

Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_1_2
Grid Ref: 331941, 194757

Map Name: National Grid
Map date: 1970
Scale: 1:10,000
Printed at: 1:10,000

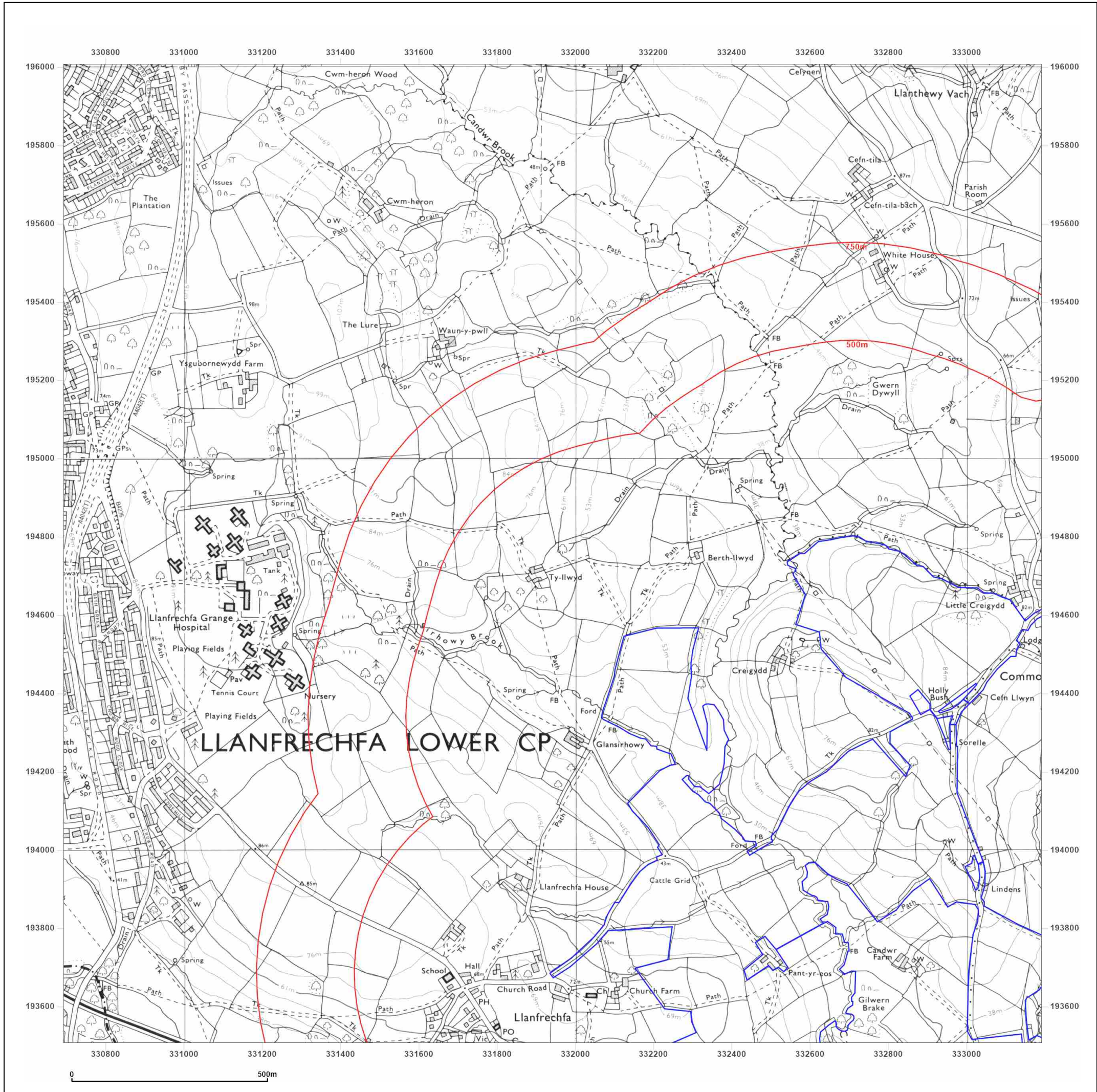


Surveyed 1970
Revised 1970
Edition N/A
Copyright N/A
Levelled N/A

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



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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_1_2
Grid Ref: 331941, 194757

Map Name: National Grid

Map date: 1981

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1980
Revised 1981
Edition N/A
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Levelled N/A

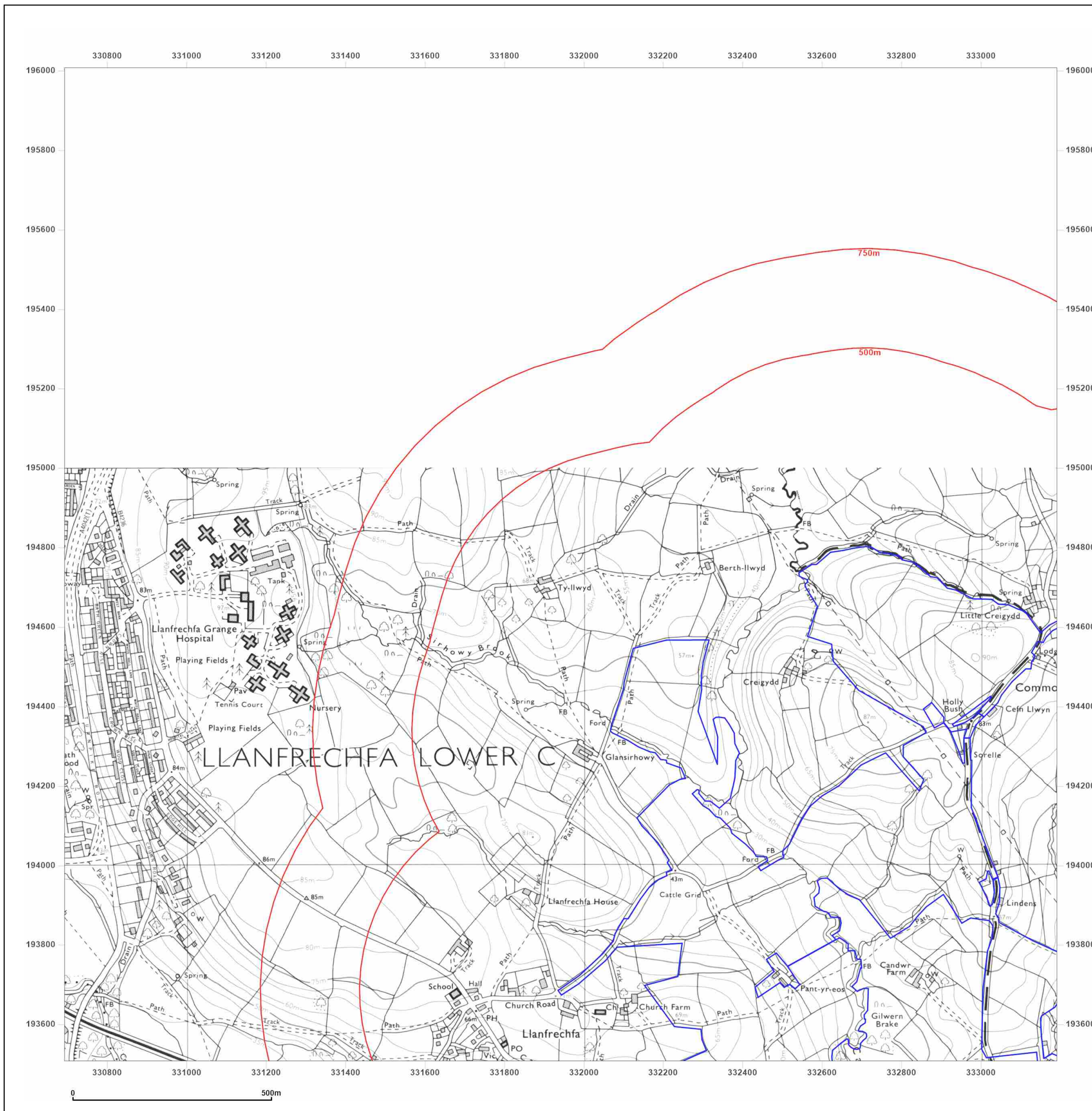


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_1_2
Grid Ref: 331941, 194757

Map Name: National Grid

Map date: 1994

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1968
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Site Details:

Court Farm Solar

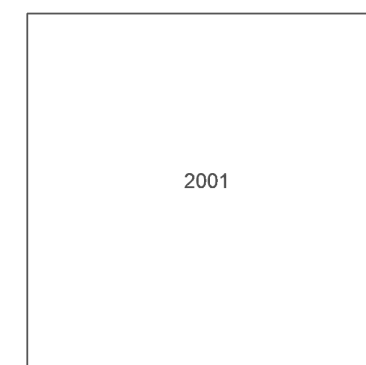
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Report Ref: GS-J6D-T89-7G2-1ZY_SS_1_2
Grid Ref: 331941, 194757

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

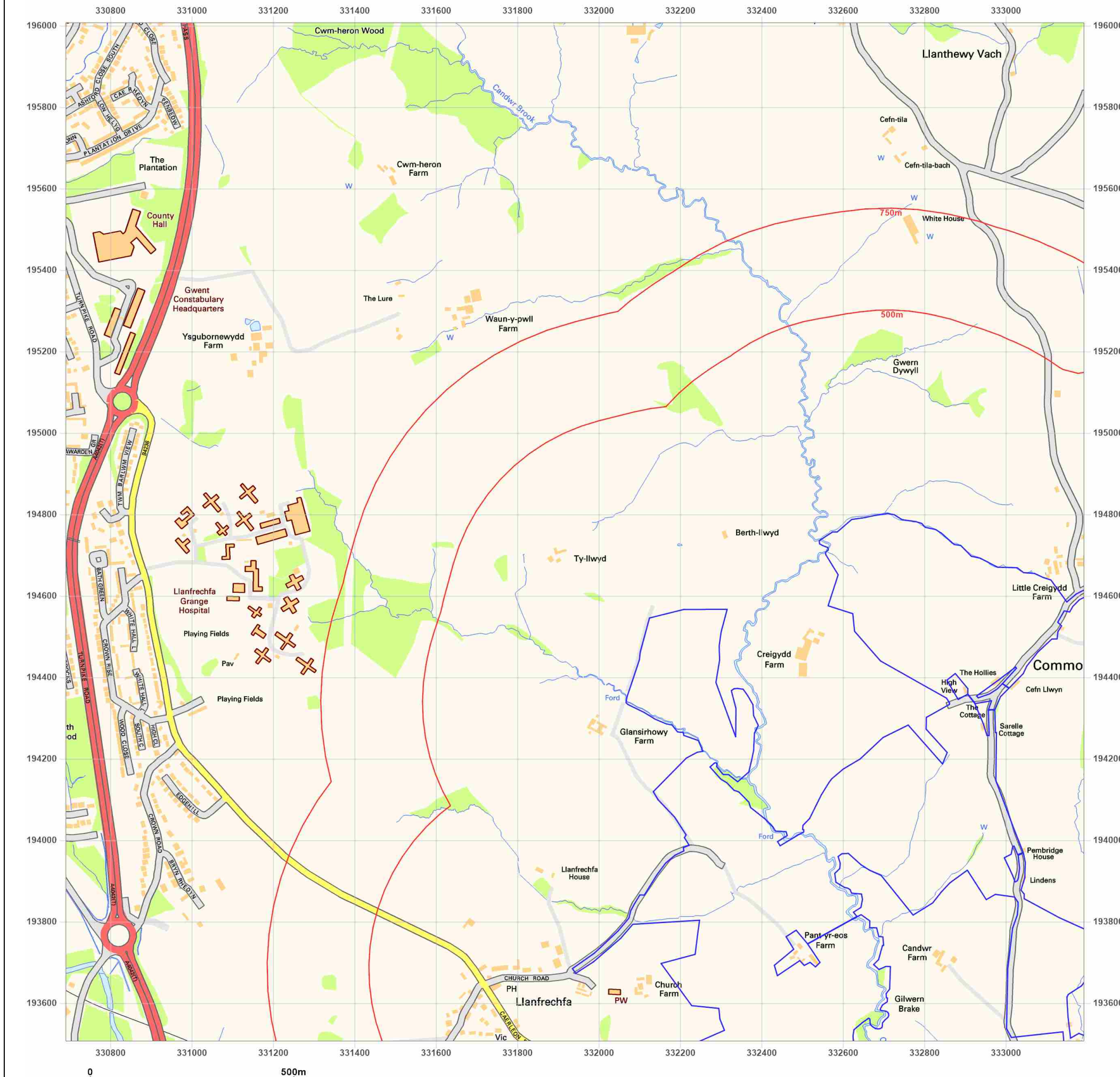


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_1_2
Grid Ref: 331941, 194757

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



2010

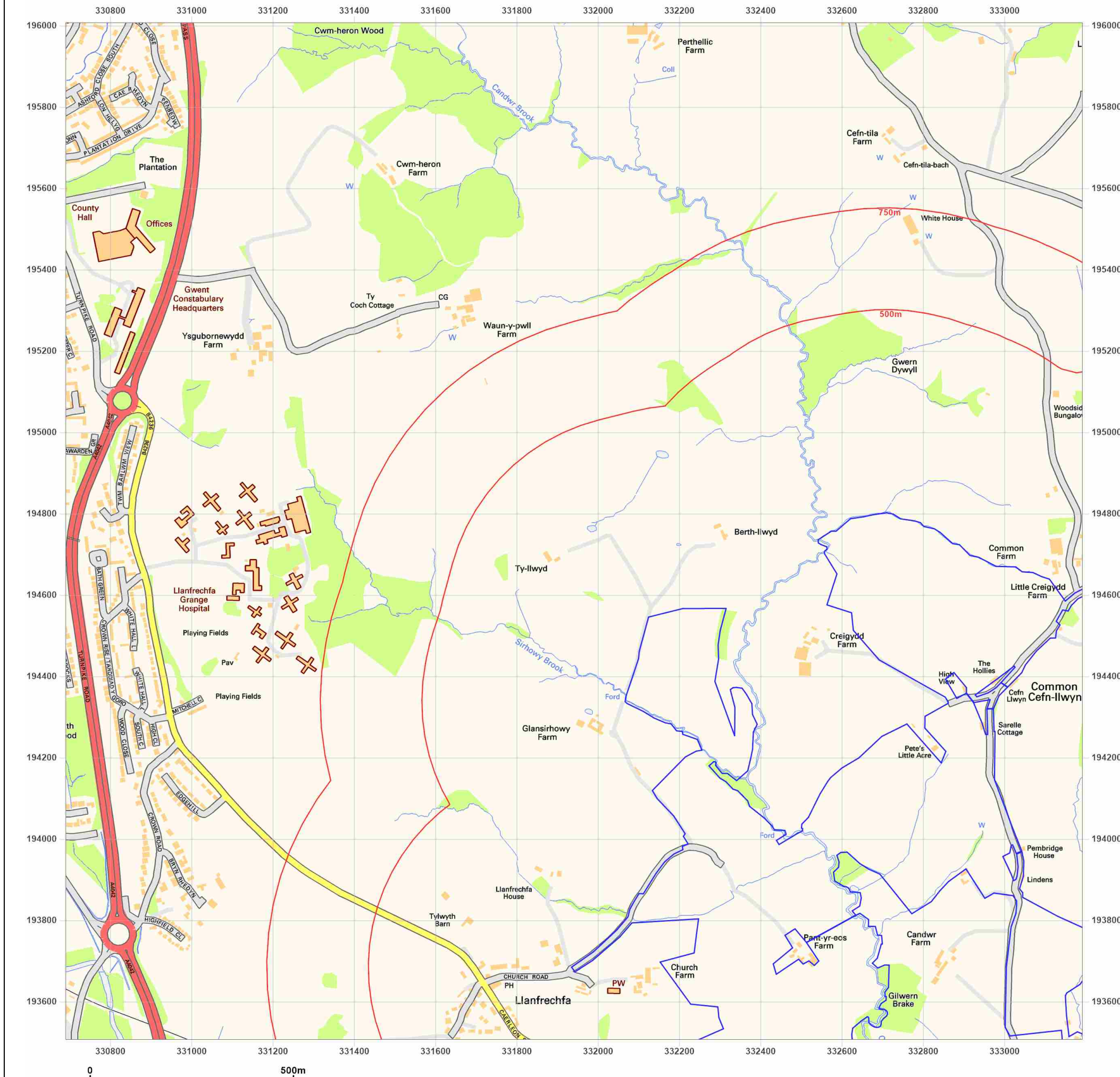


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_1_2
Grid Ref: 331941, 194757

Map Name: National Grid

Map date: 2025

Scale: 1:10,000

Printed at: 1:10,000



2025

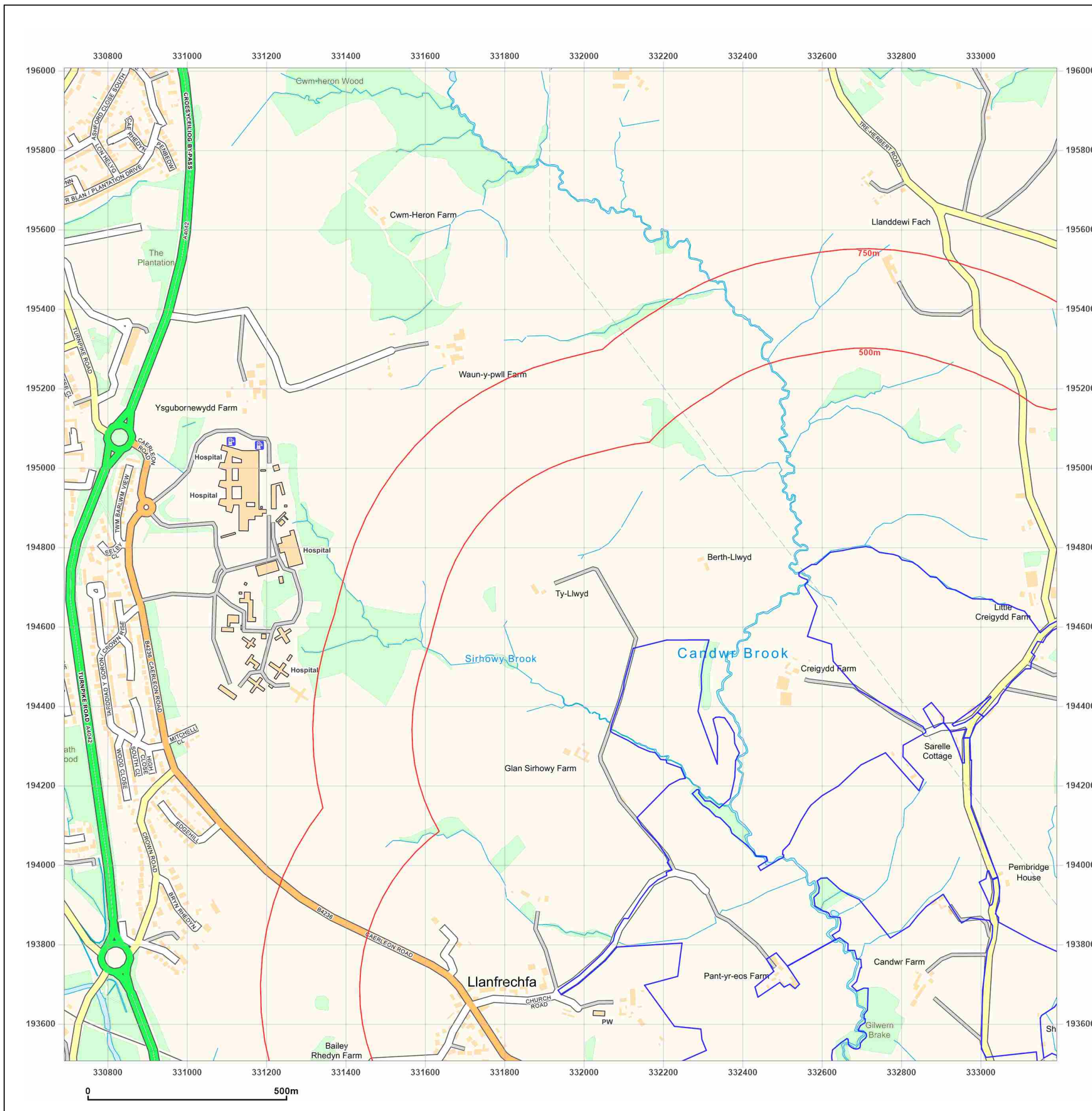


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: County Series

Map date: 1882

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1882
Revised 1882
Edition N/A
Copyright N/A
Levelled N/A

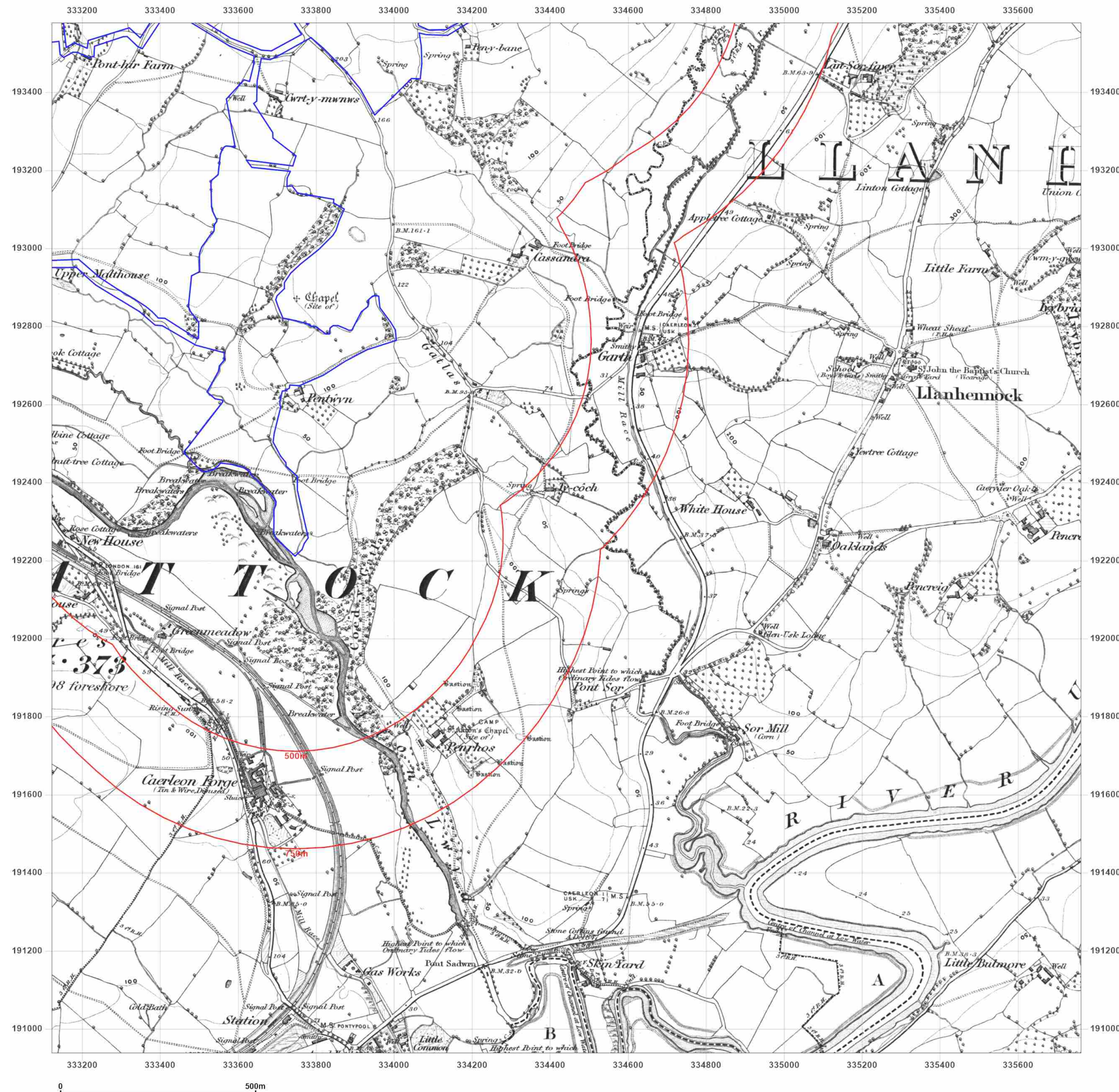


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: County Series

Map date: 1900

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

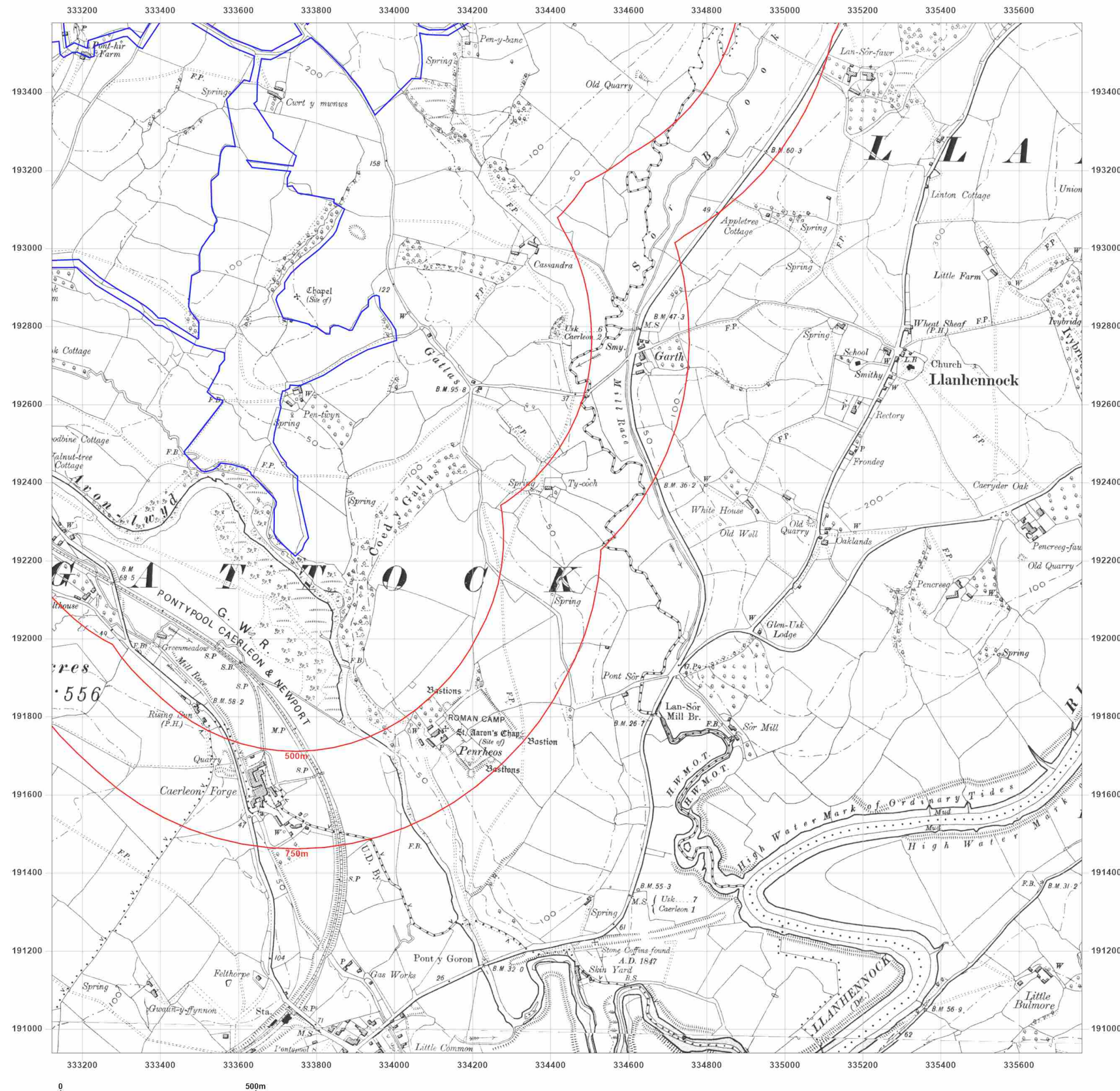


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: County Series

Map date: 1918

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1918
Edition N/A
Copyright N/A
Levelled N/A

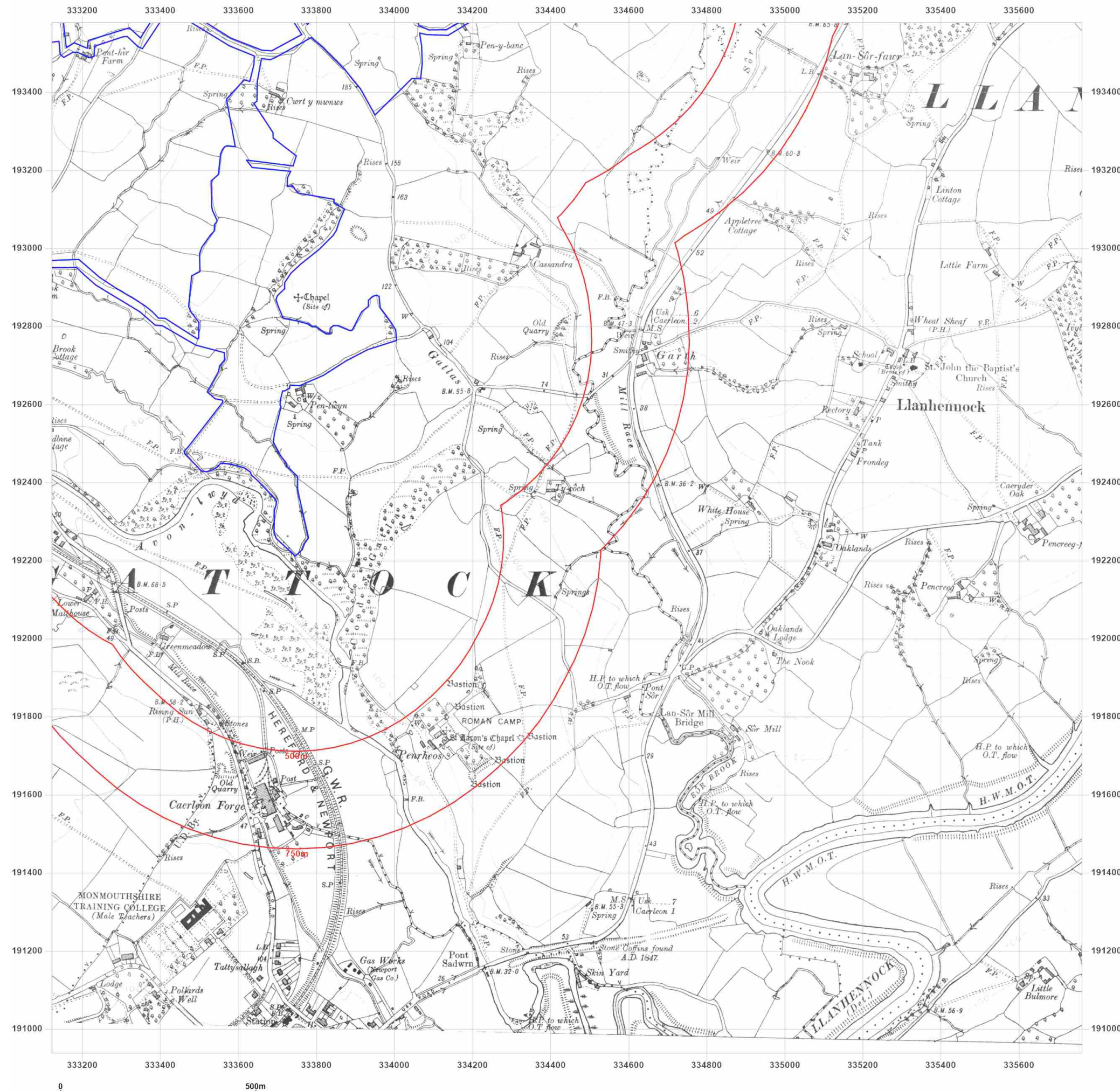


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: County Series

Map date: 1918

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1918
Edition N/A
Copyright N/A
Levelled N/A

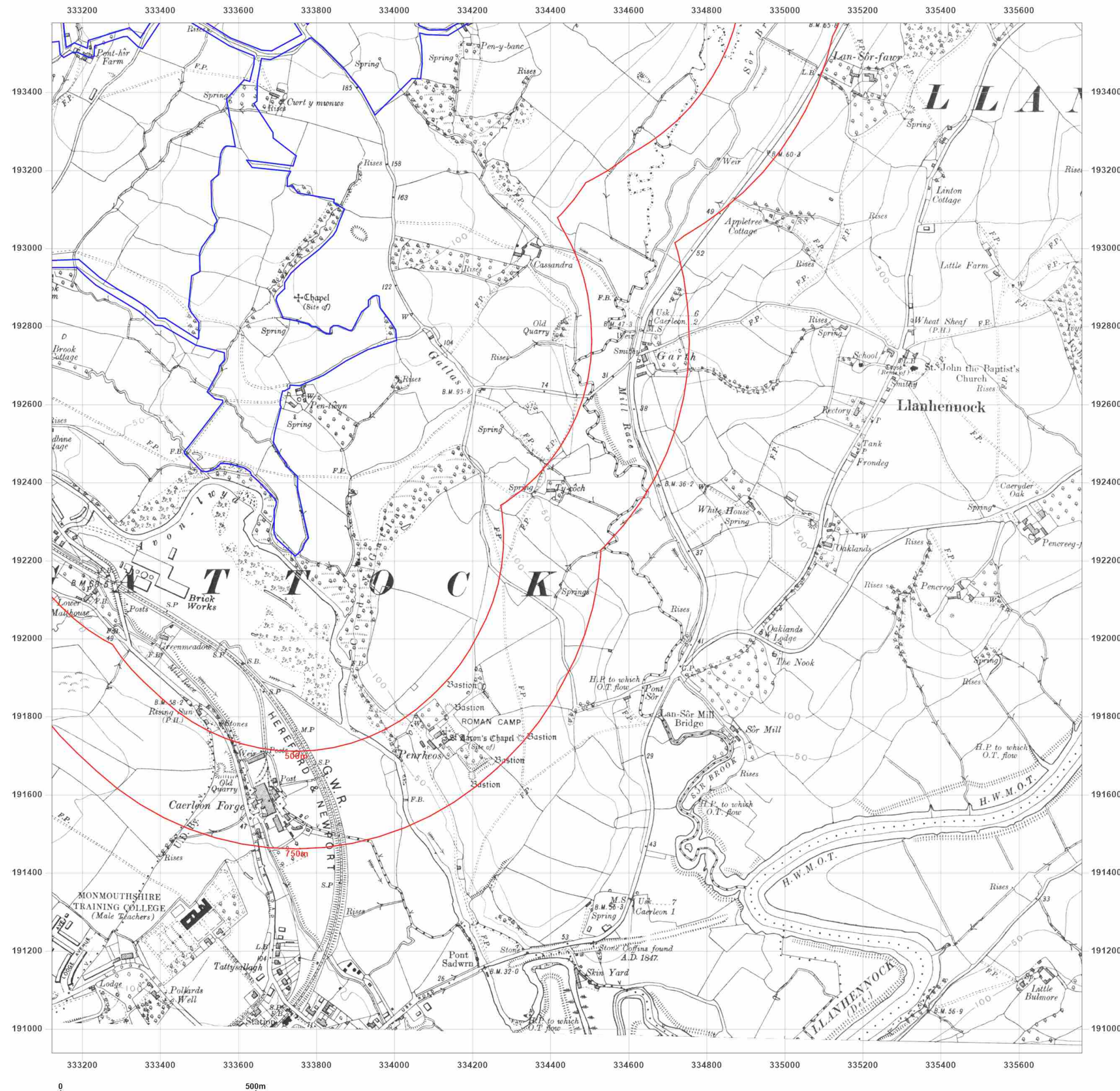


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: County Series
Map date: 1922
Scale: 1:10,560
Printed at: 1:10,560



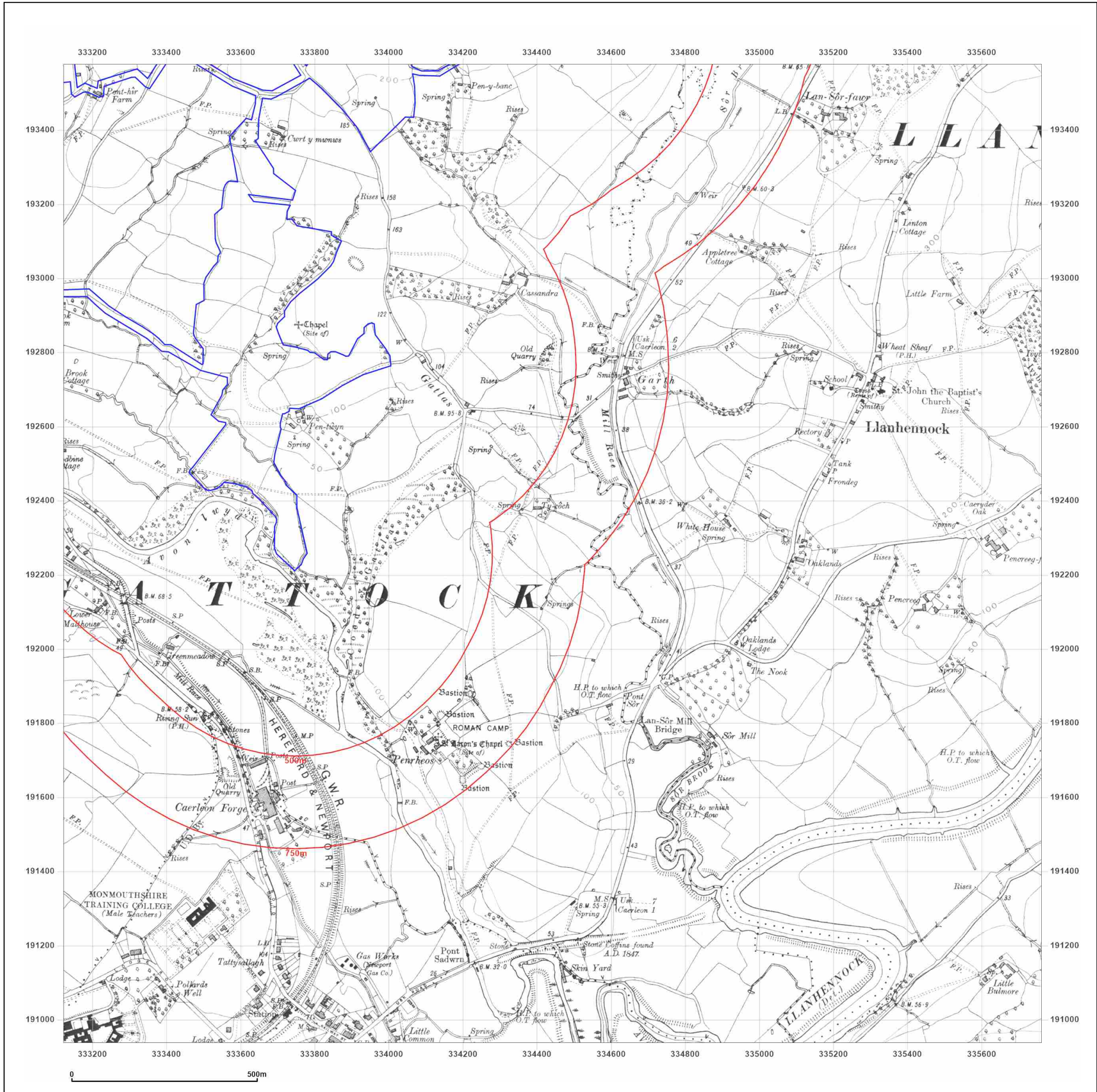
Surveyed 1881
Revised 1918
Edition 1922
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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: County Series

Map date: 1949

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1949
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1949
Edition N/A
Copyright N/A
Levelled N/A

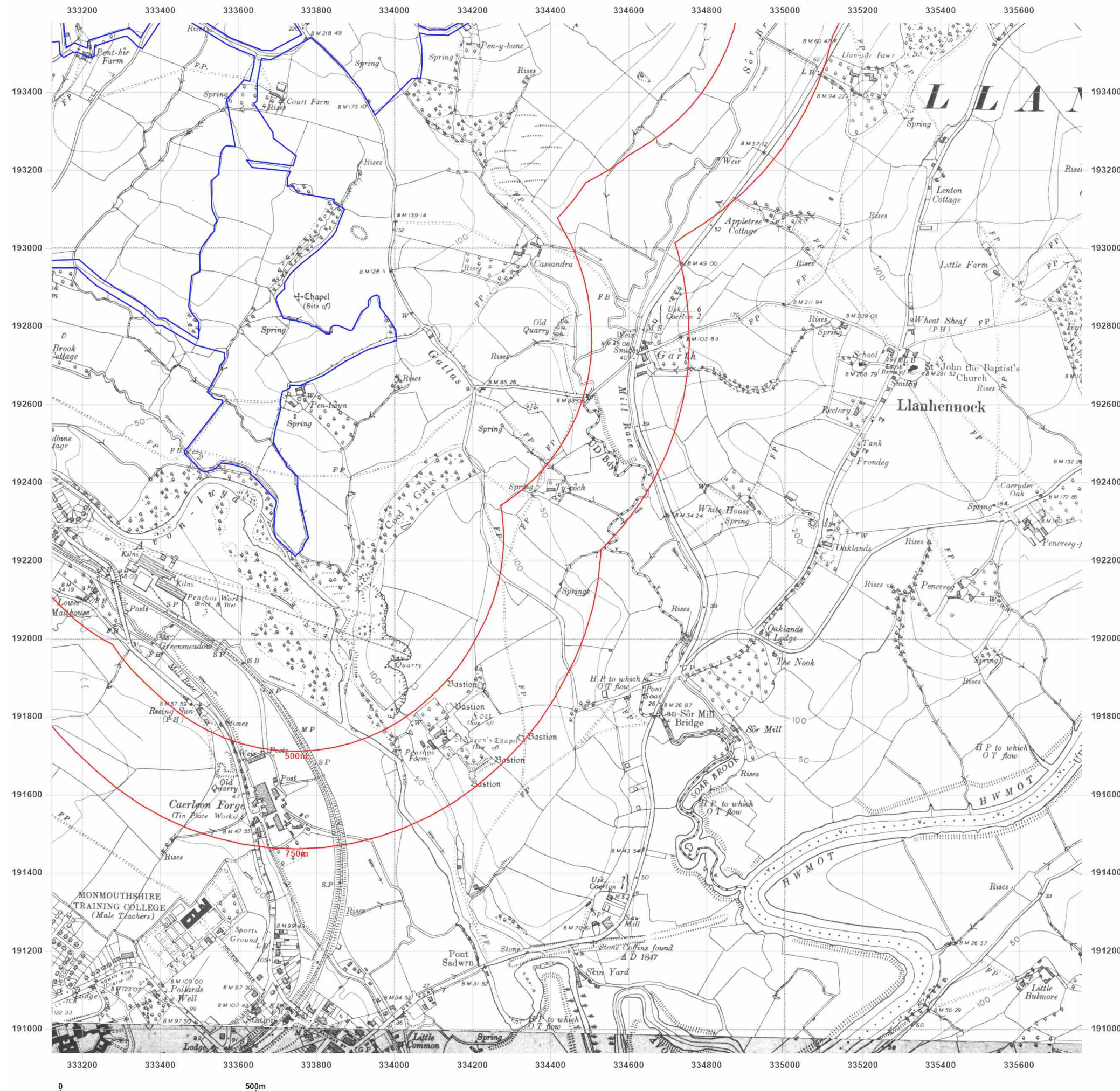


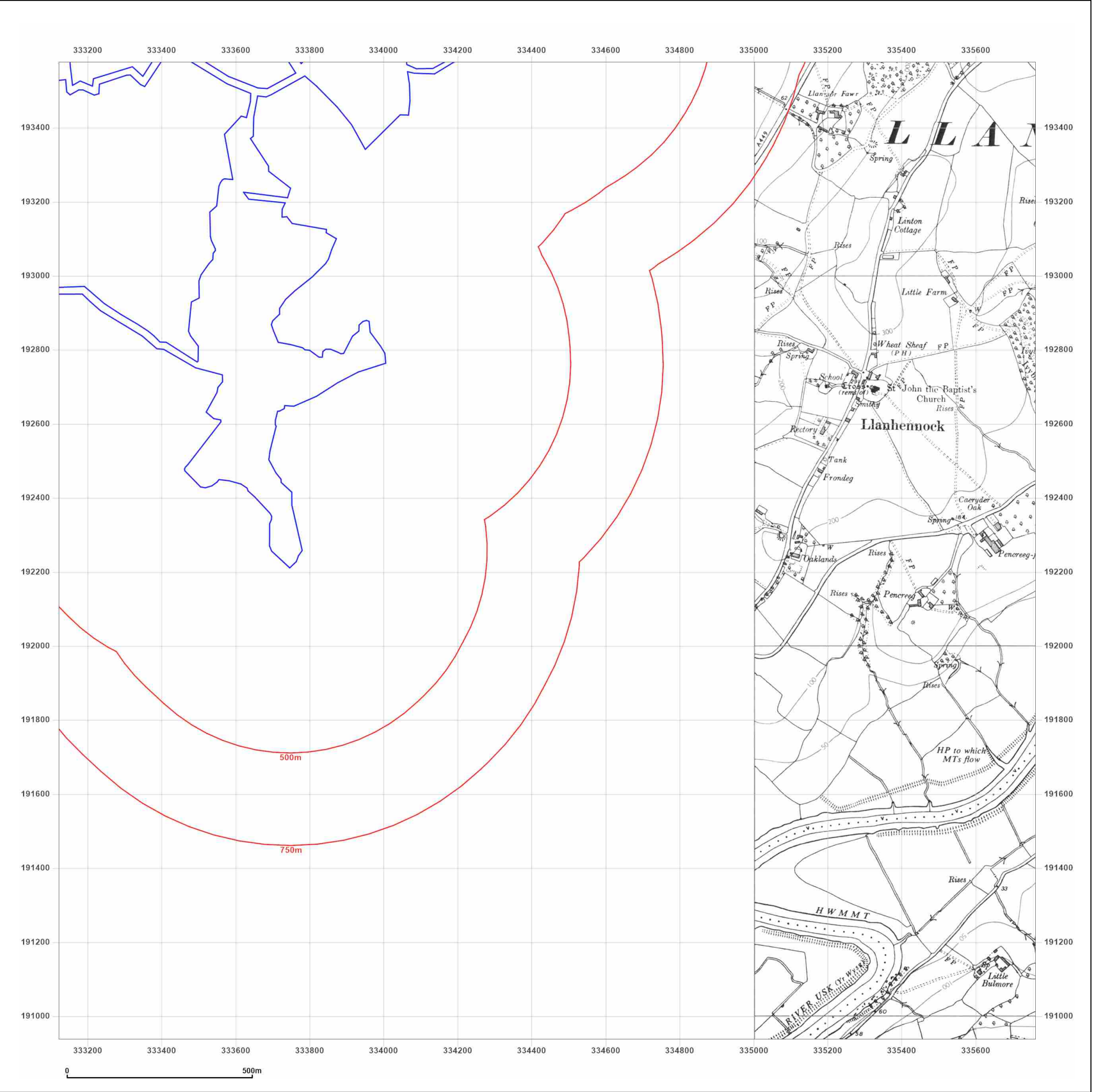
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Site Details:

