Bristol Rural	Avon Bristol and Somerset Nort

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 56**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
4	317m E	River	Abberd Bk - source to conf R Marden	GB109053027600	Moderate	Fail	Moderate	2019

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



6.5 WFD Groundwater bodies

Records on site

0

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

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



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
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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



— Site Outline
Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

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 63**

This data is sourced from Ambiantal 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

0

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

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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



10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

4

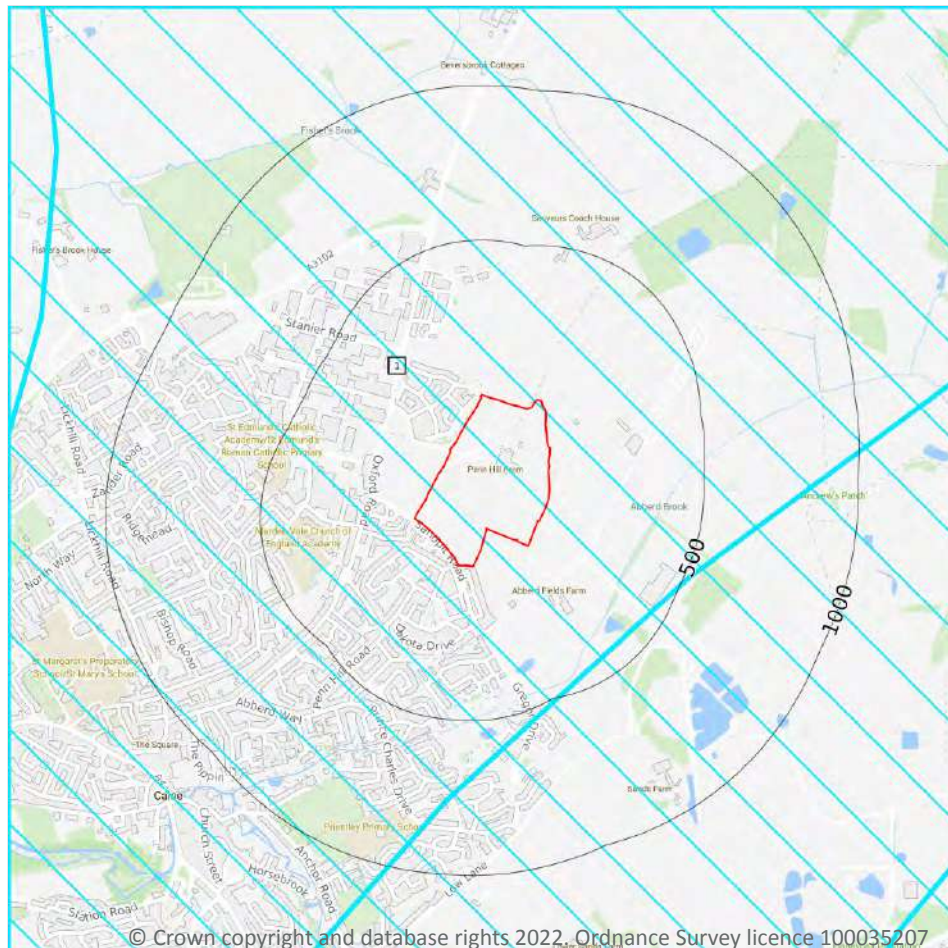
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Cowage Bk - conf unnamed trib to conf R Marden NVZ	Surface Water	571	Existing
760m SE	R Marden - source to conf Abberd Bk NVZ	Surface Water	562	Existing
882m SW	R Marden - conf Abberd Bk to conf unnamed trib NVZ	Surface Water	563	Existing
1810m SE	Berkshire Downs	Groundwater	87	Existing

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



SSSI Impact Zones and Units



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

10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 68**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.

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



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m**0**

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

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

11.3 National Parks

Records within 250m**0**

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

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

11.4 Listed Buildings

Records within 250m**1**

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

Features are displayed on the Visual and cultural designations map on **page 70**

ID	Location	Name	Grade	Reference Number	Listed date
1	184m W	Bricklayers Arms Public House, Calne, Wiltshire, SN11	II	1270923	08/07/1976

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



11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

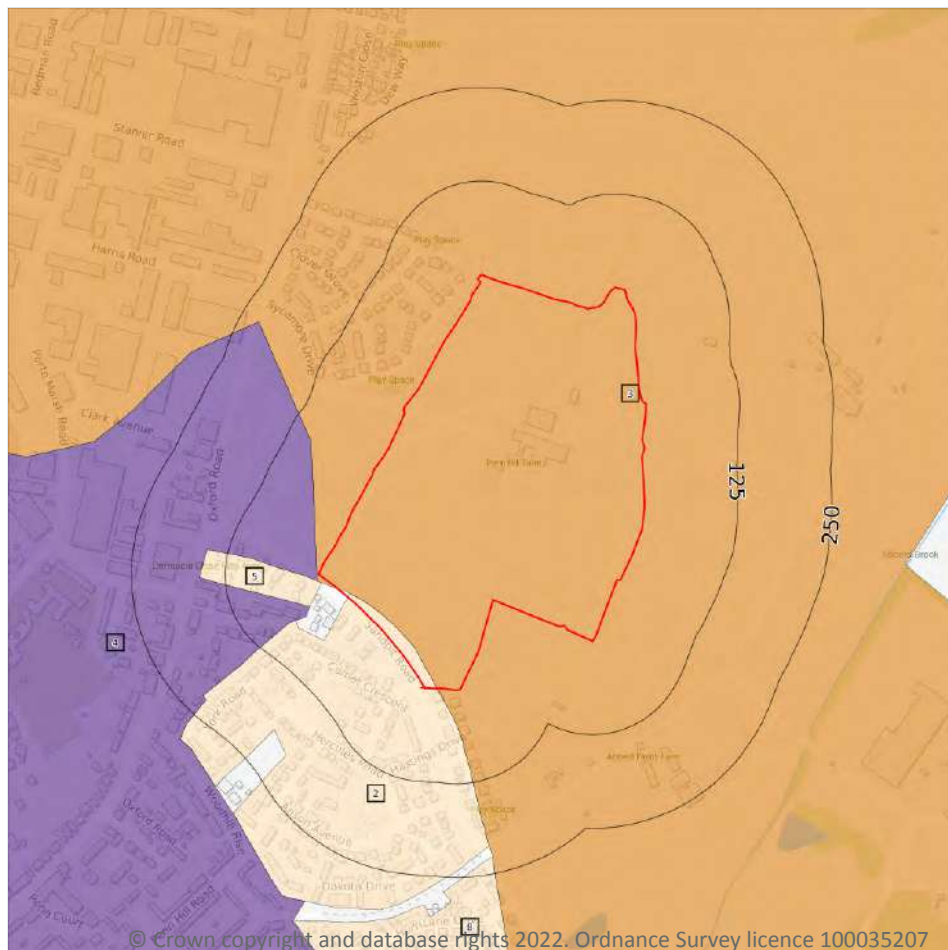
Records within 250m

0

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

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

12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

5

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
2	On site	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

ID	Location	Classification	Description
3	On site	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.
4	3m W	Urban	-
5	7m SW	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
8	227m S	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

5

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



Location	Reference	Scheme	Start Date	End date
On site	AG00716934	Entry Level plus Higher Level Stewardship	01/10/2010	30/09/2021
On site	AG00402562	Entry Level plus Higher Level Stewardship	01/04/2012	31/03/2022
On site	AG00402562	Entry Level plus Higher Level Stewardship	01/04/2012	31/03/2022
133m S	AG00402562	Entry Level plus Higher Level Stewardship	01/04/2012	31/03/2022
185m SE	AG00716934	Entry Level plus Higher Level Stewardship	01/10/2010	30/09/2021

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

1

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

Location	Reference	Scheme	Start Date	End Date
240m E	806249	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024

This data is sourced from Natural England.



13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m**0**

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m**0**

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m**0**

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

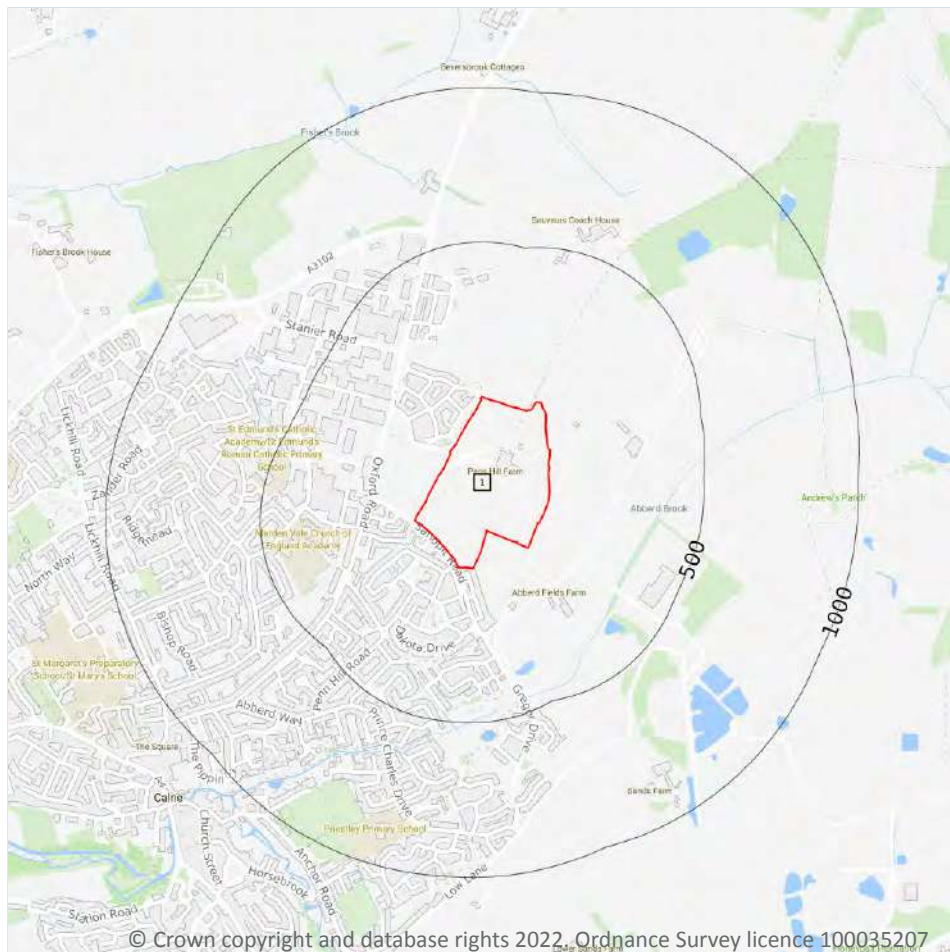
Records within 250m**0**

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

This data is sourced from Natural England.



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 77**

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

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

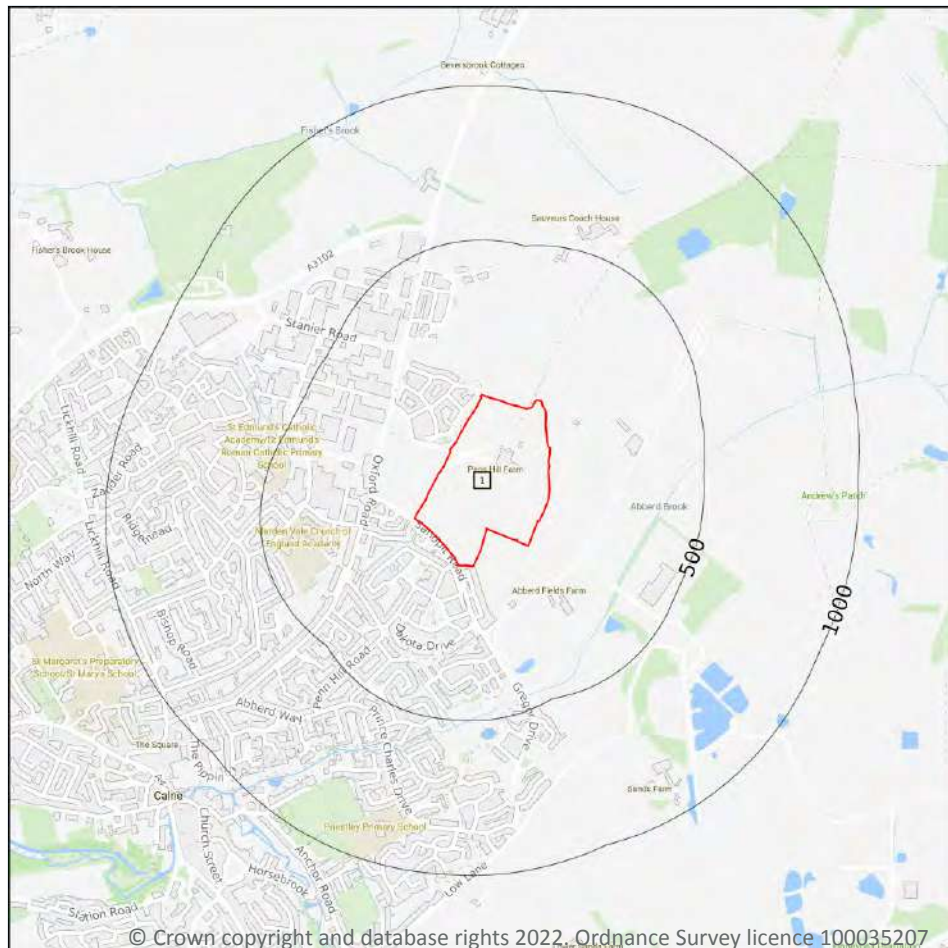
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