Court Farm Solar

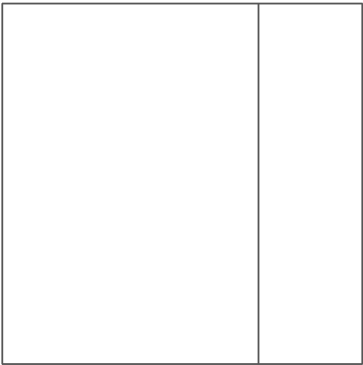
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Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: Provisional

Map date: 1949

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1949
Revised 1949
Edition N/A
Copyright N/A
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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

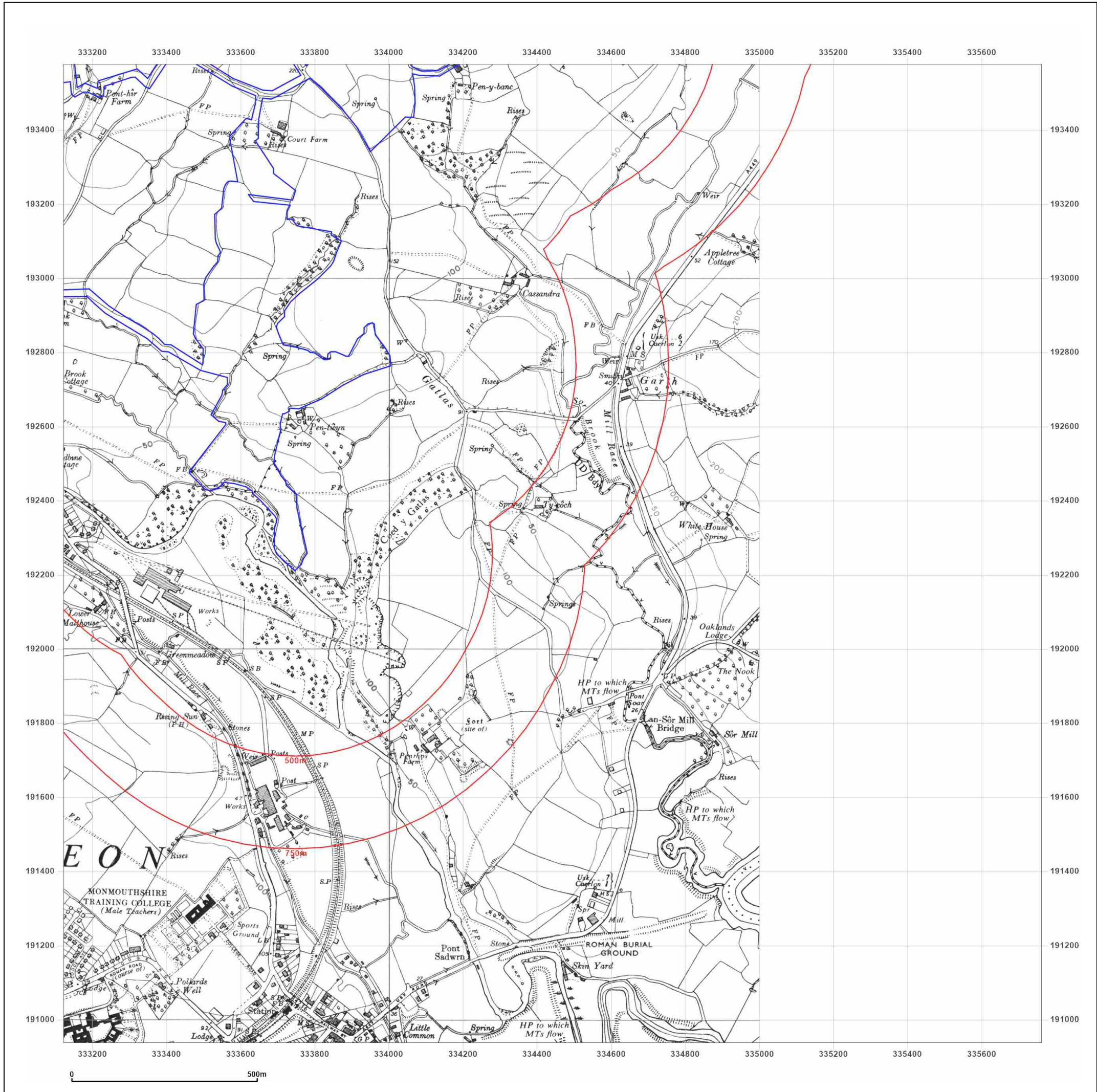
Map Name: Provisional
Map date: 1964
Scale: 1:10,560
Printed at: 1:10,560



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1964
Levelled N/A



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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: National Grid

Map date: 1970

Scale: 1:10,000

Printed at: 1:10,000



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

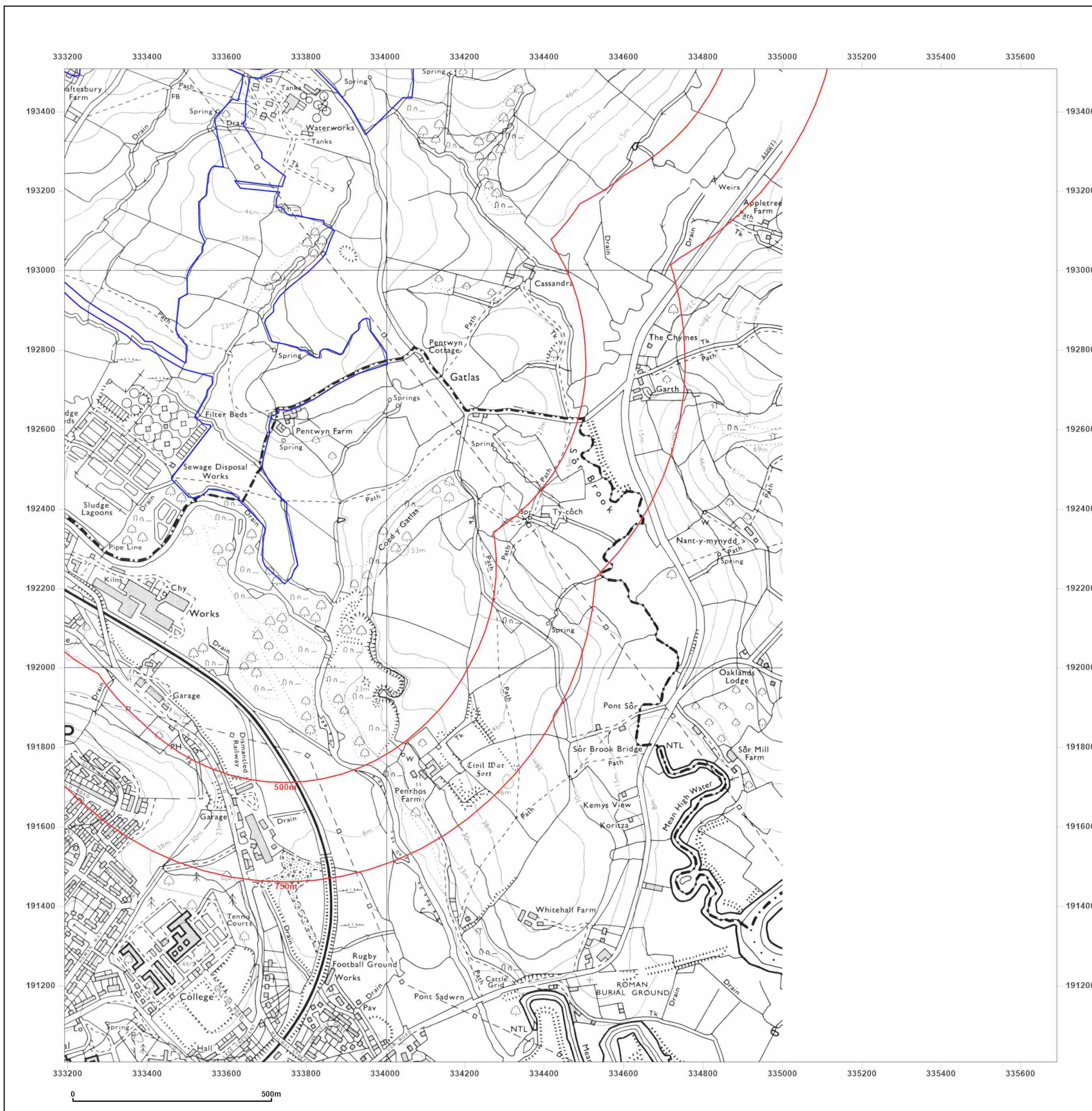


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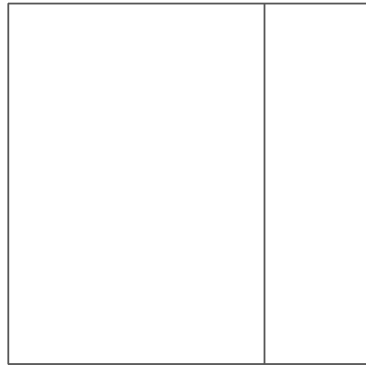
Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: Provisional
Map date: 1970
Scale: 1:10,560
Printed at: 1:10,560





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

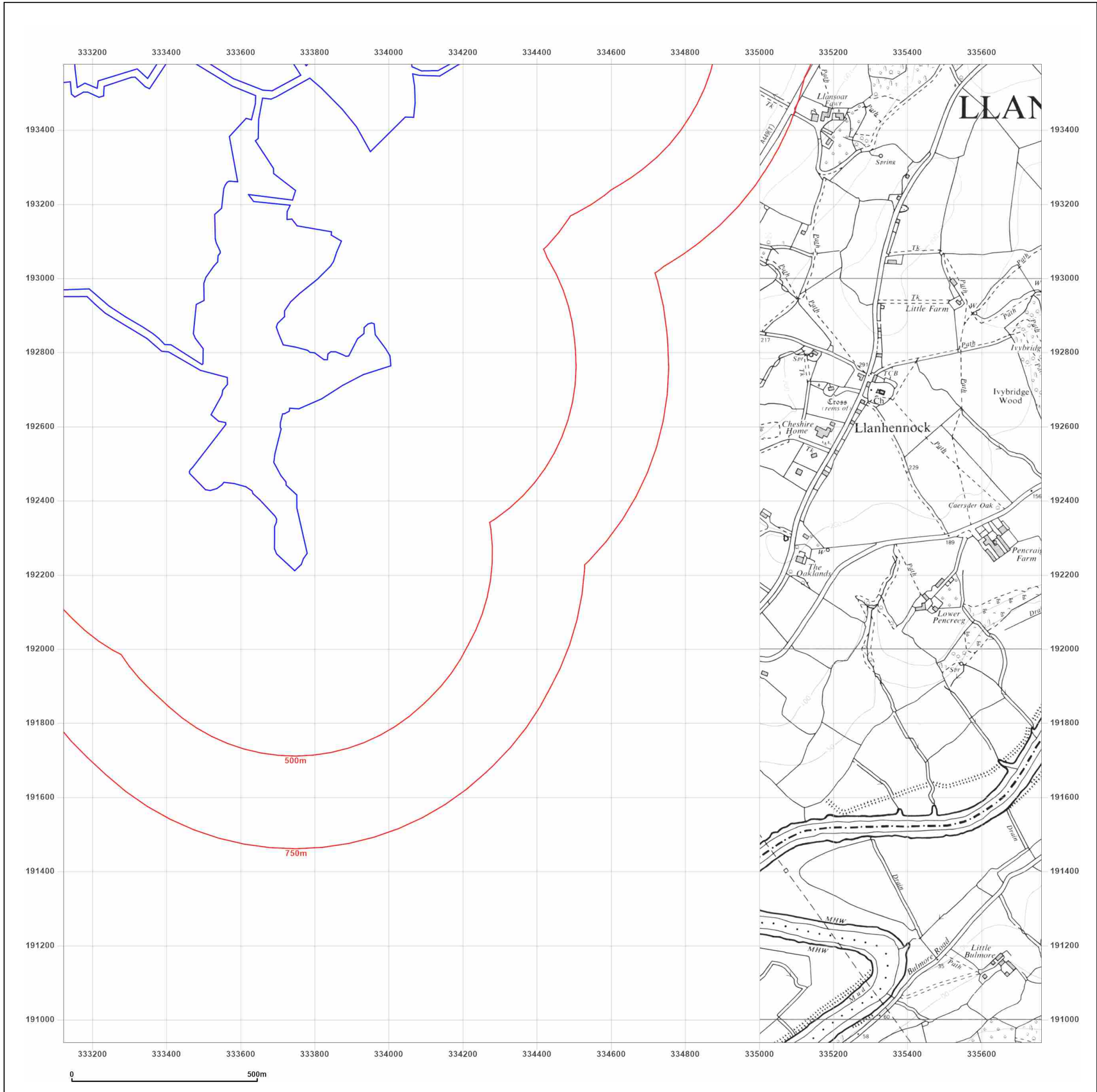


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: National Grid

Map date: 1977-1981

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1980
Revised 1981
Edition N/A
Copyright N/A
Levelled N/A

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

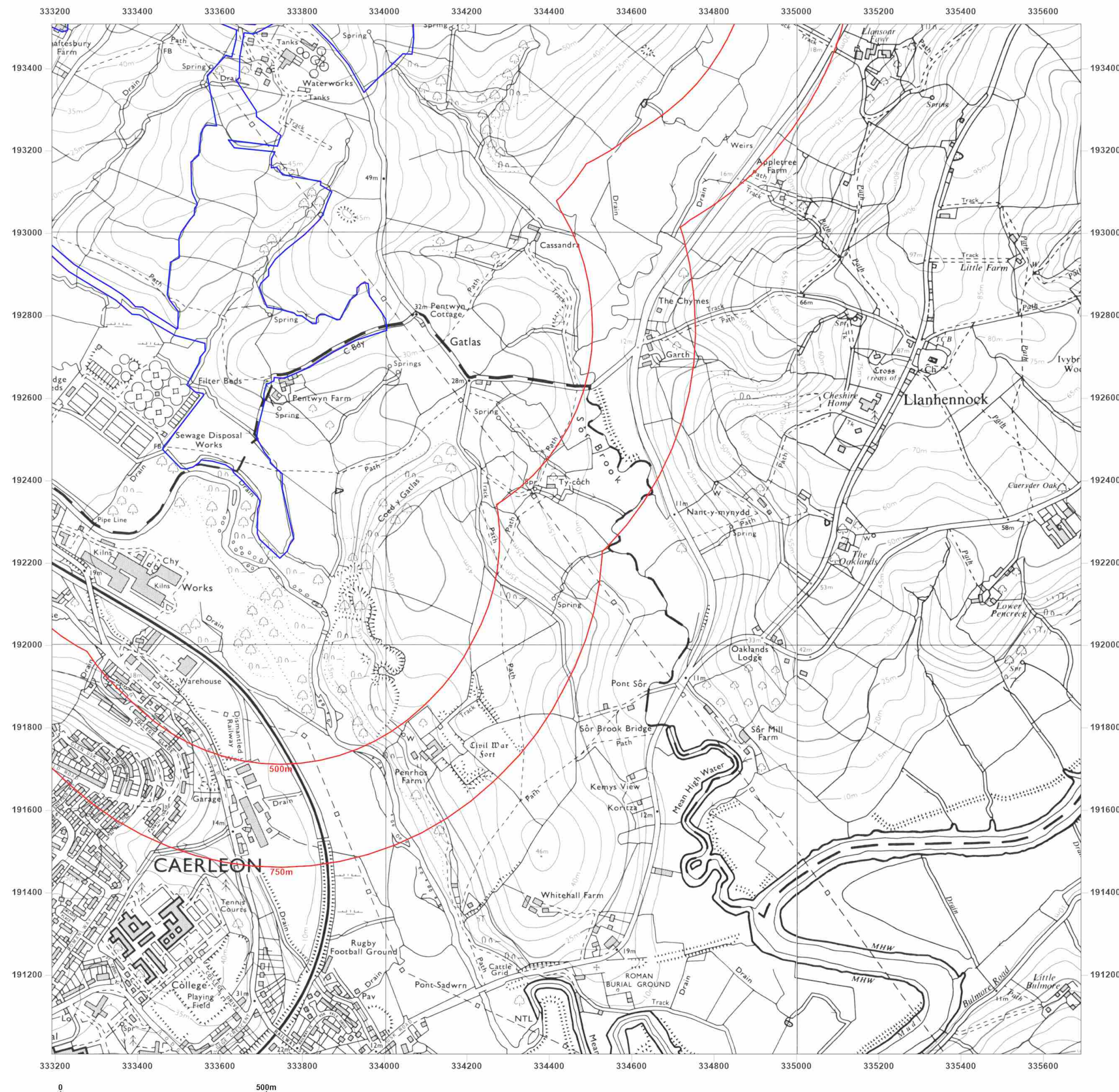


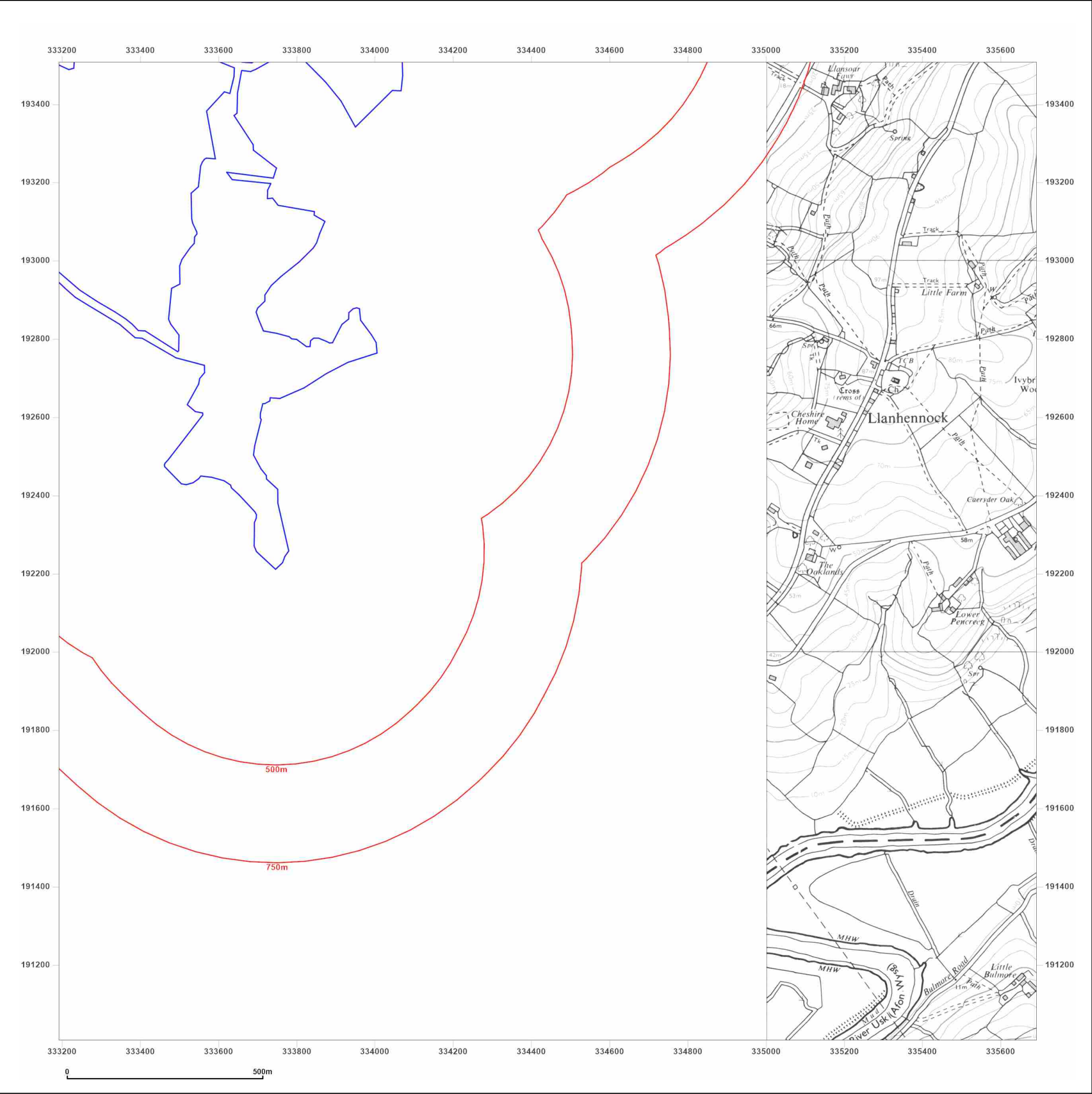
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Site Details:

Court Farm Solar

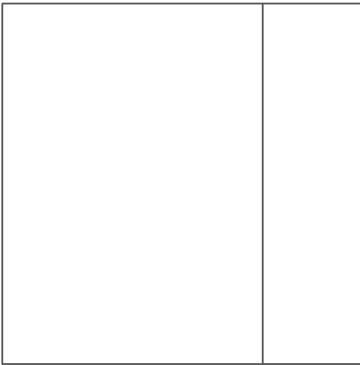
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Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: National Grid

Map date: 1988

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1976
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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



2001

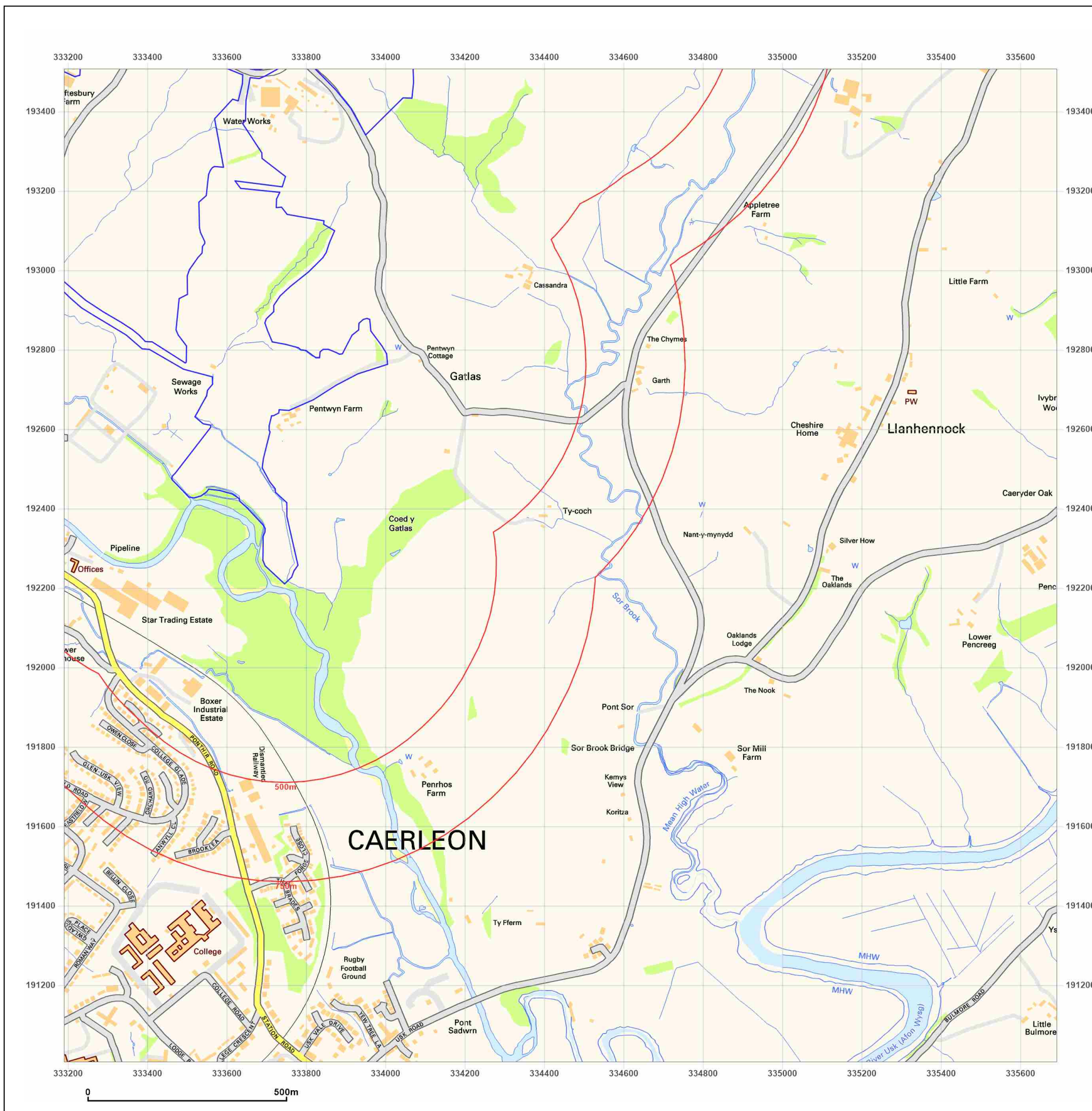


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



2010

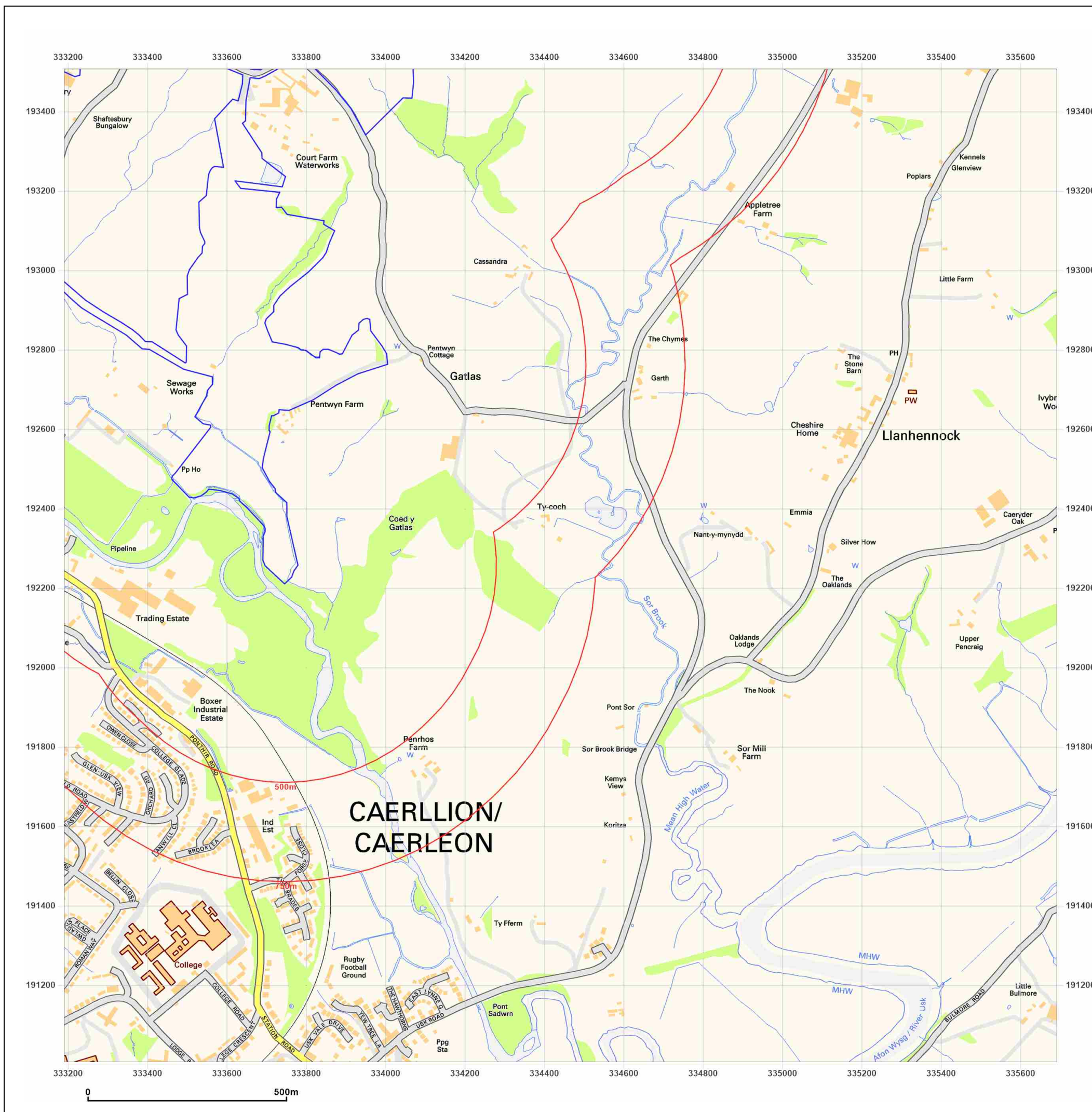


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_1
Grid Ref: 334441, 192257

Map Name: National Grid

Map date: 2025

Scale: 1:10,000

Printed at: 1:10,000



2025

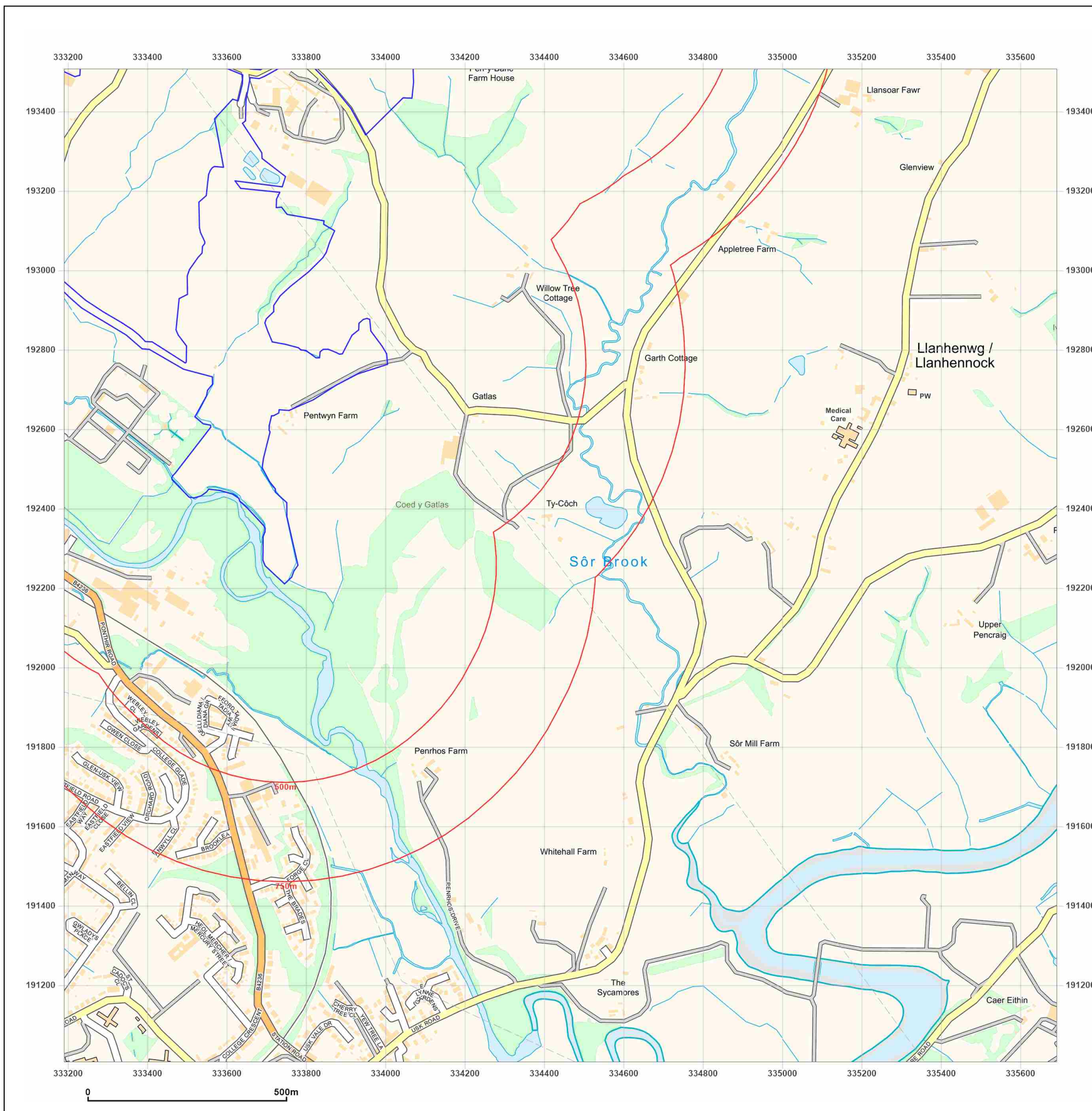


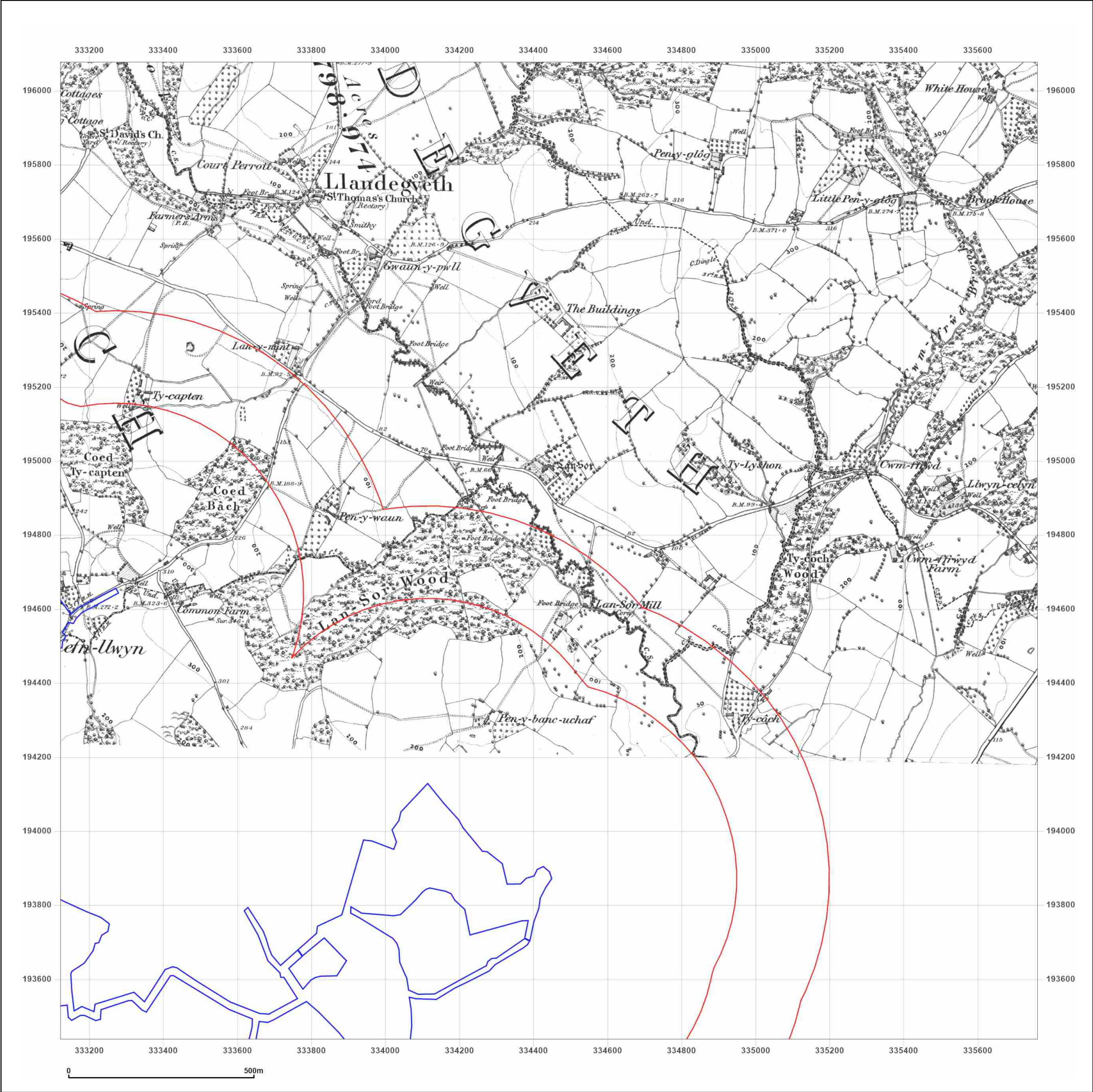
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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: County Series

Map date: 1881

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1881
Edition N/A
Copyright N/A
Levelled N/A



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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: County Series

Map date: 1881-1882

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1881
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1882
Revised 1882
Edition N/A
Copyright N/A
Levelled N/A

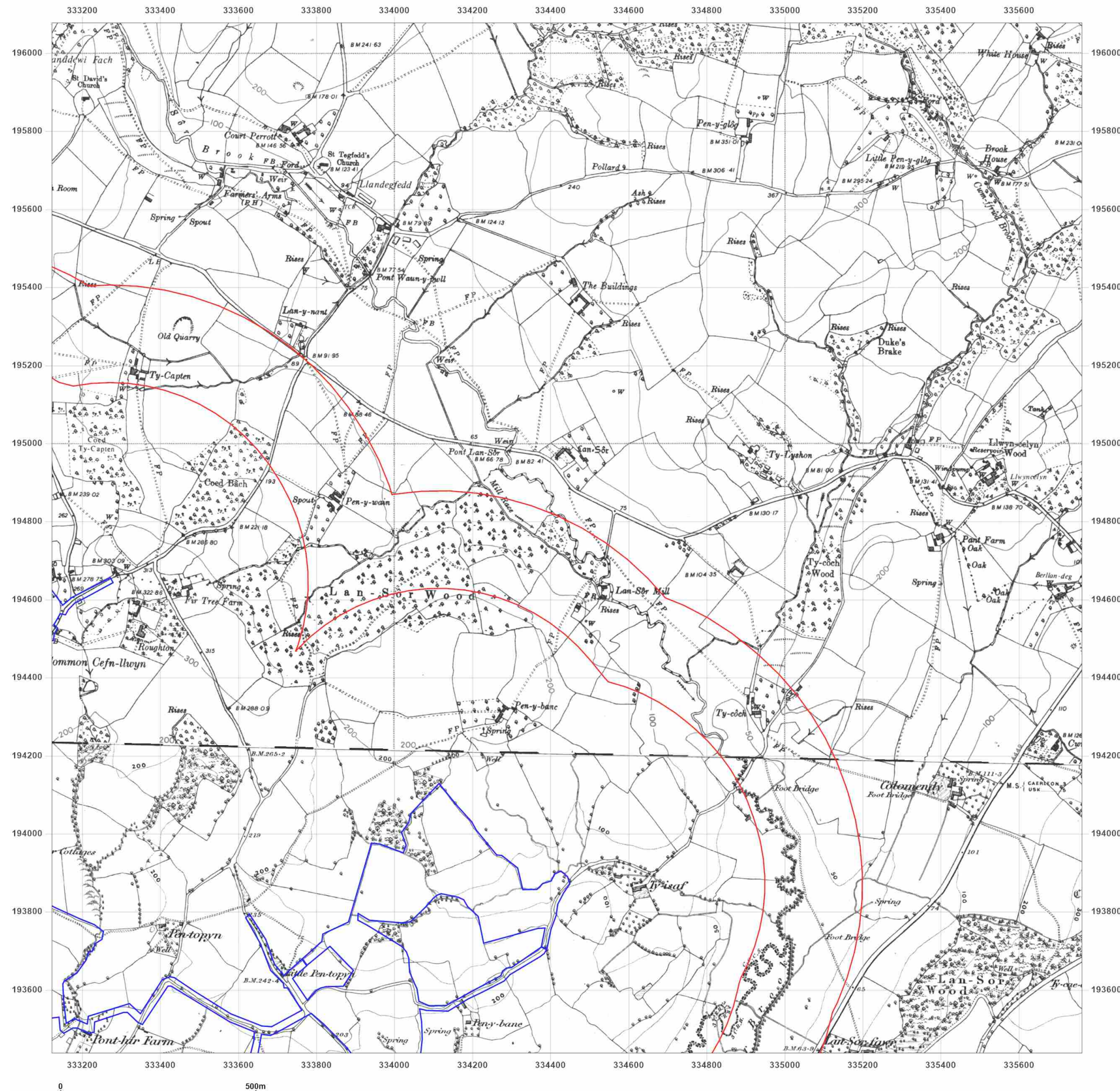


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Site Details:

Court Farm Solar

Client Ref:

P02166097

Report Ref:

GS-J6D-T89-7G2-1ZY_SS_2_2

Grid Ref:

334441, 194757

Map Name:

County Series

Map date:

1900-1902

Scale:

1:10,560

Printed at:

1:10,560



Surveyed 1881
Revised 1902
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

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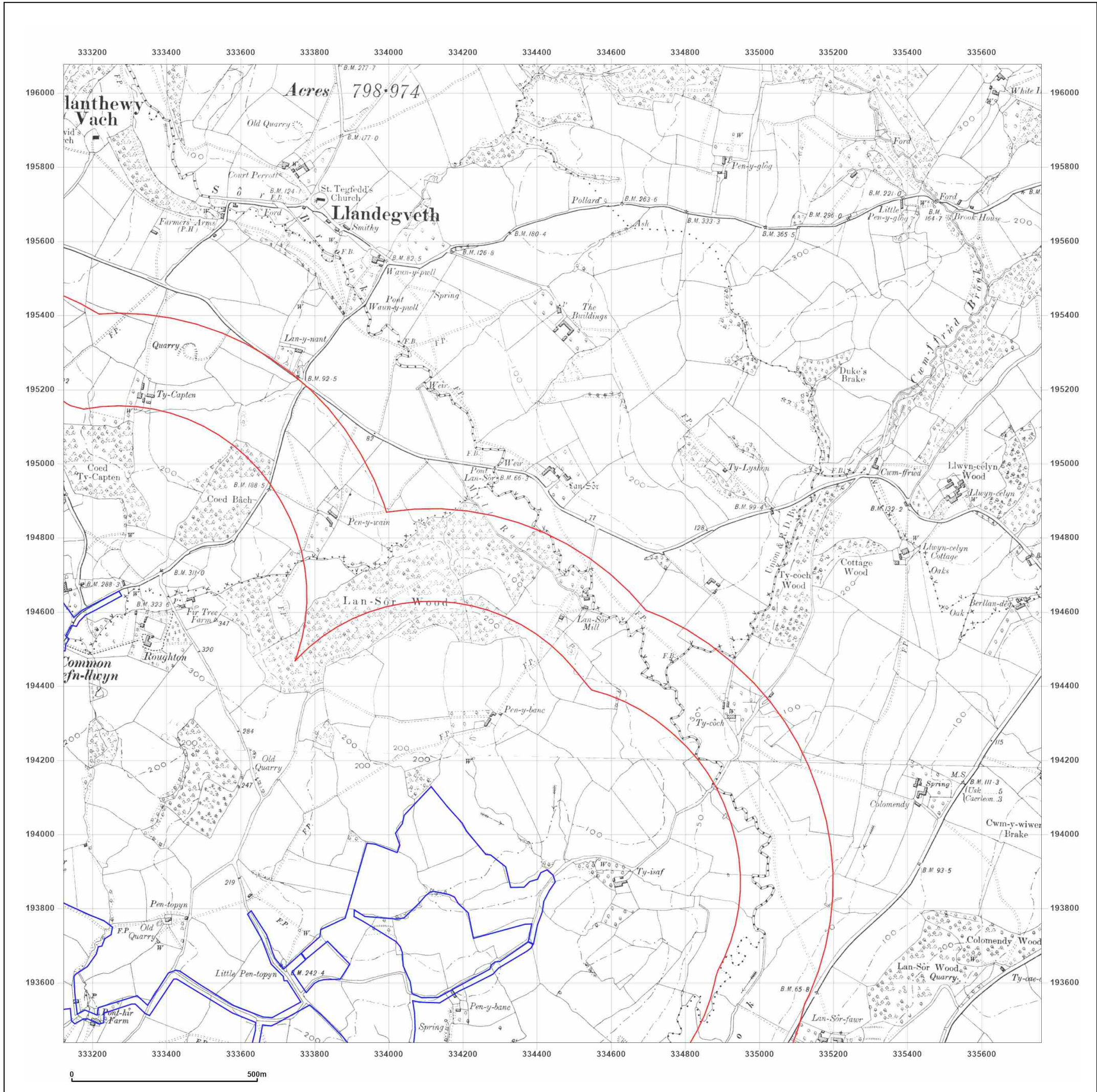
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Production date: 11 September 2025