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

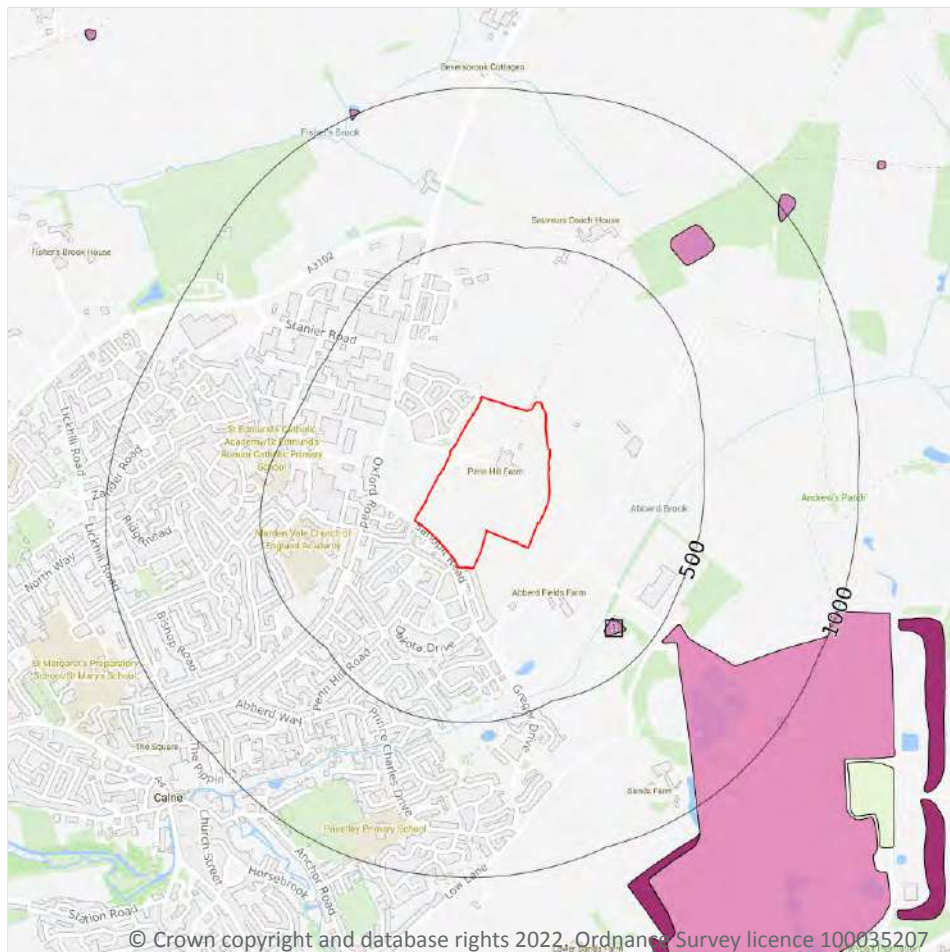
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 81**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW266_marlborough_v4

This data is sourced from the British Geological Survey.



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



- Site Outline
- Search buffers in metres (m)
- Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 82**

ID	Location	LEX Code	Description	Rock description
1	354m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

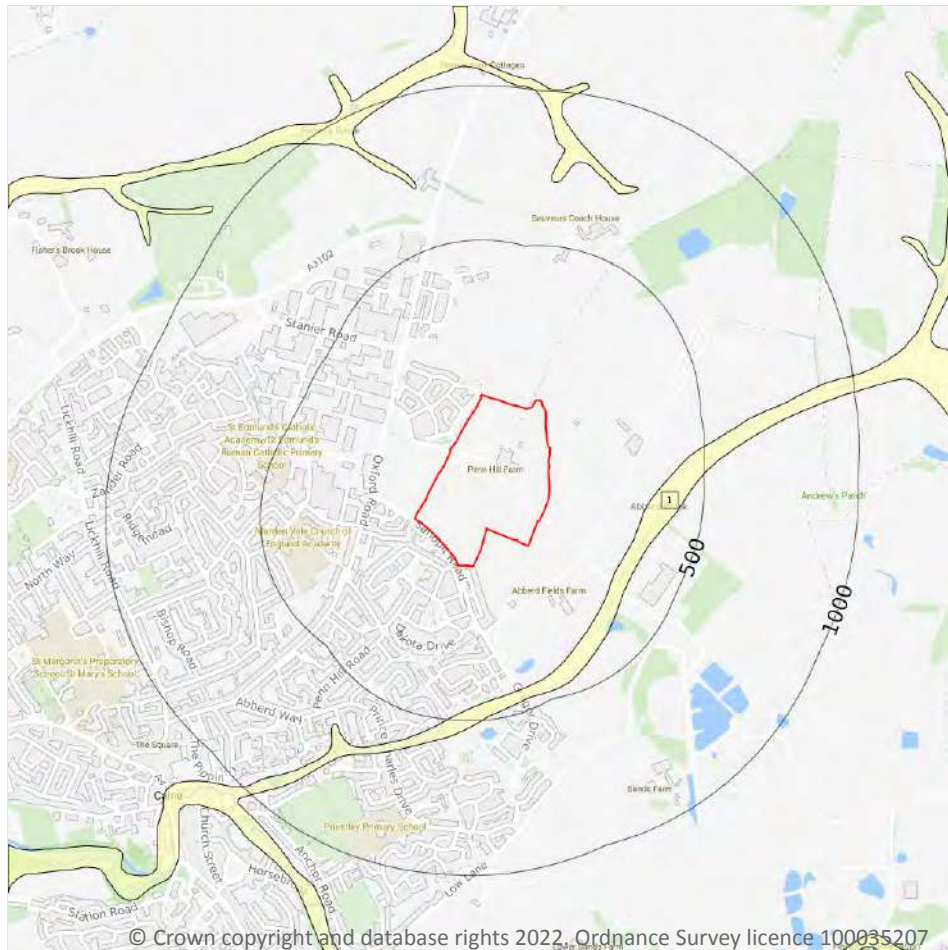
0

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

1

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 84**

ID	Location	LEX Code	Description	Rock description
1	292m E	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

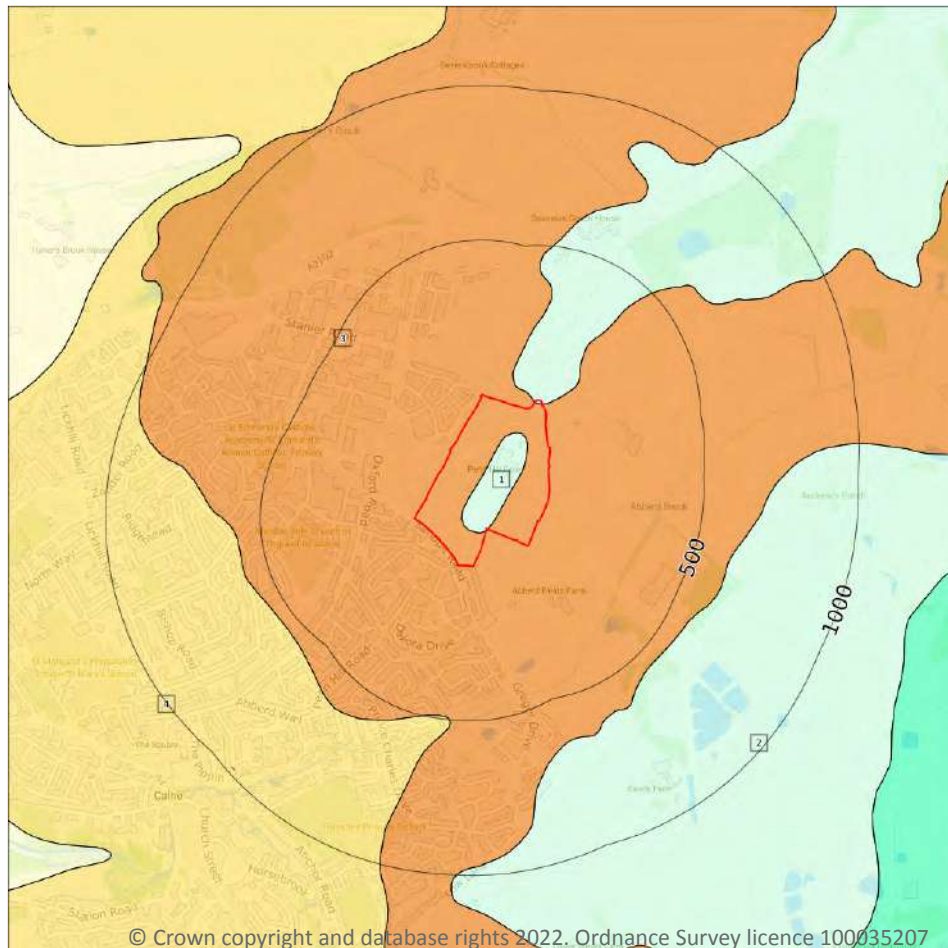
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

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 86**

ID	Location	LEX Code	Description	Rock age
1	On site	LGS-SDST	LOWER GREENSAND GROUP - SANDSTONE	APTIAN
2	On site	LGS-SDST	LOWER GREENSAND GROUP - SANDSTONE	APTIAN
3	On site	KC-MDST	KIMMERIDGE CLAY FORMATION - MUDSTONE	KIMMERIDGIAN
4	490m S	STFD-LMST	STANFORD FORMATION - LIMESTONE	OXFORDIAN



This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

3

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	High	High
On site	Fracture	Low	Very Low
On site	Mixed	High	High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



16 Boreholes

16.1 BGS Boreholes

Records within 250m

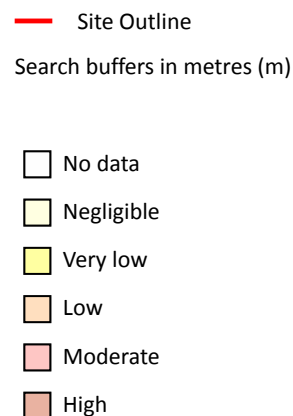
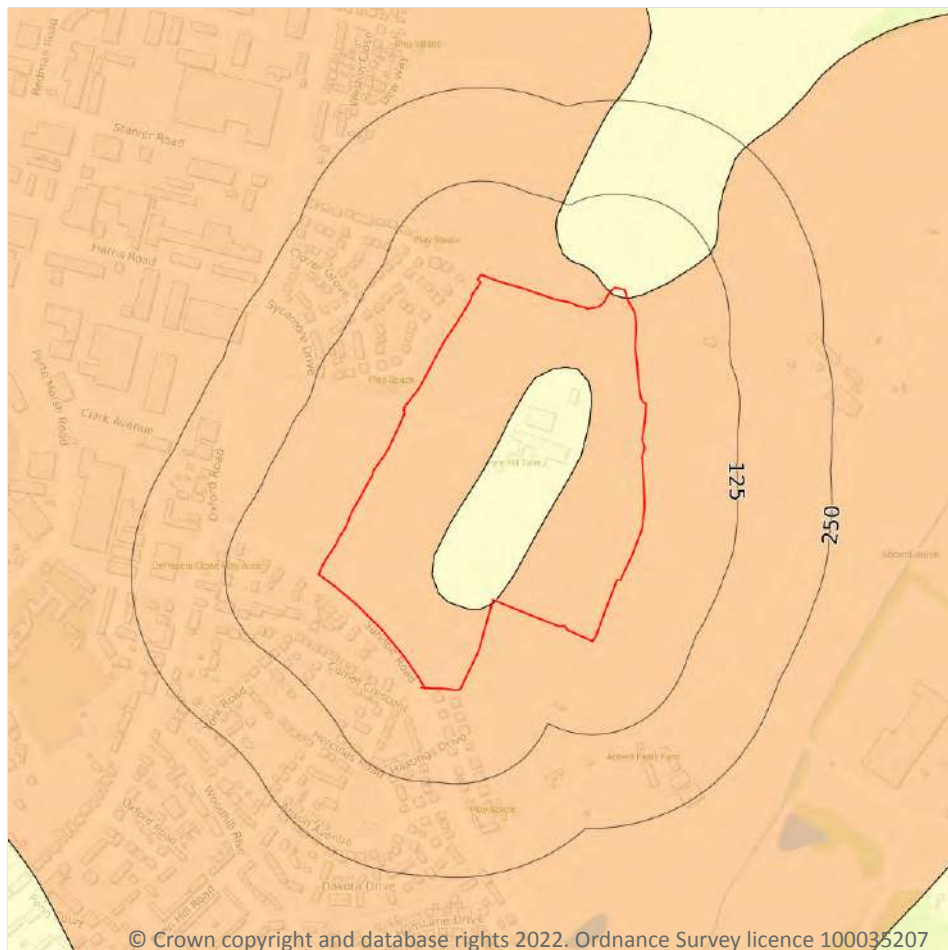
0

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.

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).