Map legend available at:
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Site Details:

Court Farm Solar

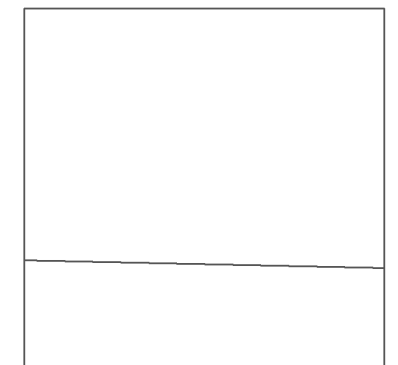
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Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: County Series

Map date: 1922

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

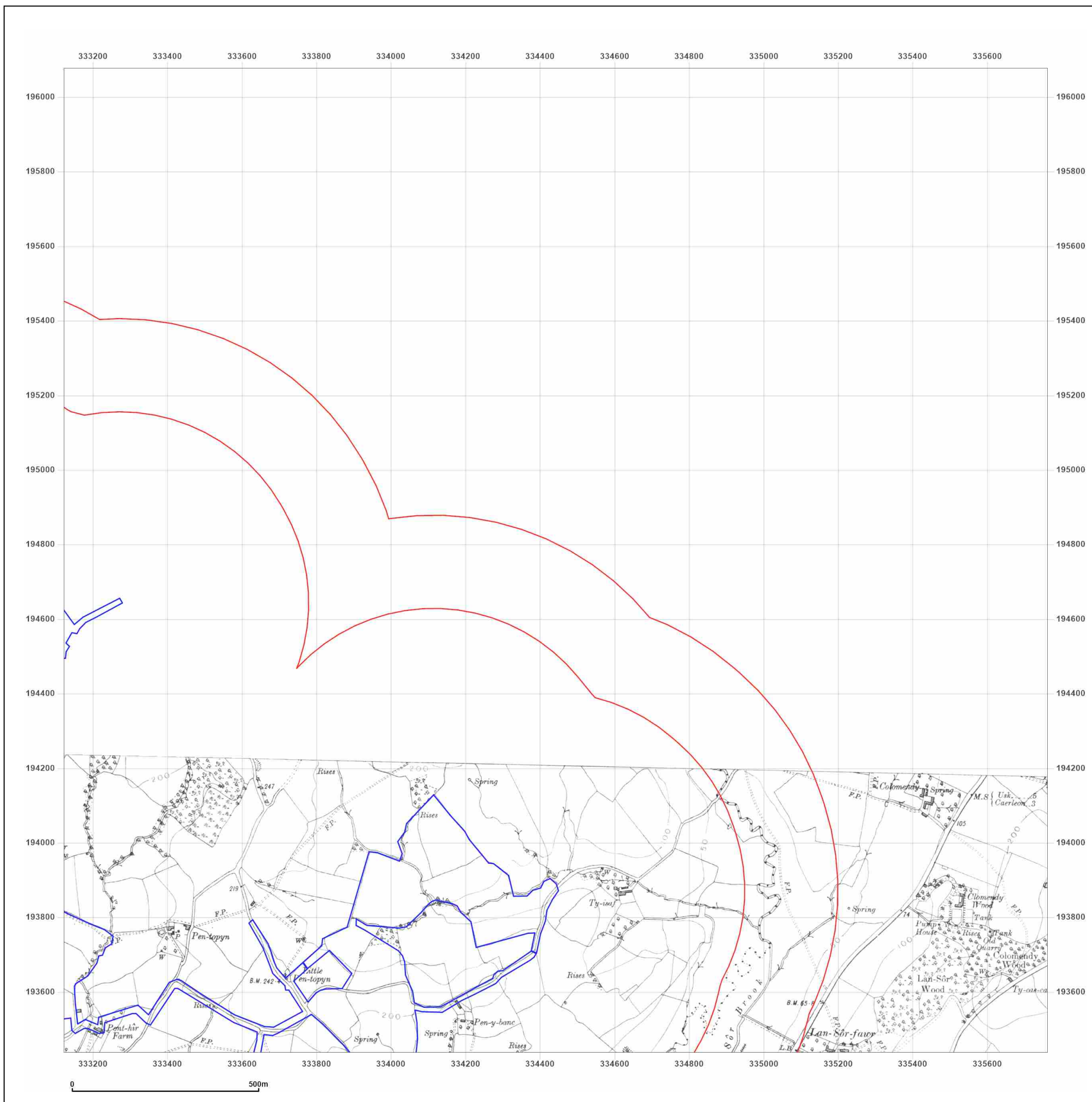


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: County Series

Map date: 1918-1922

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1918
Edition N/A
Copyright N/A
Levelled N/A

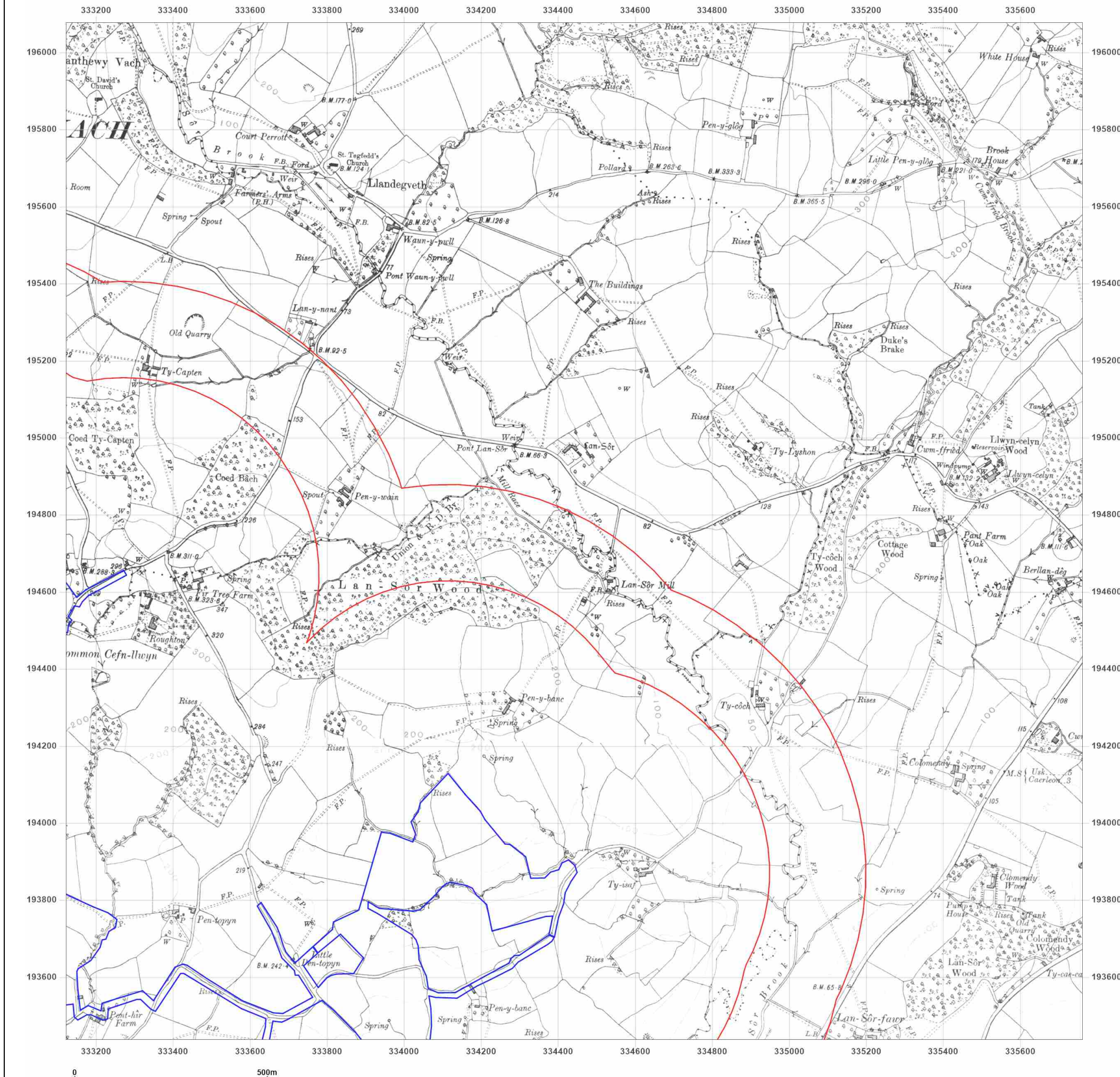


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Site Details:

Court Farm Solar

Client Ref:

P02166097

Report Ref:

GS-J6D-T89-7G2-1ZY_SS_2_2

Grid Ref:

334441, 194757

Map Name:

County Series

Map date:

1949

Scale:

1:10,560

Printed at:

1:10,560

N

W

E

S

Surveyed 1881

Revised 1949

Edition N/A

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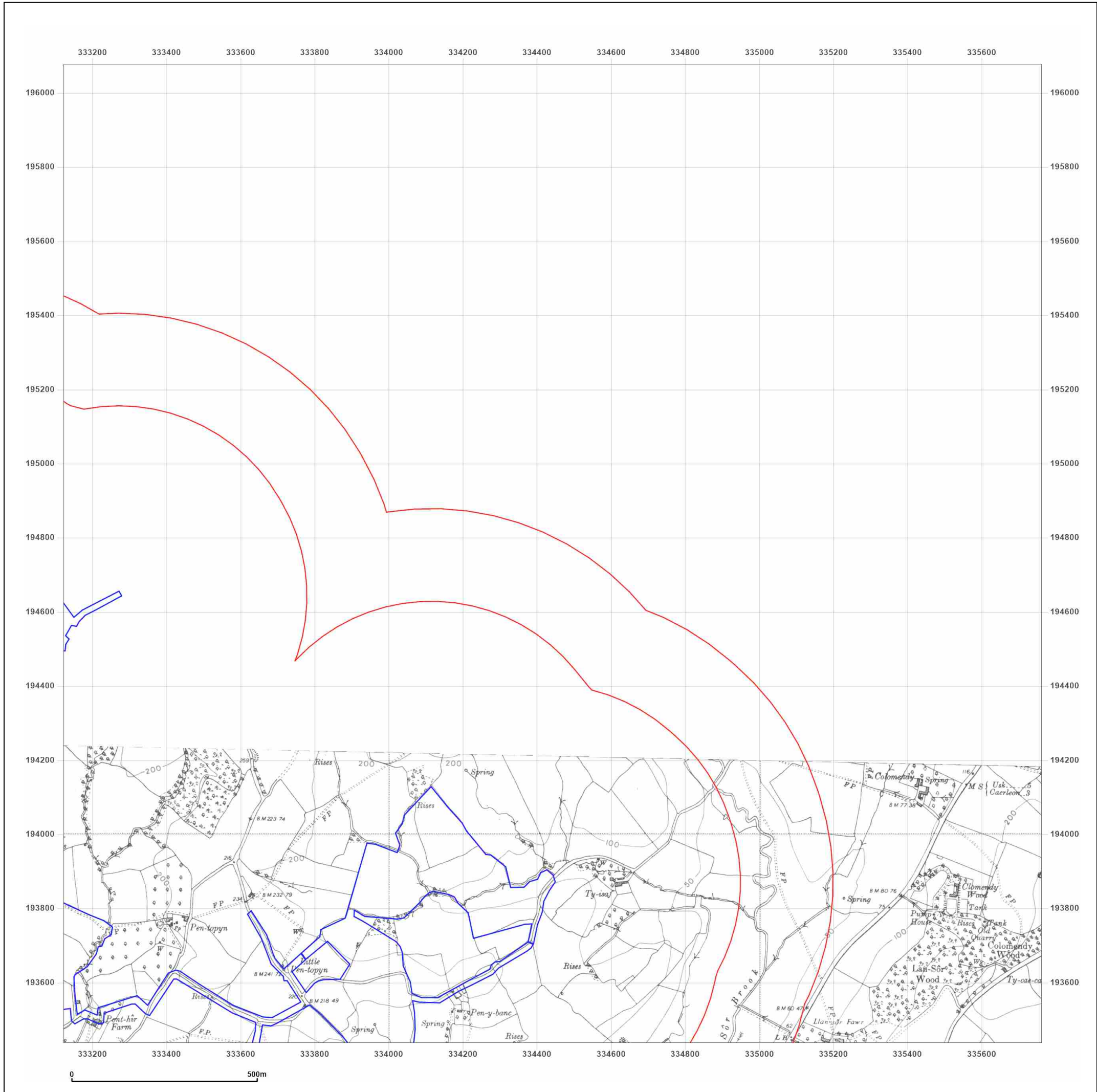
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The figure is a topographic map of the Court Farm Solar area. It features a grid with Easting coordinates (333200 to 335600) and Northing coordinates (193600 to 196000). The map shows contour lines, a blue boundary line, and various geographical features like 'Pen-y-banc', 'Ty-isa', and 'Sôr Brook'. A scale bar at the bottom left indicates 0 to 500m.

Site Details:

Court Farm Solar

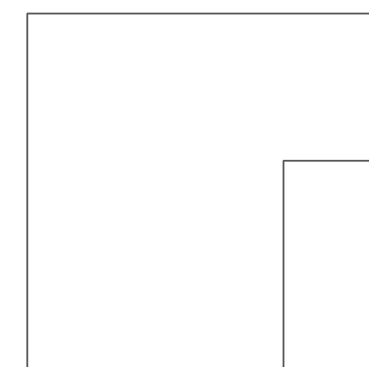
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Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: Provisional

Map date: 1949

Scale: 1:10,560

Printed at: 1:10,560



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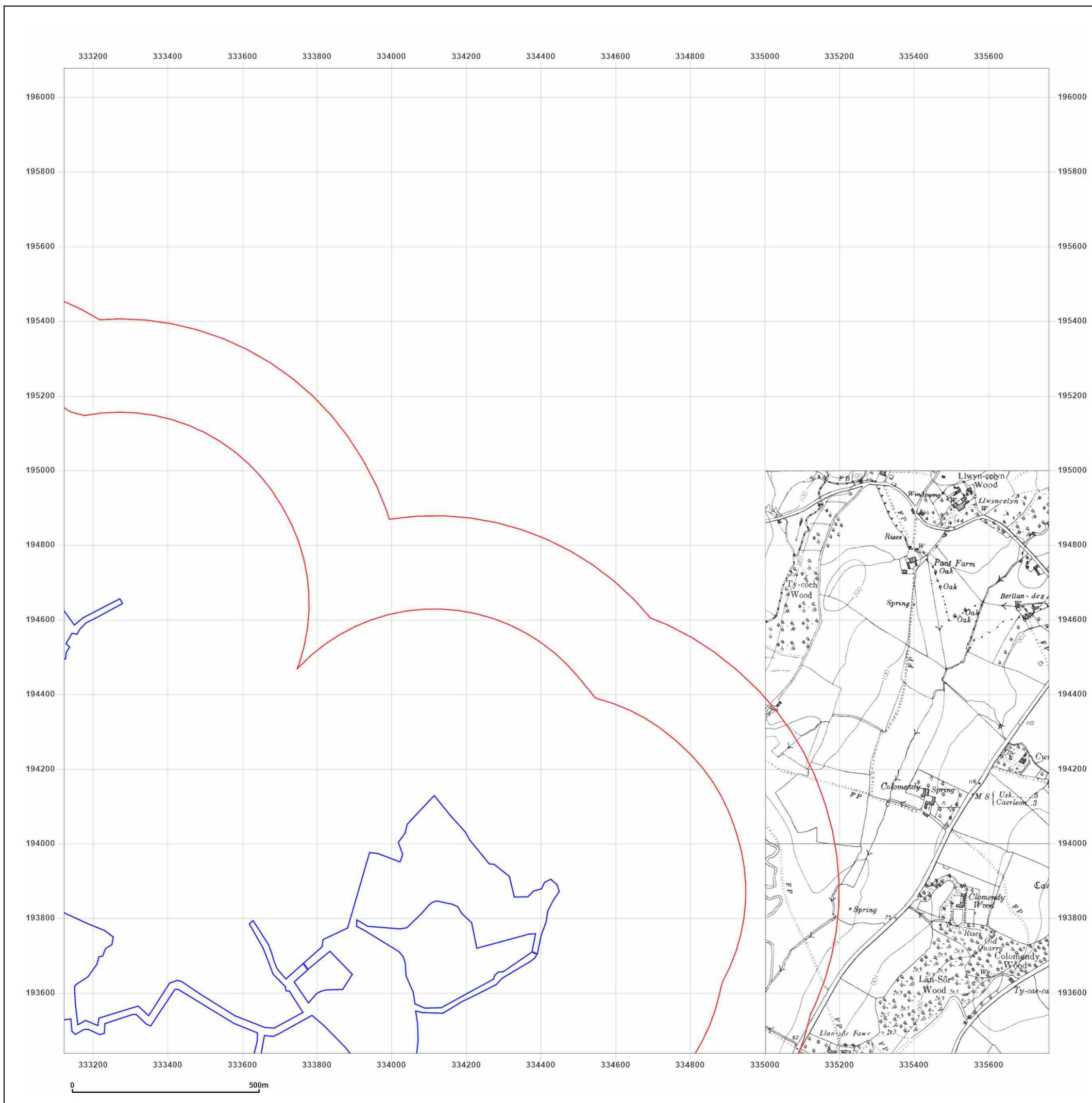


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: Provisional

Map date: 1964

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1949
Revised 1964
Edition N/A
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Surveyed N/A
Revised 1964
Edition 1964
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Surveyed N/A
Revised N/A
Edition N/A
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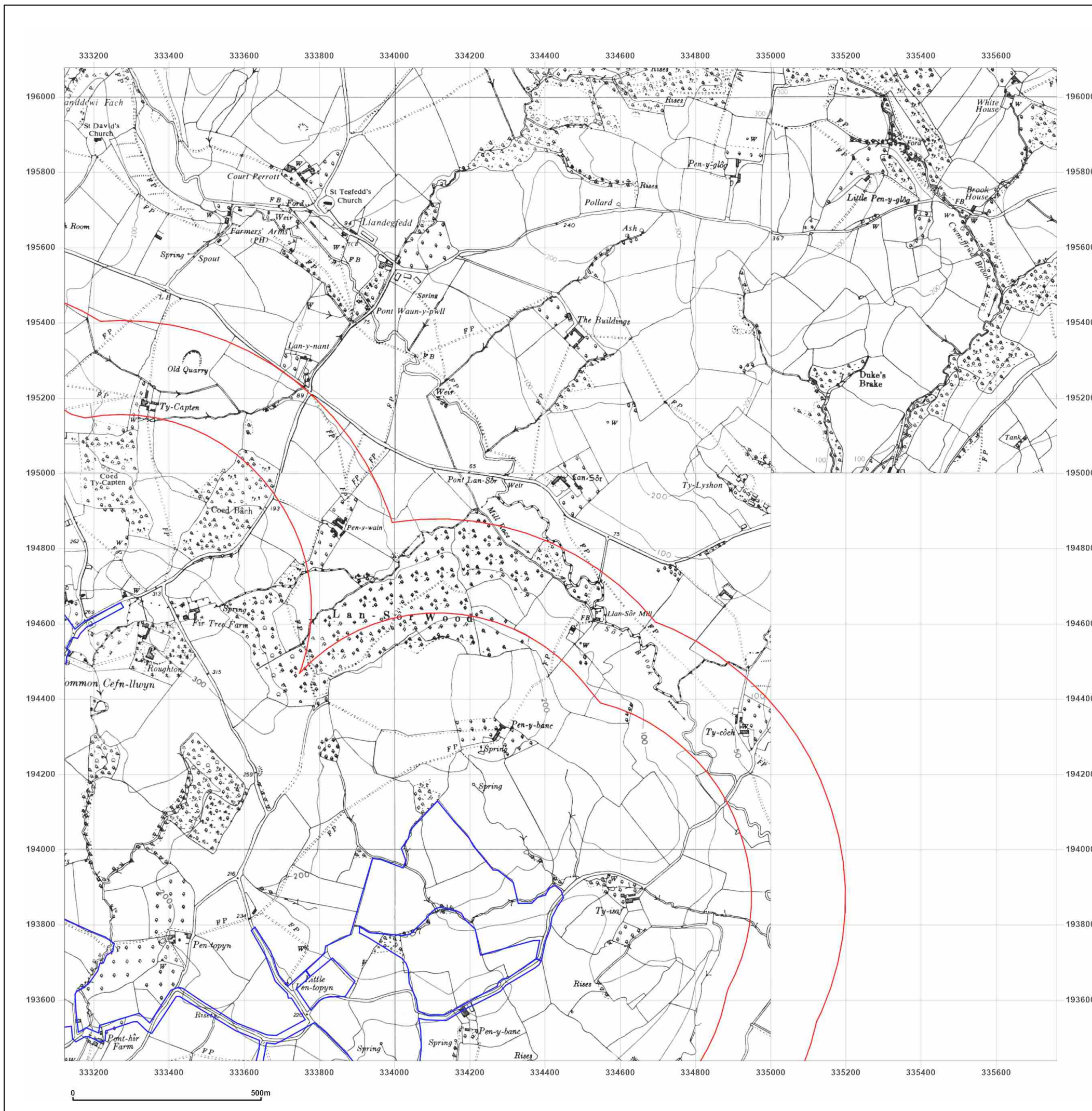


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Site Details:

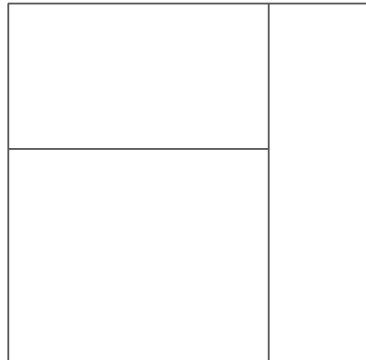
Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: National Grid
Map date: 1970
Scale: 1:10,000
Printed at: 1:10,000



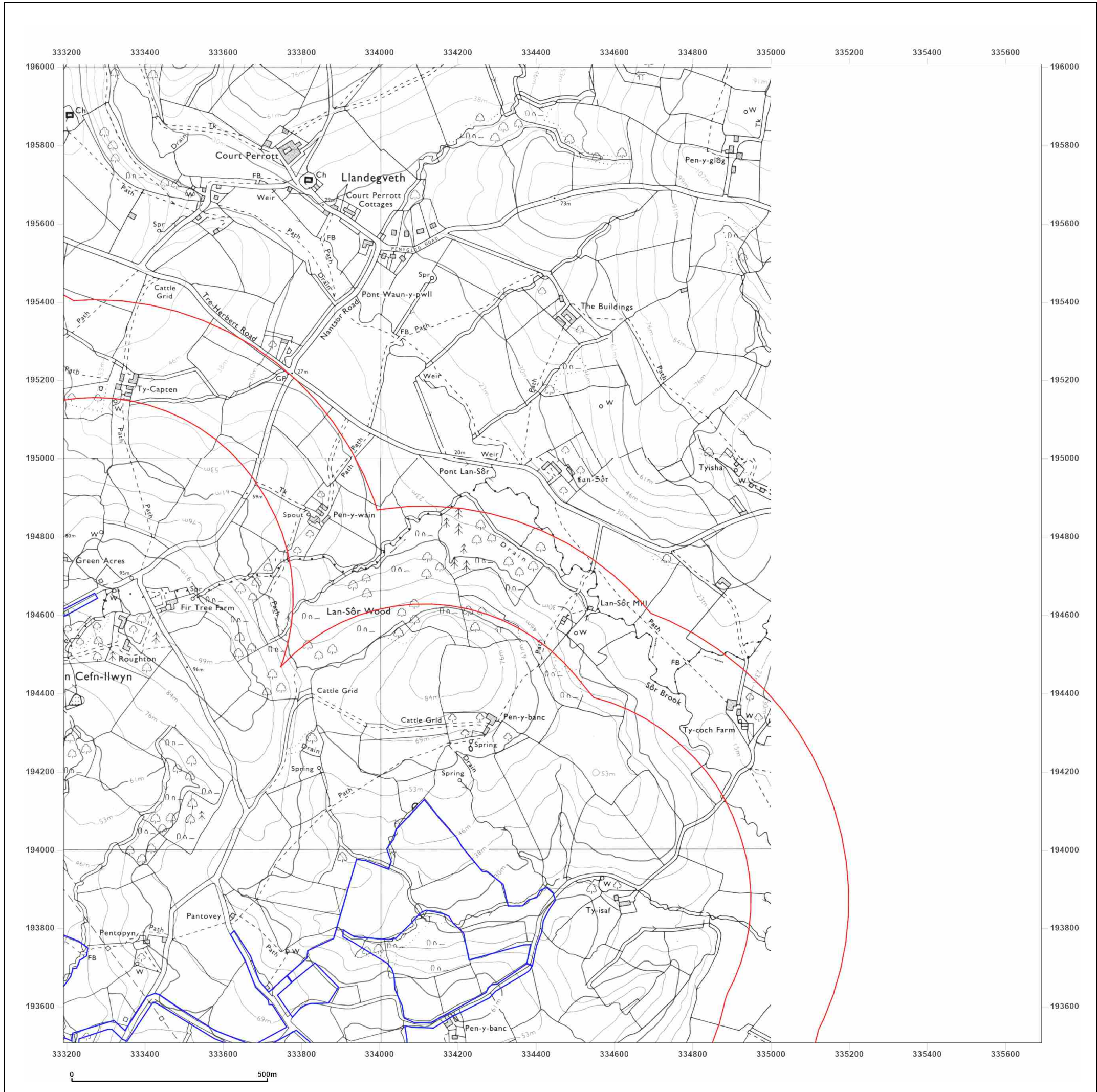
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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: Provisional

Map date: 1970-1971

Scale: 1:10,560

Printed at: 1:10,560



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Revised 1970
Edition N/A
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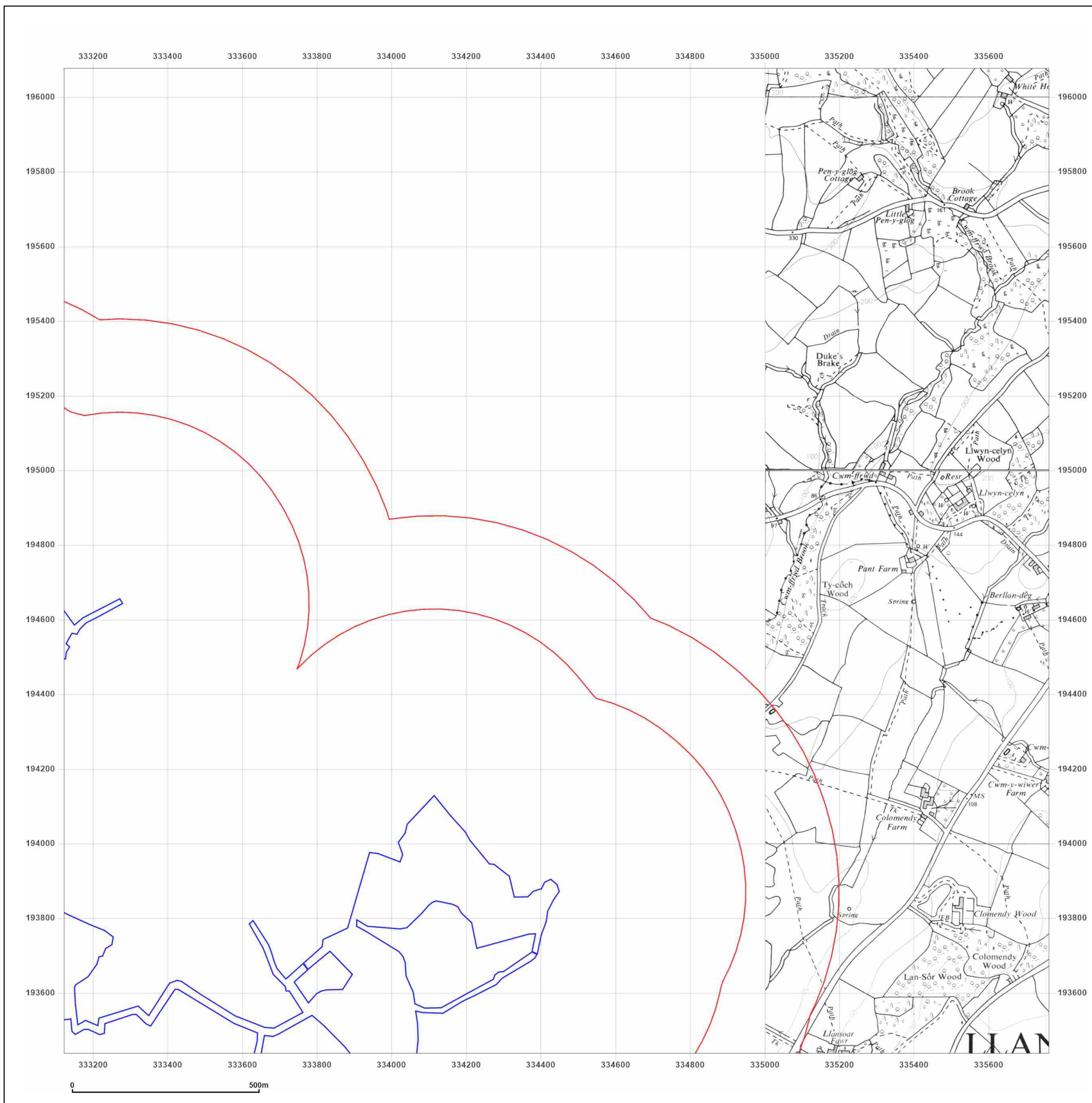


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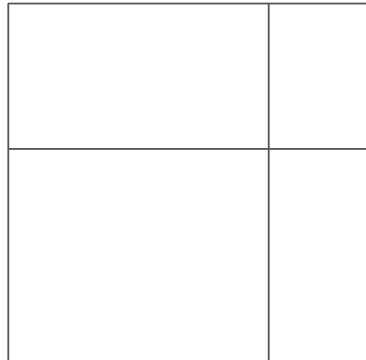
Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: National Grid
Map date: 1977-1981
Scale: 1:10,000
Printed at: 1:10,000



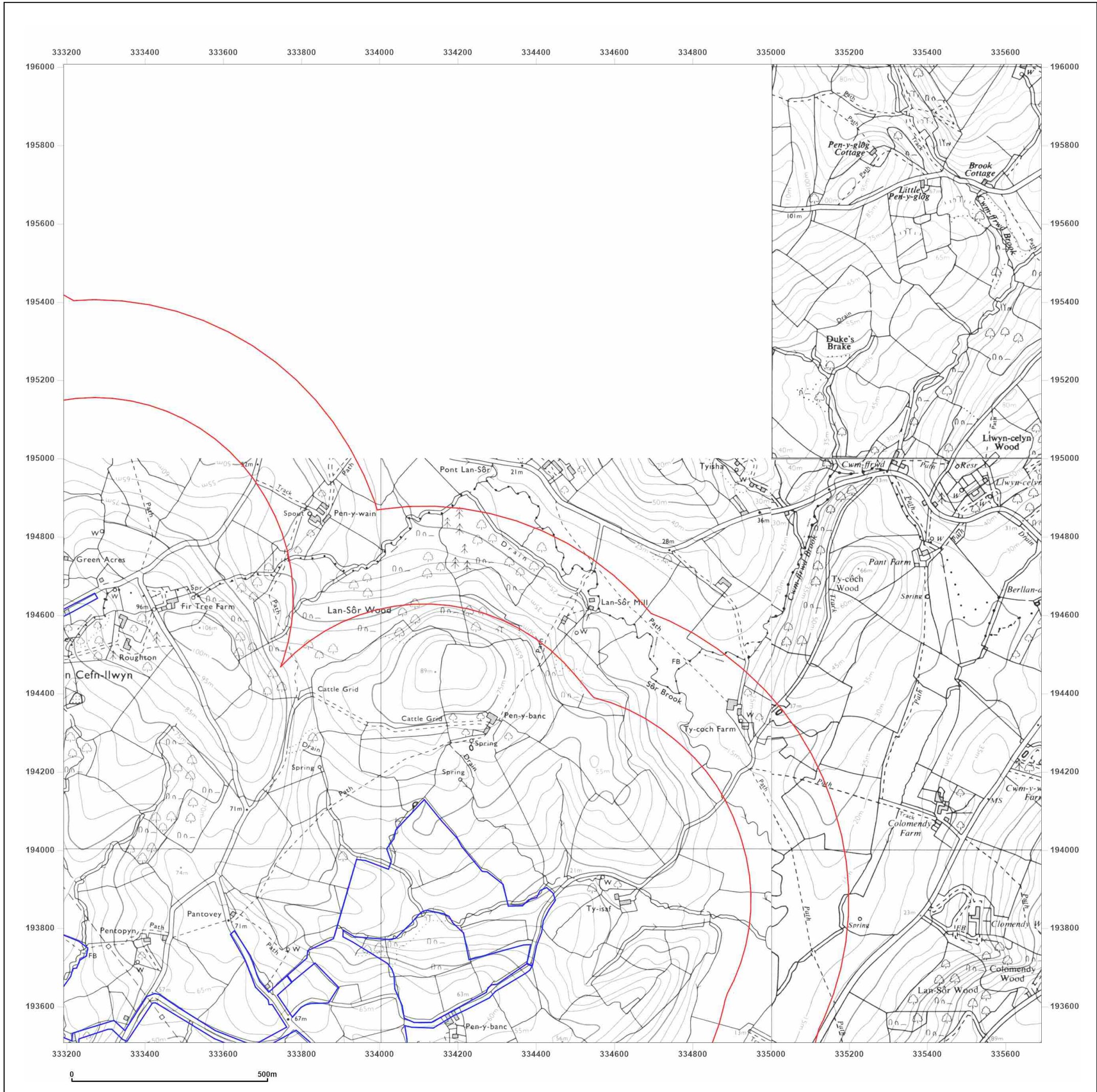
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Revised 1977
Edition N/A
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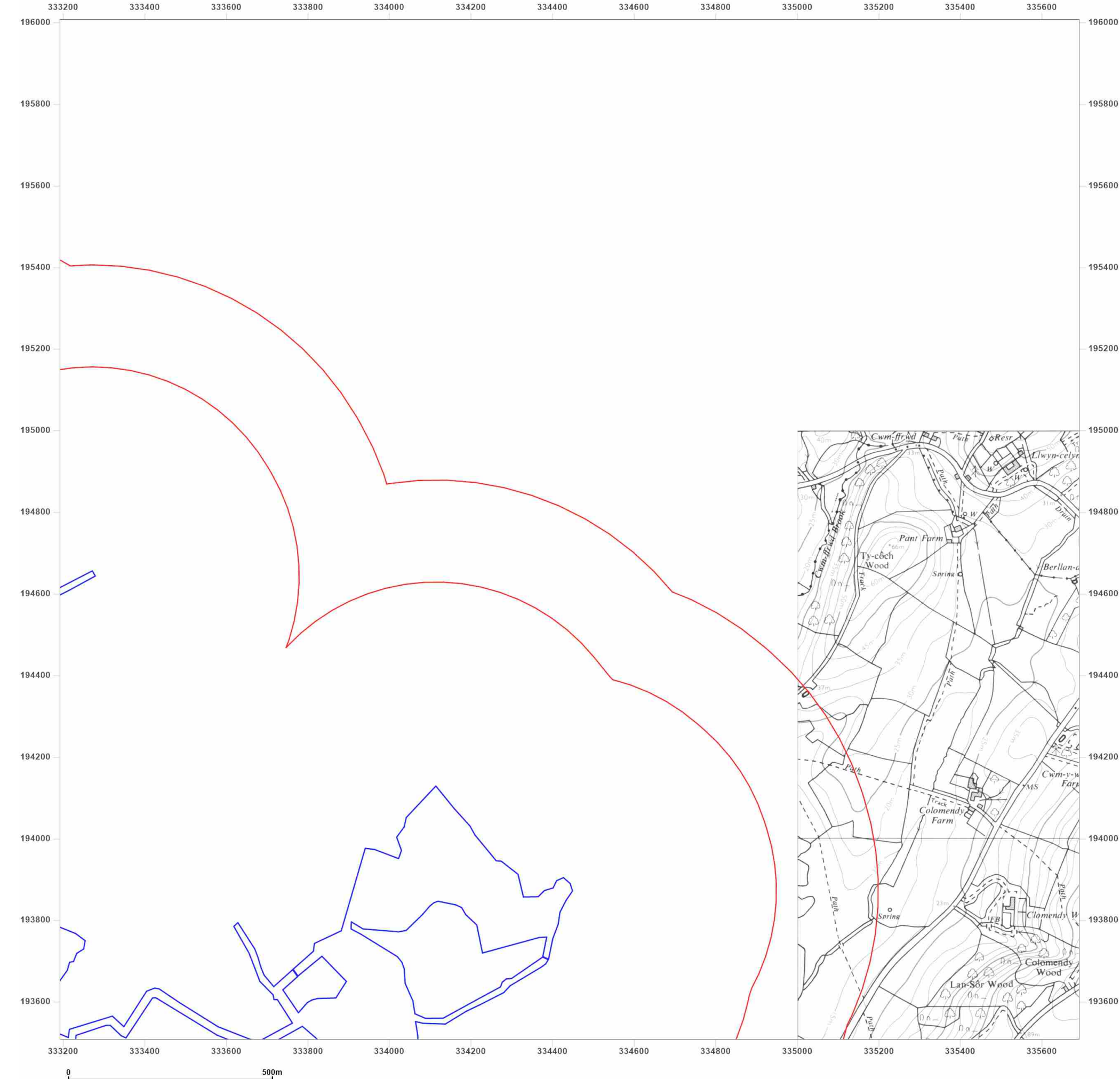


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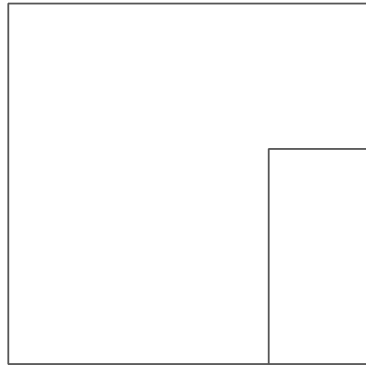
Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: National Grid
Map date: 1988
Scale: 1:10,000
Printed at: 1:10,000





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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: National Grid

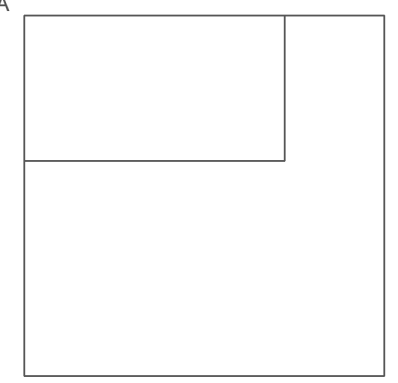
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Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1968
Revised 1994
Edition N/A
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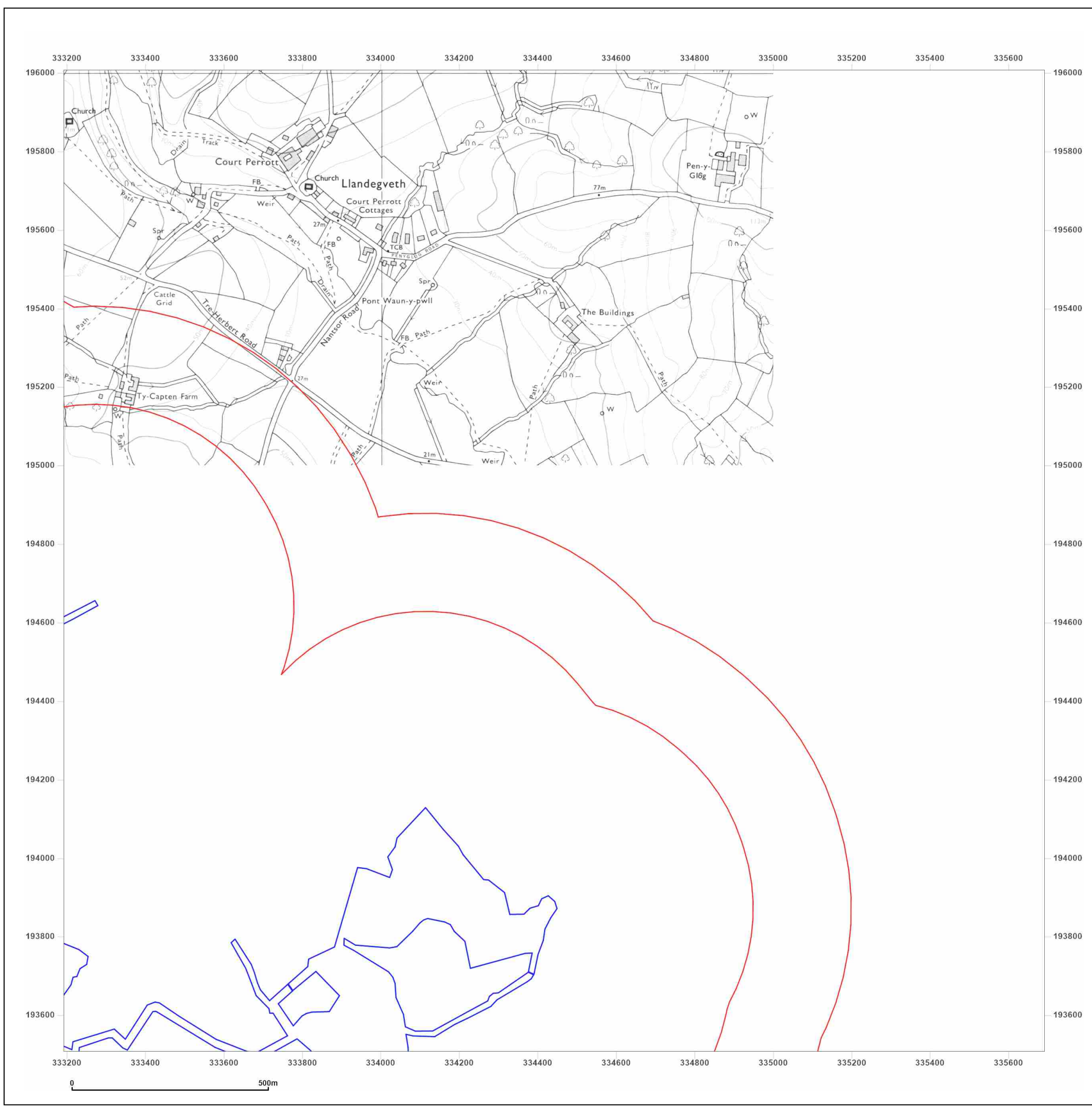