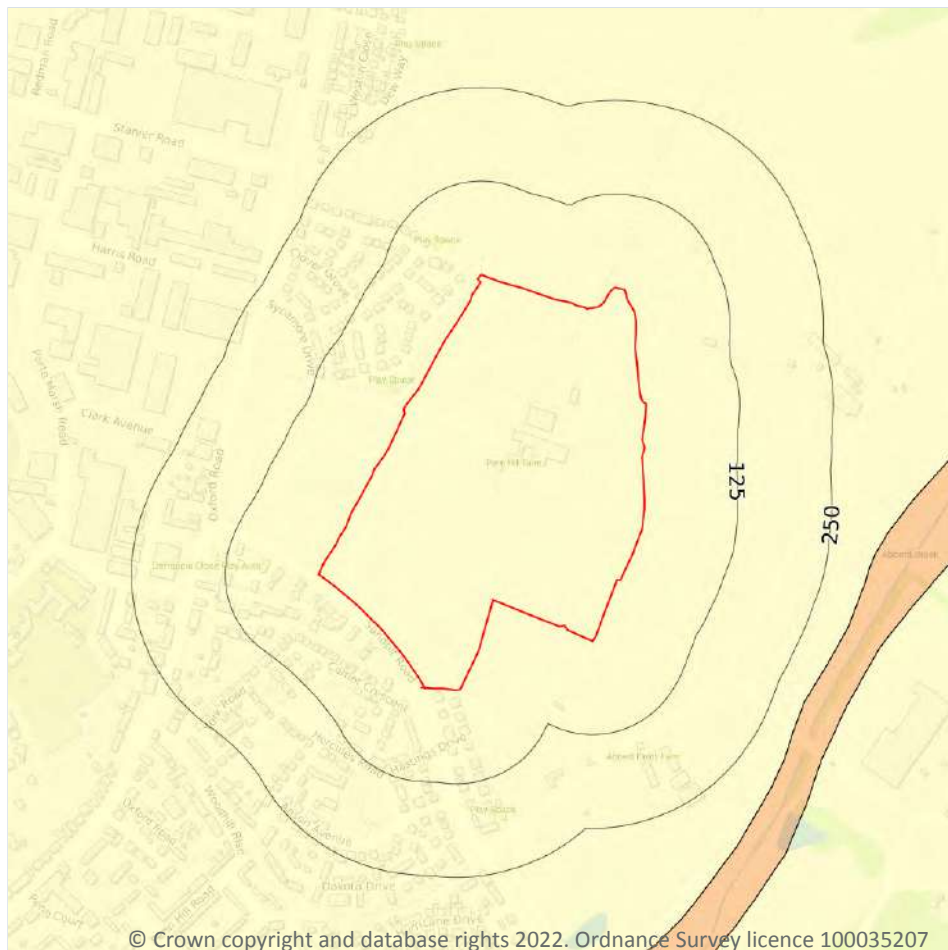
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 89**

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

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.

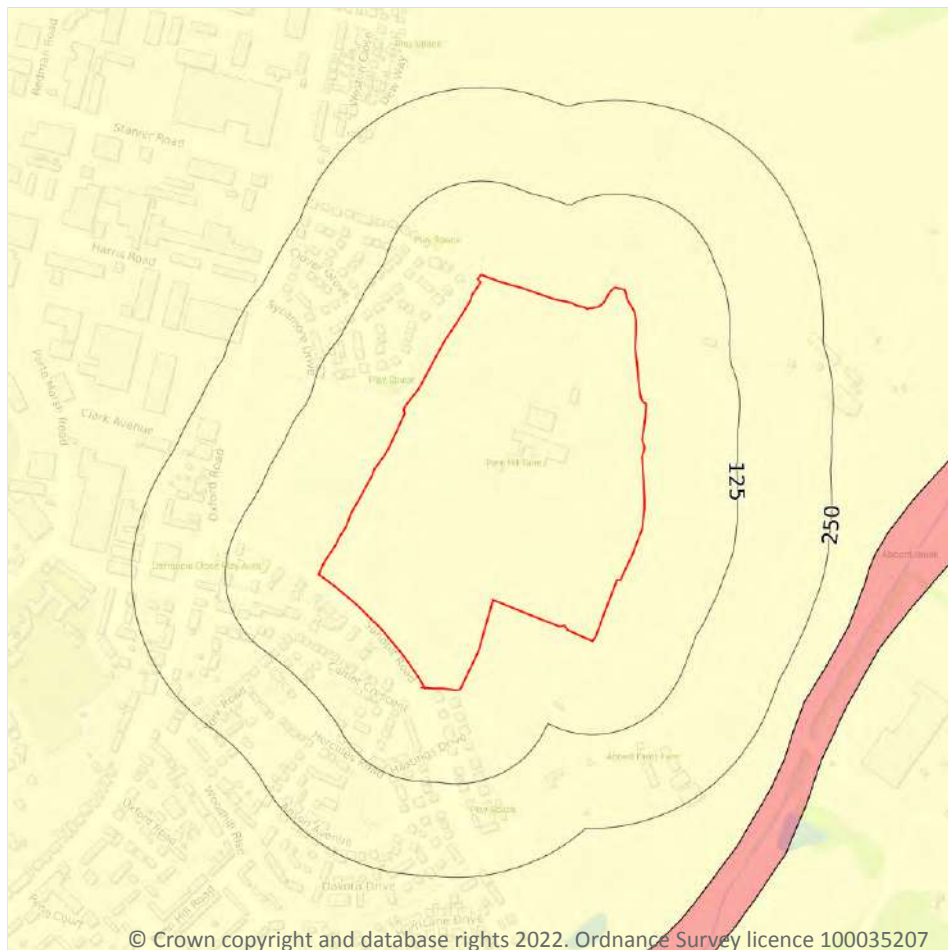
Features are displayed on the Natural ground subsidence - Running sands map on **page 90**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

1

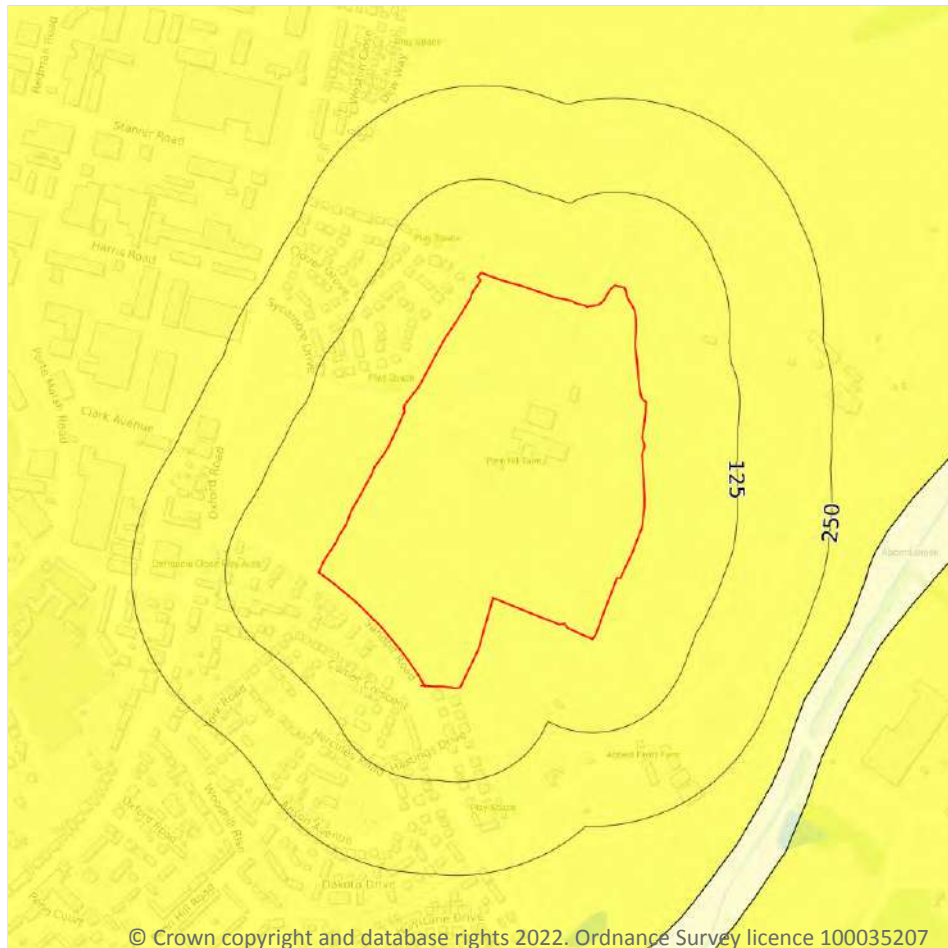
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 91**

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.

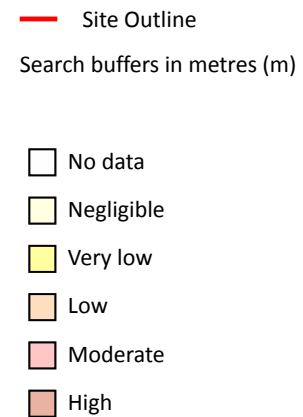
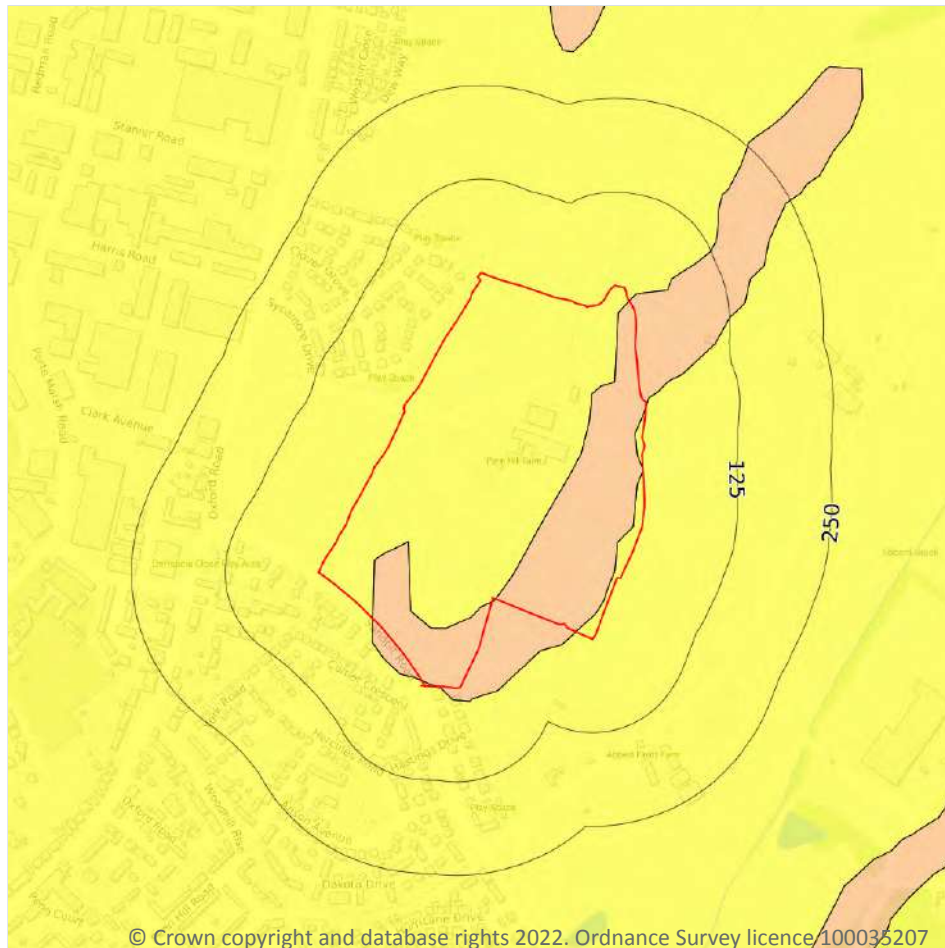
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 92**

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



17.5 Landslides

Records within 50m

2

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 93**

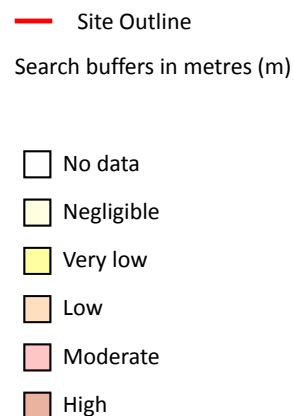
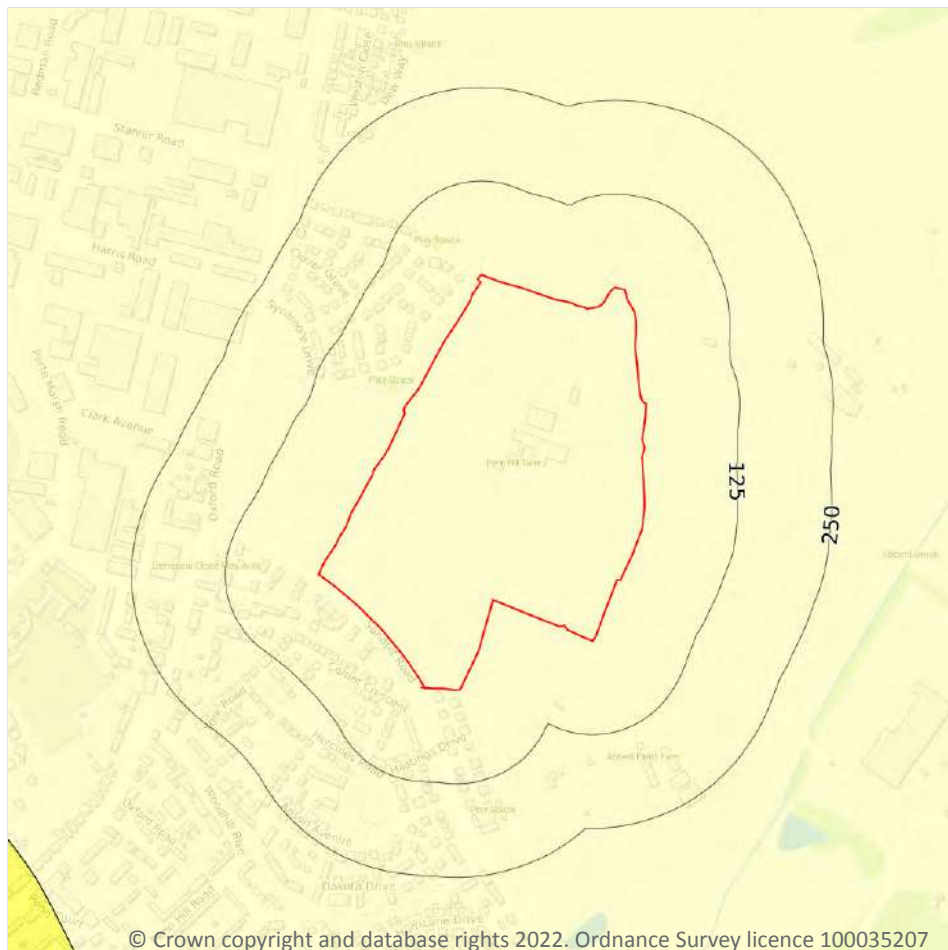
Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

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.