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



2001

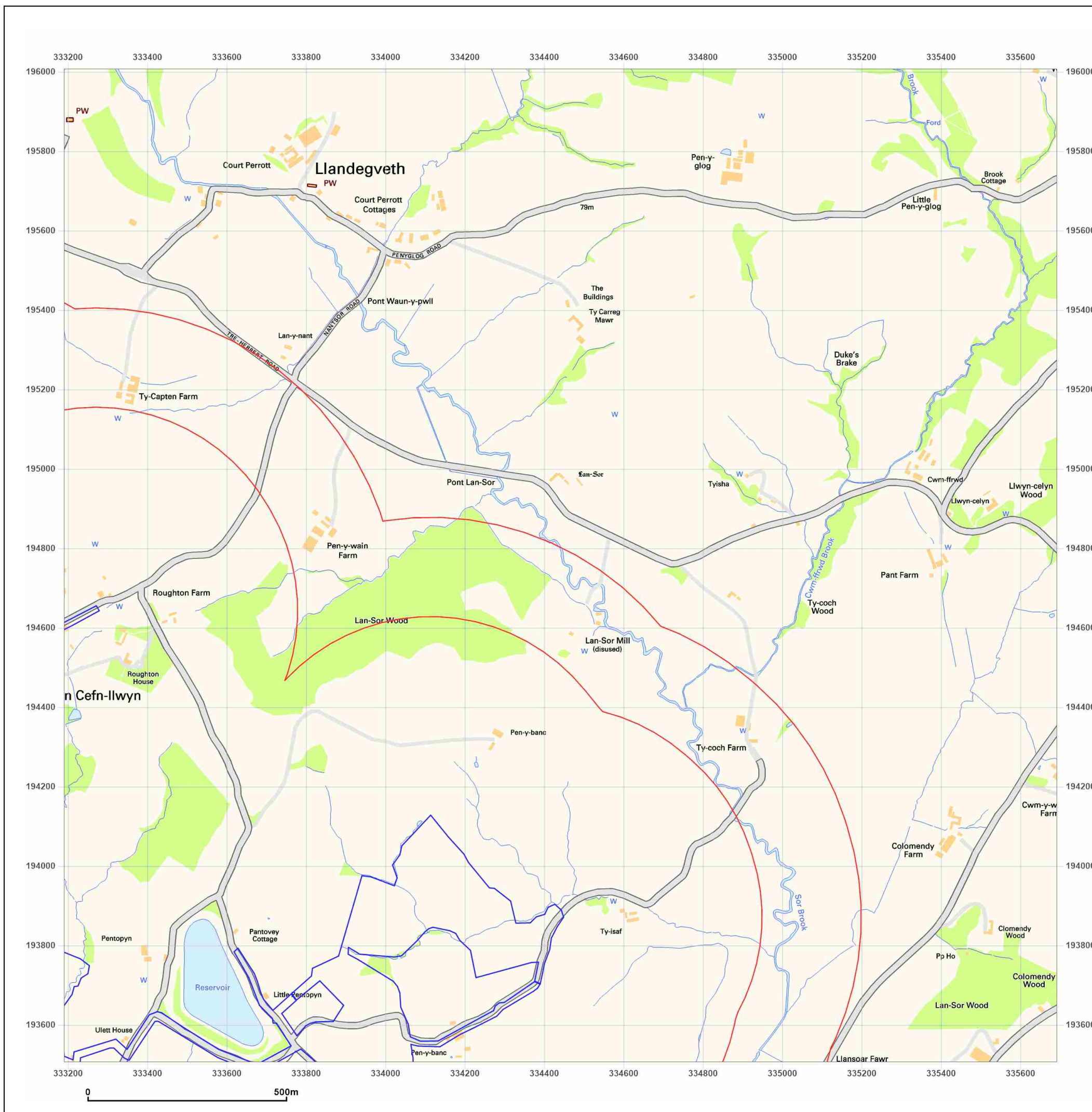


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



2010

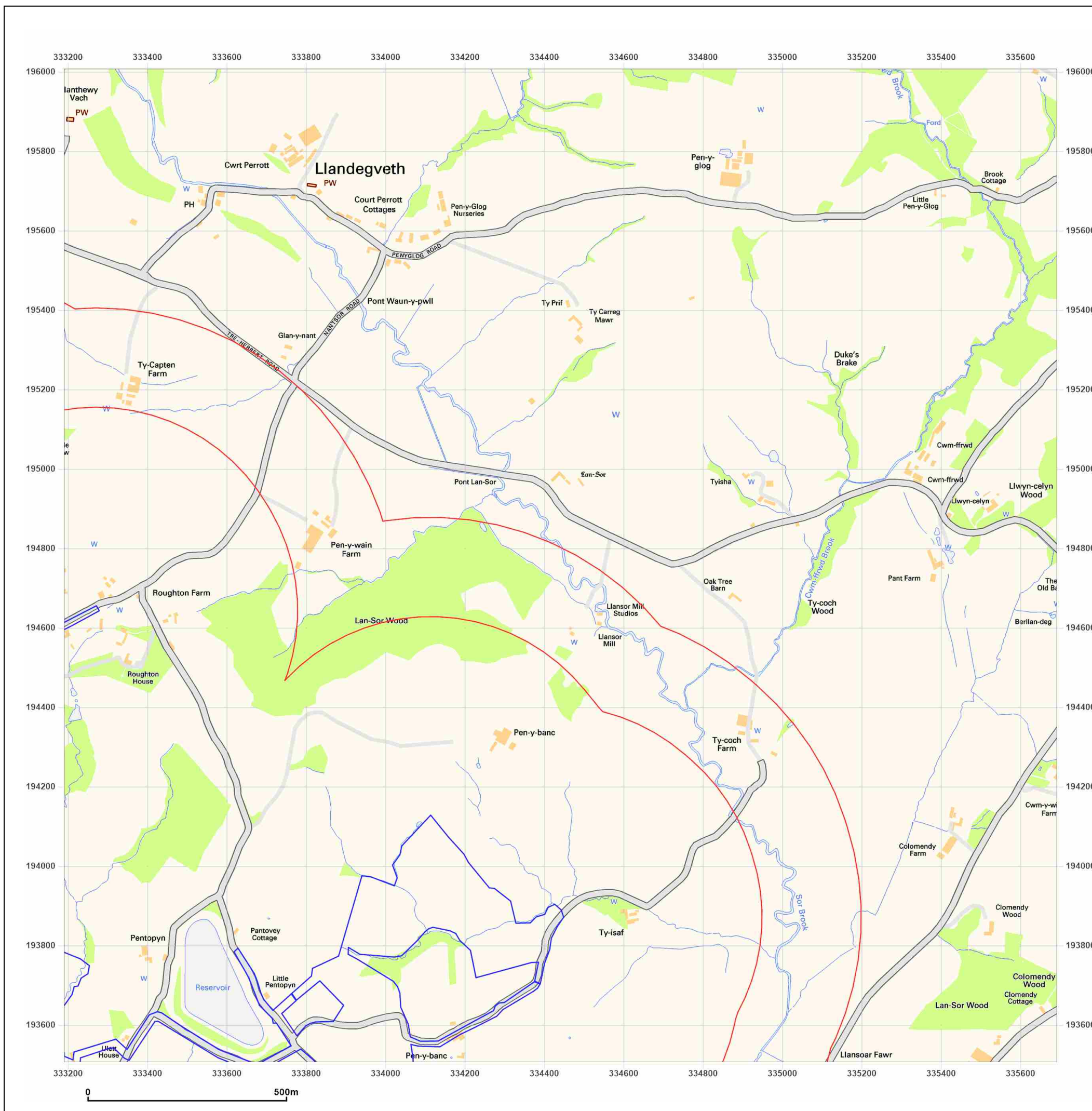


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Site Details:

Court Farm Solar

Client Ref: P02166097
Report Ref: GS-J6D-T89-7G2-1ZY_SS_2_2
Grid Ref: 334441, 194757

Map Name: National Grid

Map date: 2025

Scale: 1:10,000

Printed at: 1:10,000



2025

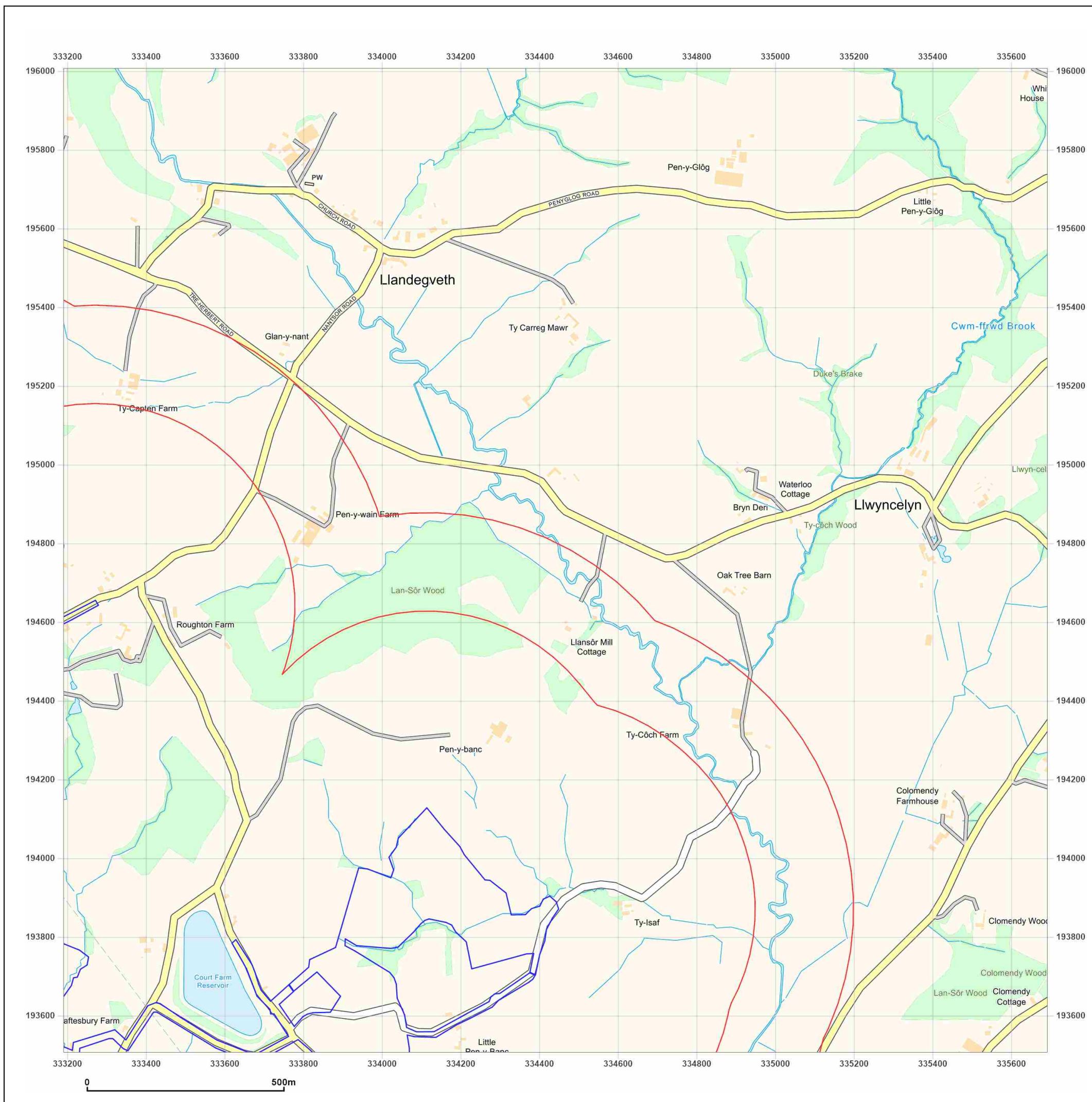


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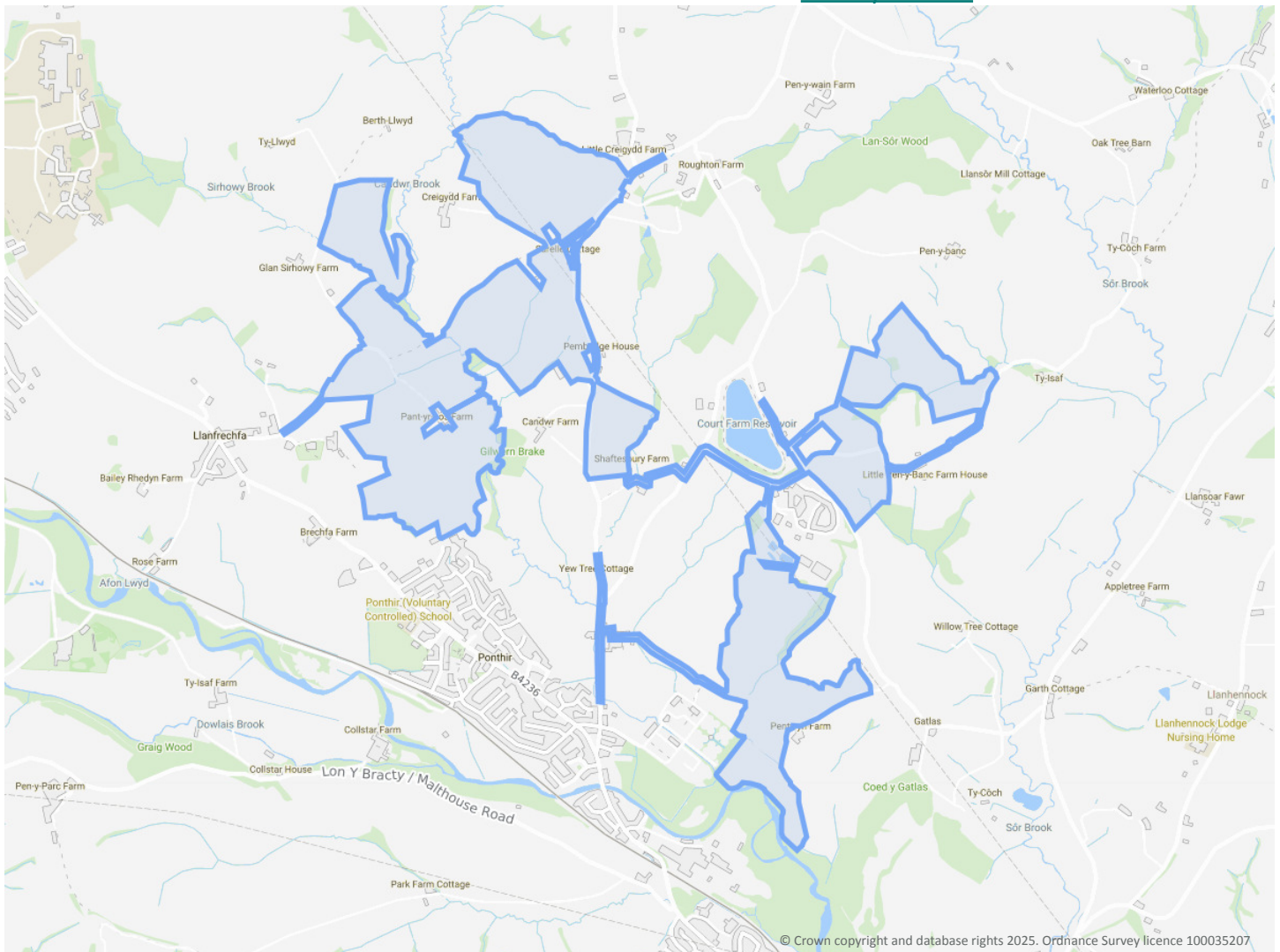
Court Farm Solar

Order Details

Date: 11/09/2025
Your ref: P02166097
Our Ref: GS-9AQ-2QF-8VE-RS8

Site Details

Location: 333056 193744
Area: 127.67 ha
Authority: [Casnewydd - Newport City Council](#) ↗, [Tor-faen - Torfaen County Borough Council](#) ↗, [Sir Fynwy - Monmouthshire County Council](#) ↗



Summary of findings

[p. 2 >](#)

Aerial image

[p. 9 >](#)

OS MasterMap site plan

N/A: >10ha

[Insight User Guide](#) ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	3	11	27	46	-
18 >	1.2 >	Historical tanks >	0	6	20	4	-
19 >	1.3 >	Historical energy features >	0	2	9	3	-
20	1.4	Historical petrol stations	0	0	0	0	-
20 >	1.5 >	Historical garages >	0	0	0	5	-
21	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
22 >	2.1 >	Historical industrial land uses >	6	18	34	54	-
27 >	2.2 >	Historical tanks >	0	8	24	4	-
28 >	2.3 >	Historical energy features >	0	3	11	7	-
29	2.4	Historical petrol stations	0	0	0	0	-
29 >	2.5 >	Historical garages >	0	0	0	6	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
31	3.1	Active or recent landfill	0	0	0	0	-
31	3.2	Historical landfill (BGS records)	0	0	0	0	-
32	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
32	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
32	3.5	Historical waste sites	0	0	0	0	-
32 >	3.6 >	Licensed waste sites >	0	0	10	7	-
37 >	3.7 >	Waste exemptions >	2	7	55	23	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
45 >	4.1 >	Recent industrial land uses >	5	10	15	-	-
47 >	4.2 >	National Geographic Database (NGD) - Current or recent tanks >	0	3	9	-	-
48 >	4.3 >	Current or recent petrol stations >	0	0	0	1	-
48	4.4	Electricity cables	0	0	0	0	-
48	4.5	Gas pipelines	0	0	0	0	-



49	4.6	Sites determined as Contaminated Land	0	0	0	0	-
49	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
49	4.8	Regulated explosive sites	0	0	0	0	-
49	4.9	Hazardous substance storage/usage	0	0	0	0	-
49	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
50 >	4.11 >	<u>Licensed industrial activities (Part A(1)) ></u>	0	0	0	1	-
50 >	4.12 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	0	0	3	-
51	4.13	Radioactive Substance Authorisations	0	0	0	0	-
51 >	4.14 >	<u>Licensed Discharges to controlled waters ></u>	1	8	5	6	-
54	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
54	4.16	Pollutant release to public sewer	0	0	0	0	-
54 >	4.17 >	<u>List 1 Dangerous Substances ></u>	0	2	0	0	-
54 >	4.18 >	<u>List 2 Dangerous Substances ></u>	0	7	0	0	-
55 >	4.19 >	<u>Pollution Incidents (EA/NRW) ></u>	0	4	8	5	-
57	4.20	Pollution inventory substances	0	0	0	0	-
57	4.21	Pollution inventory waste transfers	0	0	0	0	-
57	4.22	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
59 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
61 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
63 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
67	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
67	5.5	Groundwater vulnerability- local information	None (within 0m)				
68 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	8
71 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	17
74 >	5.8 >	<u>Potable abstractions ></u>	0	0	0	0	5
76	5.9	Source Protection Zones	0	0	0	0	-
76	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m



77 >	6.1 >	Water Network (OS MasterMap) >	68	45	87	-	-
93 >	6.2 >	Surface water features >	1	20	47	-	-
93 >	6.3 >	WFD Surface water body catchments >	2	-	-	-	-
94 >	6.4 >	WFD Surface water bodies >	0	1	0	-	-
94 >	6.5 >	WFD Groundwater bodies >	2	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
95 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
96 >	7.2 >	Historical Flood Events >	1	1	1	-	-
96	7.3	Flood Defences	0	0	0	-	-
97 >	7.4 >	Areas Benefiting from Flood Defences >	0	7	0	-	-
97	7.5	Flood Storage Areas	0	0	0	-	-
98 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
99 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
100 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
102 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
103 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	1
104	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
104 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	0	1
105	10.4	Special Protection Areas (SPA)	0	0	0	0	0
105	10.5	National Nature Reserves (NNR)	0	0	0	0	0
105	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
105 >	10.7 >	Designated Ancient Woodland >	5	0	7	8	99
110	10.8	Biosphere Reserves	0	0	0	0	0
110	10.9	Forest Parks	0	0	0	0	0
110	10.10	Marine Conservation Zones	0	0	0	0	0
110	10.11	Green Belt	0	0	0	0	0



111	10.12	Proposed Ramsar sites	0	0	0	0	0
111	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
111	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
111	10.15	Nitrate Sensitive Areas	0	0	0	0	0
112	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
113	10.17	SSSI Impact Risk Zones	0	-	-	-	-
113	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
114	11.1	World Heritage Sites	0	0	0	-	-
115	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
115	11.3	National Parks	0	0	0	-	-
115 >	11.4 >	Listed Buildings >	0	2	5	-	-
116	11.5	Conservation Areas	0	0	0	-	-
116 >	11.6 >	Scheduled Ancient Monuments >	1	0	0	-	-
117	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
118 >	12.1 >	Agricultural Land Classification >	Grade 3b (within 250m)				
122	12.2	Open Access Land	0	0	0	-	-
122	12.3	Tree Felling Licences	0	0	0	-	-
123	12.4	Environmental Stewardship Schemes	0	0	0	-	-
123	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
124	13.1	Priority Habitat Inventory	0	0	0	-	-
124	13.2	Habitat Networks	0	0	0	-	-
124	13.3	Open Mosaic Habitat	0	0	0	-	-
124	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
125 >	14.1 >	10k Availability >	Identified (within 500m)				
126	14.2	Artificial and made ground (10k)	0	0	0	0	-



127 >	14.3 >	Superficial geology (10k) >	3	0	3	1	-
128	14.4	Landslip (10k)	0	0	0	0	-
129 >	14.5 >	Bedrock geology (10k) >	8	1	10	7	-
131 >	14.6 >	Bedrock faults and other linear features (10k) >	5	1	1	2	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
132 >	15.1 >	50k Availability >	Identified (within 500m)				
133	15.2	Artificial and made ground (50k)	0	0	0	0	-
133	15.3	Artificial ground permeability (50k)	0	0	-	-	-
134 >	15.4 >	Superficial geology (50k) >	3	0	2	1	-
135 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
135	15.6	Landslip (50k)	0	0	0	0	-
135	15.7	Landslip permeability (50k)	None (within 50m)				
136 >	15.8 >	Bedrock geology (50k) >	6	1	8	3	-
137 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
138 >	15.10 >	Bedrock faults and other linear features (50k) >	6	0	0	1	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
139 >	16.1 >	BGS Boreholes >	0	15	19	-	-
Page	Section	Natural ground subsidence >					
142 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
144 >	17.2 >	Running sands >	Low (within 50m)				
146 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
148 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
149 >	17.5 >	Landslides >	Moderate (within 50m)				
151 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
153 >	18.1 >	BritPits >	0	0	1	4	-
155 >	18.2 >	Surface ground workings >	3	16	27	-	-
157	18.3	Underground workings	0	0	0	0	0
157	18.4	Underground mining extents	0	0	0	0	-



157 >	18.5 >	Historical Mineral Planning Areas >	0	0	1	0	-
158 >	18.6 >	Non-coal mining >	1	0	2	0	3
159	18.7	JPB mining areas	None (within 0m)				
159	18.8	The Coal Authority non-coal mining	0	0	0	0	-
159	18.9	Researched mining	0	0	0	0	-
159	18.10	Mining record office plans	0	0	0	0	-
160	18.11	BGS mine plans	0	0	0	0	-
160	18.12	Coal mining	None (within 0m)				
160	18.13	Brine areas	None (within 0m)				
160	18.14	Gypsum areas	None (within 0m)				
160	18.15	Tin mining	None (within 0m)				
161	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
162	19.1	Natural cavities	0	0	0	0	-
162	19.2	Mining cavities	0	0	0	0	0
162	19.3	Reported recent incidents	0	0	0	0	-
162	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
164 >	20.1 >	Radon >	Between 10% and 30% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
166 >	21.1 >	BGS Estimated Background Soil Chemistry >	55	15	-	-	-
169	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
169	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
170	22.1	Underground railways (London)	0	0	0	-	-
170	22.2	Underground railways (Non-London)	0	0	0	-	-
171	22.3	Railway tunnels	0	0	0	-	-
171 >	22.4 >	Historical railway and tunnel features >	1	1	3	-	-
171	22.5	Royal Mail tunnels	0	0	0	-	-



172	22.6	Historical railways	0	0	0	-	-
172	22.7	Railways	0	0	0	-	-
172	22.8	Crossrail 2	0	0	0	0	-
172	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 04/04/2023

Site Area: 127.67ha



Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 11 September 2025

Recent site history - 2020 aerial photograph



Capture Date: 14/04/2020

Site Area: 127.67ha



Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 11 September 2025

Recent site history - 2014 aerial photograph



Capture Date: 23/07/2014

Site Area: 127.67ha



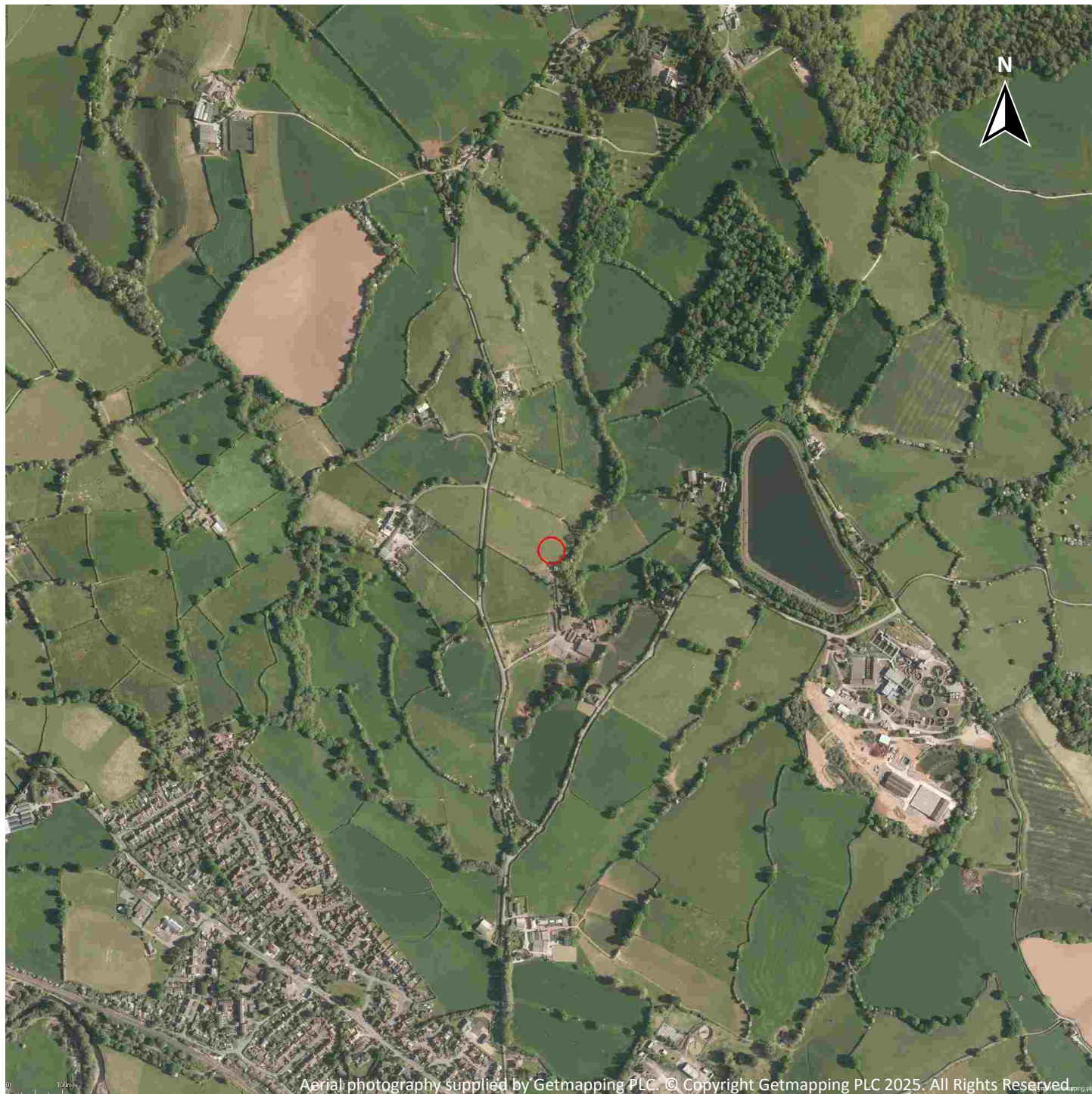
Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 11 September 2025

Recent site history - 2010 aerial photograph



Capture Date: 23/05/2010

Site Area: 127.67ha



Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 11 September 2025

Recent site history - 2000 aerial photograph



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Capture Date: 18/06/2000

Site Area: 127.67ha



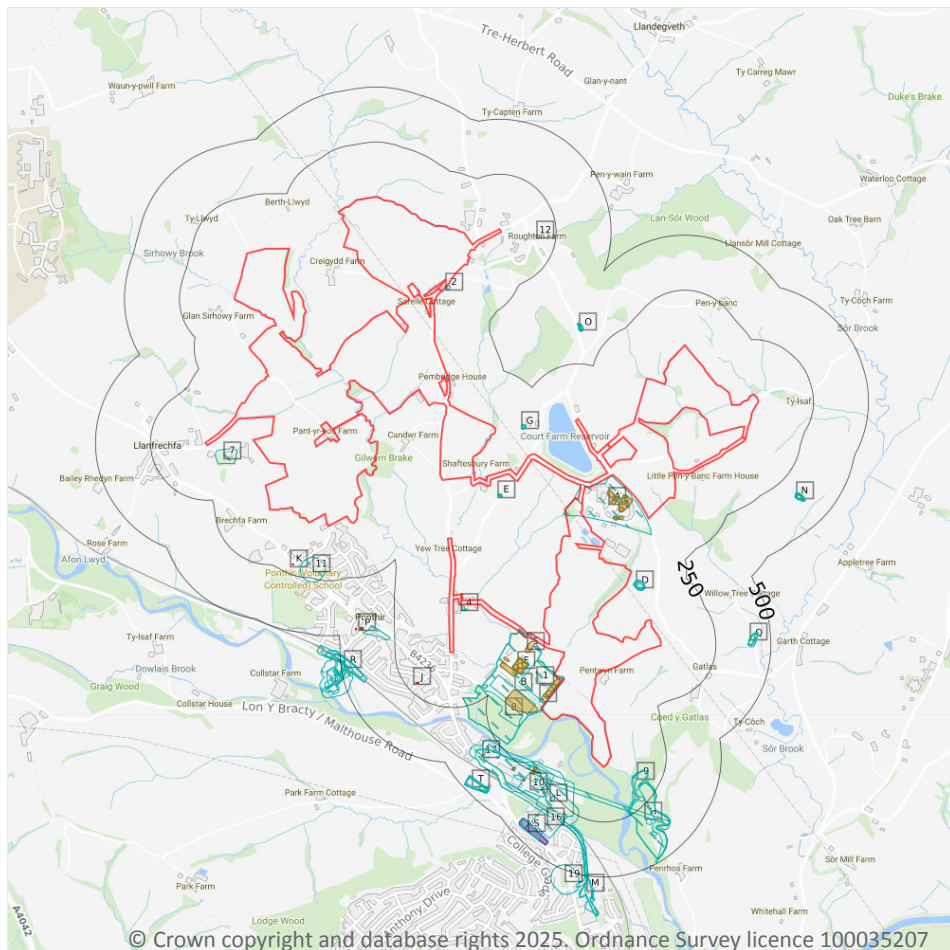
Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 11 September 2025

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

87

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

Features are displayed on the Past land use map on [page 14](#) >

ID	Location	Land use	Dates present	Group ID
A	On site	Water Works	1970 - 1981	1226126



ID	Location	Land use	Dates present	Group ID
B	On site	Railway Sidings	1970	1243476
B	On site	Sewage Disposal Works	1970 - 1981	1272715
1	3m SW	Filter Beds	1970 - 1981	1271136
2	3m SE	Unspecified Tank	1922 - 1964	1239382
4	8m S	Malthouse	1882	1197609
A	22m SW	Unspecified Tanks	1970 - 1981	1272329
D	30m E	Unspecified Pit	1882 - 1918	1213621
D	30m E	Unspecified Pit	1949	1239649
B	31m NW	Sludge Beds	1970 - 1981	1221758
D	34m E	Unspecified Pit	1922	1290747
D	34m E	Unspecified Pit	1970 - 1981	1277684
D	34m E	Unspecified Pit	1964	1284953
7	45m SE	Grave Yard	1882	1184922
E	52m SE	Unspecified Pit	1922	1276593
E	53m SE	Unspecified Pit	1918	1237173
E	53m SE	Unspecified Pit	1949	1283786
8	91m W	Sludge Lagoons	1970	1194691
F	96m S	Unspecified Tanks	1970 - 1981	1286805
A	109m NE	Unspecified Tanks	1970 - 1981	1287622
G	117m E	Unspecified Old Quarry	1900	1181644
G	117m E	Unspecified Pit	1918	1264145
G	117m E	Unspecified Pit	1949	1276349
G	117m E	Unspecified Pit	1922	1245083
G	118m E	Unspecified Pit	1882	1239038
G	118m E	Unspecified Pit	1964	1249498
9	127m SE	Unspecified Ground Workings	1970 - 1981	1282723
H	130m SE	Unspecified Quarry	1949	1224601
H	131m SE	Unspecified Quarry	1964	1214468



ID	Location	Land use	Dates present	Group ID
10	135m S	Railway Sidings	1949 - 1964	1282642
I	146m SW	Unspecified Works	1964	1274873
11	156m S	Miniature Rifle Range	1922	1189734
12	159m E	Unspecified Pump	1881	1202229
I	163m SW	Brick and Tile Works	1949	1179961
H	178m SE	Unspecified Quarry	1970 - 1981	1285596
I	194m SW	Unspecified Works	1970 - 1981	1277374
I	227m S	Unspecified Kilns	1949	1290446
I	229m SW	Brick Works	1918	1186369
I	237m SW	Unspecified Kilns	1949	1179161
I	242m S	Unspecified Kilns	1981	1215212
I	247m S	Chimney	1970 - 1981	1277227
L	251m SW	Unspecified Heap	1949 - 1964	1234927
I	269m SW	Unspecified Kilns	1949	1179163
13	270m W	Burial Ground	1882	1201897
I	274m SW	Unspecified Kilns	1970 - 1981	1264096
14	291m SW	Unspecified Kilns	1949	1179162
I	296m SW	Unspecified Tanks	1918	1186925
15	298m SW	Railway Building	1949	1206163
M	299m SW	Railway Sidings	1922	1257689
M	305m SW	Railway Sidings	1918	1269487
M	306m SW	Railway Sidings	1900	1273865
H	306m SE	Unspecified Heap	1970 - 1981	1237033
16	311m SW	Unspecified Warehouse	1981	1203009
N	336m SE	Unspecified Old Quarry	1900	1181645
N	336m SE	Unspecified Pit	1949	1257982
N	336m SE	Unspecified Pit	1918	1280407
N	340m SE	Unspecified Pit	1981	1254667



ID	Location	Land use	Dates present	Group ID
N	341m SE	Unspecified Pit	1922	1238000
N	341m SE	Unspecified Pit	1882	1248474
N	347m SE	Unspecified Pit	1964	1244004
O	366m NW	Unspecified Pit	1922	1222372
18	367m SE	Unspecified Heap	1970 - 1981	1228343
O	368m NW	Unspecified Pit	1964	1278933
O	369m NW	Unspecified Pit	1949	1217831
O	369m NW	Unspecified Pit	1918	1266742
O	379m NW	Unspecified Old Quarry	1900	1181643
Q	395m E	Unspecified Pit	1970 - 1981	1267642
R	396m W	Railway Sidings	1918	1264940
Q	397m E	Unspecified Old Quarry	1922	1283010
R	397m W	Railway Sidings	1949 - 1964	1241287
Q	398m E	Unspecified Old Quarry	1949	1228344
Q	398m E	Unspecified Old Quarry	1918	1264885
R	407m W	Railway Sidings	1922	1238511
S	418m SW	Garage	1970	1190068
T	420m SW	Malthouse	1922	1289892
T	420m SW	Malthouse	1964	1285818
T	424m SW	Malthouse	1900 - 1918	1253607
T	424m SW	Malthouse	1949	1289003
T	425m SW	Malthouse	1970 - 1981	1293301
T	450m SW	Malthouse	1882	1217066
R	451m W	Tin Plate Works	1900	1209817
R	466m W	Disused Tin Plate Works	1922	1205240
R	476m W	Railway Sidings	1900	1216983
19	477m S	Unspecified Quarry	1900	1198194
R	479m W	Railway Sidings	1882	1286231



ID	Location	Land use	Dates present	Group ID
R	493m W	Tin Works	1882	1194667
R	496m W	Railway Building	1900	1206422

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

30

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

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
3	4m SW	Tanks	1969	176554
5	9m SW	Tanks	1994 - 1999	201206
6	18m W	Tanks	1994 - 1999	188771
A	19m SW	Tanks	1988	176463
A	30m SW	Unspecified Tank	1969	179093
A	38m SW	Unspecified Tank	1969	179089
A	50m SW	Unspecified Tank	1969	179092
A	55m SE	Tanks	1988	177183
A	57m SW	Unspecified Tank	1969	179091
A	65m SW	Unspecified Tank	1969	179090
A	68m SW	Unspecified Tank	1969	179087
A	73m SW	Unspecified Tank	1969	179088
A	82m SW	Tanks	1969	176461
A	98m SW	Unspecified Tank	1988	179097
F	101m S	Unspecified Tank	1969	179098
F	103m S	Tanks	1994 - 1999	197419



ID	Location	Land use	Dates present	Group ID
A	105m NE	Tanks	1969	176460
F	107m SW	Unspecified Tank	1969	179099
F	126m SW	Tanks	1994 - 1999	196659
F	131m S	Unspecified Tank	1969	179076
F	138m SW	Unspecified Tank	1969	179077
F	151m SW	Tanks	1969	176464
I	228m S	Unspecified Tank	1936	199378
I	244m S	Unspecified Tank	1969 - 1999	187183
I	246m S	Unspecified Tank	1969	179078
I	247m S	Unspecified Tank	1936	193599
L	268m SW	Tanks	1969	176458
I	278m SW	Tanks	1969	176457
I	301m SW	Unspecified Tank	1969	179100
I	303m SW	Unspecified Tank	1936	179095

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

14

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

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
C	17m NW	Electricity Substation	1994 - 1999	113503
C	19m NW	Electricity Transformer	1969	108727
J	199m SW	Electricity Transformer	1969	122528
J	200m SW	Electricity Substation	1995 - 1996	118458



ID	Location	Land use	Dates present	Group ID
J	200m SW	Electricity Transformer	1988	117649
K	203m S	Electricity Transformer	1969	116053
K	203m S	Electricity Substation	1997	117040
K	203m S	Electricity Substation	1996	118185
K	203m S	Electricity Substation	1996	119021
K	203m S	Electricity Transformer	1989	115817
K	203m S	Electricity Transformer	1989	119618
17	338m SW	Gas Governor	1994 - 1999	123102
P	392m W	Electricity Transformer	1969 - 1988	118782
P	423m W	Electricity Substation	1995 - 1996	120160

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, 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	5
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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 14 >](#)

ID	Location	Land use	Dates present	Group ID
S	413m SW	Garage	1969	36588



ID	Location	Land use	Dates present	Group ID
S	415m SW	Garage	1984	39965
S	416m SW	Garage	1994 - 1995	39768
S	416m SW	Garage	1987	40546
S	416m SW	Garage	1991	38947

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

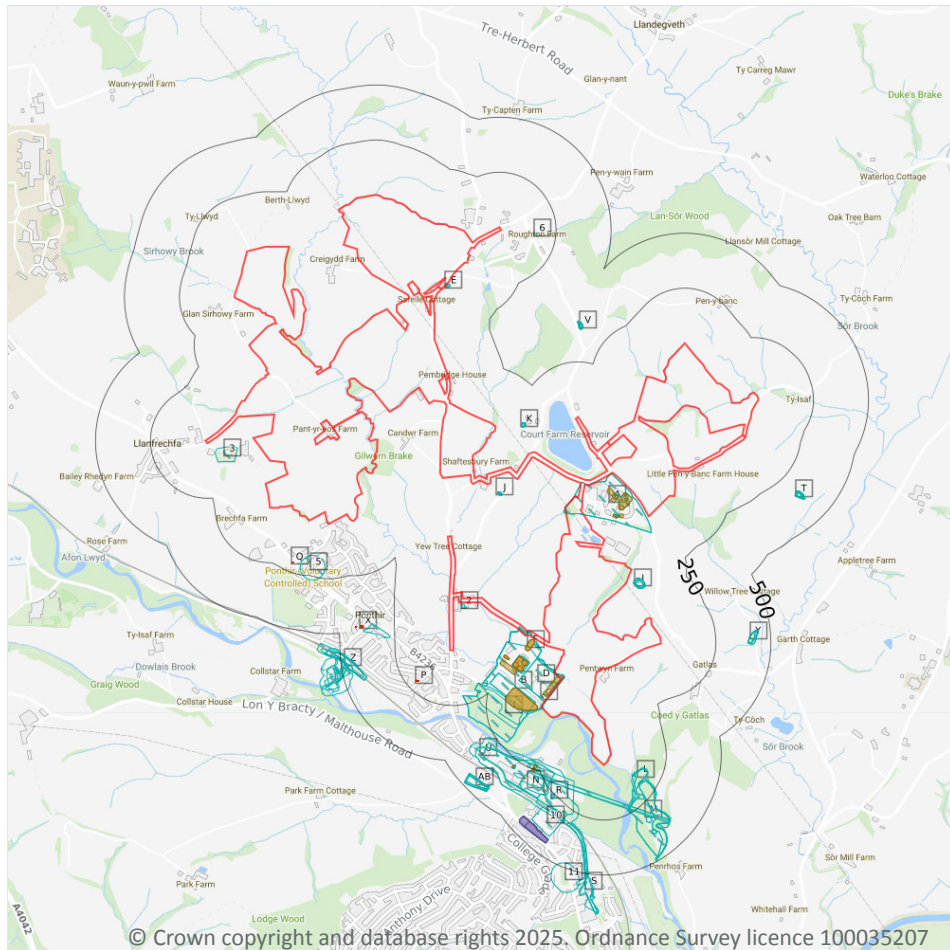
0

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

112

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 22](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Water Works	1970	1226126
A	On site	Water Works	1981	1226126
B	On site	Railway Sidings	1970	1243476



ID	Location	Land Use	Date	Group ID
B	On site	Sewage Disposal Works	1970	1272715
B	On site	Railway Sidings	1970	1243476
C	On site	Sewage Disposal Works	1981	1272715
D	3m SW	Filter Beds	1970	1271136
D	3m SW	Filter Beds	1981	1271136
E	3m SE	Unspecified Tank	1922	1239382
E	4m SE	Unspecified Tank	1964	1239382
2	8m S	Malthouse	1882	1197609
A	22m SW	Unspecified Tanks	1970	1272329
A	22m SW	Unspecified Tanks	1981	1272329
I	30m E	Unspecified Pit	1949	1239649
I	30m E	Unspecified Pit	1918	1213621
I	30m E	Unspecified Pit	1900	1213621
I	30m E	Unspecified Pit	1882	1213621
B	31m NW	Sludge Beds	1970	1221758
B	31m NW	Sludge Beds	1981	1221758
I	34m E	Unspecified Pit	1922	1290747
I	34m E	Unspecified Pit	1970	1277684
I	34m E	Unspecified Pit	1981	1277684
I	34m E	Unspecified Pit	1964	1284953
3	45m SE	Grave Yard	1882	1184922
J	52m SE	Unspecified Pit	1922	1276593
J	53m SE	Unspecified Pit	1949	1283786
J	53m SE	Unspecified Pit	1918	1237173
4	91m W	Sludge Lagoons	1970	1194691
C	96m S	Unspecified Tanks	1970	1286805
C	96m S	Unspecified Tanks	1981	1286805
A	109m NE	Unspecified Tanks	1970	1287622



ID	Location	Land Use	Date	Group ID
A	109m NE	Unspecified Tanks	1981	1287622
K	117m E	Unspecified Old Quarry	1900	1181644
K	117m E	Unspecified Pit	1949	1276349
K	117m E	Unspecified Pit	1918	1264145
K	117m E	Unspecified Pit	1922	1245083
K	118m E	Unspecified Pit	1882	1239038
K	118m E	Unspecified Pit	1964	1249498
L	127m SE	Unspecified Ground Workings	1970	1282723
L	127m SE	Unspecified Ground Workings	1981	1282723
M	130m SE	Unspecified Quarry	1949	1224601
M	131m SE	Unspecified Quarry	1964	1214468
N	135m S	Railway Sidings	1964	1282642
N	137m S	Railway Sidings	1949	1282642
O	146m SW	Unspecified Works	1964	1274873
5	156m S	Miniature Rifle Range	1922	1189734
6	159m E	Unspecified Pump	1881	1202229
O	163m SW	Brick and Tile Works	1949	1179961
M	178m SE	Unspecified Quarry	1970	1285596
M	178m SE	Unspecified Quarry	1981	1285596
O	194m SW	Unspecified Works	1970	1277374
O	194m SW	Unspecified Works	1981	1277374
O	227m S	Unspecified Kilns	1949	1290446
O	229m SW	Brick Works	1918	1186369
O	237m SW	Unspecified Kilns	1949	1179161
O	242m S	Unspecified Kilns	1981	1215212
O	247m S	Chimney	1970	1277227
O	247m S	Chimney	1981	1277227
R	251m SW	Unspecified Heap	1964	1234927



ID	Location	Land Use	Date	Group ID
R	253m SW	Unspecified Heap	1949	1234927
O	269m SW	Unspecified Kilns	1949	1179163
7	270m W	Burial Ground	1882	1201897
O	274m SW	Unspecified Kilns	1970	1264096
O	274m SW	Unspecified Kilns	1981	1264096
8	291m SW	Unspecified Kilns	1949	1179162
O	296m SW	Unspecified Tanks	1918	1186925
9	298m SW	Railway Building	1949	1206163
S	299m SW	Railway Sidings	1922	1257689
S	305m SW	Railway Sidings	1918	1269487
S	306m SW	Railway Sidings	1900	1273865
M	306m SE	Unspecified Heap	1970	1237033
M	306m SE	Unspecified Heap	1981	1237033
10	311m SW	Unspecified Warehouse	1981	1203009
T	336m SE	Unspecified Old Quarry	1900	1181645
T	336m SE	Unspecified Pit	1949	1257982
T	336m SE	Unspecified Pit	1918	1280407
T	340m SE	Unspecified Pit	1981	1254667
T	341m SE	Unspecified Pit	1922	1238000
T	341m SE	Unspecified Pit	1882	1248474
T	347m SE	Unspecified Pit	1964	1244004
V	366m NW	Unspecified Pit	1922	1222372
W	367m SE	Unspecified Heap	1970	1228343
W	367m SE	Unspecified Heap	1981	1228343
V	368m NW	Unspecified Pit	1964	1278933
V	369m NW	Unspecified Pit	1949	1217831
V	369m NW	Unspecified Pit	1918	1266742
V	379m NW	Unspecified Old Quarry	1900	1181643



ID	Location	Land Use	Date	Group ID
Y	395m E	Unspecified Pit	1970	1267642
Y	395m E	Unspecified Pit	1981	1267642
Z	396m W	Railway Sidings	1918	1264940
Y	397m E	Unspecified Old Quarry	1922	1283010
Z	397m W	Railway Sidings	1949	1241287
Y	398m E	Unspecified Old Quarry	1949	1228344
Y	398m E	Unspecified Old Quarry	1918	1264885
Z	405m W	Railway Sidings	1964	1241287
Z	407m W	Railway Sidings	1922	1238511
AA	418m SW	Garage	1970	1190068
AB	420m SW	Malthouse	1922	1289892
AB	420m SW	Malthouse	1964	1285818
AB	424m SW	Malthouse	1949	1289003
AB	424m SW	Malthouse	1918	1253607
AB	424m SW	Malthouse	1900	1253607
AB	425m SW	Malthouse	1970	1293301
AB	425m SW	Malthouse	1981	1293301
AB	450m SW	Malthouse	1882	1217066
Z	451m W	Tin Plate Works	1900	1209817
Z	466m W	Disused Tin Plate Works	1922	1205240
Z	476m W	Railway Sidings	1900	1216983
11	477m S	Unspecified Quarry	1900	1198194
Z	479m W	Railway Sidings	1882	1286231
Z	493m W	Tin Works	1882	1194667
Z	496m W	Railway Building	1900	1206422

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m

36

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 22 >](#)

ID	Location	Land Use	Date	Group ID
1	4m SW	Tanks	1969	176554
F	9m SW	Tanks	1994	201206
F	9m SW	Tanks	1999	201206
H	18m W	Tanks	1994	188771
H	18m W	Tanks	1999	188771
A	19m SW	Tanks	1988	176463
A	30m SW	Unspecified Tank	1969	179093
A	38m SW	Unspecified Tank	1969	179089
A	50m SW	Unspecified Tank	1969	179092
A	55m SE	Tanks	1988	177183
A	57m SW	Unspecified Tank	1969	179091
A	65m SW	Unspecified Tank	1969	179090
A	68m SW	Unspecified Tank	1969	179087
A	73m SW	Unspecified Tank	1969	179088
A	82m SW	Tanks	1969	176461
A	98m SW	Unspecified Tank	1988	179097
C	101m S	Unspecified Tank	1969	179098
C	103m S	Tanks	1994	197419
C	103m S	Tanks	1999	197419
A	105m NE	Tanks	1969	176460
C	107m SW	Unspecified Tank	1969	179099
C	126m SW	Tanks	1994	196659
C	126m SW	Tanks	1999	196659



ID	Location	Land Use	Date	Group ID
C	131m S	Unspecified Tank	1969	179076
C	138m SW	Unspecified Tank	1969	179077
C	151m SW	Tanks	1969	176464
O	228m S	Unspecified Tank	1936	199378
O	244m S	Unspecified Tank	1969	187183
O	246m S	Unspecified Tank	1994	187183
O	246m S	Unspecified Tank	1999	187183
O	246m S	Unspecified Tank	1969	179078
O	247m S	Unspecified Tank	1936	193599
R	268m SW	Tanks	1969	176458
O	278m SW	Tanks	1969	176457
O	301m SW	Unspecified Tank	1969	179100
O	303m SW	Unspecified Tank	1936	179095

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

21

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 22 >](#)

ID	Location	Land Use	Date	Group ID
G	17m NW	Electricity Substation	1994	113503
G	17m NW	Electricity Substation	1999	113503
G	19m NW	Electricity Transformer	1969	108727
P	199m SW	Electricity Transformer	1969	122528
P	200m SW	Electricity Substation	1995	118458
P	200m SW	Electricity Substation	1996	118458
P	200m SW	Electricity Substation	1996	118458



ID	Location	Land Use	Date	Group ID
P	200m SW	Electricity Transformer	1988	117649
Q	203m S	Electricity Transformer	1969	116053
Q	203m S	Electricity Substation	1997	117040
Q	203m S	Electricity Substation	1996	118185
Q	203m S	Electricity Substation	1996	119021
Q	203m S	Electricity Transformer	1989	115817
Q	203m S	Electricity Transformer	1989	119618
U	338m SW	Gas Governor	1994	123102
U	338m SW	Gas Governor	1999	123102
X	392m W	Electricity Transformer	1969	118782
X	395m W	Electricity Transformer	1988	118782
X	423m W	Electricity Substation	1995	120160
X	423m W	Electricity Substation	1996	120160
X	423m W	Electricity Substation	1996	120160

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

6

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 22 >](#)

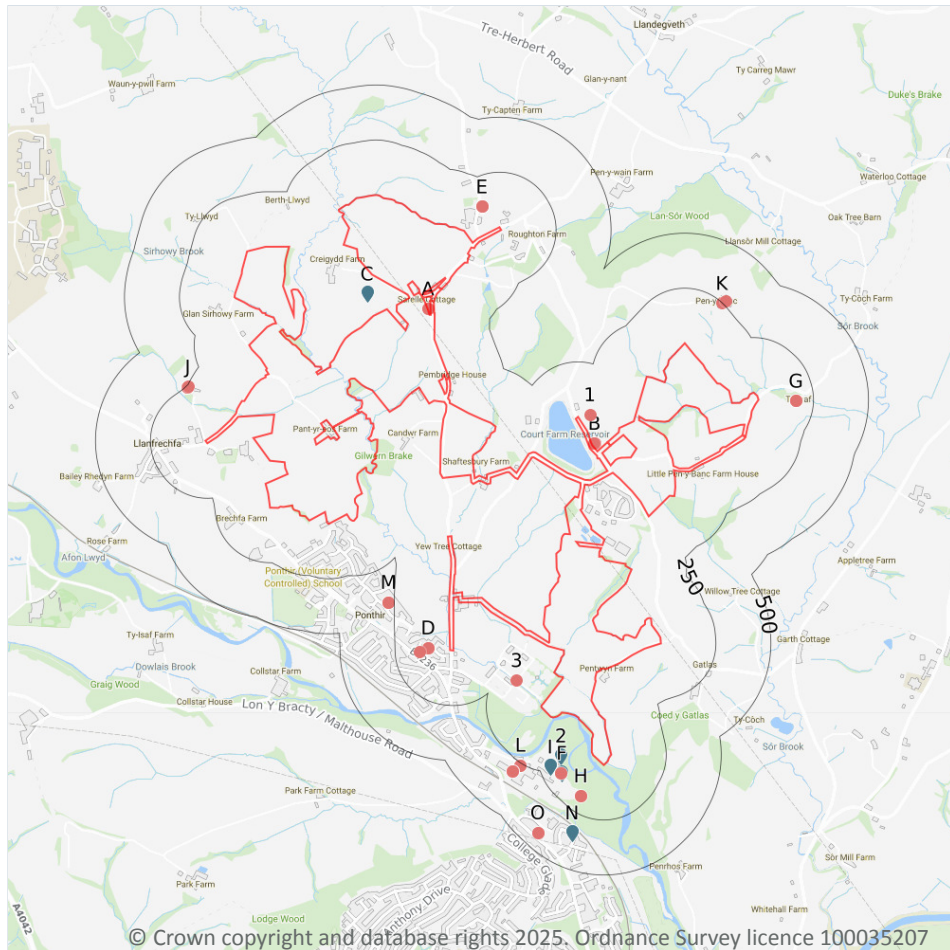


ID	Location	Land Use	Date	Group ID
AA	413m SW	Garage	1969	36588
AA	415m SW	Garage	1984	39965
AA	416m SW	Garage	1995	39768
AA	416m SW	Garage	1994	39768
AA	416m SW	Garage	1987	40546
AA	416m SW	Garage	1991	38947

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

0

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

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

3.5 Historical waste sites

Records within 500m

0

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

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

3.6 Licensed waste sites

Records within 500m

17

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

Features are displayed on the Waste and landfill map on [page 31 >](#)

ID	Location	Details		
C	91m SW	Site Name: - Site Address: Creigydd Farm, Ponthir, Caerleon, Newport, NP18 1HU Correspondence Address: -	Type of Site: - Size: - Environmental Permitting Regulations (Waste) Licence Number: PAN-011644 EPR reference: - Operator: ByProduct Recovery Limited Waste Management licence No: - Annual Tonnage: -	Issue Date: 14/10/2020 Effective Date: 18/11/2020 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective



ID	Location	Details		
C	91m SW	Site Name: - Site Address: Creigydd Farm, Creigydd Farm, Ponthir, Caerleon, NP18 1HU Correspondence Address: -	Type of Site: - Size: - Environmental Permitting Regulations (Waste) Licence Number: PAN-015750 EPR reference: - Operator: ByProduct Recovery Limited Waste Management licence No: - Annual Tonnage: 4900	Issue Date: 08/12/2021 Effective Date: 08/12/2021 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
2	142m W	Site Name: Colin Richardson Recycling Centre Site Address: Lower Yard (Unit Y13) Star Trading Est, Ponthir Road, Caerleon, Newport, Gwent, NP18 1PQ Correspondence Address: -	Type of Site: Inert & excavation Waste TS + treatment Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: CRC003 EPR reference: DP3793VH/A001 Operator: Richardson Colin Waste Management licence No: 101015 Annual Tonnage: 0	Issue Date: 25/09/2009 Effective Date: - Modified: - Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Issued
F	167m SW	Site Name: - Site Address: MJ Rubbish Removals Ltd, Star Trading Estate, Ponthir, Newport, Newport, NP18 1PQ Correspondence Address: -	Type of Site: 75kte HCI Waste Transfer Station Size: - Environmental Permitting Regulations (Waste) Licence Number: DB3195CL EPR reference: - Operator: MJ Rubbish Removals Ltd Waste Management licence No: - Annual Tonnage: 75000	Issue Date: 12/04/2024 Effective Date: 12/04/2024 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
I	203m W	Site Name: - Site Address: Colin Richardson Recycling Centre, Caerleon, Newport, Gwent, NP18 1PQ Correspondence Address: -	Type of Site: Inert & excavation Waste TS + treatment Size: - Environmental Permitting Regulations (Waste) Licence Number: DP3793VH EPR reference: - Operator: Colin Richardson Waste Management licence No: - Annual Tonnage: 74999	Issue Date: 25/09/2009 Effective Date: 25/09/2009 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective



ID	Location	Details		
I	203m W	Site Name: - Site Address: Colin Richardson Recycling Centre, Caerleon, Newport, Gwent, NP18 1PQ Correspondence Address: -	Type of Site: Inert & excavation Waste TS + treatment Size: - Environmental Permitting Regulations (Waste) Licence Number: DP3793VH EPR reference: - Operator: Colin Richardson Waste Management licence No: - Annual Tonnage: 74999	Issue Date: 25/09/2009 Effective Date: 25/09/2009 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
I	203m W	Site Name: - Site Address: Colin Richardson Recycling Centre, Caerleon, Newport, Gwent, NP18 1PQ Correspondence Address: -	Type of Site: Inert & excavation Waste TS + treatment Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: DP3793VH EPR reference: - Operator: - Waste Management licence No: 101015 Annual Tonnage: 74999	Issue Date: 25/09/2009 Effective Date: 25/09/2009 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
I	203m W	Site Name: Colin Richardson Recycling Centre Site Address: Lower Yard (Unit Y13) Star Trading Est, Ponthir Road, Caerleon, Newport, Gwent, NP18 1PQ Correspondence Address: -	Type of Site: Inert & excavation Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CRC003 EPR reference: EA/EPR/DP3793VH/A001 Operator: Richardson Colin Waste Management licence No: 101015 Annual Tonnage: 74999	Issue Date: 25/09/2009 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
I	203m W	Site Name: - Site Address: Colin Richardson Recycling Centre, Caerleon, Newport, Newport, NP18 1PQ Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: DP3793VH EPR reference: - Operator: Colin Richardson Waste Management licence No: 0 Annual Tonnage: 74999	Issue Date: 25/09/2009 Effective Date: 25/09/2009 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective



ID	Location	Details		
I	203m W	Site Name: - Site Address: Colin Richardson Recycling Centre, Caerleon, Gwent, Newport, Newport, NP18 1PQ Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: DP3793VH EPR reference: - Operator: Colin Richardson Waste Management licence No: 101015 Annual Tonnage: 74999	Issue Date: 25/09/2009 Effective Date: 25/09/2009 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
N	344m SW	Site Name: - Site Address: Unit 14, Ponthi, Caerleon, Newport, NP18 1PQ Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: - Environmental Permitting Regulations (Waste) Licence Number: RB3997TX EPR reference: - Operator: Roger Collingbourne Waste Management licence No: - Annual Tonnage: 75000	Issue Date: 06/05/2014 Effective Date: 06/05/2014 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
N	344m SW	Site Name: - Site Address: Unit 14, Ponthi, Caerleon, Newport, NP18 1PQ Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: - Environmental Permitting Regulations (Waste) Licence Number: RB3997TX EPR reference: - Operator: Roger Collingbourne Waste Management licence No: - Annual Tonnage: 75000	Issue Date: 06/05/2014 Effective Date: 06/05/2014 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
N	344m SW	Site Name: - Site Address: Unit 14, Ponthi, Caerleon, Newport, NP18 1PQ Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: RB3997TX EPR reference: - Operator: Roger Collingbourne Waste Management licence No: 0 Annual Tonnage: 75000	Issue Date: 06/05/2014 Effective Date: 06/05/2014 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective



ID	Location	Details		
N	344m SW	Site Name: Unit 14 Site Address: Unit14, Star Trading Estate, Ponthi, Caerleon, Newport, NP18 1PQ Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: COL154 EPR reference: RB3997TX/A001 Operator: Collingbourne Roger Waste Management licence No: 900045 Annual Tonnage: 0	Issue Date: 06/05/2014 Effective Date: - Modified: - Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Issued
N	344m SW	Site Name: Unit 14 Site Address: Unit14, Star Trading Estate, Ponthi, Caerleon, Newport, NP18 1PQ Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COL154 EPR reference: EA/EPR/RB3997TX/A001 Operator: Collingbourne Roger Waste Management licence No: 900045 Annual Tonnage: 0	Issue Date: 06/05/2014 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
N	344m SW	Site Name: - Site Address: Unit 14, Ponthi, Caerleon, Newport, NP18 1PQ Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: RB3997TX EPR reference: - Operator: - Waste Management licence No: 900045 Annual Tonnage: 75000	Issue Date: 06/05/2014 Effective Date: 06/05/2014 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
N	344m SW	Site Name: - Site Address: Unit 14, Ponthi, Newport, Caerleon, Newport, NP18 1PQ Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: RB3997TX EPR reference: - Operator: Roger Collingbourne Waste Management licence No: 900045 Annual Tonnage: 75000	Issue Date: 06/05/2014 Effective Date: 06/05/2014 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective

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



3.7 Waste exemptions

Records within 500m

87

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 31 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	Cs Waste Ltd, Candwr Farm, Newport, Monmouthshire, Np181hu	NRW-WME041911	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	On site	Cs Waste Ltd, Candwr Farm, Newport, Monmouthshire, Np181hu	NRW-WME041911	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	11m NE	Dwr Cymru Cyfyngedig, Dwr Cymru Welsh Water, Court Farm Water Works, Newport, Torfaen, Np181ht	NRW-WME025008	Treating waste exemption	Not on a farm	Treatment of waste at a water treatment works
B	11m NE	Pen-Y-Banc Farm Ponthir Newport Monmouthshire Np181ht	NRW-WME025254	Disposing of waste exemption	On a farm	Burning waste in the open
B	11m NE	Pen-Y-Banc Farm Ponthir Newport Monmouthshire Np181ht	NRW-WME025254	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	11m NE	Pen-Y-Banc Farm Ponthir Newport Gwent Np181ht	NRW-WME010155	Using waste exemption	Waste exemption - agricultural and non-agricultural	Use of waste in construction
B	11m NE	R & M Waters, Pen-Y-Banc Farm, Ponthir, Newport, Sir Fynwy, Np18 1ht	NRW-WME054205	Using waste exemption	Not on a farm	Use of waste in construction
B	11m NE	Little Pen Y Banc Farm Ponthir Newport Sir Fynwy Np181ht	NRW-WME036469	Using waste exemption	Waste exemption - agricultural and non-agricultural	Use of waste in construction
1	48m NE	Mdw Europe Ltd, Pen-Y-Banc Farm, Ponthir, Newport, Sir Fynwy, Np18 1ht	NRW-WME071957	Using waste exemption	Waste exemption - agricultural and non-agricultural	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
D	100m W	Candwr Brook Pharmacy, Stokes Court, Ponthir, Newport, Np181ry	WEX141516	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
D	100m W	Peter James Pharmacy Ltd, Candwr Brook Pharmacy, Stokes Court, Ponthir, Newport, Torfaen, Np181ry	NRW-WME035618	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
D	100m W	Candwr Brook Pharmacy, Stokes Court, Newport, Torfaen, Np181ry	NRW-WME003701	Treating waste exemption	Waste exemption - non-agricultural	Sorting and de-naturing of controlled drugs for disposal
E	117m NW	Little Creigeth, Ponthir, Casnewydd, Np181hw	NRW-WME016165	Storing waste exemption	On a farm	Storage of waste in a secure place
E	117m NW	Little Creigeth, Ponthir, Casnewydd, Np181hw	NRW-WME016165	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
E	117m NW	Little Creigeth, Ponthir, Casnewydd, Np181hw	NRW-WME016165	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	117m NW	Little Creigeth, Ponthir, Casnewydd, Np181hw	NRW-WME016165	Using waste exemption	On a farm	Use of waste in construction
E	117m NW	Little Creigeth, Ponthir, Casnewydd, Np181hw	NRW-WME016165	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
E	117m NW	Little Creigeth, Ponthir, Casnewydd, Np181hw	NRW-WME016165	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
E	117m NW	Little Creigeth, Ponthir, Casnewydd, Np181hw	NRW-WME016165	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	117m NW	Penywain, Ponthir, Newport, Torfaen, Np181hw	NRW-WME003041	Using waste exemption	Waste exemption - agricultural and non-agricultural	Use of waste in construction
E	117m NW	Penywain, Ponthir, Newport, Torfaen, Np181hw	NRW-WME003041	Using waste exemption	Waste exemption - agricultural and non-agricultural	Burning of waste as a fuel in a small appliance
E	117m NW	Penywain, Ponthir, Newport, Torfaen, Np181hw	NRW-WME003041	Using waste exemption	Waste exemption - agricultural and non-agricultural	Use of waste for a specified purpose



ID	Location	Site	Reference	Category	Sub-Category	Description
E	117m NW	Penywain, Ponthir, Newport, Torfaen, Np18 1hw	NRW-WME003041	Treating waste exemption	Waste exemption - agricultural	Cleaning, washing, spraying or coating relevant waste
E	117m NW	Penywain, Ponthir, Newport, Torfaen, Np18 1hw	NRW-WME003041	Disposing of waste exemption	Waste exemption - agricultural	Deposit of waste from dredging of inland waters
E	117m NW	Little Creigeth, Ponthir, Casnewydd, Np181hw	NRW-WME016165	Disposing of waste exemption	On a farm	Disposal by incineration
E	117m NW	Little Creigeth, Ponthir, Casnewydd, Np181hw	NRW-WME016165	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	117m NW	Penywain, Ponthir, Newport, Torfaen, Np18 1hw	NRW-WME003041	Using waste exemption	Waste exemption - agricultural	Use of waste to manufacture finished goods
E	117m NW	Penywain, Ponthir, Newport, Torfaen, Np18 1hw	NRW-WME003041	Disposing of waste exemption	Waste exemption - agricultural	Burning waste in the open
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Using waste exemption	On a farm	Use of waste in construction
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Using waste exemption	On a farm	Use of waste for a specified purpose



ID	Location	Site	Reference	Category	Sub-Category	Description
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Disposing of waste exemption	On a farm	Burning waste in the open
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Disposing of waste exemption	On a farm	Disposal by incineration
E	117m NW	Dr & Kj Williams, Penywain, Ponthir, Newport, Sir Fynwy, Np181hw	NRW-WME037927	Using waste exemption	On a farm	Use of waste to manufacture finished goods
D	139m W	Candwr Brook Pharmacy, Stokes Court, Ponthir, Newport, Np181ry	WEX281485	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
3	159m NW	-	WEX403795	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
F	169m SW	Unit 25, Star Trading Estate, Ponthir, Newport, Newport, Np18 1pq	NRW-WME054363	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	169m SW	Land At, Star Trading Estate, Ponthir, Newport, Newport, Np18 1pq	NRW-WME054814	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
F	169m SW	Land At, Star Trading Estate, Ponthir, Newport, Newport, Np18 1pq	NRW-WME054815	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance



ID	Location	Site	Reference	Category	Sub-Category	Description
G	170m E	I M And N A Struthers, Ty Isaf Farm, Ty Isaf Road, Llansoar, Caerleon, Casnewydd, Np181nu	NRW-WME014367	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
G	170m E	I M And N A Struthers, Ty Isaf Farm, Ty Isaf Road, Llansoar, Caerleon, Casnewydd, Np181nu	NRW-WME014367	Using waste exemption	On a farm	Use of waste in construction
G	170m E	I M And N A Struthers, Ty Isaf Farm, Ty Isaf Road, Llansoar, Caerleon, Casnewydd, Np181nu	NRW-WME014367	Using waste exemption	On a farm	Use of waste for a specified purpose
G	170m E	I M And N A Struthers, Ty Isaf Farm, Ty Isaf Road, Llansoar, Caerleon, Casnewydd, Np181nu	NRW-WME014367	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
G	170m E	I M And N A Struthers, Ty Isaf Farm, Ty Isaf Road, Llansoar, Caerleon, Casnewydd, Np181nu	NRW-WME014367	Disposing of waste exemption	On a farm	Burning waste in the open
G	170m E	I M And N A Struthers, Ty Isaf Farm, Ty Isaf Road, Llansoar, Caerleon, Casnewydd, Np181nu	NRW-WME014367	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
H	178m SW	Unit Cc12, Star Trading Estate, Ponthir, Newport, Newport, Np18 1pq	NRW-WME047409	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	178m SW	Unit Cc12, Star Trading Estate, Ponthir, Newport, Newport, Np18 1pq	NRW-WME047409	Using waste exemption	Not on a farm	Use of waste in construction
H	178m SW	Unit Cc12, Star Trading Estate, Ponthir, Newport, Newport, Np18 1pq	NRW-WME047409	Treating waste exemption	Not on a farm	Screening and blending of waste
J	241m NW	Pantyreos Farm, Church Road, Llanfrechfa, Cwmbran, Torfaen, Np448ad	NRW-WME017281	Using waste exemption	Waste exemption - agricultural and non-agricultural	Use of waste in construction
J	241m NW	Pantyreos Farm, Church Road, Llanfrechfa, Cwmbran, Torfaen, Np448ad	NRW-WME024225	Using waste exemption	Waste exemption - agricultural and non-agricultural	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
J	241m NW	All Creatures Great And Small (Charity), Church Farm, Church Road, Llanfrehfa, Cwmbran, Torfaen, Np448ad	NRW-WME028198	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
J	241m NW	All Creatures Great And Small (Charity), Church Farm, Church Road, Llanfrehfa, Cwmbran, Torfaen, Np448ad	NRW-WME028199	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
J	241m NW	All Creatures Great And Small (Charity), Church Farm, Church Road, Llanfrehfa, Cwmbran, Torfaen, Np448ad	NRW-WME028200	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
J	241m NW	Pantyreos Farm, Church Road, Llanfrehfa, Cwmbran, Torfaen, Np448ad	NRW-WME006054	Disposing of waste exemption	On a farm	Burning waste in the open
J	241m NW	Pantyreos Farm, Church Road, Llanfrehfa, Cwmbran, Torfaen, Np448ad	NRW-WME006054	Using waste exemption	Waste exemption - agricultural and non-agricultural	Use of waste in construction
J	241m NW	All Creatures Great And Small (Charity), Church Farm, Church Road, Cwmbran, Torfaen, Np448ad	NRW-WME028250	Disposing of waste exemption	On a farm	Burning waste in the open
K	244m NE	Pen-Y-Banc Farm, Newport, Np18 1ht	NRW-WME107620	Using waste exemption	Waste exemption - agricultural and non-agricultural	Use of waste in construction
L	262m SW	Yard Y14, Star Trading Estate, Newport, Torfaen, Np18 1pq	NRW-WME002343	Treating waste exemption	Waste exemption - agricultural and non-agricultural	Sorting mixed waste
L	262m SW	Yard Y14, Star Trading Estate, Newport, Torfaen, Np18 1pq	NRW-WME002343	Treating waste exemption	Waste exemption - non-agricultural	Manual treatment of waste
L	262m SW	Yard Y14, Star Trading Estate, Newport, Torfaen, Np18 1pq	NRW-WME002343	Disposing of waste exemption	Waste exemption - agricultural and non-agricultural	Burning waste in the open



ID	Location	Site	Reference	Category	Sub-Category	Description
L	262m SW	Yard Y14, Star Trading Estate, Newport, Torfaen, Np18 1pq	NRW-WME001918	Treating waste exemption	Waste exemption - agricultural and non-agricultural	Preparatory treatments (baling, sorting, shredding etc)
L	262m SW	Yard Y14, Star Trading Estate, Newport, Torfaen, Np18 1pq	NRW-WME001918	Storing waste exemption	Waste exemption - agricultural and non-agricultural	Storage of waste in a secure place
L	262m SW	Yard Y14, Star Trading Estate, Newport, Torfaen, Np18 1pq	NRW-WME001918	Treating waste exemption	Waste exemption - agricultural and non-agricultural	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
K	265m NE	R & M Waters, Pen-Y-Banc Farm, Ponthir, Newport, Sir Fynwy, Np18 1ht	NRW-WME090668	Using waste exemption	Waste exemption - agricultural and non-agricultural	Use of waste in construction
M	276m W	91 Candwr Park, Ponthir, Newport, Torfaen, Np18 1hn	NRW-WME047841	Using waste exemption	On a farm	Incorporation of ash into soil
M	276m W	91 Candwr Park, Ponthir, Newport, Torfaen, Np18 1hn	NRW-WME047841	Using waste exemption	On a farm	Use of waste in construction
M	276m W	91 Candwr Park, Ponthir, Newport, Torfaen, Np18 1hn	NRW-WME047841	Disposing of waste exemption	On a farm	Burning waste in the open
M	276m W	91 Candwr Park Newport Np181hn	NRW-WME006774	Disposing of waste exemption	On a farm	Burning waste in the open
M	276m W	91 Candwr Park Ponthir Casnewydd Np181hn	NRW-WME007500	Using waste exemption	On a farm	Use of waste in construction
M	276m W	91 Candwr Park Ponthir Casnewydd Np181hn	NRW-WME007500	Using waste exemption	On a farm	Incorporation of ash into soil
M	276m W	91 Candwr Park Ponthir Casnewydd Np181hn	NRW-WME007500	Disposing of waste exemption	On a farm	Burning waste in the open
L	303m SW	Cs Waste Ltd, Star Trading Estate Ponthir, Newport, Np18 1pq, Newport, Monmouthshire, Np181pq	NRW-WME043026	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising

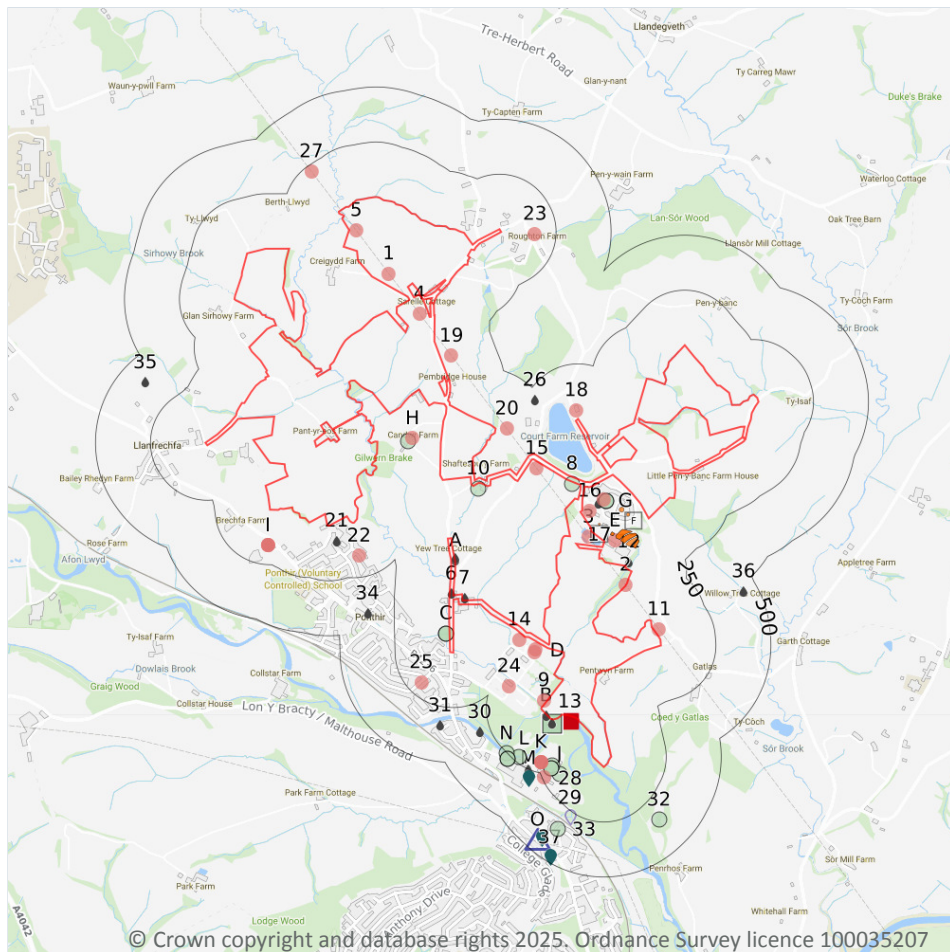


ID	Location	Site	Reference	Category	Sub-Category	Description
L	303m SW	Cs Waste Ltd, Star Trading Estate Ponthir, Newport, Np18 1pq, Newport, Monmouthshire, Np181pq	NRW-WME043026	Storing waste exemption	Not on a farm	Storage of waste in a secure place
L	303m SW	Talywain Salvage, Taywain Salvage, Unit 28, Star Trading Estate, Ponthir, Newport, Newport, Np18 1pq	NRW-WME089288	Treating waste exemption	Not on a farm	Recovery of scrap metal
L	303m SW	Talywain Salvage, Taywain Salvage, Unit 28, Star Trading Estate, Ponthir, Newport, Newport, Np18 1pq	NRW-WME089288	Storing waste exemption	Not on a farm	Storage of waste in a secure place
L	303m SW	Talywain Salvage, Taywain Salvage, Unit 28, Star Trading Estate, Ponthir, Newport, Newport, Np18 1pq	NRW-WME095395	Storing waste exemption	Not on a farm	Storage of waste in a secure place
L	303m SW	Talywain Salvage, Taywain Salvage, Unit 28, Star Trading Estate, Ponthir, Newport, Newport, Np18 1pq	NRW-WME095395	Treating waste exemption	Not on a farm	Recovery of scrap metal
O	433m SW	Enzos Homes Ltd, Land At Pontir Rd, Ponthir Road, Caerleon, Newport, Newport, Np183ny	NRW-WME017744	Using waste exemption	Not on a farm	Use of waste in construction
O	433m SW	Enzo's Homes Ltd, Land At Ponthir Road, Caerleon, Newport, Np183ny	NRW-WME017980	Using waste exemption	Not on a farm	Use of waste in construction
O	433m SW	Green Meadows, Ponthir Road, Newport, Np18 3ny	NRW-WME003794	Using waste exemption	Waste exemption - non-agricultural	Use of waste in construction

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- NGD current or recent tanks
- △ Current or recent petrol stations
- ◇ Part A(1) industrial activities
- ◆ Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- List 1 Dangerous Substances
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

30

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 45 >](#)

ID	Location	Company	Address	Activity	Category
1	On site	Pylon	Gwent, NP18	Electrical Features	Infrastructure and Facilities
2	On site	Pylon	Gwent, NP18	Electrical Features	Infrastructure and Facilities
3	On site	Pylon	Gwent, NP18	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
4	On site	Pylon	Gwent, NP18	Electrical Features	Infrastructure and Facilities
5	On site	Pylon	Gwent, NP18	Electrical Features	Infrastructure and Facilities
9	13m NW	Electricity Sub Station	Gwent, NP18	Electrical Features	Infrastructure and Facilities
11	21m NE	Pylon	Gwent, NP18	Electrical Features	Infrastructure and Facilities
14	27m SW	Solar Panels	Gwent, NP18	Energy Production	Industrial Features
15	28m SW	Pylon	Gwent, NP18	Electrical Features	Infrastructure and Facilities
D	34m SW	Sewage Works	Gwent, NP18	Waste Storage, Processing and Disposal	Infrastructure and Facilities
16	34m E	Electricity Sub Station	Gwent, NP18	Electrical Features	Infrastructure and Facilities
18	40m N	D K Green Civil Engineering	Pant Dyfn, Pentopyn, Gwent, NP18 1LQ	Civil Engineers	Engineering Services
D	47m SW	Solar Panels	Gwent, NP18	Energy Production	Industrial Features
E	48m E	Sludge Tanks	Gwent, NP18	Waste Storage, Processing and Disposal	Infrastructure and Facilities
19	49m E	Pylon	Gwent, NP18	Electrical Features	Infrastructure and Facilities
20	51m E	Pylon	Gwent, NP18	Electrical Features	Infrastructure and Facilities
G	79m SE	Electricity Sub Station	Gwent, NP18	Electrical Features	Infrastructure and Facilities
H	131m W	C S Waste Ltd	Candwr Farm, Candwr Road, Ponthir, Gwent, NP18 1HU	Recycling, Reclamation and Disposal	Recycling Services
22	152m S	System Cell Ltd	17, Badgers Meadow, Ponthir, Cwmbran, Gwent, NP18 1HG	Published Goods	Industrial Products
23	154m E	Pump	Gwent, NP18	Water Pumping Stations	Industrial Features
I	163m S	Spectrum Electronic Services	Bough Spring, Caerleon Road, Ponthir, Cwmbran, Gwent, NP18 1GD	Vehicle Parts and Accessories	Motoring
I	163m S	Spencers of Newport	Bough Spring, Caerleon Road, Ponthir, Cwmbran, Gwent, NP18 1GD	Rubber, Silicones and Plastics	Industrial Products



ID	Location	Company	Address	Activity	Category
I	163m S	Alan Dixon Auto Repair Services	Bough Spring, Caerleon Road, Ponthir, Cwmbran, Gwent, NP18 1GD	Vehicle Repair, Testing and Servicing	Repair and Servicing
24	177m NW	Electricity Sub Stations	Gwent, NP18	Electrical Features	Infrastructure and Facilities
25	190m SW	Electricity Sub Station	Gwent, NP18	Electrical Features	Infrastructure and Facilities
K	201m S	Talywain Salvage	Unit 23, Star Trading Estate, Caerleon, Newport, Gwent, NP18 1PQ	Scrap Metal Merchants	Recycling Services
K	201m S	Ponthir Engineering Services	Unit 23, Star Trading Estate, Caerleon, Newport, Gwent, NP18 1PQ	Industrial Engineers	Engineering Services
K	202m S	Tig Supplies Ltd	Unit 23b, Star Trading Estate, Ponthir, Newport, Gwent, NP18 1PQ	General Purpose Machinery	Industrial Products
27	222m NW	Pylon	Gwent, NP44	Electrical Features	Infrastructure and Facilities
28	243m SW	Stedman Brothers Events Ltd	Unit 25b, Star Trading Estate, Caerleon, Newport, Gwent, NP18 1PQ	Food and Beverage Industry Machinery	Industrial Products

This data is sourced from Ordnance Survey.

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

Records within 250m	12
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Current or recent tanks identified from the Ordnance Survey NGD.

Features are displayed on the Current industrial land use map on [page 45 >](#)

ID	Location	Tank description	Activity	Date first identified
17	37m NE	Open Storage Tank	Commercial Activity: Distribution Or Storage	16/05/2014
E	42m NE	Open Storage Tank	Commercial Activity: Distribution Or Storage	16/05/2014
E	42m NE	Open Storage Tank	Commercial Activity: Distribution Or Storage	16/05/2014
E	56m E	Open Sludge Tank	Utility Or Environmental Protection	16/05/2014
E	56m E	Open Sludge Tank	Utility Or Environmental Protection	16/05/2014
F	66m SW	Open Storage Tank	Commercial Activity: Distribution Or Storage	16/05/2014
F	73m SW	Open Storage Tank	Commercial Activity: Distribution Or Storage	16/05/2014



ID	Location	Tank description	Activity	Date first identified
E	75m E	Open Sludge Tank	Utility Or Environmental Protection	16/05/2014
E	75m E	Open Sludge Tank	Utility Or Environmental Protection	16/05/2014
E	90m N	Open Sludge Tank	Utility Or Environmental Protection	16/05/2014
E	91m NE	Open Sludge Tank	Utility Or Environmental Protection	16/05/2014
E	91m NE	Open Sludge Tank	Utility Or Environmental Protection	16/05/2014

This data is sourced from Ordnance Survey.

4.3 Current or recent petrol stations

Records within 500m	1
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Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 45 >](#)

ID	Location	Company	Address	LPG	Status
O	448m SW	JET	Ponthir Road, Caerleon, Newport, Newport, NP18 3NY	No	Open

This data is sourced from Experian.

4.4 Electricity cables

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

This data is sourced from National Grid.

4.5 Gas pipelines

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

This data is sourced from National Grid.



4.6 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.7 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.9 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.10 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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



4.11 Licensed industrial activities (Part A(1))

Records within 500m

1

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 45 >](#)

ID	Location	Details	
29	279m SW	Operator: BIOSAVE LTD Installation Name: PONTIR BIODIESEL Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: SP3134MP Original Permit Number: SP3134MP	EPR Reference: - Issue Date: 24/12/2007 Effective Date: 24/12/2007 Last date noted as effective: 17/11/2015 Status: REVOKED

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

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

Records within 500m

3

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 45 >](#)

ID	Location	Address	Details	
M	289m S	Cemex UK Materials Ltd, Star Ind Estate, Caerleon, Newport, South Wales, NP18 1PQ	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part A2 & B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
O	430m SW	Boxer Service Station, Ponthir Road, Caerleon, Newport, South Wales, Gwent, NP18 3NY	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
37	479m SW	Rmc Concrete Products, Star Industrial Estate, Ponthir Road, Caerleon, Newport, South Wales, Gwent, NP18 3XL	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.



4.13 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.14 Licensed Discharges to controlled waters

Records within 500m

20

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 45 >](#)

ID	Location	Address	Details	
6	On site	SHAFTESBURYCOTTAGECANDWRR OADPON, SHAFTESBURYCOTTAGECANDWRR OAD, CANDWRROADPONTHIR, PONTHIR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: AN0005901 Permit Version: 1 Receiving Water: CANDWR BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 20/06/1985 Effective Date: 20/06/1985 Revocation Date: -
A	1m E	OAKTREETCOTTAGECANDWRRDPON THIR, OAKTREETCOTTAGECANDWRRDPON TH, CANDWRRDPONTHIRNEWPORT, PONTHIRNEWPORT, NEWPORT	Effluent Type: UNSPECIFIED Permit Number: AN0134601 Permit Version: 1 Receiving Water: CANDWR BROOK	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 24/02/1989 Effective Date: 24/02/1989 Revocation Date: 17/01/1995
A	3m E	OAKTREETCOTTAGECANDWRRDPON THIR, OAKTREETCOTTAGECANDWRRDPON TH, CANDWRRDPONTHIRNEWPORT, PONTHIRNEWPORT, NEWPORT	Effluent Type: UNSPECIFIED Permit Number: AN0134602 Permit Version: 1 Receiving Water: AN UNNAMED TRIBUTARY OF CANDWR	Status: REVOKED - UNSPECIFIED Issue date: 06/03/1989 Effective Date: 06/03/1989 Revocation Date: 10/03/1994
B	5m SW	PONTHIRSTORMTANKS, PONTHIRSTORMTANKS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: AA0026501 Permit Version: 0 Receiving Water: AFON LWYD	Status: Effective Issue date: 16/06/1961 Effective Date: 16/06/1961 Revocation Date: -
7	8m E	THEBOARDINGKENNELSBROOKFAR MPON, THEBOARDINGKENNELSBROOKFAR M, BROOKFARMPONTHIR, PONTHIR	Effluent Type: UNSPECIFIED Permit Number: AC0124801 Permit Version: 1 Receiving Water: UNSPECIFIED	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 11/04/1980 Effective Date: 11/04/1980 Revocation Date: 19/04/1993



ID	Location	Address	Details	
B	19m S	PONTHIRSTWPONTHIRNEWPORT, PONTHIRSTW, PONTIR, NEWPORT, NEWPORTCBC, NP181PG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AB0064101 Permit Version: 1 Receiving Water: USK ESTUARY	Status: REVOKED - UNSPECIFIED Issue date: 30/01/1985 Effective Date: 30/01/1985 Revocation Date: 17/07/1991
B	19m S	PONTHIRSTWPONTHIRNEWPORT, PONTHIRSTW, PONTIR, NEWPORT, NEWPORTCBC, NP181PG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AB0064101 Permit Version: 2 Receiving Water: USK ESTUARY	Status: REVOKED - UNSPECIFIED Issue date: 18/07/1991 Effective Date: 18/07/1991 Revocation Date: 24/11/1991
B	19m S	PONTHIRSTWPONTHIRNEWPORT, PONTHIRSTW, PONTIR, NEWPORT, NEWPORTCBC, NP181PG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AB0064101 Permit Version: 3 Receiving Water: USK ESTUARY	Status: REVOKED - UNSPECIFIED Issue date: 25/11/1991 Effective Date: 25/11/1991 Revocation Date: 07/03/1997
12	23m NE	Court Farm WTW Ponthir Monmouthshire, Court Farm Water Treatment Works, Court Farm, Newport, NP18 1HT	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: AA0031401 Permit Version: 0 Receiving Water: An unnamed tributary of the Afon Lwyd	Status: Effective Issue date: 06/02/2020 Effective Date: 06/02/2020 Revocation Date: -
G	73m E	STW SERVING COURT FARM WTW, STW SERVING COURT FARM WTW	Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - WATER COMPANY Permit Number: AA0031201 Permit Version: 0 Receiving Water: AFON LWYD	Status: Effective Issue date: 09/04/1962 Effective Date: 09/04/1962 Revocation Date: -
G	73m E	STW SERVING COURT FARM WTW, STW SERVING COURT FARM WTW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AA0032001 Permit Version: 0 Receiving Water: UNNAMED TRIB OF AFON LWYD	Status: Effective Issue date: 04/01/1996 Effective Date: 05/01/1996 Revocation Date: -
21	77m SE	PONTIR2HOUSESATLAMBLANE,2 HOUSESATLAMBLANE	Effluent Type: UNSPECIFIED Permit Number: AC0130001 Permit Version: 1 Receiving Water: UNSPECIFIED	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 18/03/1981 Effective Date: 18/03/1981 Revocation Date: 05/04/1995



ID	Location	Address	Details	
26	210m NW	COURTFARMWTWPONTHIRMONMOUTH SIE, COURTFAWMWTW, PONTIR, MONMOUTHSHIRE, WALES	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: AA0031401 Permit Version: 3 Receiving Water: AFON LWYD TRIB	Status: Effective Issue date: 24/09/2009 Effective Date: 01/01/2010 Revocation Date: -
L	218m SW	WC & CANTEEN BLOCK STW, WC & CANTEEN BLOCK STW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: AA0007601 Permit Version: 0 Receiving Water: AFON LWYD	Status: Effective Issue date: 15/05/1956 Effective Date: 15/05/1956 Revocation Date: -
M	253m SW	PONTHIRCONCRETEPRODSTARTRA DI, PONTHIRCONCRETEPRODSTARTR, STARTRADINGESTATE	Effluent Type: UNSPECIFIED Permit Number: AN0001001 Permit Version: 1 Receiving Water: AFON LWYD	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 19/11/1984 Effective Date: 19/11/1984 Revocation Date: 31/10/1996
30	300m W	PONTHIRSTARVILLASPONTHIRAVE NU, PONTHIRSTARVILLASPONTHIRAV, PONTHIRAVENUE	Effluent Type: UNSPECIFIED Permit Number: AN0001601 Permit Version: 1 Receiving Water: AFON CLWYD	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 21/01/1985 Effective Date: 21/01/1985 Revocation Date: 31/07/1995
31	337m S	RIVERSIDE PARK SPS CAERLEON ROAD P, RIVERSIDE PARK SPS CAERLEON ROAD, CAERLEON ROAD PONTHIR, PONTHIR, PONTHIR	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: AN0257101 Permit Version: 0 Receiving Water: AFON LWYD	Status: Effective Issue date: 06/03/1995 Effective Date: 06/03/1995 Revocation Date: -
34	372m W	PONTHIRCAERLEONROAD1&2ROSE CO, PONTHIRCAERLEONROAD1&2ROSE , CAERLEONROAD1&2ROSECOTTAG E, 1&2ROSECOTTAGE	Effluent Type: UNSPECIFIED Permit Number: AC0134001 Permit Version: 1 Receiving Water: CANDWR BROOK	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 30/11/1981 Effective Date: 30/11/1981 Revocation Date: 25/09/1992
35	388m NW	MARINE CONTROL BUILDING SOUTH LOCK, MARINE CONTROL BUILDING SOUTH LO, SOUTH LOCK NEWPORT DOCKS, NEWPORT DOCKS, NEWPORT DOCKS	Effluent Type: - Permit Number: AN0232901 Permit Version: 0 Receiving Water: RIVER USK	Status: Effective Issue date: 13/05/1992 Effective Date: 13/05/1992 Revocation Date: -
36	437m NE	BARNNO1CASSANDRAFARMLLAN SOAR, BARNNO1, CASSANDRAFARM, LLANSOAR, CAERLEON, NP181LR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: AN0330201 Permit Version: 1 Receiving Water: A TRIB OF THE SOAR BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY Issue date: 10/02/2003 Effective Date: 10/02/2003 Revocation Date: -



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

4.15 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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

4.16 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

4.17 List 1 Dangerous Substances

Records within 500m

2

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.