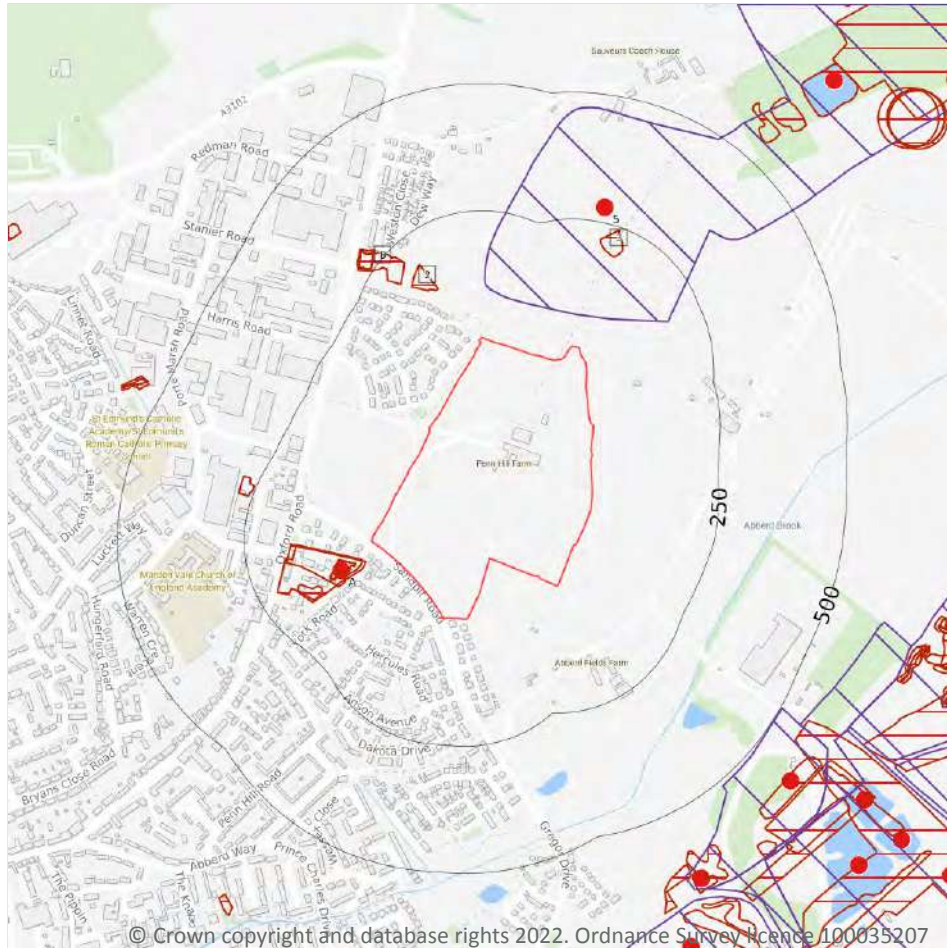
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 95**

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, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- 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 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.

18.2 BritPits

Records within 500m

2

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 97**

ID	Location	Details	Description
A	83m SW	Name: Calne Marsh Brick Works Address: Calne Marsh, CALNE, Wiltshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
5	281m N	Name: High Penn Address: CALNE, Wiltshire Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

9

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 97**

ID	Location	Land Use	Year of mapping	Mapping scale
A	39m SW	Brick Works	1885	1:10560
A	41m SW	Brick Works	1899	1:10560
A	55m SW	Pond	1938	1:10560
A	55m SW	Pond	1922	1:10560
A	55m SW	Pond	1899	1:10560
2	128m NW	Pond	1885	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
A	134m SW	Ponds	1899	1:10560
B	190m NW	Ponds	1885	1:10560
3	192m N	Pond	1956	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 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 data is sourced from Ordnance Survey/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, ground workings and natural cavities map on **page 97**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
1	63m N	High penn Pit	Sand	Surface mineral working	Valid	Not available

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

0

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

This data is sourced from the British Geological Survey.



18.7 Mining cavities

Records within 1000m	0
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Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site	0
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Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

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

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

This data is sourced from the Coal Authority.

18.10 Brine areas

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

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

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

18.11 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.



18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

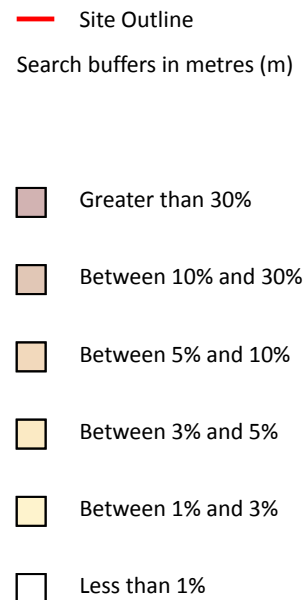
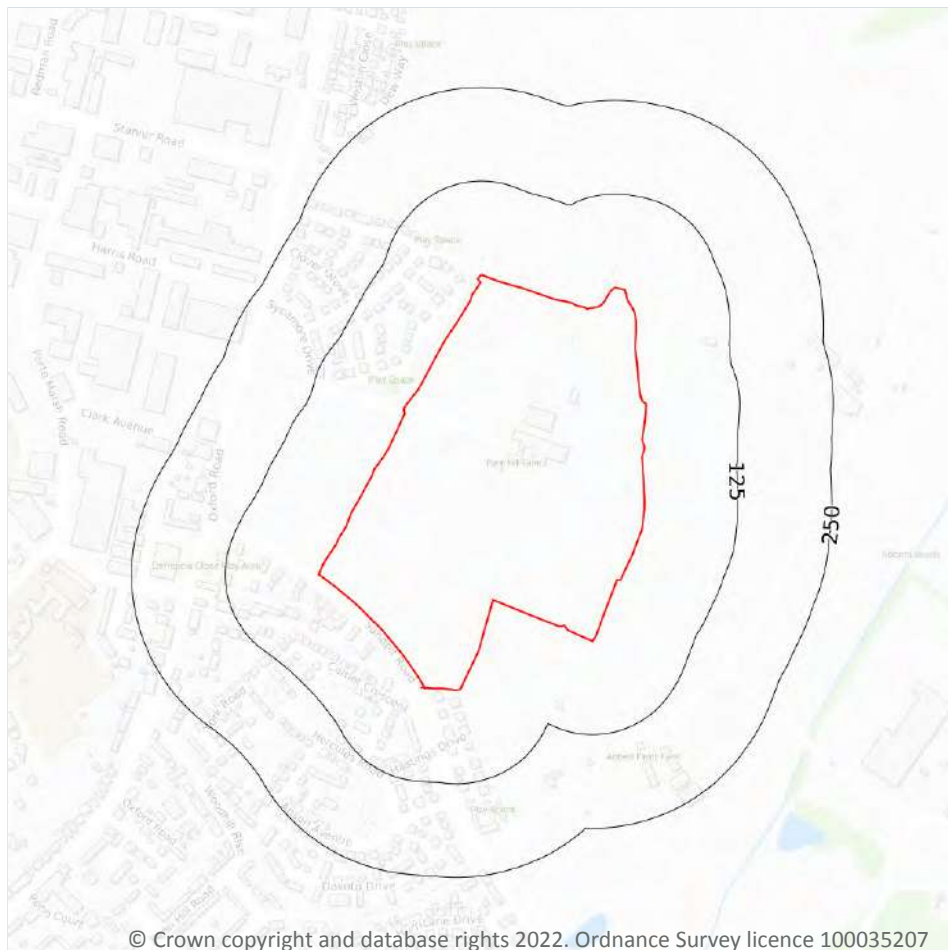
18.13 Clay mining

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

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

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

19 Radon



19.1 Radon

Records on site

1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

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 Public Health England.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

15

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	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
11m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
23m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
23m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
25m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
25m SE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
25m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
25m SE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
40m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects

21.1 Underground railways (London)

Records within 250m**0**

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m**0**

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

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m**0**

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m**0**

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

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m**0**

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



This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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: <https://www.groundsure.com/terms-and-conditions-jan-2020/>.



BGS Archive Records

SU07SW 223

METHOD SHELL AND AUGER		GROUND LEVEL 94.68m. A.O.D.		BOREHOLE NUMBER COMPTON BASSETT No. 10	
MACHINE		PERMANENT CASING LEVEL 95.09m. A.O.D.		N.G.R. SU 0161 7145	
LOGGED BY G.G.		TEMPORARY CASING USED TO BASE OF BOREHOLE 200 mm DIA. SCREW JOINTED		DATE OCTOBER 1983	
CONTRACTOR H.C.C.				START FINISH	

DEPTH (m)	CONSTRUCTION	DESCRIPTION OF STRATA	WATER OBSERVATIONS	SAMPLING	TESTING	LEVEL (m)
0		0.0 FIRM BROWN CRUMBLY SILTY SAND				94.67
1		0.6 FIRM MULTICOLOURED SANDY CLAYEY SILT				
2		0.9 SOFT DARK BROWN CLAYEY SILT				
3		2.3 DENSE BROWN MEDIUM GRAINED SAND WITH SMALL LUMPS OF SOFT GREY CLAY				
4		4.6 DENSE WHITE MEDIUM GRAINED SAND WITH SMALL LUMPS OF SOFT GREY CLAY				
5		6.5 DENSE WELL GRADED MEDIUM GRAINED WHITE SAND				88.17
6		7.0 DENSE WELL GRADED GREY SAND				
7		7.3 DENSE COARSE TO MEDIUM GRAINED WHITE SAND				
8		8.3 DENSE WELL GRADED DARK ORANGE MEDIUM GRAINED SAND	WATER LEVEL 17/11/83			86.37
9		10.4 STIFF DARK BLUEISH GREY CLAY, WITH SHELLS				84.27
10						

	MAINS WATER ADDED AS REQUIRED TO ADVANCE DRILLING
--	--

ASPINWALL & COMPANY	WILTSHIRE COUNTY COUNCIL 3.911 COMPTON BASSETT
--------------------------------	---

 Talisman House, 11 Talisman Square, KENILWORTH, CV8 1JB. e-mail: info@iges.co.uk Tel: 01926 851113 Fax: 01926 851394		Job No. 7453	Site : Phase 6, Calne, Wiltshire 400011 Client : Persimmon Homes (Wessex) Limited 172242 Engineer : Banners Gate Limited	TRIAL PIT LOG TP 18 Sheet 1 of 1		
Method JCB 3cx		Date 27/11/01 - 27/11/01		Ground Slope Flat	Logged By NH	Scale 1:25
Length 2.80	Breadth 0.70	Depth 3.20	Ground Level m. R.L. 79.30			
Depth m.	SOIL SAMPLES/TESTS Type Strength	Water Level	LL/PL %	M/C %	Ease of Dig	Depth m.
						Description of Strata
						Topsoil.
0.30	P 90					0.25
0.40	P 100					Stiff brown orange slightly gravelly CLAY. Gravel is subangular fine to medium limestone. KIMMERIDGE CLAY.
0.50	P 110					
0.60	DP 100					
0.70	P 110					
0.80	P 120					
0.90	P 130				E	
1.00	P 100					Below 1.0m: becoming grey.
1.20	P 100					
1.50	P 110					
1.70	P 110					
2.00	P 100				E	1.85
						Stiff mottled grey yellow fissured CLAY with fine sand partings and gypsum crystals. KIMMERIDGE CLAY.
						Below 2.6m: abundant shells.
					E	
						3.20
GROUNDWATER DETAILS : 1/ Water strike at 3.2m, slow seepage.						KEY EASE OF DIG : E = EASY DIGGING M = MODERATE DIGGING D = DIFFICULT DIGGING VH = VERY HARD DIGGING SAMPLES : B = BULK D = JAR W = WATER STRENGTH : V = HAND VANE SHEAR STRENGTH (kN/m ²) P = HAND PENETROMETER SHEAR STRENGTH GROUNDWATER : ∇ = ENTRY ▼ = STANDING LEVEL
STABILITY OF PIT WALLS : 1/ Pit walls remained vertical and stable.						
GENERAL REMARKS : 1/ Pit backfilled with arisings.						

Zetica UXB Risk Map

UNEXPLODED BOMB RISK MAP



SITE LOCATION

Location: SN11 8RR,
Map Centre: 400860,172076



LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.

- military**
- industry**
- UXO find**
- transport**
- dock**
- Luftwaffe targets**
- utilities**
- Bombing decoy**
- other**

How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment* is necessary.

What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

If I have any questions, who do I contact?

tel: +44 (0) 1993 886682

email: uxo@zetica.com

web: www.zeticauxo.com

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: (<https://zeticauxo.com/downloads-and-resources/risk-maps/>)

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

Appendix E Exploratory Hole Logs and Photographs

Exploratory Hole Logs

Method: Trial Pit	Date(s): 26/09/2022	Logged By: DG	Checked By: RP
Client: Castlewood Properties	Co-ords: 400660.75, 172068.48	Stability: Stable.	Dimensions: 3.00m
Hydrock Project No: 24863	Ground Level: 93.46m OD	Plant: JCB 3CX	0.60m 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over dark brown silty fine to coarse SAND with frequent rootlets. (TOPSOIL)	0.20	(0.20)	93.26	
				Brown mottled reddish brown slightly clayey slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)	0.50	(0.30)	92.96	
0.80 - 1.10	B			Light grey mottled orangish brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)	1.30	(0.80)	92.16	
1.80	D			Firm grey to blueish grey mottled brown CLAY with occasional selenite crystals up to 3mm and frequent shell fragments. (KIMMERIDGE CLAY FORMATION)	2.00	(0.70)	91.46	
Base of Excavation at 2.00m					2.00			
					3			
					4			
					5			

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 2.00m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Soakaway test conducted at the base of the pit. 6. Soakaway remained stable during soakaway testing. 7. Trial pit backfilled with arisings on completion.