Features are displayed on the Current industrial land use map on [page 45 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
B	19m S	Ponthir Stw	Active	Usk Estuary	Mercury (other), Cadmium
13	26m S	Knauf Insulation Ltd	Active	-	Mercury (other), Cadmium

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

4.18 List 2 Dangerous Substances

Records within 500m

7

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 45 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
B	19m S	Trw Ltd, New Road, New Inn, Pontypool, Gwent, NP4 0yz.	Active	Usk Estuary	Chromium, Copper, Nickel, Zinc



ID	Location	Name	Status	Receiving Water	Authorised Substances
B	19m S	Meritor Ltd., Grange Road, Cwmbran, Gwent, Np44 3xu.	Active	Usk Estuary	Chromium, Copper, Nickel, Zinc, Total metals (total)
B	19m S	Gwent Powder Coatings Ltd., Unit 37, Springvale Ind Est	Active	Usk Estuary	Chromium
B	19m S	Owens-corning Building Products(uk) Ltd., Chapel Lane	Active	Usk Estuary	Chromium, Copper, Nickel, Zinc, Total metals (non-ferrous)
B	19m S	Rechem International Ltd., New Road, Pontyfelin Ind Est	Active	Usk Estuary	Arsenic, Chromium, Copper, Lead, Nickel, Zinc
B	19m S	Terry Adams Ltd., Panteg Way, New Inn, Pontypool	Active	Usk Estuary	Chromium, Copper, Lead, Nickel, Zinc
B	19m S	Ponthir Stw	Active	Usk Estuary	Chromium, Copper, Lead, Nickel, Zinc

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

4.19 Pollution Incidents (EA/NRW)

Records within 500m

17

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 45 >](#)

ID	Location	Details	
8	9m S	Incident Date: 14/11/2014 Incident Identification: 1294353 Pollutant: Organic Chemicals/Products Pollutant Description: Pesticides and Biocides	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	17m W	Incident Date: 28/09/2001 Incident Identification: 33521 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	17m W	Incident Date: 28/09/2001 Incident Identification: 33521 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
10	21m SE	Incident Date: 22/11/2014 Incident Identification: 1296330 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)



ID	Location	Details	
G	91m SE	Incident Date: 05/07/2016 Incident Identification: 1603848 Pollutant: Inorganic Chemicals / Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 3 (Minor) Land Impact: No Details Air Impact: No Details
G	91m SE	Incident Date: 05/07/2016 Incident Identification: 1603848 Pollutant: - Pollutant Description: -	Water Impact: Category 3 (Minor) Land Impact: No Details Air Impact: No Details
H	140m E	Incident Date: 11/04/2013 Incident Identification: 1101707 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
J	172m SW	Incident Date: 28/04/2015 Incident Identification: 1333022 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	186m W	Incident Date: 03/10/2014 Incident Identification: 1283905 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	194m W	Incident Date: 18/10/2016 Incident Identification: 1606307 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: No Details Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	194m W	Incident Date: 18/10/2016 Incident Identification: 1606307 Pollutant: - Pollutant Description: -	Water Impact: No Details Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
L	226m SW	Incident Date: 15/05/2001 Incident Identification: 5563 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	255m SW	Incident Date: 17/09/2001 Incident Identification: 31196 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	266m SW	Incident Date: 08/01/2002 Incident Identification: 51101 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
N	266m SW	Incident Date: 20/04/2001 Incident Identification: 2869 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
32	346m SE	Incident Date: 02/07/2001 Incident Identification: 12835 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 3 (Minor) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
33	350m SW	Incident Date: 21/05/2013 Incident Identification: 1114951 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

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

4.20 Pollution inventory substances

Records within 500m

0

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

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

4.21 Pollution inventory waste transfers

Records within 500m

0

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

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

4.22 Pollution inventory radioactive waste

Records within 500m

0

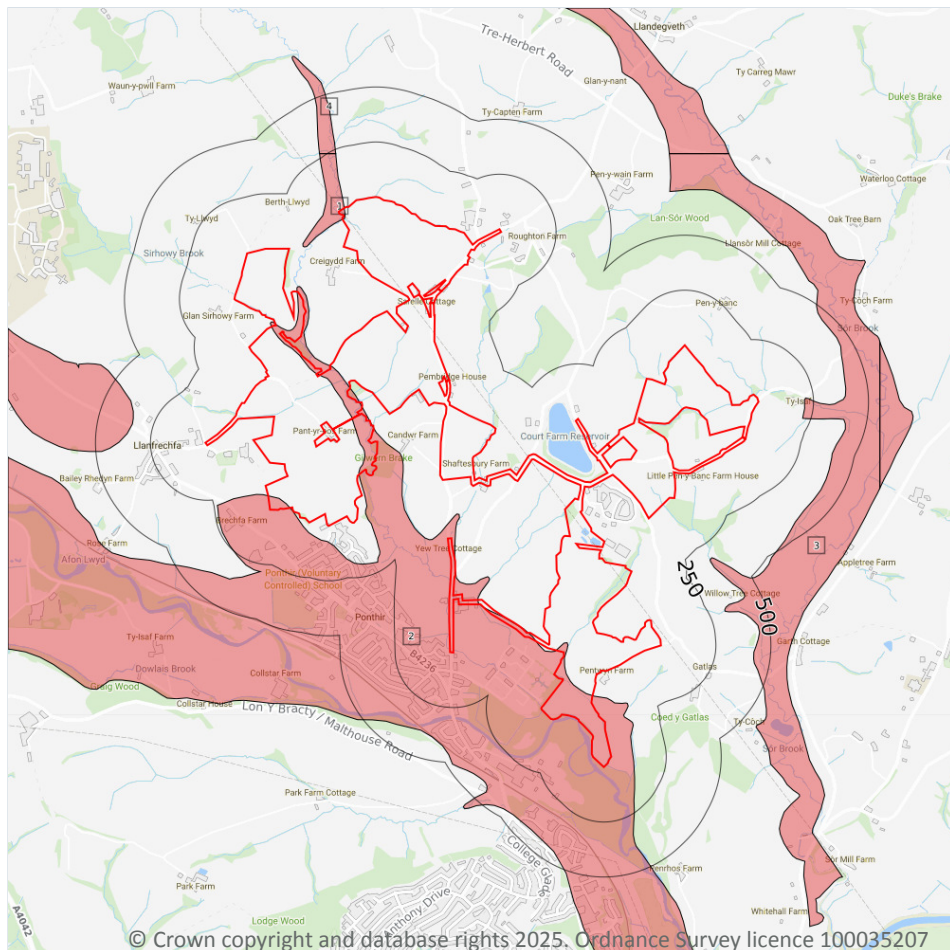
The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.



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



5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

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

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

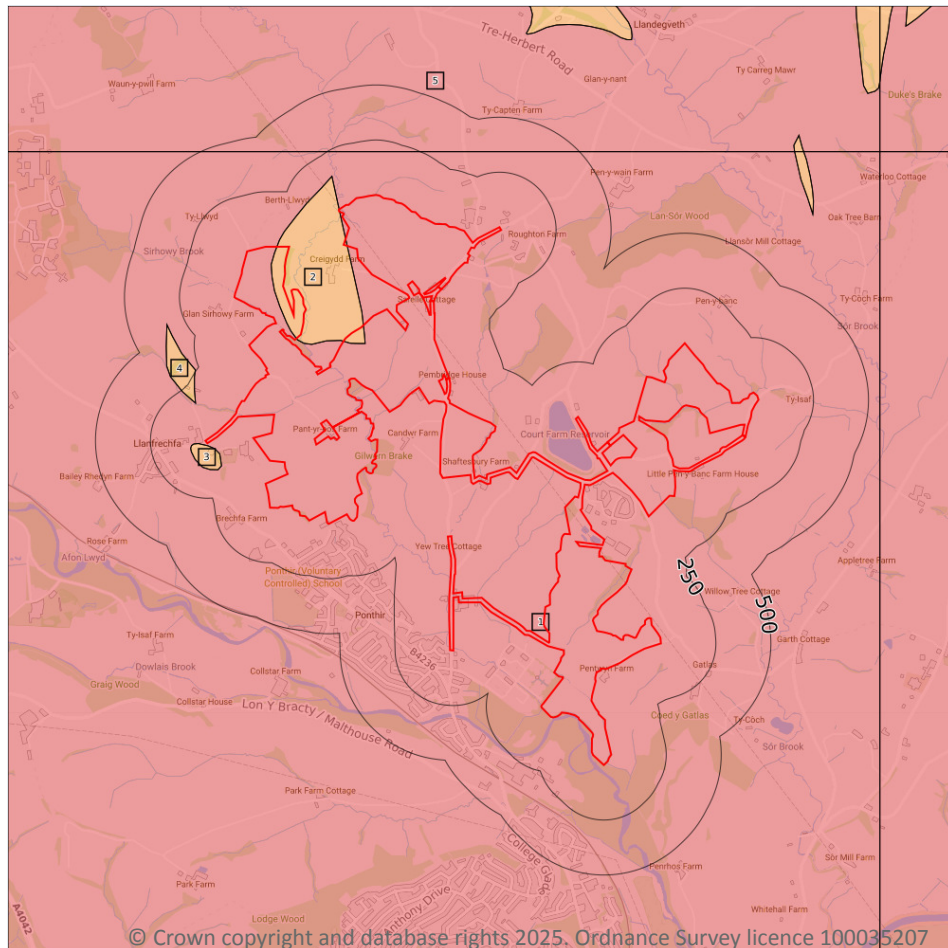


ID	Location	Designation	Description
3	209m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	232m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

5

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 61](#) >

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	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

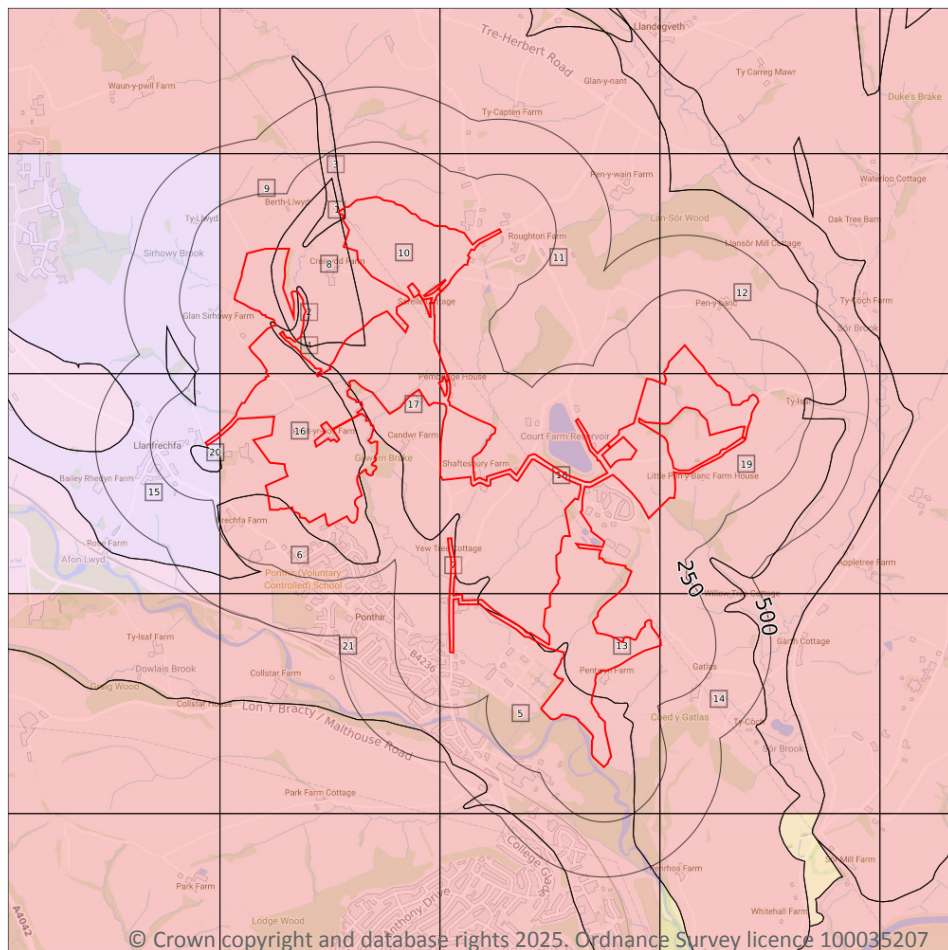


ID	Location	Designation	Description
3	11m S	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers
4	165m NW	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers
5	197m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m

21

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 63](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary 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, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
4	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
6	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
7	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
8	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
9	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
10	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
11	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
12	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
13	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
14	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
15	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
16	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
17	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
18	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
19	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
20	11m S	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
21	42m W	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

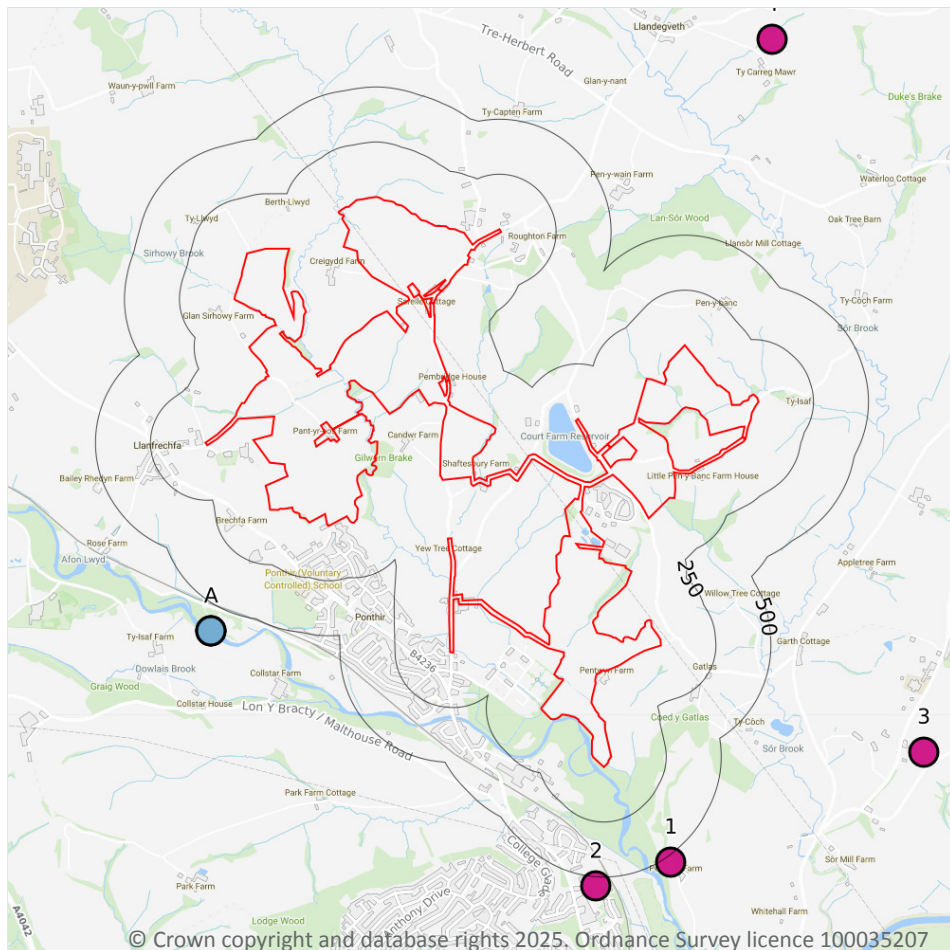
0

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

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



Abstractions and Source Protection Zones



- 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
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

8

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 68 >](#)



ID	Location	Details	
1	529m SE	Status: Historical Licence No: 20/56/12/0004 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT PENRHOS FARM Data Type: Point Name: Simons Easting: 334050 Northing: 191780	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 02/11/1970 Version End Date: -
2	543m S	Status: Historical Licence No: 20/56/12/0084 Details: Process Water Direct Source: EAW Groundwater Point: BOREHOLE AT CAERLEON READY MIX CONCRETE, CAERLEON Data Type: Point Name: Caerleon Readymix Concrete Ltd Easting: 333710 Northing: 191670	Annual Volume (m ³): 4800 Max Daily Volume (m ³): 18 Original Application No: - Original Start Date: 05/03/2002 Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 05/03/2002 Version End Date: -
3	1290m E	Status: Historical Licence No: 20/56/13/0010 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL NEAR PENCRAIG FARM Data Type: Point Name: Donnelly Easting: 335200 Northing: 192280	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 11/01/1993 Version End Date: -
-	1296m NE	Status: Active Licence No: WA/056/0013/0001 Details: General Use relating to Secondary category - Medium Loss - Medium Direct Source: Underground strata comprising of Downtown Castle S Point: - Data Type: Point Name: - Easting: 333836 Northing: 195823	Annual Volume (m ³): 18263 Max Daily Volume (m ³): 65 Original Application No: - Original Start Date: 20/12/2019 Expiry Date: 31/03/2026 Issue No: - Version Start Date: - Version End Date: -

ID	Location	Details	
-	1296m NE	Status: Historical Licence No: WA/056/0013/0001 Details: General Use relating to Secondary category - Medium Loss - Medium Direct Source: Underground strata comprising of Downtown Castle S Point: - Data Type: Point Name: - Easting: 333836 Northing: 195823	Annual Volume (m ³): 18263 Max Daily Volume (m ³): 86.4 Original Application No: - Original Start Date: 20/12/2019 Expiry Date: 31/03/2026 Issue No: - Version Start Date: - Version End Date: -
4	1446m N	Status: Historical Licence No: 20/56/13/0003 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL IN LLANGYBI FAWR Data Type: Point Name: Greenland Easting: 334510 Northing: 195520	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 07/03/1994 Version End Date: -
-	1588m E	Status: Historical Licence No: 20/56/13/0025 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT THE FARM, PENCRAIG Data Type: Point Name: O R & S R Evans Easting: 335550 Northing: 192400	Annual Volume (m ³): 8200 Max Daily Volume (m ³): 31 Original Application No: - Original Start Date: - Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 06/02/2004 Version End Date: -
-	1588m E	Status: Historical Licence No: 20/56/13/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Groundwater Point: BOREHOLE AT THE FARM, PENCRAIG Data Type: Point Name: O R & S R Evans Easting: 335550 Northing: 192400	Annual Volume (m ³): 8200 Max Daily Volume (m ³): 31 Original Application No: - Original Start Date: - Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 06/02/2004 Version End Date: -

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



5.7 Surface water abstractions

Records within 2000m

17

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 68 >](#)

ID	Location	Details	
A	613m SW	Status: Historical Licence No: 20/56/12/0060 Details: Effluent/Slurry Dilution Direct Source: EAW Surface Water Point: AFON LWYD (SEWAGE WORKS) Data Type: Point Name: Dwr Cymru Cyfyngedig Easting: 331960 Northing: 192830	Annual Volume (m ³): 237900 Max Daily Volume (m ³): 650 Original Application No: - Original Start Date: 02/11/1970 Expiry Date: - Issue No: 100 Version Start Date: 12/03/2008 Version End Date: -
A	613m SW	Status: Historical Licence No: 20/56/12/0060 Details: Effluent / Slurry Dilution - Very Low Direct Source: - Point: - Data Type: Point Name: - Easting: 331960 Northing: 192830	Annual Volume (m ³): 237900 Max Daily Volume (m ³): 864 Original Application No: - Original Start Date: 12/03/2008 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
A	613m SW	Status: Active Licence No: 20/56/12/0060 Details: Effluent / Slurry Dilution - Very Low Direct Source: - Point: - Data Type: Point Name: - Easting: 331960 Northing: 192830	Annual Volume (m ³): 237900 Max Daily Volume (m ³): 650 Original Application No: - Original Start Date: 12/03/2008 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1676m E	Status: Historical Licence No: 20/56/13/0015 Details: General Farming & Domestic Direct Source: EAW Surface Water Point: SPRING ON GLEN USK ESTATE (POINT 2) Data Type: Point Name: Evans Easting: 335960 Northing: 193120	Annual Volume (m ³): 5791.4 Max Daily Volume (m ³): 15.857 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 28/09/2006 Version End Date: -



ID	Location	Details	
-	1676m E	Status: Historical Licence No: 20/56/13/0015 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Surface Water Point: SPRING ON GLEN USK ESTATE (POINT 2) Data Type: Point Name: Evans Easting: 335960 Northing: 193120	Annual Volume (m ³): 5791.4 Max Daily Volume (m ³): 15.857 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 28/09/2006 Version End Date: -
-	1738m E	Status: Historical Licence No: 20/56/13/0014 Details: General Farming & Domestic Direct Source: EAW Surface Water Point: SPRING NEAR GLEN USK (POINT 3) Data Type: Point Name: Burge Easting: 336150 Northing: 193520	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 25/03/1970 Version End Date: -
-	1738m E	Status: Historical Licence No: 20/56/13/0014 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Surface Water Point: SPRING NEAR GLEN USK (POINT 3) Data Type: Point Name: Burge Easting: 336150 Northing: 193520	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 25/03/1970 Version End Date: -
-	1843m W	Status: Active Licence No: 20/56/12/0064 Details: Lake & Pond Throughflow - Very Low Direct Source: - Point: - Data Type: Point Name: - Easting: 330172 Northing: 194226	Annual Volume (m ³): 227300 Max Daily Volume (m ³): 1363.8 Original Application No: - Original Start Date: 12/03/2008 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1843m W	Status: Historical Licence No: 20/56/12/0064 Details: Lake & Pond Throughflow Direct Source: EAW Surface Water Point: INTAKE FROM CWMBRAN BROOK TO BOATING LAKE Data Type: Point Name: Torfaen County Borough Council Easting: 330172 Northing: 194226	Annual Volume (m ³): 227300 Max Daily Volume (m ³): 1363.8 Original Application No: - Original Start Date: 11/12/1972 Expiry Date: - Issue No: 100 Version Start Date: 12/03/2008 Version End Date: -



ID	Location	Details	
-	1843m W	Status: Historical Licence No: 20/56/12/0064 Details: Lake & Pond Throughflow - Very Low Direct Source: - Point: - Data Type: Point Name: - Easting: 330172 Northing: 194226	Annual Volume (m ³): 227300 Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/03/2008 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1848m S	Status: Historical Licence No: 20/56/11/0014 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: SPRING AND POND AT CAERLEON GOLF COURSE Data Type: Point Name: Celtic Manor Resort Easting: 333220 Northing: 190440	Annual Volume (m ³): 5564 Max Daily Volume (m ³): 36.37 Original Application No: - Original Start Date: 25/05/1976 Expiry Date: - Issue No: 102 Version Start Date: 06/05/2015 Version End Date: -
-	1848m S	Status: Historical Licence No: 20/56/11/0014 Details: Spray Irrigation - Direct - High Direct Source: Groundwater fed spring and pond Point: - Data Type: Point Name: - Easting: 333220 Northing: 190440	Annual Volume (m ³): 5564 Max Daily Volume (m ³): 109.1 Original Application No: - Original Start Date: 06/05/2015 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1848m S	Status: Active Licence No: 20/56/11/0014 Details: Spray Irrigation - Direct - High Direct Source: Groundwater fed spring and pond Point: - Data Type: Point Name: - Easting: 333220 Northing: 190440	Annual Volume (m ³): 5564 Max Daily Volume (m ³): 36.37 Original Application No: - Original Start Date: 06/05/2015 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1873m E	Status: Historical Licence No: 20/56/13/0015 Details: General Farming & Domestic Direct Source: EAW Surface Water Point: SPRING ON GLEN USK ESTATE (POINT 8) Data Type: Point Name: Evans Easting: 335770 Northing: 192140	Annual Volume (m ³): 5791.4 Max Daily Volume (m ³): 15.857 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 28/09/2006 Version End Date: -



ID	Location	Details	
-	1873m E	Status: Historical Licence No: 20/56/13/0015 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Surface Water Point: SPRING ON GLEN USK ESTATE (POINT 8) Data Type: Point Name: Evans Easting: 335770 Northing: 192140	Annual Volume (m ³): 5791.4 Max Daily Volume (m ³): 15.857 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 28/09/2006 Version End Date: -
-	1917m E	Status: Historical Licence No: 20/56/13/0015 Details: General Farming & Domestic Direct Source: EAW Surface Water Point: SPRING ON GLEN USK ESTATE (POINT 8A) Data Type: Point Name: Evans Easting: 335810 Northing: 192120	Annual Volume (m ³): 5791.4 Max Daily Volume (m ³): 15.857 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 28/09/2006 Version End Date: -
-	1917m E	Status: Historical Licence No: 20/56/13/0015 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Surface Water Point: SPRING ON GLEN USK ESTATE (POINT 8A) Data Type: Point Name: Evans Easting: 335810 Northing: 192120	Annual Volume (m ³): 5791.4 Max Daily Volume (m ³): 15.857 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 28/09/2006 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

5

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 68](#) >



ID	Location	Details	
-	1588m E	Status: Historical Licence No: 20/56/13/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Groundwater Point: BOREHOLE AT THE FARM, PENCRAIG Data Type: Point Name: O R & S R Evans Easting: 335550 Northing: 192400	Annual Volume (m ³): 8200 Max Daily Volume (m ³): 31 Original Application No: - Original Start Date: - Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 06/02/2004 Version End Date: -
-	1676m E	Status: Historical Licence No: 20/56/13/0015 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Surface Water Point: SPRING ON GLEN USK ESTATE (POINT 2) Data Type: Point Name: Evans Easting: 335960 Northing: 193120	Annual Volume (m ³): 5791.4 Max Daily Volume (m ³): 15.857 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 28/09/2006 Version End Date: -
-	1738m E	Status: Historical Licence No: 20/56/13/0014 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Surface Water Point: SPRING NEAR GLEN USK (POINT 3) Data Type: Point Name: Burge Easting: 336150 Northing: 193520	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 25/03/1970 Version End Date: -
-	1873m E	Status: Historical Licence No: 20/56/13/0015 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Surface Water Point: SPRING ON GLEN USK ESTATE (POINT 8) Data Type: Point Name: Evans Easting: 335770 Northing: 192140	Annual Volume (m ³): 5791.4 Max Daily Volume (m ³): 15.857 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 28/09/2006 Version End Date: -

ID	Location	Details	
-	1917m E	Status: Historical Licence No: 20/56/13/0015 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Surface Water Point: SPRING ON GLEN USK ESTATE (POINT 8A) Data Type: Point Name: Evans Easting: 335810 Northing: 192120	Annual Volume (m ³): 5791.4 Max Daily Volume (m ³): 15.857 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 28/09/2006 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	0
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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.

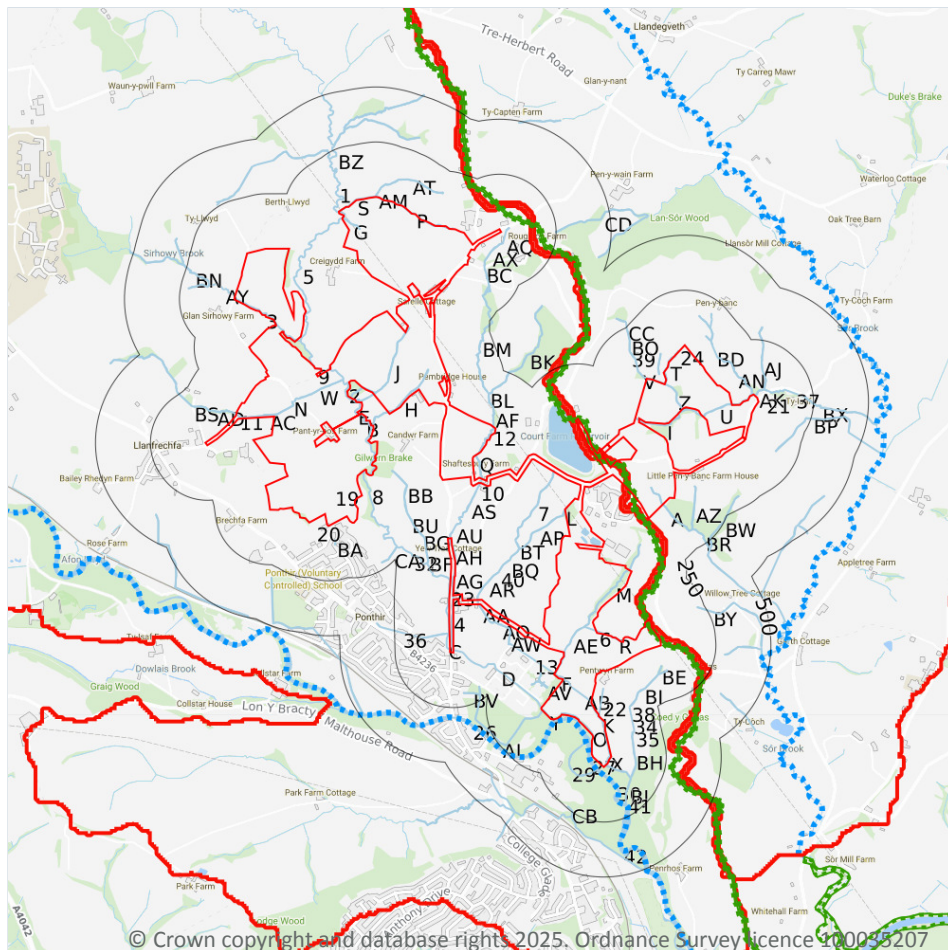
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0
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Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

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

6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

200

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

Features are displayed on the Hydrology map on [page 77](#) >

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



ID	Location	Type of water feature	Ground level	Permanence	Name
2	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
3	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Sirhowy Brook
4	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
6	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
7	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
8	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
9	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
10	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
11	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
12	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
13	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
H	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
I	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
N	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
Q	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
V	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
X	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Y	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
Y	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
Z	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AA	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
AA	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AA	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AB	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AC	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AD	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AE	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AE	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AE	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AE	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AE	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AE	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AF	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
AG	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AH	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AK	1m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
22	1m E	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
AL	2m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
23	2m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
O	3m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Lwyd
AM	3m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
24	3m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	3m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Lwyd
C	5m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AN	5m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	7m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
E	7m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	7m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	8m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	8m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Lwyd
O	8m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Lwyd
26	11m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Lwyd
27	12m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Lwyd
AO	13m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	15m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Lwyd
AP	19m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AA	20m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
E	20m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AQ	21m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
AA	21m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
T	21m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AR	24m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AQ	25m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	25m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Lwyd
AS	26m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AM	26m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
29	27m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Lwyd
30	30m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Lwyd
AT	30m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	31m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AV	34m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	34m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
AV	34m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AK	42m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AW	44m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AX	45m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AK	46m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AW	48m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	49m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AK	49m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	55m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AY	55m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Sirhowy Brook
AK	56m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AY	60m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Sirhowy Brook
AZ	60m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
AV	61m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	62m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	62m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	62m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	62m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	62m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	62m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	62m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AK	63m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	66m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BA	69m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	70m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	73m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	74m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
AV	76m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BC	77m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BD	77m NE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
BC	80m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BE	88m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BD	95m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BC	99m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BD	101m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BF	102m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BG	103m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BF	103m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BH	103m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BD	105m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
32	110m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
AU	111m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BC	113m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BE	114m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BC	121m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BI	121m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BJ	122m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
34	123m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
35	123m E	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
36	126m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
AY	126m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AY	126m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Sirhowy Brook
BK	127m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
BL	127m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
37	128m E	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
BL	130m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
38	130m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BM	132m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BD	139m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BD	139m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BN	141m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Sirhowy Brook
BD	143m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BD	143m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
39	144m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BO	146m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
40	147m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
BP	148m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BQ	151m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BC	154m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
41	155m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
BC	164m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BR	166m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BS	167m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BD	170m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BS	172m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BT	172m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BU	174m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BD	177m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BV	189m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
BV	192m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BT	195m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BW	195m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
42	198m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Afon Lwyd
BX	211m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BY	218m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BU	218m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BZ	220m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Candwr Brook
CA	220m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CA	221m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BZ	224m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BV	225m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BZ	227m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
CB	243m SW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
CC	243m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CB	244m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CD	246m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

68

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

Features are displayed on the Hydrology map on [page 77 >](#)

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

2

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 77 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
19	On site	River WB catchment	Afon Lwyd - below Mon and Brecon Canal	GB109056032911	Llwyd	Usk
AJ	On site	River WB catchment	Sor Bk - source to Sor Bk Br	GB109056026900	Usk below Abergavenny	Usk



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

6.4 WFD Surface water bodies

Records identified

2

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.

Features are displayed on the Hydrology map on [page 77 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
25	10m S	River	Afon Lwyd - below Mon and Brecon Canal	GB109056032911	Good	Good	Good	2016
52	458m E	River	Sor Bk - source to Sor Bk Br	GB109056026900	Moderate	Good	Moderate	2016

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

6.5 WFD Groundwater bodies

Records on site

2

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place.

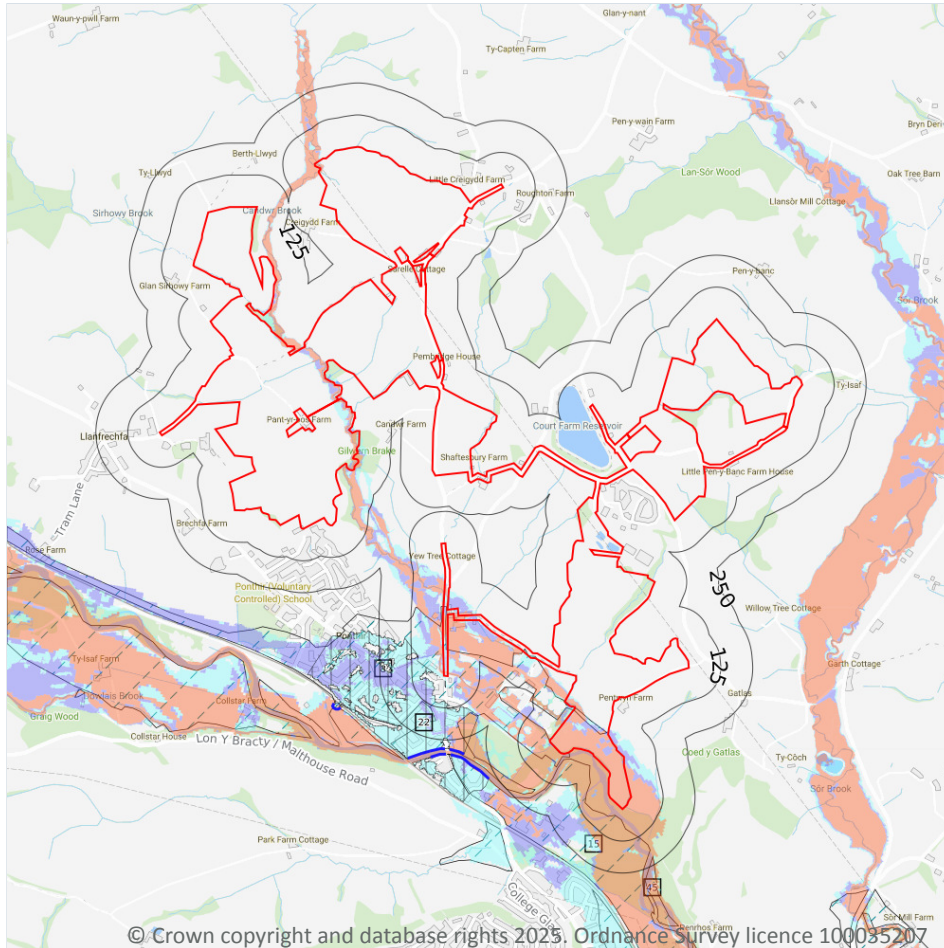
Features are displayed on the Hydrology map on [page 77 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
20	On site	SE Valleys Eastern Devonian Old Red Sandstone	GB40902G204700	Good	Good	Good	2017
21	On site	Usk Devonian Old Red Sandstone	GB40902G201700	Good	Good	Good	2017

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



7 River and coastal flooding



— Site Outline

Search buffers in metres (m)

River and coastal flooding:

High

Medium

Low

Very Low

Historical Flood Events

Areas Used for Flood Storage

Areas Benefiting from Flood Defences

Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m

969

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).

Features are displayed on the River and coastal flooding map on [page 95](#) >



Distance	Flood risk category
On site	High
0 - 50m	High

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

7.2 Historical Flood Events

Records within 250m	3
----------------------------	----------

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.

Features are displayed on the River and coastal flooding map on [page 95 >](#)

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
8	On site	Ponthir December 1979 02	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial
15	22m S	Caerleon December 1979 05	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial Tidal
45	220m SE	Caerleon December 1979 05	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial Tidal

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**7**

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.

Features are displayed on the River and coastal flooding map on [page 95 >](#)

ID	Location	
B	17m W	Area benefiting from flood defences
B	19m S	Area benefiting from flood defences
B	24m W	Area benefiting from flood defences
B	32m W	Area benefiting from flood defences
B	40m W	Area benefiting from flood defences
B	46m W	Area benefiting from flood defences
22	48m W	Area benefiting from flood defences

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

7.5 Flood Storage Areas

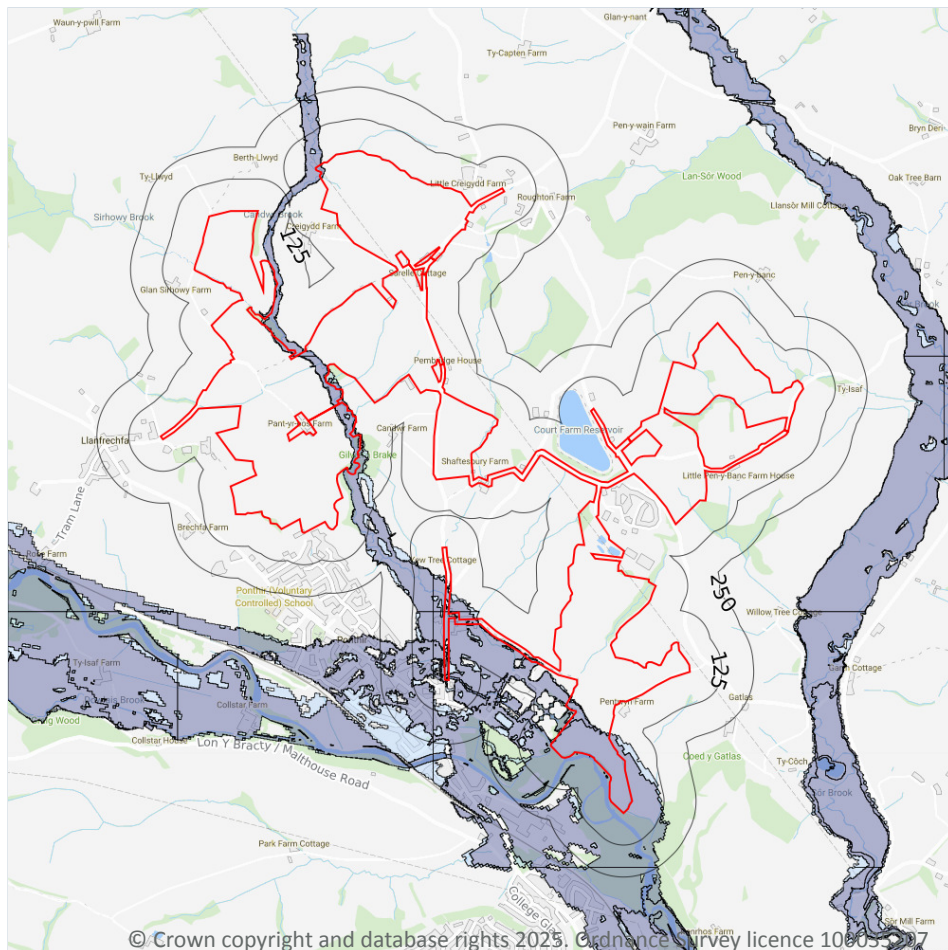
Records within 250m**0**

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



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

7.6 Flood Zone 2

Records within 50m

1

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.

Features are displayed on the River and coastal flooding map on [page 95 >](#)

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

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



7.7 Flood Zone 3

Records within 50m

1

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.

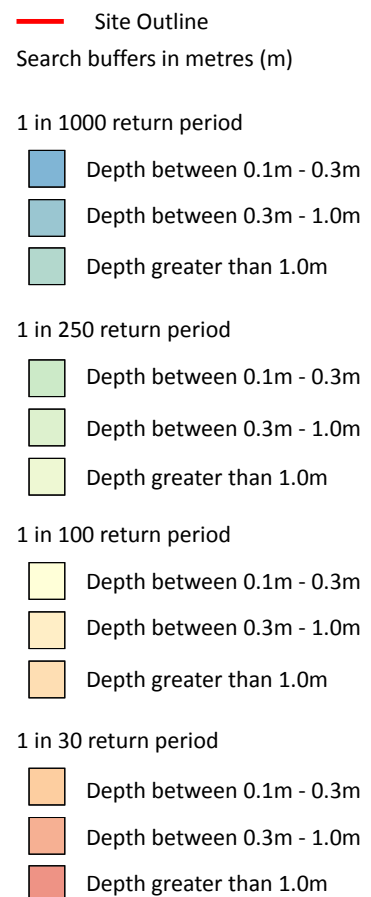
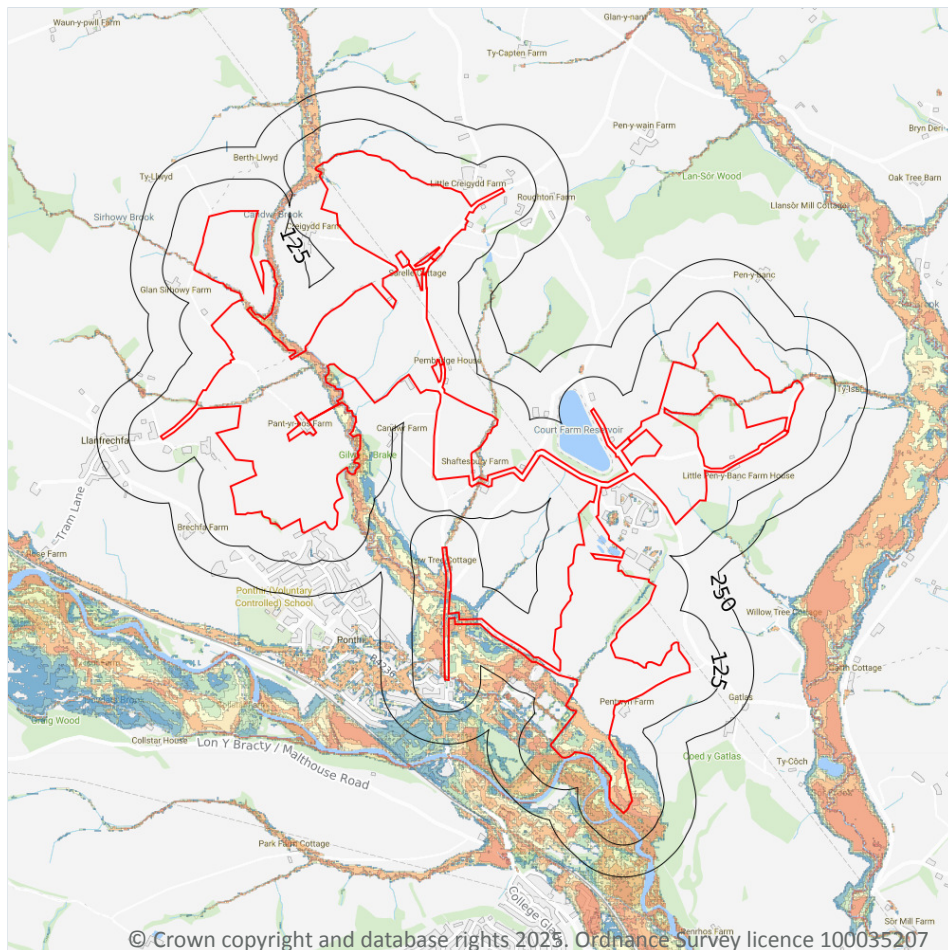
Features are displayed on the River and coastal flooding map on [page 95 >](#)

Location	Type
On site	Zone 3 - (Fluvial /Tidal Models)

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

1 in 30 year, Greater than 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

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.

Features are displayed on the Surface water flooding map on [page 100](#) >

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.

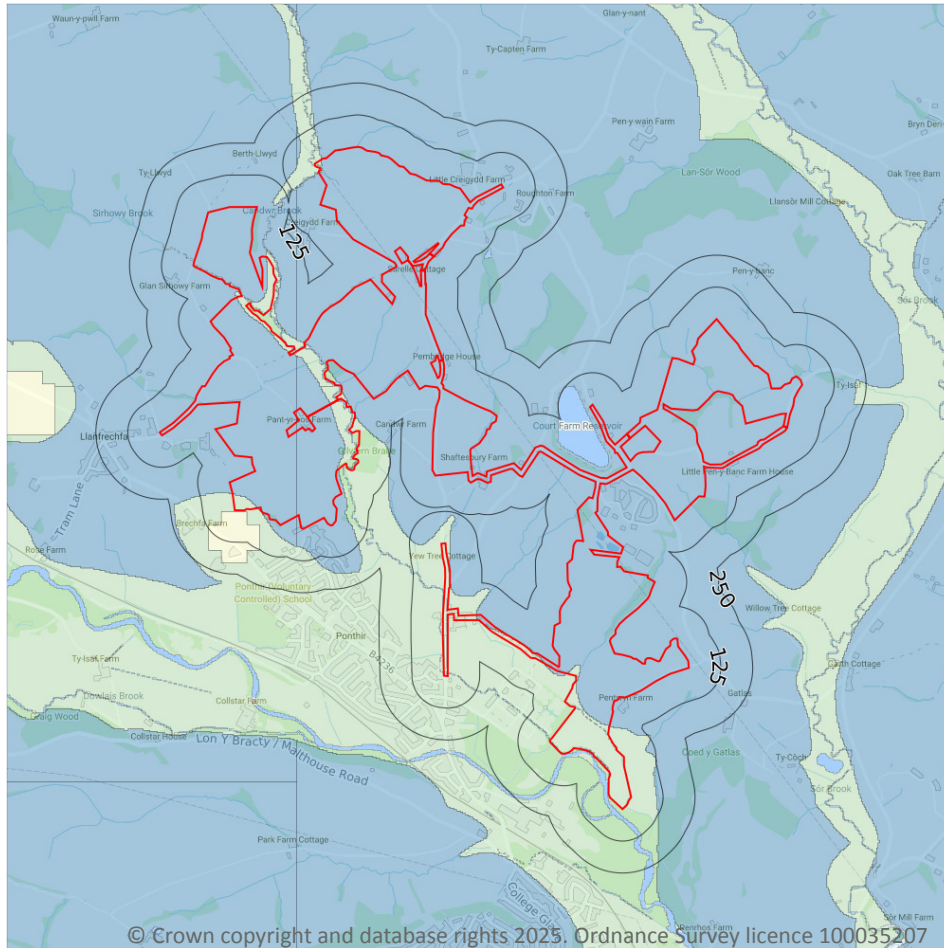
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Greater than 1.0m

This data is sourced from Ambiantal 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

Low

Highest risk within 50m

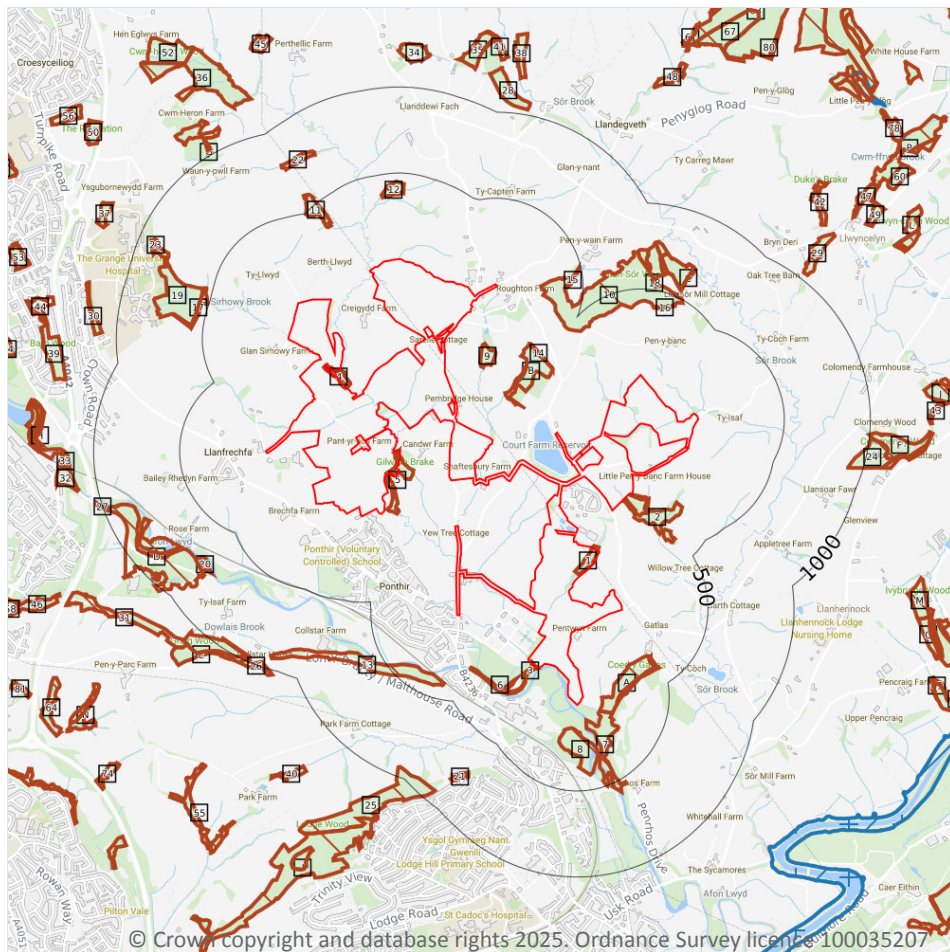
Moderate

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

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

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- ▢ Sites of Special Scientific Interest (SSSI)
- + Special Areas of Conservation (SAC)
- + Local Nature Reserves (LNR)
- ▨ Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 103](#) >

ID	Location	Name	Data source
K	1384m SE	River Usk (Lower Usk) / Afon Wysg (Wysg Isaf)	Natural Resources Wales



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

1

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

Features are displayed on the Environmental designations map on [page 103 >](#)

ID	Location	Name	Features of interest	Habitat description	Data source
K	1384m SE	River Usk / Afon Wysg	Estuaries; Intertidal mudflats and sandflats; Atlantic salt meadows; Rivers with floating vegetation often dominated by water-crowfoot; Beech forests on neutral to rich soils; Mixed woodland on base-rich soils associated with rocky slopes; Western acidic oak woodland; Bog woodland; Alder woodland on floodplains; Sea lamprey; Brook lamprey; River lamprey; Allis shad; Twaite shad; Atlantic salmon; Bullhead; Freshwater pearl mussel; White-clawed (or Atlantic stream) crayfish; Lesser horseshoe bat; Otter	Improved grassland; Dry grassland, Steppes; Inland water bodies (Standing water, Running water); Broad-leaved deciduous woodland; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Bogs, Marshes, Water fringed vegetation, Fens; Heath, Scrub, Maquis and Garrigue, Phygrana; Humid grassland, Mesophile grassland	Natural Resources Wales

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

119

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

Features are displayed on the Environmental designations map on [page 103 >](#)

ID	Location	Name	Woodland Type
1	On site	Unknown	Ancient Semi Natural Woodland
2	On site	Unknown	Ancient Semi Natural Woodland
3	On site	Unknown	Ancient Semi Natural Woodland
4	On site	Unknown	Ancient Semi Natural Woodland



ID	Location	Name	Woodland Type
5	On site	Unknown	Ancient Semi Natural Woodland
6	99m SW	Unknown	Ancient Semi Natural Woodland
7	102m SE	Unknown	Ancient Semi Natural Woodland
A	109m E	Unknown	Ancient Semi Natural Woodland
8	138m S	Unknown	Ancient Semi Natural Woodland
9	187m SE	Unknown	Ancient Semi Natural Woodland
A	200m E	Unknown	Ancient Semi Natural Woodland
B	245m NE	Unknown	Ancient Semi Natural Woodland
10	256m E	Unknown	Ancient Semi Natural Woodland
11	346m NW	Unknown	Ancient Semi Natural Woodland
B	351m NE	Unknown	Ancient Semi Natural Woodland
12	368m N	Unknown	Restored Ancient Woodland Site
13	369m S	Unknown	Restored Ancient Woodland Site
14	371m N	Unknown	Ancient Semi Natural Woodland
15	396m E	Unknown	Ancient Semi Natural Woodland
16	398m N	Unknown	Ancient Semi Natural Woodland
17	510m W	Unknown	Restored Ancient Woodland Site
18	529m N	Unknown	Ancient Semi Natural Woodland
C	543m NE	Unknown	Ancient Semi Natural Woodland
19	553m W	Unknown	Restored Ancient Woodland Site
C	559m NE	Unknown	Ancient Semi Natural Woodland
C	562m N	Unknown	Plantation on Ancient Woodland Site
C	598m N	Unknown	Ancient Semi Natural Woodland
C	602m N	Unknown	Ancient Semi Natural Woodland
C	694m N	Unknown	Plantation on Ancient Woodland Site
20	706m SW	Unknown	Ancient Semi Natural Woodland
21	726m SW	Unknown	Ancient Semi Natural Woodland
D	728m SW	Unknown	Restored Ancient Woodland Site



ID	Location	Name	Woodland Type
22	738m NW	Unknown	Plantation on Ancient Woodland Site
D	741m SW	Unknown	Restored Ancient Woodland Site
23	871m W	Unknown	Restored Ancient Woodland Site
24	914m E	Unknown	Ancient Semi Natural Woodland
25	926m SW	Unknown	Ancient Semi Natural Woodland
E	952m SW	Unknown	Restored Ancient Woodland Site
E	955m SW	Unknown	Restored Ancient Woodland Site
26	972m S	Unknown	Ancient Semi Natural Woodland
27	978m W	Unknown	Ancient Woodland Site of Unknown Category
F	998m E	Unknown	Restored Ancient Woodland Site
G	1008m NW	Unknown	Ancient Semi Natural Woodland
28	1031m N	Unknown	Ancient Semi Natural Woodland
G	1033m NW	Unknown	Ancient Woodland Site of Unknown Category
29	1037m NE	Unknown	Restored Ancient Woodland Site
G	1081m NW	Unknown	Ancient Semi Natural Woodland
30	1083m W	Unknown	Ancient Semi Natural Woodland
31	1101m SW	Unknown	Ancient Semi Natural Woodland
F	1106m E	Unknown	Restored Ancient Woodland Site
32	1110m W	Unknown	Restored Ancient Woodland Site
33	1142m W	Unknown	Restored Ancient Woodland Site
34	1143m N	Unknown	Ancient Semi Natural Woodland
H	1174m W	Unknown	Ancient Semi Natural Woodland
35	1184m N	Unknown	Ancient Semi Natural Woodland
36	1193m N	Unknown	Ancient Semi Natural Woodland
37	1204m W	Unknown	Restored Ancient Woodland Site
38	1205m N	Unknown	Ancient Semi Natural Woodland
39	1235m W	Unknown	Ancient Semi Natural Woodland
40	1253m SW	Unknown	Ancient Semi Natural Woodland



ID	Location	Name	Woodland Type
I	1256m S	Unknown	Ancient Semi Natural Woodland
41	1288m NE	Unknown	Ancient Semi Natural Woodland
H	1298m W	Unknown	Ancient Semi Natural Woodland
42	1321m NE	Unknown	Restored Ancient Woodland Site
J	1324m E	Unknown	Ancient Semi Natural Woodland
43	1341m E	Unknown	Restored Ancient Woodland Site
44	1378m W	Unknown	Ancient Semi Natural Woodland
45	1407m NW	Unknown	Ancient Semi Natural Woodland
J	1422m E	Unknown	Ancient Semi Natural Woodland
46	1458m SW	Unknown	Ancient Semi Natural Woodland
47	1468m NE	Unknown	Ancient Semi Natural Woodland
48	1470m NE	Unknown	Restored Ancient Woodland Site
49	1485m NE	Unknown	Ancient Semi Natural Woodland
50	1492m NW	Unknown	Ancient Semi Natural Woodland
L	1515m NE	Unknown	Restored Ancient Woodland Site
M	1530m SE	Unknown	Ancient Semi Natural Woodland
L	1535m NE	Unknown	Ancient Semi Natural Woodland
-	1536m N	Unknown	Ancient Semi Natural Woodland
52	1542m NW	Unknown	Ancient Semi Natural Woodland
53	1563m W	Unknown	Ancient Semi Natural Woodland
54	1566m W	Unknown	Ancient Semi Natural Woodland
I	1597m SW	Unknown	Plantation on Ancient Woodland Site
N	1645m SW	Unknown	Ancient Semi Natural Woodland
55	1653m SW	Unknown	Ancient Semi Natural Woodland
56	1658m NW	Unknown	Ancient Semi Natural Woodland
O	1663m SE	Unknown	Plantation on Ancient Woodland Site
-	1664m N	Unknown	Ancient Semi Natural Woodland
M	1677m SE	Unknown	Ancient Semi Natural Woodland



ID	Location	Name	Woodland Type
P	1690m NE	Unknown	Ancient Semi Natural Woodland
58	1693m SW	Unknown	Restored Ancient Woodland Site
O	1710m SE	Unknown	Plantation on Ancient Woodland Site
-	1722m NE	Unknown	Restored Ancient Woodland Site
O	1732m SE	Unknown	Ancient Semi Natural Woodland
60	1734m NE	Unknown	Ancient Semi Natural Woodland
N	1740m SW	Unknown	Ancient Semi Natural Woodland
O	1749m SE	Unknown	Ancient Semi Natural Woodland
61	1751m NE	Unknown	Restored Ancient Woodland Site
-	1760m N	Unknown	Ancient Semi Natural Woodland
O	1762m SE	Unknown	Ancient Semi Natural Woodland
63	1773m NE	Unknown	Restored Ancient Woodland Site
64	1789m SW	Unknown	Ancient Semi Natural Woodland
-	1791m NE	Unknown	Restored Ancient Woodland Site
66	1801m NW	Unknown	Ancient Semi Natural Woodland
67	1804m NE	Unknown	Restored Ancient Woodland Site
-	1818m E	Unknown	Restored Ancient Woodland Site
69	1835m E	Unknown	Restored Ancient Woodland Site
-	1846m N	Unknown	Ancient Semi Natural Woodland
-	1854m E	Unknown	Ancient Semi Natural Woodland
72	1859m E	Unknown	Restored Ancient Woodland Site
-	1887m E	Unknown	Ancient Semi Natural Woodland
74	1899m SW	Unknown	Ancient Semi Natural Woodland
-	1912m E	Unknown	Ancient Woodland Site of Unknown Category
-	1914m NE	Unknown	Restored Ancient Woodland Site
-	1928m W	Unknown	Ancient Semi Natural Woodland
78	1936m NE	Unknown	Ancient Semi Natural Woodland
-	1940m SE	Unknown	Restored Ancient Woodland Site

ID	Location	Name	Woodland Type
80	1943m N	Unknown	Restored Ancient Woodland Site
81	1958m SW	Unknown	Ancient Semi Natural Woodland
P	1976m NE	Unknown	Ancient Semi Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

0

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.

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



SSSI Impact Zones and Units

10.17 SSSI Impact Risk Zones

Records on site

0

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

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

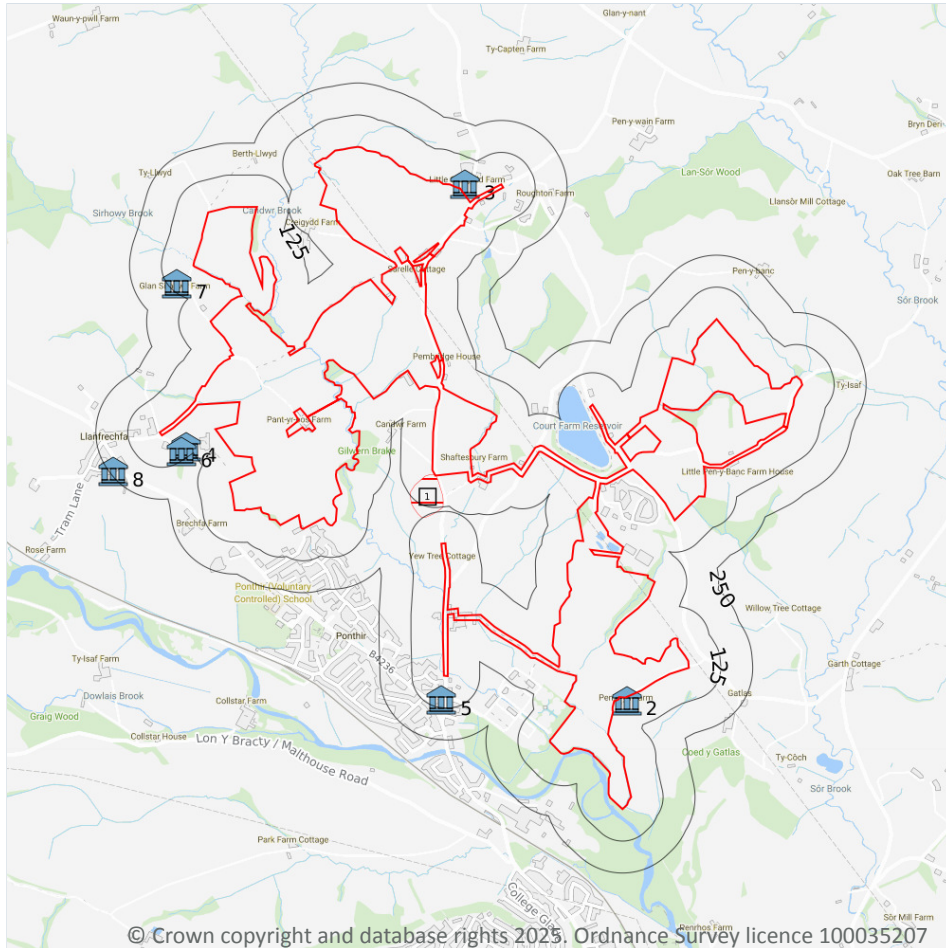
0

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

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



11 Visual and cultural designations



- 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

7

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 114 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
2	12m SE	Barn At Pen-Twyn Farm, About 2000m North Of The Church Of St. Cadoc Approached Up A Lane From The West Side Of The Usk Road Via Gatlas.	II	26129	18/01/2002
3	25m NE	Little Creiggydd, In The North-West Corner Of The Community Near The Village Of Llanddewi-Fach In Llangibby Community.	II	2674	18/11/1980

ID	Location	Name	Grade	Reference Number	Listed date
4	90m SE	Church Of All Saints, In A Rural Location On The Ne Side Of Llanfrechfa Some 300m E Of The Junction Of Church Road And The B4236.	II*	3142	22/01/1981
5	96m S	Ponthir House Inn, In Ponthir Village On The Ne Side Of The B4236 Between Stokes Drive And Candwr Road.	II	3144	22/01/1981
6	96m SE	Churchyard Cross At Church Of All Saints, On The S Side Of The Churchyard Approxiamtely 20m S Of The Church Porch.	II	81935	22/10/2003
7	98m SW	Glansirhowy Farm, Some 700m Ne Of The Centre Of Llanfrechfa Village, Reached By A Track N Off Church Road.	II	3141	04/03/1952
8	237m SW	The Vicarage, In Llanfrechfa Village On The Sw Side Of The B4236 Some 120m Se Of Its Junction With Church Road.	II	81936	22/10/2003

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

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.

Features are displayed on the Visual and cultural designations map on [page 114 >](#)

ID	Location	Ancient monument name	Reference number
1	On site	Candwr Camp	3385

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



11.7 Registered Parks and Gardens

Records within 250m

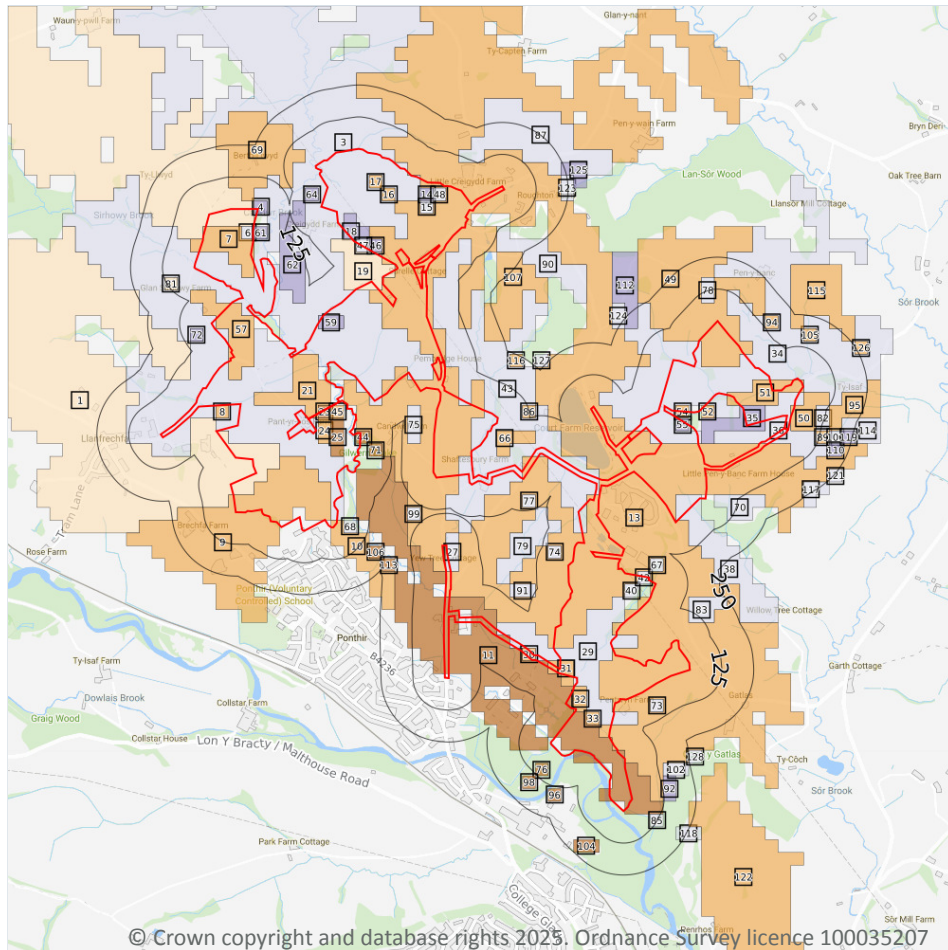
0

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 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Timber felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

101

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 118](#) >

ID	Location	Classification	Description
1	On site	Grade 3a	Good to moderate quality agricultural land
3	On site	Grade 3b	Moderate quality agricultural land
4	On site	Grade 4	Poor quality agricultural land



ID	Location	Classification	Description
6	On site	Grade 3b	Moderate quality agricultural land
7	On site	Grade 2	Good quality agricultural land
8	On site	Grade 2	Good quality agricultural land
9	On site	Grade 2	Good quality agricultural land
10	On site	Grade 2	Good quality agricultural land
11	On site	Grade 1	Excellent quality agricultural land
13	On site	Grade 2	Good quality agricultural land
14	On site	Grade 4	Poor quality agricultural land
15	On site	Grade 3b	Moderate quality agricultural land
16	On site	Grade 2	Good quality agricultural land
17	On site	Grade 2	Good quality agricultural land
18	On site	Grade 4	Poor quality agricultural land
19	On site	Grade 3a	Good to moderate quality agricultural land
21	On site	Grade 2	Good quality agricultural land
23	On site	Grade 1	Excellent quality agricultural land
24	On site	Grade 2	Good quality agricultural land
25	On site	Grade 1	Excellent quality agricultural land
27	On site	Grade 3b	Moderate quality agricultural land
29	On site	Grade 3b	Moderate quality agricultural land
30	On site	Grade 2	Good quality agricultural land
31	On site	Grade 2	Good quality agricultural land
32	On site	Grade 2	Good quality agricultural land
33	On site	Grade 2	Good quality agricultural land
34	On site	Grade 3b	Moderate quality agricultural land
35	On site	Grade 4	Poor quality agricultural land
36	On site	Grade 3b	Moderate quality agricultural land
38	On site	Grade 3b	Moderate quality agricultural land
40	On site	Grade 3b	Moderate quality agricultural land



ID	Location	Classification	Description
42	On site	Grade 3b	Moderate quality agricultural land
43	On site	Grade 3b	Moderate quality agricultural land
44	On site	Grade 1	Excellent quality agricultural land
45	On site	Grade 2	Good quality agricultural land
46	On site	Grade 4	Poor quality agricultural land
47	On site	Grade 3b	Moderate quality agricultural land
48	On site	Grade 3b	Moderate quality agricultural land
49	On site	Grade 2	Good quality agricultural land
50	On site	Grade 2	Good quality agricultural land
51	On site	Grade 2	Good quality agricultural land
52	On site	Grade 2	Good quality agricultural land
54	On site	Grade 2	Good quality agricultural land
55	On site	Grade 4	Poor quality agricultural land
57	On site	Grade 2	Good quality agricultural land
59	On site	Grade 4	Poor quality agricultural land
61	2m E	Grade 4	Poor quality agricultural land
62	9m E	Grade 4	Poor quality agricultural land
64	19m W	Grade 4	Poor quality agricultural land
66	23m E	Grade 2	Good quality agricultural land
67	25m N	Grade 3b	Moderate quality agricultural land
68	26m E	Grade 3b	Moderate quality agricultural land
69	32m N	Grade 2	Good quality agricultural land
70	32m E	Grade 3b	Moderate quality agricultural land
71	36m E	Grade 1	Excellent quality agricultural land
72	39m SW	Grade 4	Poor quality agricultural land
73	39m SE	Grade 3b	Moderate quality agricultural land
74	40m NW	Grade 3b	Moderate quality agricultural land
75	53m W	Grade 3b	Moderate quality agricultural land



ID	Location	Classification	Description
76	60m SW	Grade 1	Excellent quality agricultural land
77	62m S	Grade 3b	Moderate quality agricultural land
78	72m N	Grade 3b	Moderate quality agricultural land
79	74m W	Grade 3b	Moderate quality agricultural land
81	77m SW	Grade 3a	Good to moderate quality agricultural land
82	83m SE	Grade 3b	Moderate quality agricultural land
83	83m NE	Grade 3b	Moderate quality agricultural land
85	92m E	Grade 3b	Moderate quality agricultural land
86	97m E	Grade 2	Good quality agricultural land
87	99m N	Grade 3b	Moderate quality agricultural land
89	109m E	Grade 2	Good quality agricultural land
90	112m SE	Grade 3b	Moderate quality agricultural land
91	115m NW	Grade 3b	Moderate quality agricultural land
92	121m E	Grade 4	Poor quality agricultural land
94	124m NE	Grade 2	Good quality agricultural land
95	125m SE	Grade 2	Good quality agricultural land
96	129m S	Grade 1	Excellent quality agricultural land
98	131m SW	Grade 1	Excellent quality agricultural land
99	132m NW	Grade 3b	Moderate quality agricultural land
102	139m E	Grade 3b	Moderate quality agricultural land
104	147m SW	Grade 1	Excellent quality agricultural land
105	147m N	Grade 2	Good quality agricultural land
106	155m SE	Grade 1	Excellent quality agricultural land
107	157m SE	Grade 2	Good quality agricultural land
109	158m E	Grade 3b	Moderate quality agricultural land
110	170m E	Grade 4	Poor quality agricultural land
112	187m NW	Grade 4	Poor quality agricultural land
113	190m W	Grade 1	Excellent quality agricultural land



ID	Location	Classification	Description
114	191m E	Grade 3b	Moderate quality agricultural land
115	195m N	Grade 2	Good quality agricultural land
116	195m N	Grade 2	Good quality agricultural land
117	199m SE	Grade 3b	Moderate quality agricultural land
118	203m SE	Grade 3b	Moderate quality agricultural land
119	207m E	Grade 4	Poor quality agricultural land
121	221m SE	Grade 3b	Moderate quality agricultural land
122	221m E	Grade 2	Good quality agricultural land
123	222m E	Grade 3b	Moderate quality agricultural land
124	227m NW	Grade 3b	Moderate quality agricultural land
125	229m E	Grade 4	Poor quality agricultural land
126	235m NE	Grade 2	Good quality agricultural land
127	235m NW	Grade 3b	Moderate quality agricultural land
128	247m E	Grade 3b	Moderate quality agricultural land

This data is sourced from Natural Resources Wales.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.



12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

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

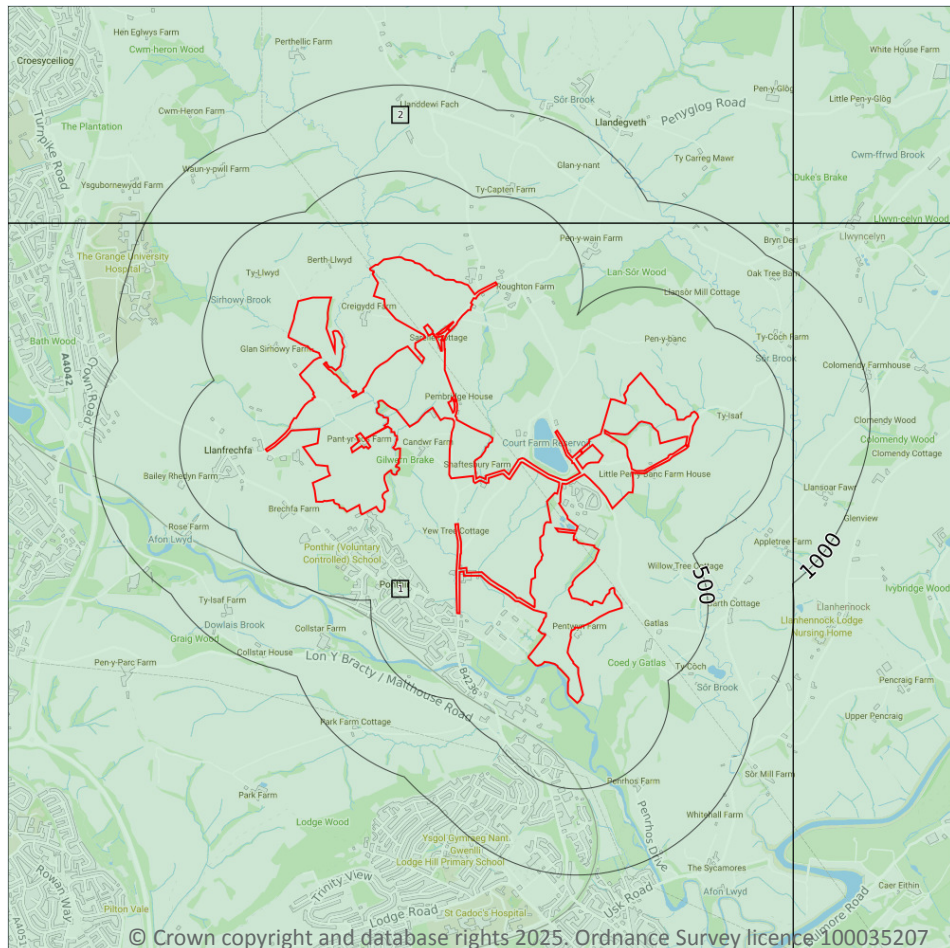
0

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

2

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

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 125](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	ST39SW
2	197m N	No coverage	Full	Full	Full	ST39NW

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

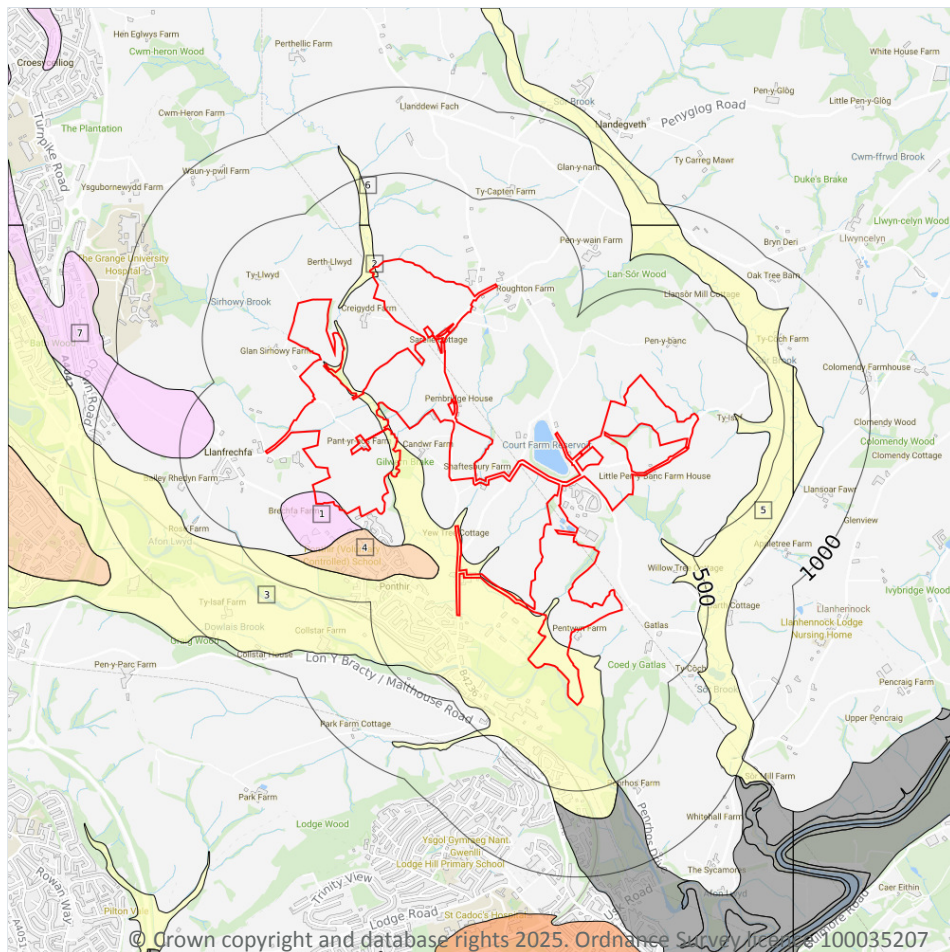
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



— Site Outline
Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m

7

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 127](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
2	On site	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	On site	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
4	74m S	RTDU-XSV	River Terrace Deposits (undifferentiated) - Sand And Gravel	Sand And Gravel



ID	Location	LEX Code	Description	Rock description
5	211m E	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
6	228m N	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
7	322m W	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

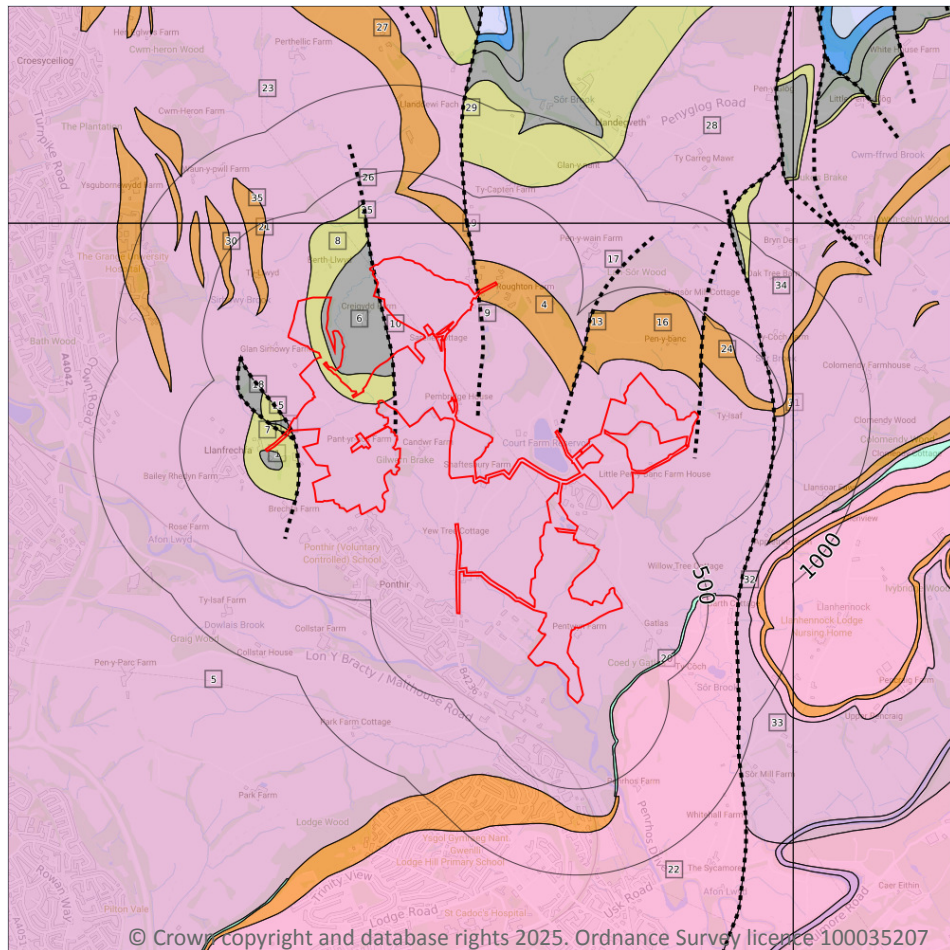
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

..... Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m

26

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 129](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	MLUL-CAMDST	Middle Llangibby Beds And Upper Llangibby Beds (undifferentiated) - Calcareous Mudstone	Ludfordian Age
2	On site	DCS-SDST	Downton Castle Sandstone Formation - Sandstone	Pridoli Epoch
3	On site	MLUL-CAMDST	Middle Llangibby Beds And Upper Llangibby Beds (undifferentiated) - Calcareous Mudstone	Ludfordian Age



ID	Location	LEX Code	Description	Rock age
4	On site	RG-SDST	Raglan Mudstone Formation - Sandstone	Pridoli Epoch
5	On site	RG-MDSA	Raglan Mudstone Formation - Interbedded Mudstone And Sandstone	Pridoli Epoch
6	On site	MLUL-CAMDST	Middle Llangibby Beds And Upper Llangibby Beds (undifferentiated) - Calcareous Mudstone	Ludfordian Age
7	On site	DCS-SDST	Downton Castle Sandstone Formation - Sandstone	Pridoli Epoch
8	On site	DCS-SDST	Downton Castle Sandstone Formation - Sandstone	Pridoli Epoch
15	40m NW	DCS-SDST	Downton Castle Sandstone Formation - Sandstone	Pridoli Epoch
16	65m N	RG-SDST	Raglan Mudstone Formation - Sandstone	Pridoli Epoch
17	108m N	RG-MDSA	Raglan Mudstone Formation - Interbedded Mudstone And Sandstone	Pridoli Epoch
18	155m NW	MLUL-CAMDST	Middle Llangibby Beds And Upper Llangibby Beds (undifferentiated) - Calcareous Mudstone	Ludfordian Age
19	171m NE	RG-SDST	Raglan Mudstone Formation - Sandstone	Pridoli Epoch
20	175m SE	BFLS-CLCRET	Bishop's Frome Limestone Member - Calcite-cemented Silicate-conglomerate (calcrete)	Devonian Period - Silurian Period
21	177m W	RG-SDST	Raglan Mudstone Formation - Sandstone	Pridoli Epoch
22	193m SE	SMG-ARSD	St Maughans Formation - Interbedded Argillaceous Rocks And [subequal/subordinate] Sandstone	Early Devonian Epoch
23	197m N	RG-MDSA	Raglan Mudstone Formation - Interbedded Mudstone And Sandstone	Pridoli Epoch
24	234m NE	RG-SDST	Raglan Mudstone Formation - Sandstone	Pridoli Epoch
25	235m NW	DCS-SDST	Downton Castle Sandstone Formation - Sandstone	Pridoli Epoch
27	285m NE	RG-SDST	Raglan Mudstone Formation - Sandstone	Pridoli Epoch
28	339m N	RG-MDSA	Raglan Mudstone Formation - Interbedded Mudstone And Sandstone	Pridoli Epoch
30	373m W	RG-SDST	Raglan Mudstone Formation - Sandstone	Pridoli Epoch
31	441m E	RG-SDST	Raglan Mudstone Formation - Sandstone	Pridoli Epoch
33	441m E	RG-MDSA	Raglan Mudstone Formation - Interbedded Mudstone And Sandstone	Pridoli Epoch
34	441m E	RG-MDSA	Raglan Mudstone Formation - Interbedded Mudstone And Sandstone	Pridoli Epoch
35	491m NW	RG-SDST	Raglan Mudstone Formation - Sandstone	Pridoli Epoch



This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

9

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.

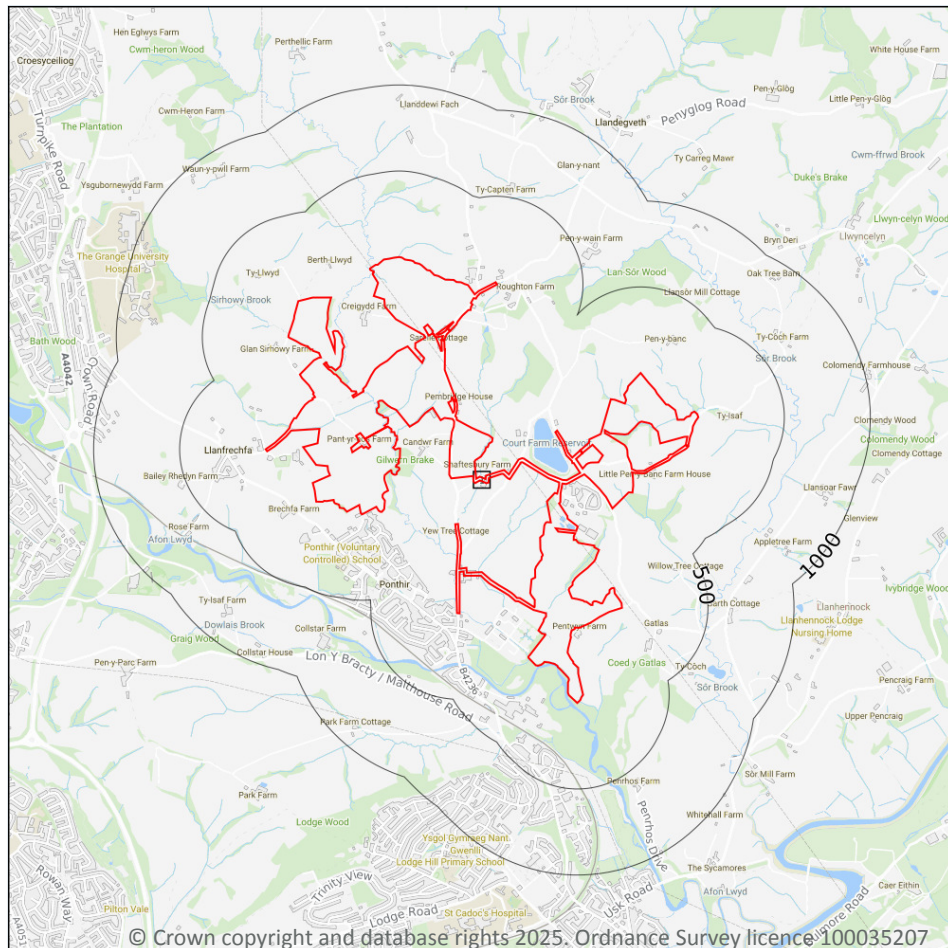
Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 129 >](#)

ID	Location	Category	Description
9	On site	FAULT	Normal fault, inferred; crossmarks on downthrow side
10	On site	FAULT	Normal fault, inferred; crossmarks on downthrow side
11	On site	FAULT	Normal fault, inferred; crossmarks on downthrow side
12	On site	FAULT	Normal fault, inferred; crossmarks on downthrow side
13	On site	FAULT	Normal fault, inferred; crossmarks on downthrow side
14	1m E	FAULT	Normal fault, inferred; crossmarks on downthrow side
26	235m NW	FAULT	Normal fault, inferred; crossmarks on downthrow side
29	339m N	FAULT	Normal fault, inferred; crossmarks on downthrow side
32	441m E	FAULT	Normal fault, inferred; crossmarks on downthrow side

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. Where 50k data is not available, this area has been filled in with 625k scale data.

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 132](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW249_newport_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

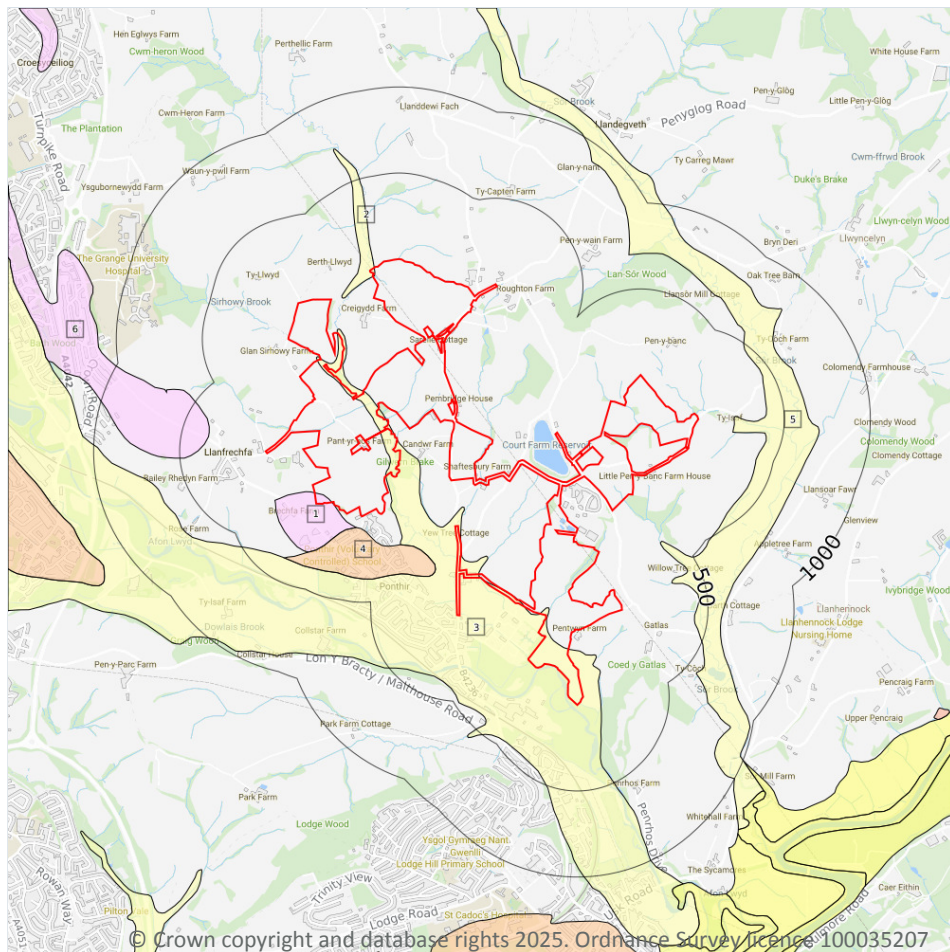
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



— Site Outline
Search buffers in metres (m)

▣ Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

6

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 134](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
2	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
4	71m S	RTDU-XSV	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
5	209m E	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
6	343m W	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial 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 any superficial deposits (the zone between the land surface and the water table).