Method: Trial Pit	Date(s): 26/09/2022	Logged By: DG	Checked By: RP
Client: Castlewood Properties	Co-ords: 400598.61, 171946.95	Stability: Stable.	Dimensions: 3.00m
Hydrock Project No: 24863	Ground Level: 92.40m OD	Plant: JCB 3CX	0.60m 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over dark brown silty fine to coarse SAND with frequent rootlets. (TOPSOIL)	0.20	(0.20)	92.20	
				Brown mottled reddish brown slightly silty slightly clayey fine to coarse SAND. (LOWER GREENSAND GROUP)	0.50	(0.30)	91.90	
				Stiff dessicated brownish grey locally slightly sandy CLAY. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)	0.80	(0.30)	91.60	
				Firm grey mottled orangish brown slightly sandy CLAY with frequent selenite crystals up to 4mm and occasional shell fragments. (KIMMERIDGE CLAY FORMATION)	1.00	(1.10)		
					1.90		90.50	
				Base of Excavation at 1.90m	2.00			
					3.00			
					4.00			
					5.00			

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 1.90m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Soakaway test conducted at the base of the pit. 6. Soakaway remained stable during soakaway testing. 7. Trial pit backfilled with arisings on completion.

Method: Trial Pit	Date(s): 27/09/2022	Logged By: DG	Checked By: RP
Client: Castlewood Properties	Co-ords: 400961.96, 172026.94	Stability: Stable.	Dimensions: 3.00m
Hydrock Project No: 24863	Ground Level: 88.79m OD	Plant: JCB 3CX	0.60m 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over brown slightly silty sandy CLAY with abundant rootlets. Sand is fine to coarse. (TOPSOIL) ... 0.20 - 0.50m bgl: White cobbles of calcareous sandstone within the sidewall.	0.30	(0.30)	88.49	
				Stiff dessicated greyish brown mottled orangish brown CLAY. (KIMMERIDGE CLAY FORMATION)	0.90	(0.60)	87.89	
				Firm dark grey mottled brown and locally orangish brown CLAY with occasional shell fragments. (KIMMERIDGE CLAY FORMATION)	1	(1.00)		
				Base of Excavation at 1.90m	1.90		86.89	
					2			
					3			
					4			
					5			

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 1.90m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Soakaway test conducted at the base of the pit. 6. Soakaway remained stable during soakaway testing. 7. Trial pit backfilled with arisings on completion.

Method: Trial Pit	Date(s): 27/09/2022	Logged By: DG	Checked By: RP
Client: Castlewood Properties	Co-ords: 400904.65, 171876.76	Stability: Stable.	Dimensions: 3.00m
Hydrock Project No: 24863	Ground Level: 87.12m OD	Plant: JCB 3CX	0.60m 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over brown slightly silty sandy CLAY with abundant rootlets. Sand is fine to coarse. (TOPSOIL)	0.25	(0.25)	86.87	
				Stiff dessicated brown slightly sandy CLAY. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)	0.45	(0.20)	86.67	
				Firm grey mottled brown CLAY. (KIMMERIDGE CLAY FORMATION)	1.00	(0.55)	86.12	
				Firm dark grey mottled brown and locally orangish brown CLAY with occasional shell fragments. (KIMMERIDGE CLAY FORMATION)	1.90	(0.90)	85.22	
Base of Excavation at 1.90m					2			
					3			
					4			
					5			

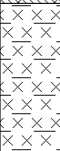
General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 1.90m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Soakaway test conducted at the base of the pit. 6. Soakaway remained stable during soakaway testing. 7. Trial pit backfilled with arisings on completion.

HoleBASE SI - Hydrock Trialhole Template v3

HoleBASE SI - Hydrock Trialhole Template v3

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.50m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. Minor groundwater ingress at 3.50m bgl. 5. Trial pit backfilled with arisings on completion.

Logged in general accordance with BS5930:2015

			Project: Penn Hill, Calne			Trialpit No TP05		
						Page No. 1 of 1		
Method: Trial Pit			Date(s): 20/09/2022		Logged By: DG		Checked By: RP	
Client: Castlewood Properties			Co-ords: 400737.29, 171941.54		Stability: Stable.		Dimensions:	
Hydrock Project No: 24863			Ground Level: 104.46m OD		Plant: JCB 3CX		Scale:	
					0.60m		1:25	
Samples / Tests			Water- Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over brown slightly silty fine to coarse SAND with frequent rootlets. (TOPSOIL)		(0.30)		
0.40 - 0.80	B			Greyish brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)	0.30	(0.50)	104.16	
0.90	D			Stiff dark grey mottled orangish brown and locally reddish brown CLAY. (KIMMERIDGE CLAY FORMATION)	0.80	(0.30)	103.66	
1.50	HSV	110kPa		High strength firm to stiff grey to blueish grey mottled orangish brown CLAY with occasional selenite crystals up to 2mm and rare relict rootlets. (KIMMERIDGE CLAY FORMATION)	1	(0.30)	103.36	
2.10 2.10	D HSV	149kPa		High strength stiff dark grey mottled brown CLAY with abundant shell fragments and rare selenite crystals up to 2mm. (KIMMERIDGE CLAY FORMATION)	1.90	(0.80)	102.56	
2.80 2.80	D HSV	161kPa		Very high strength stiff locally thinly laminated dark grey mottled greyish brown CLAY with abundant shell fragments and occasional selenite crystals up to 3mm. (KIMMERIDGE CLAY FORMATION) ... 2.80m bgl: Strata wet.	2	(0.80)	101.76	
3.60	D			Base of Excavation at 3.60m	2.70	(0.90)	100.86	
General Remarks: 1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.60m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.								



Project: Penn Hill, Calne

Trialpit No
TP06

Page No. 1 of 1

Method: Trial Pit

Date(s): 21/09/2022

Logged By: DG

Checked By: RP

Client: Castlewood Properties

Co-ords: 400807.94, 171968.74

Stability: Stable.

Dimensions: 3.00m

Scale: 1:25

Hydrock Project No: 24863

Ground Level: 101.69m OD

Plant: JCB 3CX

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.15	ES			Grass over dark brown silty fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.20	(0.20)	101.49	
				Stiff dessicated brown mottled brownish grey slightly sandy CLAY. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)	0.50	(0.30)	101.19	
0.60 0.60	ES HSV	233kPa		Very high strength very stiff assumed to be desiccated light grey to grey mottled brown and locally yellowish brown CLAY with occasional selenite crystals up to 2mm, rare shell fragments and occasional relict rootlets. (KIMMERIDGE CLAY FORMATION) ... 0.52m - 0.54m bgl: Yellowish brown fine to coarse SAND.	1	(1.00)		
0.90	HSV	233kPa						
				Medium strength soft to firm grey mottled brown CLAY with abundant selenite crystals up to 6mm and frequent shell fragments. (KIMMERIDGE CLAY FORMATION) ... 1.90m - 1.93m bgl: Yellowish brown fine to coarse SAND.	1.50	(0.90)	100.19	
1.90	HSV	69kPa						
				High strength firm dark grey mottled brown CLAY with frequent selenite crystals up to 4mm and abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	2.40	(0.60)	99.29	
2.50	HSV	89kPa						
3.00	HSV	113kPa		High strength firm to stiff dark grey locally mottled brown CLAY with abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	3.00	(0.70)	98.69	
3.70	HSV	114kPa		Base of Excavation at 3.70m	3.70		97.99	
					4			
					5			

General Remarks:

1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.70m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. Minor groundwater ingress at 1.60m bgl. 5. Trial pit backfilled with arisings on completion.

HoleBASE SI - Hydrock Trialhole Template v3

Logged in general accordance with BS5930:2015

Method: Trial Pit

Date(s): 21/09/2022

Logged By: DG

Checked By: RP

Client: Castlewood Properties

Co-ords: 400845.51, 171903.57

Stability: Stable.

Dimensions: Scale:

Hydrock Project No: 24863

Ground Level: 95.51m OD

Plant: JCB 3CX

0.60m 3.00m 1:25

Samples / Tests			Water- Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over dark brown slightly silty fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.25	(0.25)	95.26	
				Brown slightly clayey fine to coarse SAND. (LOWER GREENSAND GROUP)	0.70	(0.45)	94.81	
				Yellowish brown slightly clayey slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)	1.10	(0.40)	94.41	
1.30	HSV	124kPa		High strength firm to stiff light grey mottled brown CLAY. (KIMMERIDGE CLAY FORMATION)	1.70	(0.60)	93.81	
1.90	HSV	117kPa		High strength firm to stiff grey mottled brown CLAY with abundant selenite crystals up to 5mm and rare shell fragments. (KIMMERIDGE CLAY FORMATION)	2.30	(0.60)	93.21	
2.70	HSV	83kPa		High strength firm grey mottled greyish brown CLAY with occasional selenite crystals up to 2mm and abundant shell fragments. (KIMMERIDGE CLAY FORMATION) ... From 2.40m bgl: Strata slightly damp.	3.40	(1.10)	92.11	
3.70	HSV	209kPa		Very high strength very stiff dark grey CLAY with rare selenite crystals up to 2mm and abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	3.70	(0.30)	91.81	
				Base of Excavation at 3.70m				
					4			
					5			

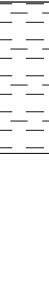
General Remarks:

1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.70m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. Minor groundwater ingress at 3.00m bgl. 5. Trial pit backfilled with arisings on completion.

Logged in general accordance with BS5930:2015

HoleBASE SI - Hydrock Trialhole Template v3

HoleBASE SI - Hydrock Trialhole Template v3

			Project: Penn Hill, Calne			Trialpit No TP11 Page No. 1 of 1		
Method: Trial Pit			Date(s): 21/09/2022		Logged By: DG		Checked By: RP	
Client: Castlewood Properties			Co-ords: 400791.05, 172011.72		Stability: Stable.		Dimensions: 3.00m	
Hydrock Project No: 24863			Ground Level: 103.74m OD		Plant: JCB 3CX		Scale: 1:25	
Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Grass over dark brown silty fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.15	(0.15)	103.59	
0.40 - 0.70	B			Brownish grey mottled orangish brown and reddish brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)		(0.55)		
1.20 1.20	D HSV	93kPa		High strength firm grey mottled orangish brown and locally reddish brown CLAY. (KIMMERIDGE CLAY FORMATION)	0.70		103.04	
1.70 1.70	D HSV	108kPa		High strength firm to stiff dark grey mottled brown CLAY with abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	1.55	(0.85)	102.19	
2.40 2.40	D HSV	103kPa				(1.45)		
3.20 3.20	D HSV	164kPa		Very high strength stiff locally thinly laminated dark grey mottled brown CLAY with frequent selenite crystals up to 4mm and abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	3.00	(0.50)	100.74	
Base of Excavation at 3.50m					3.50		100.24	
					4			
					5			

General Remarks:
 1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.50m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. Minor groundwater ingress at 2.30m bgl. 5. Trial pit backfilled with arisings on completion.

Logged in general accordance with BS5930:2015

Method: Trial Pit	Date(s): 21/09/2022	Logged By: DG	Checked By: RP
Client: Castlewood Properties	Co-ords: 400740.83, 171896.87	Stability: Stable.	Dimensions: 3.00m
Hydrock Project No: 24863	Ground Level: 105.62m OD	Plant: JCB 3CX	0.60m 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	D			Grass over dark brown silty fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.25	(0.25)	105.37	
0.40 - 0.70	B			Yellowish brown slightly clayey fine to coarse SAND. (LOWER GREENSAND GROUP)	0.90	(0.65)	104.72	
1.40 - 2.00	B			Light grey to grey mottled orangish brown and locally reddish brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)	2.40	(1.50)	103.22	
2.50 - 2.80	B			Stiff very dark grey locally mottled brown CLAY. (KIMMERIDGE CLAY FORMATION)	2.80	(0.40)	102.82	
Base of Excavation at 2.80m					3			
					4			
					5			

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 2.80m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.40m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.



Project: Penn Hill, Calne

Trialpit No

TP15

Page No. 1 of 1

Method: Trial Pit

Date(s): 23/09/2022

Logged By: DG

Checked By: RP

Client: Castlewood Properties

Co-ords: 400647.20, 171878.09

Stability: Stable.

Dimensions:

3.00m

0.60m

Scale:

1:25

Hydrock Project No: 24863

Ground Level: 99.02m OD

Plant: JCB 3CX

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES	40kPa		Grass over stiff dessicated dark brown CLAY with abundant rootlets. (TOPSOIL)	0.10	(0.10)	98.92	
				Stiff dessicated brownish grey mottled brown CLAY with abundant selenite crystals up to 2mm. (KIMMERIDGE CLAY FORMATION)		(0.50)		
0.55	ES				0.60		98.42	
1.00 - 1.30	B				1	(0.95)		
1.30	HSV							
				... 1.20m bgl: Becoming strong organic odour.				
				Base of Excavation at 1.55m	1.55		97.47	
					2			
					3			
					4			
					5			

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 1.55m bgl due to encountering significant groundwater. 3. No olfactory or visual evidence of contamination recorded. 4. Significant groundwater encountered at 1.55m bgl. 5. Trial pit backfilled with arisings on completion.

HoleBASE SI - Hydrock Trialhole Template v3

			Project: Penn Hill, Calne			Trialpit No TP17 Page No. 1 of 1		
Method: Trial Pit			Date(s): 23/09/2022		Logged By: DG		Checked By: RP	
Client: Castlewood Properties			Co-ords: 400706.30, 171977.38		Stability: Stable.		Dimensions: 3.00m	
Hydrock Project No: 24863			Ground Level: 101.80m OD		Plant: JCB 3CX		Scale: 0.60m 1:25	
Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Grass over dark brown silty fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.15	(0.15)	101.65	
				Brown mottled orangish brown clayey sandy SILT. Sand is fine to coarse. (LOWER GREENSAND GROUP)	0.45	(0.30)	101.35	
0.50	D			Stiff greyish brown mottled brown CLAY. (KIMMERIDGE CLAY FORMATION)	0.70	(0.25)	101.10	
1.20	D			High strength firm to stiff grey mottled brown and orangish brown CLAY with occasional selenite crystals up to 2mm and occasional shell fragments. (KIMMERIDGE CLAY FORMATION)	1	(1.10)		
1.20	HSV	114kPa						
2.00	D			High strength firm grey to dark grey mottled brown CLAY with locally frequent selenite crystals up to 4mm and frequent shell fragments. (KIMMERIDGE CLAY FORMATION) ... From 1.90m bgl: Strata damp.	2	(0.80)	100.00	
2.00	HSV	78kPa	▼					
2.90	D			High strength firm to stiff dark grey mottled brown CLAY with abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	2.60	(0.80)	99.20	
2.90	HSV	119kPa	▼					
3.50	D			Very high strength stiff dark grey locally mottled brown CLAY with abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	3.40	(0.20)	98.40	
3.50	HSV	153kPa	▼	Base of Excavation at 3.60m	3.60		98.20	
					4			
					5			

General Remarks:
 1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.60m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. Minor groundwater ingress at 2.10m, 2.80m and 3.60m bgl. 5. Trial pit backfilled with arisings on completion.

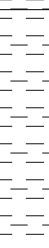
			Project: Penn Hill, Calne			Trialpit No TP18 Page No. 1 of 1			
Method: Trial Pit			Date(s): 23/09/2022		Logged By: DG		Checked By: RP		
Client: Castlewood Properties			Co-ords: 400672.14, 172019.68		Stability: Stable.		Dimensions:		Scale:
Hydrock Project No: 24863			Ground Level: 97.48m OD		Plant: JCB 3CX		0.60m 3.00m		1:25
Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	
Depth (m)	Type	Results							
0.20	ES			Grass over dark brown silty fine to coarse SAND with frequent rootlets. (TOPSOIL)	0.25	(0.25)	97.23		
0.50 - 0.80	B			Brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)	1	1.20	(0.95)	96.28	
0.60	ES								
1.50	D	102kPa		High strength firm grey mottled orangish brown CLAY with abundant selenite crystals up to 5mm. (KIMMERIDGE CLAY FORMATION) ... From 1.30m bgl: Strata damp.	1.70	(0.50)	95.78		
1.50	HSV								
1.90	HSV	62kPa		Medium strength soft to firm grey mottled brown CLAY with frequent selenite crystals up to 3mm and occasional shell fragments. (KIMMERIDGE CLAY FORMATION)	2.30	(0.60)	95.18		
2.10	D								
2.60	HSV	160kPa		Very high strength stiff dark grey locally mottled orangish brown CLAY with abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	2.90	(0.60)	94.58		
2.70	D								
3.00 - 3.10	B	Potentially moderately weak MUDSTONE recovered as clayey gravel and cobbles of mudstone with abundant shell fragments and localised calcite crystallisation. (KIMMERIDGE CLAY FORMATION)	3	(0.20)	94.38				
				Base of Excavation at 3.10m					
				4					
				5					
General Remarks: 1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.10m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.									
HoleBASE SI - Hydrock Trialhole Template v3									

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.40m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. Moderate groundwater ingress at 3.20m bgl. 5. Trial pit backfilled with arisings on completion.

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.70m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. Minor groundwater ingress at 2.90m bgl. 5. Trial pit backfilled with arisings on completion.

Logged in general accordance with BS5930:2015

Method: Trial Pit	Date(s): 26/09/2022	Logged By: DG	Checked By: RP
Client: Castlewood Properties	Co-ords: 400638.08, 172040.11	Stability: Stable.	Dimensions: 3.00m
Hydrock Project No: 24863	Ground Level: 92.37m OD	Plant: JCB 3CX	0.60m 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over dark brown silty fine to coarse SAND with frequent rootlets. (TOPSOIL)	0.20	(0.20)	92.17	
0.40 - 0.80	B			Greyish brown mottled reddish brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)		(0.70)		
1.00 - 1.40	B			High strength firm light grey mottled orangish brown sandy slightly silty CLAY. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)	1			
1.20	HSV	97kPa				(1.10)		
2.20	D			High to very high strength stiff dark grey mottled brown CLAY with rare selenite crystals up to 4mm, abundant shell fragments and occasional relict rootlets. (KIMMERIDGE CLAY FORMATION)	2			
2.20	HSV	152kPa				(0.80)		
3.10	D			High strength firm to stiff dark grey CLAY with abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	3			
3.10	HSV	95kPa				(0.85)		
3.65	HSV	139kPa		Base of Excavation at 3.65m	3.65		88.72	
					4			
					5			

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.65m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.

HoleBASE SI - Hydrock Trialhole Template v3

Method: Trial Pit	Date(s): 27/09/2022	Logged By: DG	Checked By: RP
Client: Castlewood Properties	Co-ords: 400738.89, 172157.47	Stability: Stable.	Dimensions: Scale:
Hydrock Project No: 24863	Ground Level: 97.22m OD	Plant: JCB 3CX	0.60m 3.00m 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over brown slightly silty slightly clayey fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.30	(0.30)	96.92	
0.50 - 0.80	B			Yellowish brown to greyish brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)	1.00	(0.70)	96.22	
1.10 1.10	D HSV	106kPa		High strength firm to stiff grey mottled orangish brown slightly sandy CLAY. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)	1.70	(0.70)	95.52	
1.80 1.80	D HSV	162kPa		Very high strength stiff dark grey mottled brown and locally orangish brown CLAY with abundant selenite crystals up to 4mm and frequent shell fragments. (KIMMERIDGE CLAY FORMATION)	2.30	(0.60)	94.92	
2.40 2.40	D HSV	137kPa	▼	High strength stiff dark grey mottled brown CLAY with abundant shell fragments and occasional relict rootlets. (KIMMERIDGE CLAY FORMATION)	3.20	(0.90)	94.02	
3.30 - 3.50	B		▼	Potentially moderately strong dark grey MUDSTONE recovered as clayey gravel and cobbles of mudstone with occasional calcite mineralisation and occasional selenite crystals. (KIMMERIDGE CLAY FORMATION)	3.50	(0.30)	93.72	
Base of Excavation at 3.50m								
					4			
					5			

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.50m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. Minor groundwater ingress at 2.40m and 3.20m bgl. 5. Trial pit backfilled with arisings on completion.



Project: Penn Hill, Calne

Trialpit No
TP25

Page No. 1 of 1

Method: Trial Pit

Date(s): 27/09/2022

Logged By: DG

Checked By: RP

Client: Castlewood Properties

Co-ords: 400759.00, 172196.91

Stability: Stable.

Dimensions: 3.00m

Scale: 1:25

Hydrock Project No: 24863

Ground Level: 97.17m OD

Plant: JCB 3CX

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over brown slightly silty fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.25	(0.25)	96.92	
0.60 0.60	D ES			Light brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)	0.90	(0.65)	96.27	
1.10 1.10	D HSV	192kPa		Very high strength stiff grey mottled brown and orangish brown locally slightly sandy CLAY with abundant selenite crystals up to 3mm. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)	1.60	(0.70)	95.57	
1.70 1.70	D HSV	108kPa		High strength firm to stiff dark grey mottled brown CLAY with frequent selenite crystals up to 3mm, occasional shell fragments and occasional orangish brown fine to coarse sand lenses. (KIMMERIDGE CLAY FORMATION)	2.10	(0.50)	95.07	
2.25 2.25	D HSV	143kPa	▼	... From 2.00m bgl: Damp strata. High strength stiff dark grey mottled brown CLAY with locally abundant selenite crystals up to 6mm, abundant shell fragments and rare relict rootlets. (KIMMERIDGE CLAY FORMATION)	2.60	(0.50)	94.57	
2.70 - 2.90	B		▼	Potentially moderately strong dark grey MUDSTONE recovered as clayey gravel and cobbles of mudstone with rare calcite mineralisation and occasional selenite crystals. (KIMMERIDGE CLAY FORMATION)	2.90	(0.30)	94.27	
3.10	HSV	206kPa		Very high strength very stiff dark grey CLAY with abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	3.50	(0.60)	93.67	
3.50	HSV	232kPa		Base of Excavation at 3.50m				
					4			
					5			

General Remarks:

1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.50m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. Minor groundwater ingress at 2.25m and 2.60m bgl. 5. Trial pit backfilled with arisings on completion.

HoleBASE SI - Hydrock Trialhole Template v3

Logged in general accordance with BS5930:2015



Project: Penn Hill, Calne

Trialpit No
TP26

Page No. 1 of 1

Method: Trial Pit

Date(s): 27/09/2022

Logged By: DG

Checked By: RP

Client: Castlewood Properties

Co-ords: 400784.44, 172232.57

Stability: Stable.

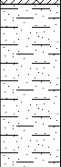
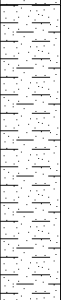
Dimensions: 3.00m

Scale: 1:25

Hydrock Project No: 24863

Ground Level: 98.25m OD

Plant: JCB 3CX

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES	98kPa		Grass over dark brown mottled reddish brown slightly silty fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.25	(0.25)	98.00	
0.40 - 0.60	B			Stiff dessicated yellowish brown slightly sandy CLAY. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)		(0.55)		
0.90 - 1.20 1.00	B HSV			High strength firm grey mottled brown and orangish brown locally slightly sandy CLAY with abundant selenite crystals up to 3mm and occasional shell fragments. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)	0.80		97.45	
1.90 1.90	D HSV	136kPa		High strength stiff grey to dark grey mottled brown and locally orangish brown CLAY with frequent selenite crystals up to 4mm, frequent shell fragments and occasional orangish brown fine to coarse sand lenses. (KIMMERIDGE CLAY FORMATION) ... From 2.20m bgl: Damp strata.	1.80		96.45	
2.60 2.60	D HSV	129kPa		High strength firm to stiff dark grey mottled brown CLAY with abundant shell fragments and rare relict rootlets. (KIMMERIDGE CLAY FORMATION)	2.40	(0.60)	95.85	
3.20 3.20	D HSV	181kPa		Very high strength stiff dark grey CLAY with abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	3.10	(0.40)	95.15	
				Base of Excavation at 3.50m	3.50		94.75	
					4			
					5			

General Remarks:

1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.50m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.

HoleBASE SI - Hydrock Trialhole Template v3

Logged in general accordance with BS5930:2015

Method: Trial Pit	Date(s): 28/09/2022	Logged By: DG	Checked By: RP
Client: Castlewood Properties	Co-ords: 400622.90, 171910.65	Stability: Stable.	Dimensions: 3.00m
Hydrock Project No: 24863	Ground Level: 96.00m OD	Plant: JCB 3CX	0.60m 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over dark brown slightly silty slightly clayey fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.20	(0.20)	95.80	
0.45	ES			Brown mottled orangish brown and reddish brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP) ... 0.30m - 0.50m bgl: Low cobble content of white calcareous sandstone.	0.60	(0.40)	95.40	
0.80 - 1.10	B			Stiff grey mottled brown and locally orangish brown CLAY with abundant selenite crystals up to 4mm, rare shell fragments and rare lenses of orangish brown fine to coarse sand. (KIMMERIDGE CLAY FORMATION)	1	(1.00)	94.40	
1.70 1.70	D HSV	131kPa		High strength stiff dark grey mottled brown CLAY with abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	1.60	(0.45)	93.95	
2.10 - 2.30 2.10	B HSV	193kPa		Very high strength stiff to very stiff dark grey mottled brown CLAY with frequent selenite crystals up to 6mm, abundant shell fragments and frequent relict rootlets. (KIMMERIDGE CLAY FORMATION) ... 2.10m - 2.30m bgl: Slightly gravelly of mudstone.	2	(1.30)	92.65	
3.35 3.35	D HSV	182kPa		Base of Excavation at 3.35m	3.35			
					4			
					5			

General Remarks:

1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.35m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.

Logged in general accordance with BS5930:2015

Method: Trial Pit	Date(s): 28/09/2022	Logged By: DG	Checked By: RP
Client: Castlewood Properties	Co-ords: 400941.73, 172155.29	Stability: Stable.	Dimensions: 3.00m
Hydrock Project No: 24863	Ground Level: 96.13m OD	Plant: JCB 3CX	0.60m 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over brown slightly sandy silty CLAY with abundant rootlets. Sand is fine to coarse. (TOPSOIL)	0.25	(0.25)	95.88	
0.50	ES			Stiff dessicated grey CLAY with abundant selenite crystals up to 3mm. (KIMMERIDGE CLAY FORMATION)	0.60	(0.35)	95.53	
1.10	HSV	121kPa		High strength firm to stiff grey mottled brown and orangish brown CLAY with abundant selenite crystals up to 4mm, rare shell fragments and rare orangish brown fine to coarse sand lenses. (KIMMERIDGE CLAY FORMATION)	1.40	(0.80)	94.73	
1.70	HSV	134kPa		High strength stiff grey to dark grey mottled brown CLAY with occasional selenite crystals up to 3mm and abundant shell fragments. (KIMMERIDGE CLAY FORMATION)	2.60	(1.20)	93.53	
2.70	HSV	136kPa		... From 2.00m bgl: With occasional relict rootlets.	2.90	(0.30)	93.23	
				Base of Excavation at 2.90m	3			
					4			
					5			

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 2.90m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.



Project: Penn Hill, Calne

Trialpit No
TP30

Page No. 1 of 1

Method: Trial Pit

Date(s): 28/09/2022

Logged By: DG

Checked By: RP

Client: Castlewood Properties

Co-ords: 400938.38, 172269.74

Stability: Stable.

Dimensions: 3.00m

Scale: 1:25

Hydrock Project No: 24863

Ground Level: 104.54m OD

Plant: JCB 3CX

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over slightly silty slightly clayey fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.30	(0.30)	104.24	
				Light brown to yellowish brown slightly clayey fine to coarse SAND. (LOWER GREENSAND GROUP)	0.75	(0.45)	103.79	
0.90	HSV	127kPa		High strength firm to stiff grey mottled brown CLAY with occasional selenite crystals up to 2mm and occasional shell fragments. (KIMMERIDGE CLAY FORMATION)	1.40	(0.65)	103.14	
1.60	HSV	131kPa		High strength stiff grey to dark grey mottled brown and orangish brown CLAY with abundant selenite crystals up to 4mm, frequent shell fragments and occasional relict fibrous organic matter. (KIMMERIDGE CLAY FORMATION)	2.10	(0.70)	102.44	
2.30	HSV	112kPa		High strength firm to stiff locally thinly laminated dark grey mottled light grey and brown CLAY with abundant selenite crystals up to 8mm and occasional shell fragments. (KIMMERIDGE CLAY FORMATION)				
				... From 2.80m bgl: Becoming abundant shell fragments.		(1.60)		
3.40	HSV	202kPa		Very high strength stiff locally thinly laminated dark grey mottled brown CLAY with occasional shell fragments. (KIMMERIDGE CLAY FORMATION)	3.70	(0.30)	100.84	
				Base of Excavation at 3.70m	3.70		100.84	
					4			
					5			

General Remarks:

1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.70m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.

HoleBASE SI - Hydrock Trialhole Template v3

Logged in general accordance with BS5930:2015

Logged in general accordance with BS5930:2015

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.50m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.

Method: Trial Pit			Date(s): 28/09/2022		Logged By: DG		Checked By: RP				
Client: Castlewood Properties			Co-ords: 400702.42, 172180.38		Stability: Stable.		Dimensions: 3.00m		Scale: 1:25		
Hydrock Project No: 24863			Ground Level: 92.04m OD		Plant: JCB 3CX		0.60m				
Samples / Tests			Water-Strikes	Stratum Description				Depth mag	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results									
0.15	ES	68kPa		Grass over dark brown mottled reddish brown slightly silty slightly clayey fine to coarse SAND with abundant rootlets. (TOPSOIL)				0.20	(0.20)	91.84	
0.50	D			Grey mottled orangish brown and reddish brown slightly clayey fine to coarse SAND. (LOWER GREENSAND GROUP)				0.70	(0.50)	91.34	
1.10 - 1.30	B HSV			Grey mottled brown CLAY. (KIMMERIDGE CLAY FORMATION)				1.00	(0.30)	91.04	
				Medium strength soft to firm blueish grey mottled orangish brown locally slightly sandy CLAY with frequent selenite crystals up to 4mm and occasional relict rootlets. (KIMMERIDGE CLAY FORMATION)				1.90	(0.90)	90.14	
2.10 2.10	D HSV	99kPa		High strength firm to stiff dark grey mottled brown CLAY with abundant selenite crystals up to 6mm, abundant shell fragments and rare relict rootlets. (KIMMERIDGE CLAY FORMATION)				2	(1.40)	88.74	
2.70 2.70	D HSV	102kPa						3			
3.30 3.30	D HSV	122kPa		Base of Excavation at 3.30m				3.30			
4											
5											

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.30m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.

Method: Trial Pit	Date(s): 29/09/2022	Logged By: DG	Checked By: RP
Client: Castlewood Properties	Co-ords: 400722.46, 172206.83	Stability: Stable.	Dimensions: 3.00m
Hydrock Project No: 24863	Ground Level: 93.00m OD	Plant: JCB 3CX	0.60m 1:25

Samples / Tests			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.10	ES			Grass over dark brown mottled reddish brown slightly clayey fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.15	(0.15)	92.85	
0.30 - 0.60	B			Greyish brown and yellowish brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)				
0.50	ES					(0.65)		
					0.80		92.20	
1.00	D			High strength firm grey mottled brown and orangish brown slightly silty CLAY with occasional shell fragments. (KIMMERIDGE CLAY FORMATION)	1			
1.00	HSV	98kPa				(0.80)		
					1.60		91.40	
1.80	D			High strength stiff grey to dark grey mottled brown CLAY with frequent shell fragments and occasional selenite crystals up to 4mm. (KIMMERIDGE CLAY FORMATION)				
1.80	HSV	122kPa		... From 2.00m bgl: Damp strata.	2			
					2.50		90.50	
2.70	D			High strength firm to stiff dark grey mottled brown CLAY with abundant shell fragments. (KIMMERIDGE CLAY FORMATION)				
2.70	HSV	109kPa			3			
						(1.10)		
3.50	D				3.60		89.40	
3.50	HSV	130kPa		Base of Excavation at 3.60m				
					4			
					5			

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.60m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. Minor groundwater ingress at 2.70m bgl. 5. Trial pit backfilled with arisings on completion.

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.40m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.

General Remarks:
1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.70m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. Minor groundwater ingress at 2.40m bgl. 5. Trial pit backfilled with arisings on completion.



Project: Penn Hill, Calne

Trialpit No
TP38

Page No. 1 of 1

Method: Trial Pit

Date(s): 29/09/2022

Logged By: DG

Checked By: RP

Client: Castlewood Properties

Co-ords: 400848.78, 172246.86

Stability: Stable.

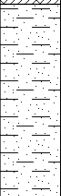
Dimensions: 3.00m

Scale: 1:25

Hydrock Project No: 24863

Ground Level: 103.06m OD

Plant: JCB 3CX

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.20	ES			Grass over dark brown mottled reddish brown slightly silty fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.25	(0.25)	102.81	
0.40 - 0.70	B			Stiff dessicated grey to greyish brown slightly sandy CLAY with frequent selenite crystals up to 2mm. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)		(0.65)		
1.00 - 1.30	B	170kPa		Very high strength stiff grey mottled brown CLAY with occasional selenite crystals up to 4mm and occasional shell fragments. (KIMMERIDGE CLAY FORMATION)	1	(1.00)		
1.10	HSV			... From 1.80m bgl: Damp strata.	1.90		101.16	
2.10	D	64kPa		Medium strength soft to firm grey to dark grey mottled brown CLAY with abundant selenite crystals up to 6mm, frequent shell fragments and occasional yellowish brown fine to coarse sand lenses. (KIMMERIDGE CLAY FORMATION)	2	(0.80)		
2.10	HSV				2.70		100.36	
2.80	D	120kPa		High strength firm to stiff dark grey CLAY with abundant shell fragments and rare orangish brown fine to coarse sand lenses. (KIMMERIDGE CLAY FORMATION)	3	(0.60)		
2.80	HSV				3.30		99.76	
3.50	D	171kPa		Very high strength stiff dark grey CLAY with abundant shell fragments. (KIMMERIDGE CLAY FORMATION)		(0.40)		
3.50	HSV				3.70		99.36	
				Base of Excavation at 3.70m				
					4			
					5			

General Remarks:

1. CAT and Genny scan prior to excavation. 2. Machine excavated to 3.70m bgl. 3. No olfactory or visual evidence of contamination recorded. 4. No groundwater encountered. 5. Trial pit backfilled with arisings on completion.

Logged in general accordance with BS5930:2015

HoleBASE SI - Hydrock Trialhole Template v3

			Project: Penn Hill, Calne			Trialpit No TP39 Page No. 1 of 1		
Method: Trial Pit			Date(s): 29/09/2022		Logged By: DG		Checked By: RP	
Client: Castlewood Properties			Co-ords: 400819.07, 172285.31		Stability: Stable.		Dimensions:	Scale:
Hydrock Project No: 24863			Ground Level: 100.51m OD		Plant: JCB 3CX		0.60m 3.00m	1:25
Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend
Depth (m)	Type	Results						
0.15	ES			Grass over dark brown mottled reddish brown slightly silty fine to coarse SAND with abundant rootlets. (TOPSOIL)	0.20	(0.20)	100.31	
0.50	ES			Very stiff dessicated brown mottled orangish brown sandy CLAY. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)	0.55	(0.35)	99.96	
0.70	D			Stiff dessicated grey slightly sandy CLAY with frequent selenite crystals up to 2mm. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION) ... 0.70m bgl: Roughly trending E to W black metal pipe.	1.00	(0.45)	99.51	
1.10	D	164kPa		Very high strength stiff grey mottled brown CLAY with frequent selenite crystals up to 3mm, frequent shell fragments and rare relict rootlets. (KIMMERIDGE CLAY FORMATION)	1.35	(0.35)	99.16	
1.10	HSV			High strength firm to stiff grey mottled brown CLAY with abundant selenite crystals up to 3mm, abundant shell fragments and rare relict rootlets. (KIMMERIDGE CLAY FORMATION)	1.50	(0.15)	99.01	
1.50	D	120kPa		Base of Excavation at 1.50m				
1.50	HSV							
2 3 4 5								

General Remarks:
 1. CAT and Genny scan prior to excavation. 2. Machine excavated to 1.50m bgl. 3. Trial pit terminated at 1.50m bgl due to uncovering a buried black metal pipe in the sidewall at 0.70m bgl. 4. No olfactory or visual evidence of contamination recorded. 5. No groundwater encountered. 6. Trial pit backfilled with arisings on completion.

Method: Window Sampler

Date(s): 26/09/2022

Logged By: KB

Drilled By: SSL

Client: Castlewood Properties

Co-ords: 400766.55, 171992.97

Checked By: RP

Rig: Terrier

Hydrock Project No: 24863

Ground Level: 103.98m OD

Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrum- entation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	98mm	100%	0.20	D	N=8 (1,2,1,2,3,2)		Brown slightly silty fine to coarse SAND with rootlets. (TOPSOIL)	0.20	(0.20)	103.78		
			0.20	ES			Light brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)		(0.40)			
			0.50	D				0.60		103.38		
			0.50	ES			Firm grey sandy CLAY. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)	0.80	(0.20)	103.18		
2.00 - 3.00	85mm	100%	1.00	D	N=9 (1,2,2,2,3)		Firm orangish brown mottled grey CLAY (KIMMERIDGE CLAY FORMATION)	1	(1.10)			
			1.00	ES								
3.00 - 4.00	75mm	90%	1.20	SPT	N=17 (3,2,3,4,5,5)		Stiff grey CLAY with abundant fossils. (KIMMERIDGE CLAY FORMATION)		(3.10)	102.08		
			2.00	SPT				2				
4.00 - 5.00	65mm	90%	2.00	D	N=21 (3,5,5,6,5,5)							
			3.00	SPT				3				
			3.00	D	N=24 (4,5,5,6,6,7)							
			4.00	SPT				4				
			4.00	D								
			5.00	SPT				5				
			5.00	D								
			5.00	D				5				
End of Borehole at 5.00m								5.00		98.98		
								</				

General Remarks:

1. CAT & Genny scan prior to excavation. 2. No olfactory or visual evidence of contamination recorded. 3. No groundwater encountered. 4. Hole terminated at 5.0m. 5. Monitoring well installed with 1.0m of plain pipe and 4.0m of slotted pipe.

HoleBASE SI - Hydrock Dynamic Sampling Template v3

HoleBASE SI - Hydrock Dynamic Sampling Template v3

Method: Window Sampler

Date(s): 26/09/2022

Logged By: KB

Drilled By: SSL

Client: Castlewood Properties

Co-ords: 400738.37, 172086.61

Checked By: RP

Rig: Terrier

Hydrock Project No: 24863

Ground Level: 100.93m OD

Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	98mm	100%	1.20	SPT	N=36 (8,8,9,9,10,8)		Grass over brown slightly silty fine to coarse SAND with rootlets. (TOPSOIL)	0.20	(0.20)	100.73		
							Brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)	0.70	(0.50)	100.23		
2.00 - 3.00	85mm	100%	2.00 2.00	SPT D	N=26 (4,4,5,8,6,7)		Firm orangish brown mottled grey slightly sandy CLAY. Sand is fine to coarse (KIMMERIDGE CLAY FORMATION)	1.90	(1.20)	99.03		
							Firm orangish brown mottled grey CLAY with frequent fossils. (KIMMERIDGE CLAY FORMATION)	2.80	(0.90)	98.13		
3.00 - 4.00	85mm	100%	3.00 3.00	SPT D	N=25 (4,6,6,6,7,6)		Firm grey CLAY with abundant fossils. (KIMMERIDGE CLAY FORMATION)	3.60	(0.80)	97.33		
							Stiff becoming very stiff dark grey CLAY with abundant fossils (KIMMERIDGE CLAY FORMATION)	5.00	(1.40)	95.93		
4.00 - 5.00	75mm	100%	4.00 4.00	SPT D	N=25 (5,5,7,6,6,6)							
			5.00 5.00	SPT D	N=22 (5,5,4,6,6,6)		End of Borehole at 5.00m	5.00		95.93		

General Remarks:

1. CAT & Genny scan prior to excavation. 2. No olfactory or visual evidence of contamination recorded. 3. No groundwater encountered. 4. Hole terminated at 5.0m. 5. Window sample backfilled with bentonite.

Method: Window Sampler

Date(s): 27/09/2022

Logged By: KB

Drilled By: SSL

Client: Castlewood Properties

Co-ords: 400759.65, 172187.95

Checked By: RP

Rig: Terrier

Hydrock Project No: 24863

Ground Level: 97.66m OD

Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	98mm	80%	1.00	D	N=12 (2,2,3,2,3,4)		Grass over brown slightly silty fine to coarse SAND with rootlets. (TOPSOIL)	0.20	(0.20)	97.46		
							Brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)		(0.60)			
			1.00				Brown clayey fine to coarse SAND. (LOWER GREENSAND GROUP)	0.80		96.86		
								1	(0.40)			
2.00 - 3.00	85mm	100%	2.00	SPT	N=18 (3,5,4,5,5,4)		Stiff orangish brown mottled grey CLAY with abundant fossils. (KIMMERIDGE CLAY FORMATION)	1.20		96.46		
			2.00	D					(0.80)			
3.00 - 4.00	85mm	100%	3.00	SPT	N=17 (3,3,4,4,5,4)		Stiff locally firm dark grey CLAY with abundant fossils. (KIMMERIDGE CLAY FORMATION)	2	2.00	95.66		
4.00 - 5.00	75mm	100%	4.00	SPT	N=19 (3,4,5,4,5,5)							
												
												
												
												
												
												
												
												
												
												
												
												
												
												
												
												
												
												
												
												
												
												
												
												

General Remarks:

1. CAT & Genny scan prior to excavation. 2. No olfactory or visual evidence of contamination recorded. 3. No groundwater encountered. 4. Hole terminated at 5.0m. 5. Monitoring well installed with 1.0m of plain pipe and 4.0m of slotted pipe.

HoleBASE SI - Hydrock Dynamic Sampling Template v3

Method: Window Sampler

Date(s): 27/09/2022

Logged By: KB

Drilled By: SSL

Client: Castlewood Properties

Co-ords: 400785.11, 172261.35

Checked By: RP

Rig: Terrier

Hydrock Project No: 24863

Ground Level: 97.61m OD

Scale: 1:30

Sample Run Info			Testing			Water- Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrum- entation	Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results								
1.20 - 2.00	98mm	90%	1.00	D	N=12 (1,2,3,3,3,3)		Grass over brown slightly silty fine to coarse SAND with rootlets. (TOPSOIL)	0.20	(0.20)	97.41			
			1.20	SPT			Brown slightly silty fine to coarse SAND. (LOWER GREENSAND GROUP)		(0.50)				
2.00 - 3.00	85mm	100%	2.00	SPT	N=17 (2,4,4,5,4,4)		Firm orangish brown mottled grey CLAY with frequent fossils. (KIMMERIDGE CLAY FORMATION)	0.70		96.91			
			2.00	D					(1.50)				
3.00 - 4.00	85mm	100%	3.00	SPT	N=19 (3,3,3,5,5,6)		Stiff dark grey CLAY with abundant fossils. (KIMMERIDGE CLAY FORMATION)	2.20		95.41			
			3.00	D					(2.80)				
4.00 - 5.00	75mm	100%	4.00	SPT	N=22 (3,5,5,6,6,5)								
			4.00	D									
			5.00	SPT	N=24 (4,5,6,5,6,7)		End of Borehole at 5.00m	5.00		92.61			
			5.00	D									

General Remarks:

1. CAT & Genny scan prior to excavation. 2. No olfactory or visual evidence of contamination recorded. 3. No groundwater encountered. 4. Hole terminated at 5.0m. 5. Monitoring well installed with 1.0m of plain pipe and 4.0m of slotted pipe.

Method: Window Sampler

Date(s): 27/09/2022

Logged By: KB

Drilled By: SSL

Client: Castlewood Properties

Co-ords: 400811.66, 172113.55

Checked By: RP

Rig: Terrier

Hydrock Project No: 24863

Ground Level: 103.90m OD

Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	98mm	80%	0.20	D	N=10 (2,3,2,3,3,2)		Dark grey coarse grained CONCRETE. (MADE GROUND)	0.05	(0.05)	103.85		
			0.20	ES			Grey and white sandy subangular to rounded fine to coarse GRAVEL of chalk and flint. Sand is fine to coarse. (MADE GROUND)	0.30	(0.25)	103.60		
			0.50	D			Firm dark brown reworked slightly sandy CLAY. Sand is fine to coarse. (MADE GROUND)	0.60	(0.30)	103.30		
			0.50	ES			Firm orangish brown slightly sandy CLAY. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)	1	(0.90)	102.40		
2.00 - 3.00	85mm	100%	2.00	SPT	N=13 (1,2,3,3,3,4)		Firm orangish brown mottled grey CLAY with frequent fossils. (KIMMERIDGE CLAY FORMATION)	1.50		102.40		
			2.00 - 3.00	B					(1.50)			
3.00 - 4.00	75mm	100%	3.00	SPT	N=14 (3,3,4,4,4,2)		Soft grey sandy CLAY. Sand is fine to coarse. (KIMMERIDGE CLAY FORMATION)	3.00		100.90		
			3.00 - 4.00	B					(0.70)			
4.00 - 5.00	65mm	100%	4.00	SPT	N=15 (3,3,2,4,4,5)		Firm dark grey CLAY with abundant fossils. (KIMMERIDGE CLAY FORMATION)	4				
			4.00 - 5.00	B					(1.30)			
			5.00	SPT	N=13 (2,3,3,3,3,4)		End of Borehole at 5.00m	5	5.00	98.90		
								6				

Method: Window Sampler

Date(s): 28/09/2022

Logged By: KB

Drilled By: SSL

Client: Castlewood Properties

Co-ords: 400869.71, 172136.54

Checked By: RP

Rig: Terrier

Hydrock Project No: 24863

Ground Level: 102.96m OD

Scale: 1:30

Sample Run Info			Testing			Water- Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrum- entation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20 0.20	D ES		▼	Brownish grey sandy subangular to angular fine to coarse GRAVEL of limestone, concrete and brick fragments. Sand is fine to coarse. (MADE GROUND)	0.30	(0.30)	102.66		
			0.50 0.50	D ES			Black slightly sandy subangular to angular fine to coarse of limestone. Sand is fine to coarse. (Slight Hydrocarbon Odour). (MADE GROUND)	0.70	(0.40)	102.26		
End of Borehole at 0.70m												
								1				
								2				
								3				
								4				
								5				
								6				

General Remarks:

1. CAT & Genny scan prior to excavation. 2. Slight hydrocarbon odour from 0.30m bgl. 3. Groundwater ingress from 0.30m bgl. 4. Hole terminated at 0.70m due to groundwater ingress. 5. Handpit backfilled with arisings.

Method: Window Sampler

Date(s): 28/09/2022

Logged By: KB

Drilled By: SSL

Client: Castlewood Properties

Co-ords: 400853.35, 172103.45

Checked By: RP

Rig: Terrier

Hydrock Project No: 24863

Ground Level: 103.39m OD

Scale: 1:30

Sample Run Info			Testing			Water- Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrum- entation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	98mm	80%	0.20	D	N=12 (2,2,3,3,3,3)		Dark grey ASPHALT. (MADE GROUND)	0.05	(0.05)	103.34		
			0.20	ES			Dark brown sandy subangular to angular fine to coarse GRAVEL of clinker, brick fragments, ceramic and glass. (MADE GROUND)	0.30	(0.25)	103.09		
			0.50	D			Black sandy subangular to angular fine to coarse GRAVEL of clinker. (MADE GROUND)	0.60	(0.30)	102.79		
			0.50	ES			... 0.40m bgl: Asbestos containing material. Soft reworked brown CLAY. (MADE GROUND)	1.00	(0.90)	101.89		
2.00 - 3.00	100mm	90%	1.00	D	N=14 (1,2,3,3,4,4)		Firm orangish brown mottled grey CLAY with frequent fossils. (KIMMERIDGE CLAY FORMATION)	1.50	(1.10)	100.79		
			1.20	SPT				2.00				
3.00 - 4.00	75mm	100%	2.00	SPT	N=15 (1,3,3,4,4,4)		Firm dark grey CLAY with abundant fossils. (KIMMERIDGE CLAY FORMATION)	2.60	(2.40)	98.39		
			3.00	D				3.00				
4.00 - 5.00	65mm	90%	4.00	SPT	N=15 (2,3,3,4,4,4)			4.00				
			4.00	D				5.00				
			5.00	SPT	N=14 (2,3,3,4,4,3)			5.00				
			5.00	D				End of Borehole at 5.00m				

General Remarks:

1. CAT & Genny scan prior to excavation. 2. No olfactory or visual evidence of contamination recorded. 3. No groundwater encountered. 4. Hole terminated at 5.0m. 5. Monitoring well installed with 2.0m of plain pipe and 3.0m of slotted pipe.

Method: Window Sampler

Date(s): 28/09/2022

Logged By: KB

Drilled By: SSL

Client: Castlewood Properties

Co-ords: 400852.55, 172051.81

Checked By: RP

Rig: Terrier

Hydrock Project No: 24863

Ground Level: 102.38m OD

Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth m bgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
1.20 - 2.00	98mm	90%	0.20	D	N=8 (1,2,2,2,2,2)		Grey slightly sandy subangular to angular fine to coarse GRAVEL of limestone, concrete and brick fragments. Sand is fine to coarse. (MADE GROUND)	0.25	(0.25)	102.13		
			0.20	ES			Light yellow sandy angular to subangular fine to coarse GRAVEL of calcareous sandstone. Sand is fine to coarse. (MADE GROUND)		(0.45)			
			0.50	D			Brown clayey fine to coarse SAND. (MADE GROUND)	0.70		101.68		
			0.50	ES					(0.40)	101.28		
2.00 - 3.00	85mm	100%	1.00	D	N=15 (3,3,4,4,3,4)		Stiff orangish brown mottled grey CLAY with frequent fossils. (KIMMERIDGE CLAY FORMATION)	1				
			1.00	ES					1.10			
			1.20	SPT								
			1.20	D								
2.00 - 3.00	85mm	100%	2.00	SPT	N=15 (3,3,4,4,3,4)			2	(1.70)			
			2.00	D								
			2.00	SPT								
			2.00	D								
3.00 - 4.00	85mm	100%	3.00	SPT	N=18 (3,4,4,4,5,5)		Stiff dark grey CLAY with abundant fossils. (KIMMERIDGE CLAY FORMATION)	3				
			3.00	D								
			3.00	SPT								
			3.00	D								
4.00 - 5.00	75mm	100%	4.00	SPT	N=24 (4,4,5,6,6,7)			4	(2.20)			
			4.00	D								
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Exploratory Hole Photographs

Site Investigation Photograph 1	
Date: 26.09.22	
Direction Photograph Taken: N/A	
Description: WS01 1.20m – 5.00m bgl.	

Site Investigation Photograph 2	
Date: 26.09.22	
Direction Photograph Taken: N/A	
Description: WS02 1.20m – 5.00m bgl.	

Site Investigation Photograph 3	
Date: 26.09.22	
Direction Photograph Taken: N/A	
Description: WS03 1.20m – 5.00m bgl.	

Site Investigation Photograph 4	
Date: 26.09.22	
Direction Photograph Taken: N/A	
Description: WS04 1.20m – 5.00m bgl.	

Site Investigation Photograph 5	
Date: 27.09.22	
Direction Photograph Taken: N/A	
Description: WS05 1.20m – 5.00m bgl.	

Site Investigation Photograph 6	
Date: 27.09.22	
Direction Photograph Taken: N/A	
Description: WS06 1.20m – 5.00m bgl.	

Site Investigation Photograph 7	
Date: 27.09.22	
Direction Photograph Taken: N/A	
Description: WS07 1.20m – 5.00m bgl.	

Site Investigation Photograph 8	
Date: 27.09.22	
Direction Photograph Taken: N/A	
Description: WS08 1.20m – 5.00m bgl.	

Site Investigation Photograph 9	
Date: 28.09.22	
Direction Photograph Taken: N/A	
Description: WS09 hand pit arisings.	

Site Investigation Photograph 10	
Date: 28.09.22	
Direction Photograph Taken: N/A	
Description: WS09 hand pit.	

Site Investigation Photograph 11	
Date: 28.09.22	
Direction Photograph Taken: N/A	
Description: WS10 1.20m – 5.00m bgl.	

Site Investigation Photograph 12	
Date: 28.09.22	
Direction Photograph Taken: N/A	
Description: WS11 1.20m – 5.00m bgl.	

Site Investigation Photograph 13	
Date: 20.09.22	
Direction Photograph Taken: N/A	
Description: TP01.	

Site Investigation Photograph 14	
Date: 20.09.22	
Direction Photograph Taken: N/A	
Description: TP01 pit and side-wall.	

Site Investigation Photograph 15	
Date: 20.09.22	
Direction Photograph Taken: N/A	
Description: TP01 arising.	

Site Investigation Photograph 16	
Date: 20.09.22	
Direction Photograph Taken: N/A	
Description: TP02.	

Site Investigation Photograph 17	
Date: 20.09.22	
Direction Photograph Taken: N/A	
Description: TP02 pit.	

Site Investigation Photograph 18	
Date: 20.09.22	
Direction Photograph Taken: N/A	
Description: TP02 arising.	

Site Investigation Photograph 19	
Date: 20.09.22	
Direction Photograph Taken: N/A	
Description: TP03.	

Site Investigation Photograph 20	
Date: 20.09.22	
Direction Photograph Taken: N/A	
Description: TP03 pit and side-wall.	

Site Investigation Photograph 21	
Date: 20.09.22	
Direction Photograph Taken: N/A	
Description: TP03 arising.	

Site Investigation Photograph 22	
Date: 20.09.22	
Direction Photograph Taken: N/A	
Description: TP04.	

Site Investigation Photograph 23	
Date: 20.09.22	
Direction Photograph Taken: N/A	
Description: TP04 pit.	

Site Investigation Photograph 24	
Date: 20.09.22	
Direction Photograph Taken: N/A	
Description: TP04 side-wall.	