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

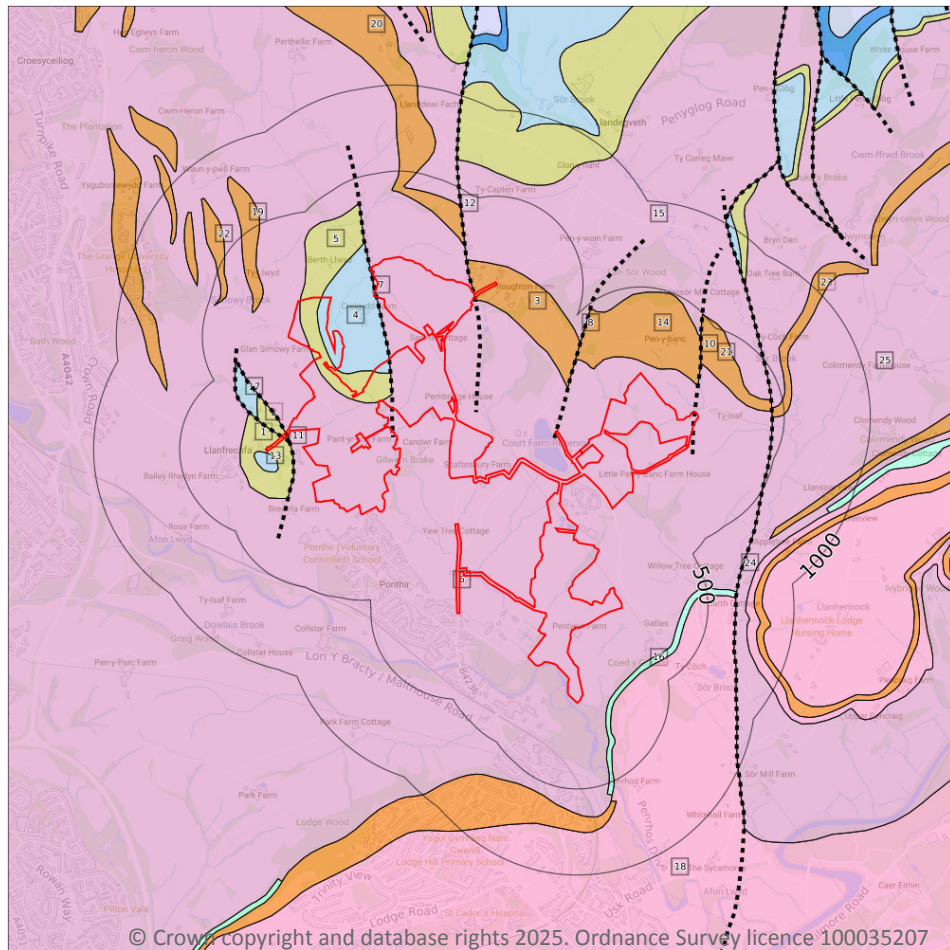
0

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

This data is sourced from the British Geological Survey.



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

18

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 136](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	DCS-SDST	DOWNTON CASTLE SANDSTONE FORMATION - SANDSTONE	-
2	On site	DCS-SDST	DOWNTON CASTLE SANDSTONE FORMATION - SANDSTONE	-
3	On site	RG-SDST	RAGLAN MUDSTONE FORMATION - SANDSTONE	-



ID	Location	LEX Code	Description	Rock age
4	On site	ULLB-CAMDST	UPPER LLANBADOC BEDS AND LLANGIBBY BEDS (UNDIFFERENTIATED) - MUDSTONE, CALCAREOUS	LUDFORDIAN
5	On site	DCS-SDST	DOWNTON CASTLE SANDSTONE FORMATION - SANDSTONE	-
6	On site	RG-MDSA	RAGLAN MUDSTONE FORMATION - MUDSTONE AND SANDSTONE, INTERBEDDED	-
13	11m S	ULLB-CAMDST	UPPER LLANBADOC BEDS AND LLANGIBBY BEDS (UNDIFFERENTIATED) - MUDSTONE, CALCAREOUS	LUDFORDIAN
14	62m N	RG-SDST	RAGLAN MUDSTONE FORMATION - SANDSTONE	-
15	102m N	RG-MDSA	RAGLAN MUDSTONE FORMATION - MUDSTONE AND SANDSTONE, INTERBEDDED	-
16	156m E	BFLS-CLCRET	BISHOP'S FROME LIMESTONE MEMBER - SILICATE-CONGLOMERATE, CALCITE-CEMENTED (CALCRETE)	-
17	165m NW	ULLB-CAMDST	UPPER LLANBADOC BEDS AND LLANGIBBY BEDS (UNDIFFERENTIATED) - MUDSTONE, CALCAREOUS	LUDFORDIAN
18	185m E	SMG-ARSD	ST MAUGHANS FORMATION - ARGILLACEOUS ROCKS AND [SUBEQUAL/SUBORDINATE] SANDSTONE, INTERBEDDED	-
19	207m W	RG-SDST	RAGLAN MUDSTONE FORMATION - SANDSTONE	-
20	209m N	RG-SDST	RAGLAN MUDSTONE FORMATION - SANDSTONE	-
21	232m NE	RG-SDST	RAGLAN MUDSTONE FORMATION - SANDSTONE	-
22	412m W	RG-SDST	RAGLAN MUDSTONE FORMATION - SANDSTONE	-
23	429m E	RG-SDST	RAGLAN MUDSTONE FORMATION - SANDSTONE	-
25	429m E	RG-MDSA	RAGLAN MUDSTONE FORMATION - MUDSTONE AND SANDSTONE, INTERBEDDED	-

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

6

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Low	Low



Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Moderate	Low
On site	Fracture	Moderate	Moderate
On site	Fracture	Moderate	Moderate
On site	Fracture	Moderate	Moderate
11m S	Fracture	Low	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

7

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

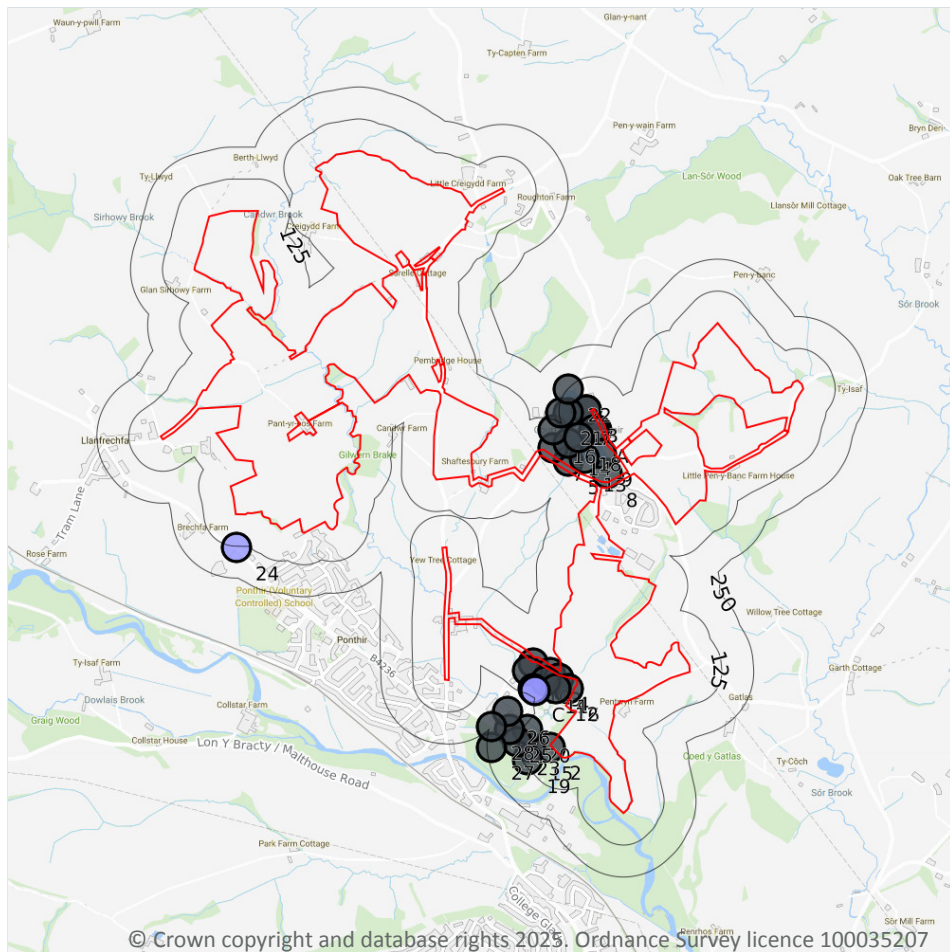
Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 136 >](#)

ID	Location	Category	Description
7	On site	FAULT	Fault, inferred, displacement unknown
8	On site	FAULT	Fault, inferred, displacement unknown
9	On site	FAULT	Fault, inferred, displacement unknown
10	On site	FAULT	Fault, inferred, displacement unknown
11	On site	FAULT	Fault, inferred, displacement unknown
12	On site	FAULT	Fault, inferred, displacement unknown
24	429m E	FAULT	Fault, inferred, displacement unknown

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

34

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

Features are displayed on the Boreholes map on [page 139](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	3m S	333390 192800	PONTHIR SEWERAGE TREATMENT 2	-	Y	N/A
2	4m SW	333460 192470	PONTHIR SEWERAGE TRT 18	-	Y	N/A
3	9m SW	333460 192760	PONTHIR SEWERAGE TREATMENT 4	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
4	12m S	333490 192740	PONTHIR SEWERAGE TREATMENT 6	-	Y	N/A
5	17m NE	333530 193590	COURT FARM RESERVOIR GWENT 5	-	Y	N/A
A	18m W	333640 193710	COURT FARM RESERVOIR GWENT 8A	-	Y	N/A
B	18m W	333600 193790	COURT FARM RESERVOIR GWENT 9	-	Y	N/A
B	18m W	333600 193790	COURT FARM RESERVOIR GWENT 9A	-	Y	N/A
6	21m W	333530 192700	PONTHIR SEWERAGE TREATMENT 7	-	Y	N/A
7	26m NE	333470 193640	COURT FARM RESERVOIR GWENT 4	-	Y	N/A
A	27m SW	333630 193710	COURT FARM RESERVOIR GWENT 8	-	Y	N/A
8	32m NW	333680 193540	COURT FARM RESERVOIR GWENT 6	-	Y	N/A
9	37m SW	333660 193620	COURT FARM RESERVOIR GWENT 7	-	Y	N/A
10	37m SW	333370 192770	PONTHIR SEWERAGE TREATMENT 1	-	Y	N/A
11	45m SW	333440 192730	PONTHIR SEWERAGE TREATMENT 3	-	Y	N/A
12	53m S	333480 192700	PONTHIR SEWERAGE TREATMENT 5	-	Y	N/A
13	57m NE	333590 193600	COURT FARM RESERVOIR GWENT 15	-	Y	N/A
14	76m NE	333530 193660	COURT FARM RESERVOIR GWENT 12	-	Y	N/A
15	81m W	333380 192470	PONTHIR SEWERAGE TRT 16	-	Y	N/A
16	86m NE	333470 193710	COURT FARM RESERVOIR GWENT 3	-	Y	N/A
17	88m W	333530 193780	COURT FARM RESERVOIR GWENT 10	-	Y	N/A
18	94m SW	333570 193680	COURT FARM RESERVOIR GWENT 13	-	Y	N/A
C	96m SW	333390 192700	PONTHIR SEWAGE WORKS 1	7.85	N	385747 ↗
C	99m SW	333400 192690	PONTHIR SEWAGE WORKS 2	8.0	N	385748 ↗
19	106m SW	333370 192420	PONTHIR SEWERAGE TRT 17	-	Y	N/A
20	109m NW	333370 192540	PONTHIR SEWERAGE TRT 15	-	Y	N/A
21	118m W	333500 193780	COURT FARM RESERVOIR GWENT 2	-	Y	N/A
22	122m NW	333530 193870	COURT FARM RESERVOIR GWENT 1	-	Y	N/A
23	131m W	333330 192490	PONTHIR SEWERAGE TRT 14	-	Y	N/A
24	131m S	332230 193250	LOWER LLANFRECFFA, PONTYPOOL ROAD	9.14	N	385473 ↗
25	172m W	333300 192540	PONTHIR SEWERAGE TRT 13	-	Y	N/A

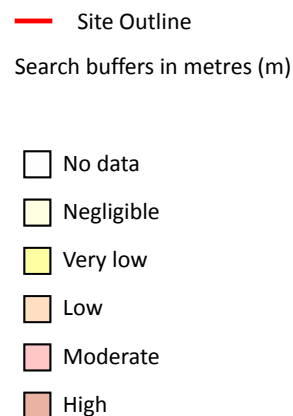
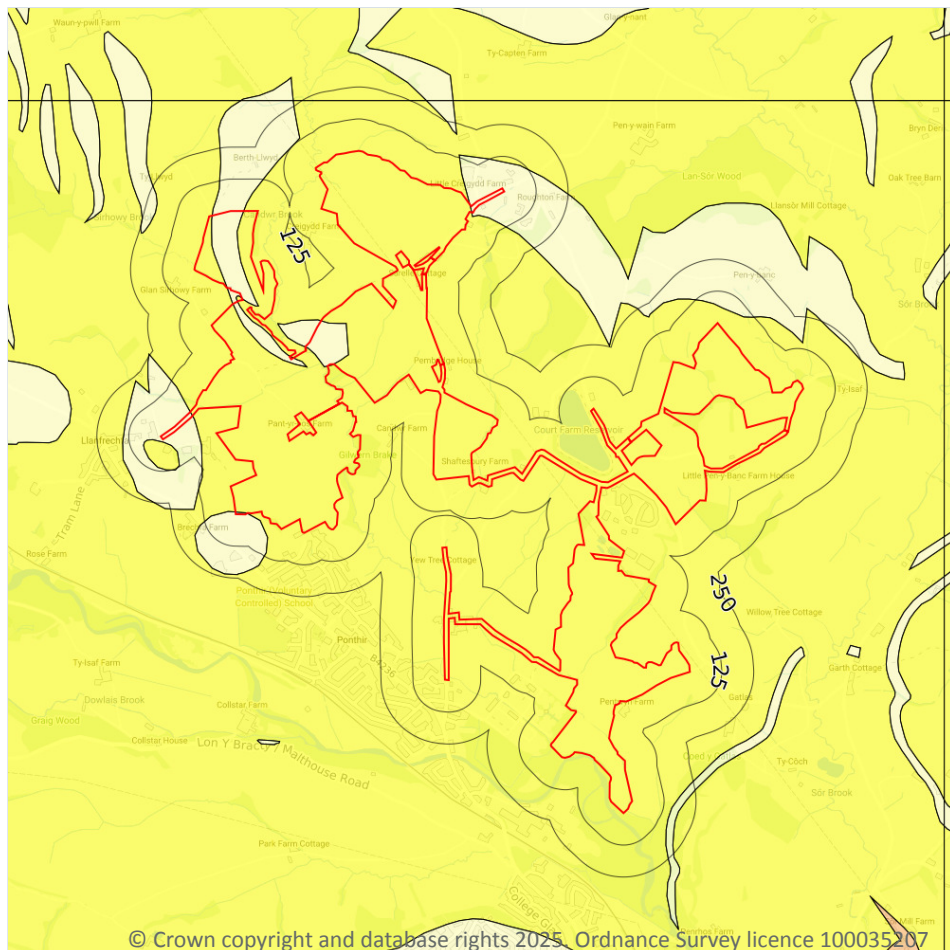


ID	Location	Grid reference	Name	Length	Confidential	Web link
26	214m NW	333290 192610	PONTHIR SEWERAGE TRT 11	-	Y	N/A
27	231m W	333230 192470	PONTHIR SEWERAGE TRT 12	-	Y	N/A
28	242m W	333230 192550	PONTHIR SEWERAGE TREATMENT 1	-	Y	N/A

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

3

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 142](#) >

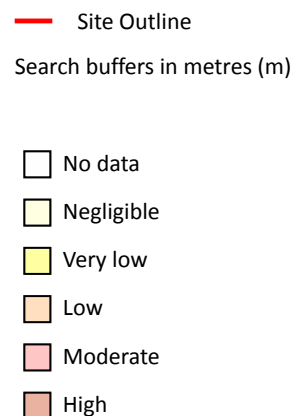
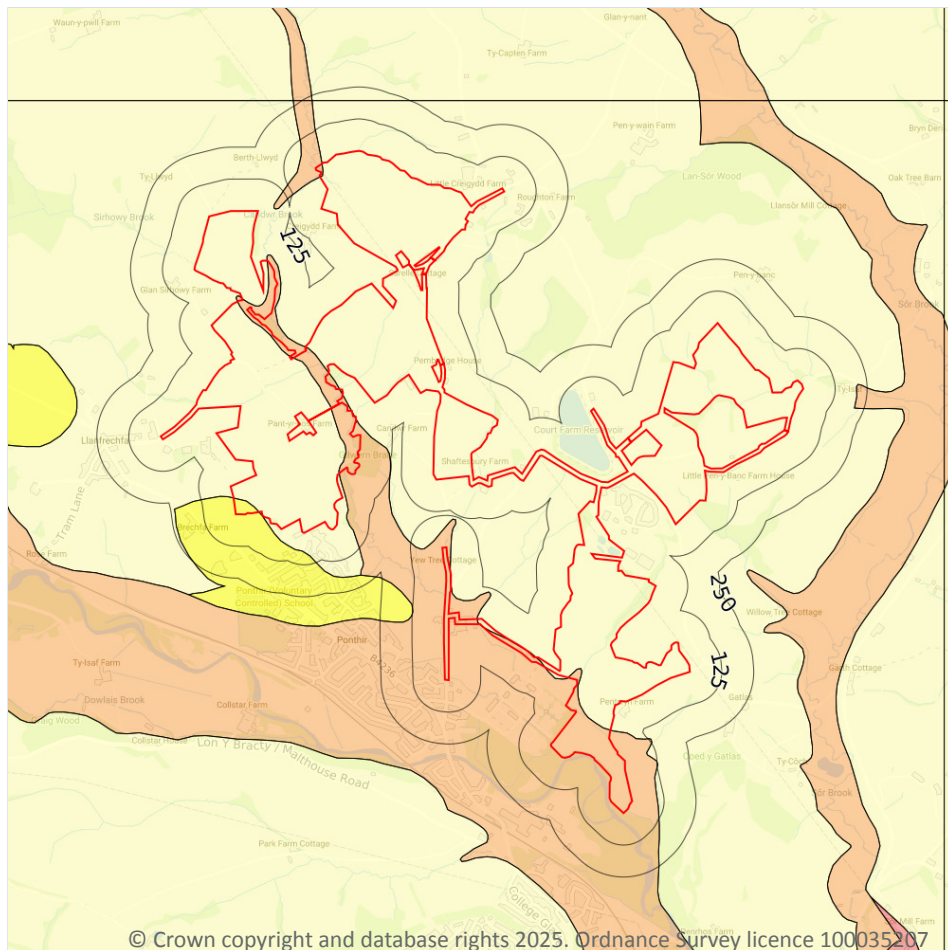
Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.
11m S	Very low	Ground conditions predominantly low plasticity.



This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

3

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 144](#) >

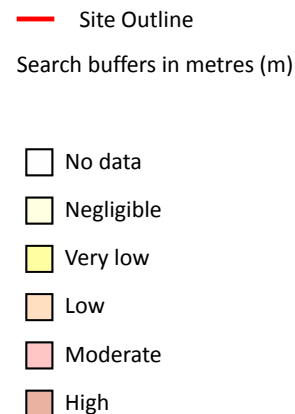
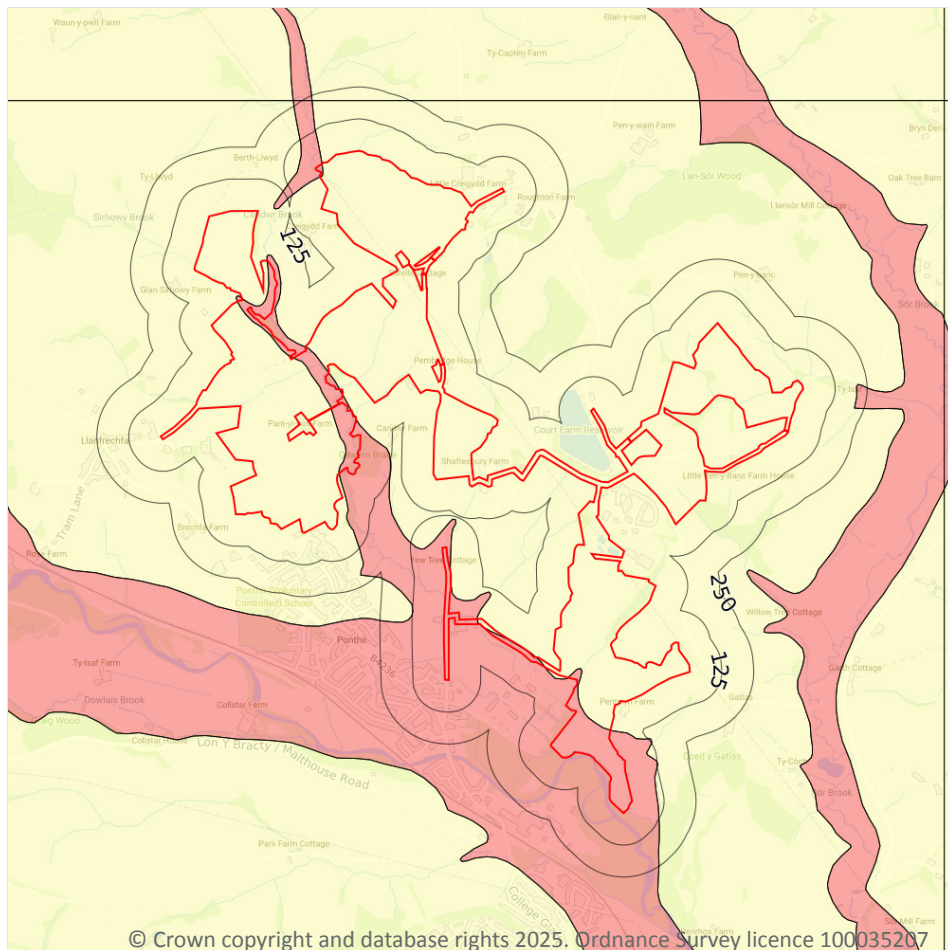
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

2

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 146](#) >

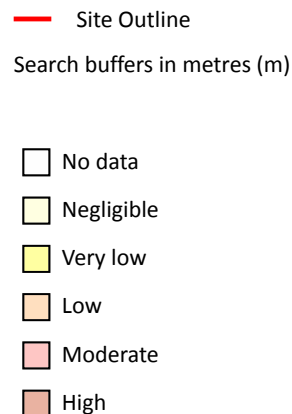
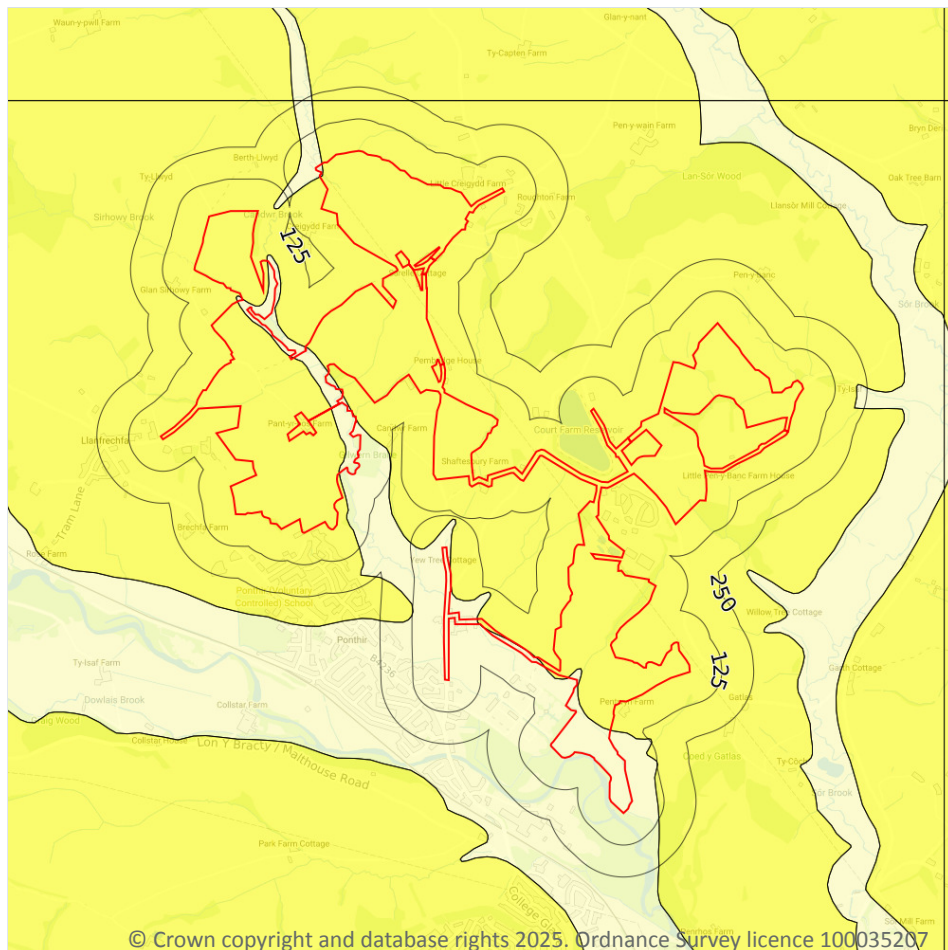
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.



This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

2

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.

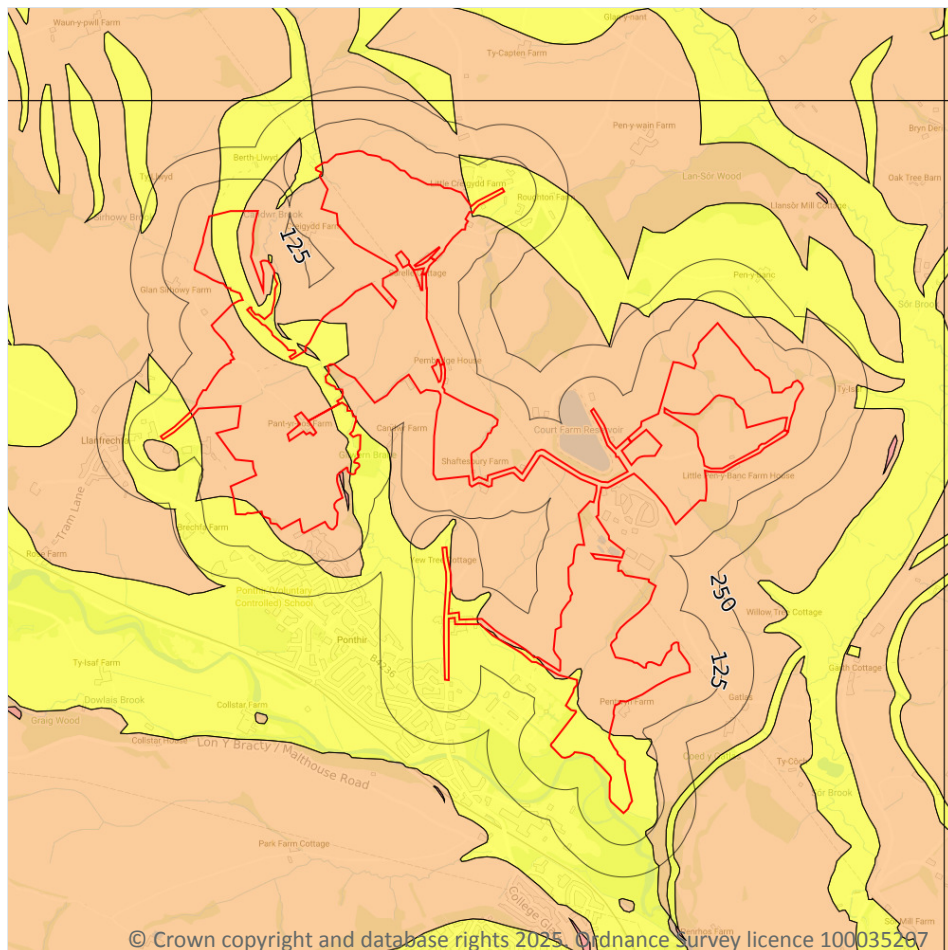
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 148](#) >

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



— Site Outline
Search buffers in metres (m)

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

17.5 Landslides

Records within 50m

5

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 149](#) >

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.

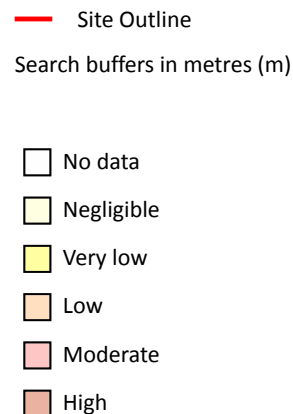
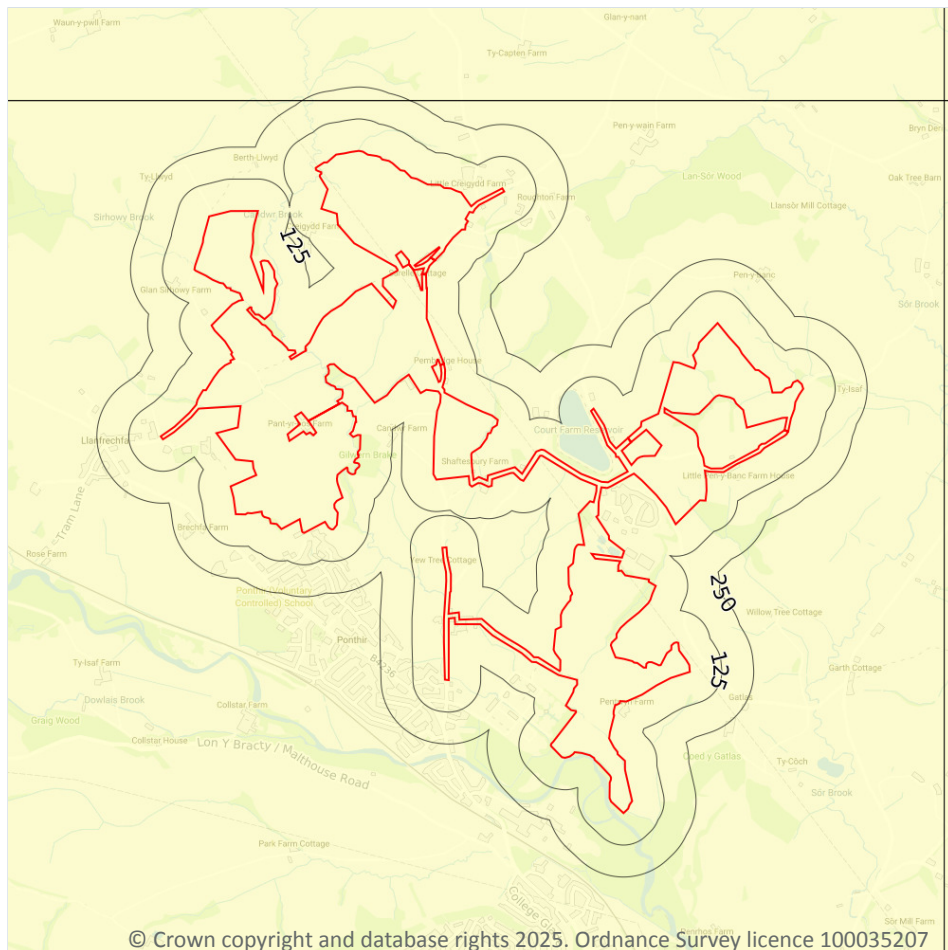


Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
On site	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
1m NE	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.
11m S	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 151](#) >

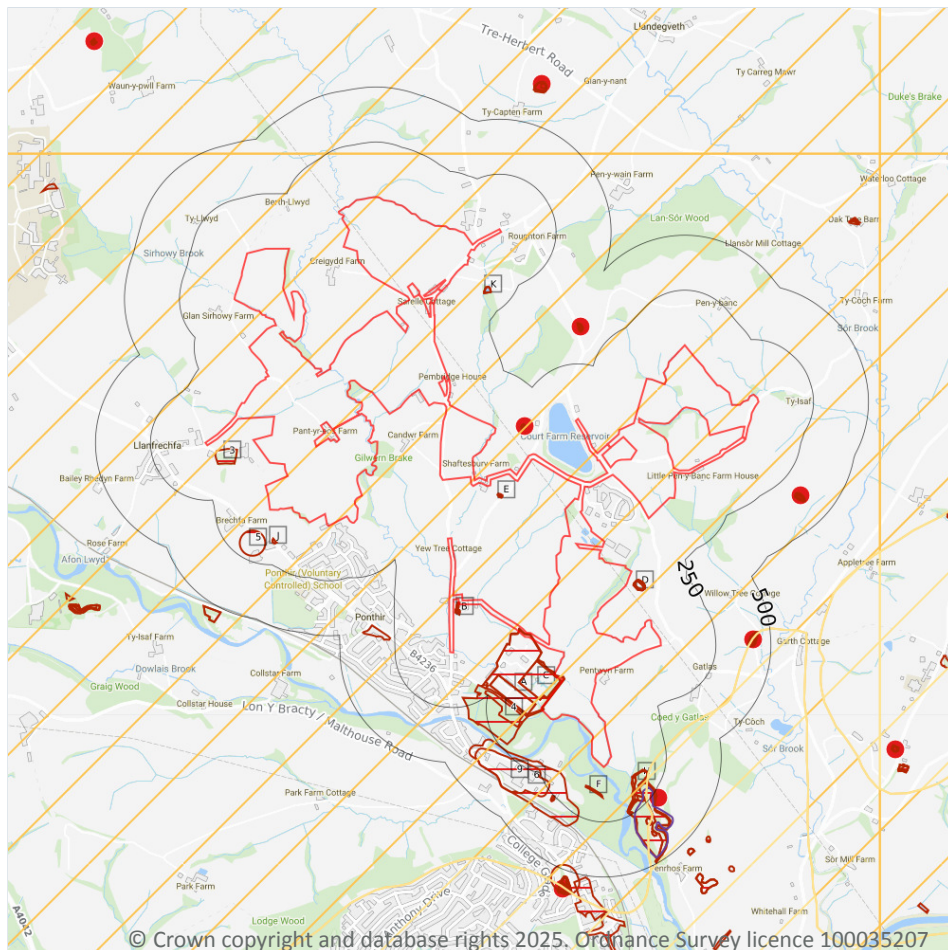
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



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

18.1 BritPits

Records within 500m

5

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

Features are displayed on the Mining and ground workings map on [page 153](#) >



ID	Location	Details	Description
G	133m E	Name: Pen-topyn Address: Llanfrechfa, NEWPORT, Monmouthshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
11	277m SE	Name: Ponthir Clay Pits Address: Ponthir, CAERLEON, Gwent Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
M	359m SE	Name: Pen-y-banc Address: Llanhennock, NEWPORT, Monmouthshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
N	382m NW	Name: Little Pen-topyn Address: Llanfrechfa, NEWPORT, Monmouthshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.



ID	Location	Details	Description
O	421m E	Name: Cassandra Address: Llanhennock, NEWPORT, Monmouthshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

46

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

Features are displayed on the Mining and ground workings map on [page 153](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Sewage Disposal Works	1981	1:10000
A	On site	Sewage Disposal Works	1970	1:10000
B	On site	Pond	1882	1:10560
C	3m SW	Filter Beds	1970	1:10000
C	3m SW	Filter Beds	1981	1:10000
B	5m SW	Pond	1949	1:10560
B	5m SW	Pond	1918	1:10560
B	5m SW	Pond	1900	1:10560
D	30m E	Unspecified Pit	1949	1:10560
D	30m E	Unspecified Pit	1918	1:10560
D	30m E	Unspecified Pit	1900	1:10560
D	30m E	Unspecified Pit	1882	1:10560
A	31m NW	Sludge Beds	1970	1:10000
A	31m NW	Sludge Beds	1981	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
D	34m E	Unspecified Pit	1922	1:10560
D	34m E	Unspecified Pit	1970	1:10000
D	34m E	Unspecified Pit	1981	1:10000
D	34m E	Unspecified Pit	1964	1:10560
3	45m SE	Grave Yard	1882	1:10560
E	52m SE	Unspecified Pit	1922	1:10560
E	53m SE	Unspecified Pit	1949	1:10560
E	53m SE	Unspecified Pit	1918	1:10560
4	91m W	Sludge Lagoons	1970	1:10000
F	112m SW	Pond	1922	1:10560
F	113m SW	Pond	1918	1:10560
F	113m SW	Pond	1949	1:10560
5	114m SW	Reservoir	1922	1:10560
G	117m E	Unspecified Old Quarry	1900	1:10560
G	117m E	Unspecified Pit	1949	1:10560
G	117m E	Unspecified Pit	1918	1:10560
G	117m E	Unspecified Pit	1922	1:10560
G	118m E	Unspecified Pit	1882	1:10560
G	118m E	Unspecified Pit	1964	1:10560
H	127m SE	Unspecified Ground Workings	1970	1:10000
H	127m SE	Unspecified Ground Workings	1981	1:10000
I	130m SE	Unspecified Quarry	1949	1:10560
I	131m SE	Unspecified Quarry	1964	1:10560
J	132m S	Reservoir	1949	1:10560
J	132m S	Reservoir	1938	1:10560
K	133m SE	Pond	1970	1:10000
K	133m SE	Pond	1981	1:10000
K	133m SE	Pond	1964	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
6	163m SW	Brick and Tile Works	1949	1:10560
I	178m SE	Unspecified Quarry	1970	1:10000
I	178m SE	Unspecified Quarry	1981	1:10000
9	229m SW	Brick Works	1918	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m **0**

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

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m **0**

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m **1**

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

Features are displayed on the Mining and ground workings map on [page 153 >](#)

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
I	205m SE	Penrhos	Not available	Not available	Not available	Not available

This data is sourced from the British Geological Survey.



18.6 Non-coal mining

Records within 1000m

6

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

Features are displayed on the Mining and ground workings map on [page 153](#) >

ID	Location	Name	Commodity	Class	Likelihood
2	On site	Usk	Vein Mineral	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
7	185m E	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
8	197m N	Usk	Vein Mineral	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
13	552m E	Usk	Vein Mineral	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
16	720m E	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
18	796m SE	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.



18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.



18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

0

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site

0

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

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

18.14 Gypsum areas

Records on site

0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site

0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.



18.16 Clay mining

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

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

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



19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

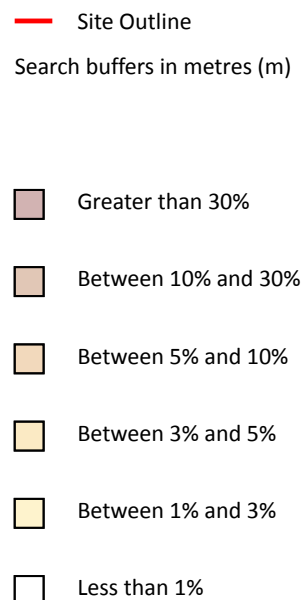
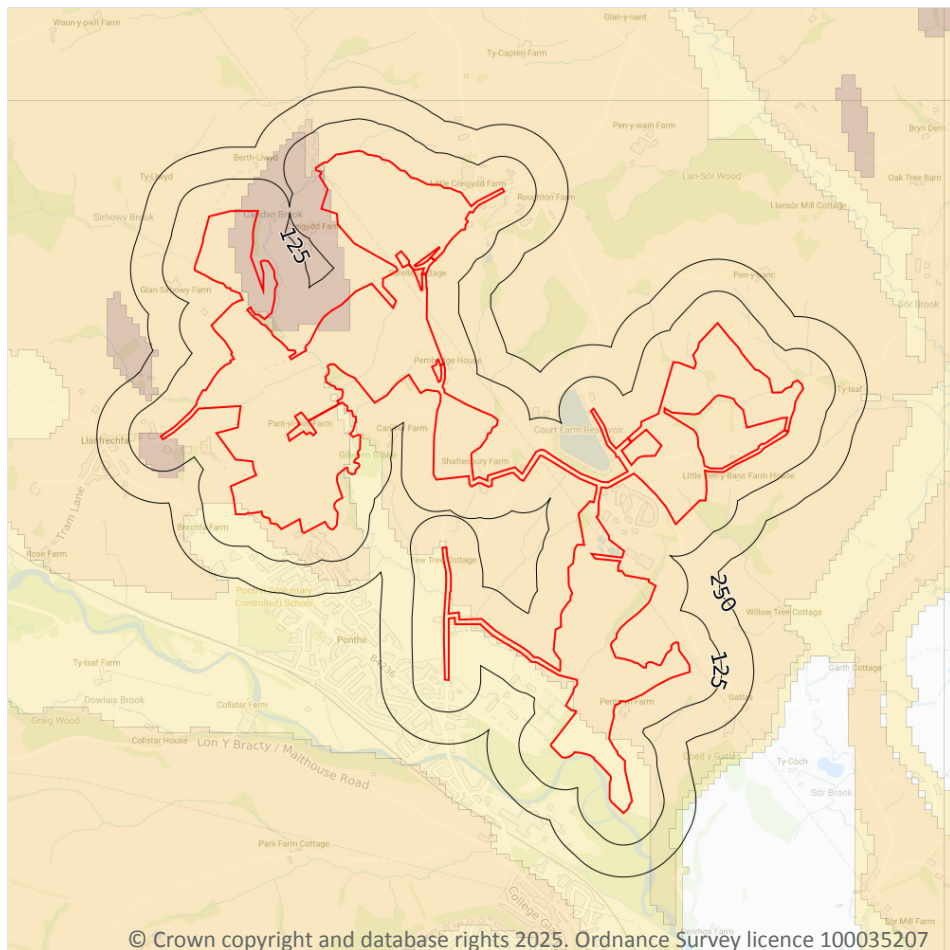
Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



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20.1 Radon

Records on site

4

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

Features are displayed on the Radon map on [page 164](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 5% and 10%	Basic



Location	Estimated properties affected	Radon Protection Measures required
On site	Between 10% and 30%	Full
On site	Between 1% and 3%	None
On site	Between 3% and 5%	Basic

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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

70

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



[illegible]

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
1m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
4m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
11m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
13m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
17m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
21m SW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
21m SW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
31m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
31m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
36m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
41m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
42m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
42m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
44m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
44m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.



21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

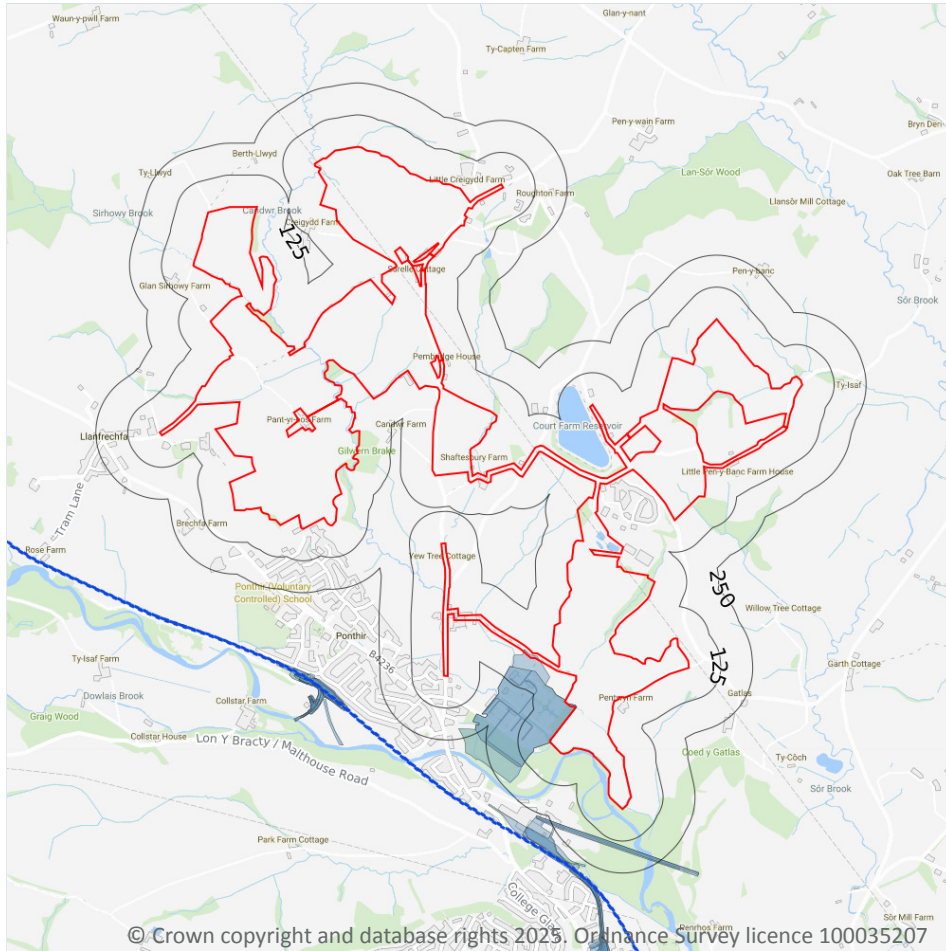
0

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

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

5

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

Features are displayed on the Railway infrastructure and projects map on [page 170 >](#)

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1970	10000
49m S	Railway Sidings	1969	2500
135m S	Railway Sidings	1964	10560
137m S	Railway Sidings	1949	10560
142m S	Tramway Sidings	1936	2500

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.



22.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

Terms and conditions

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



Appendix E

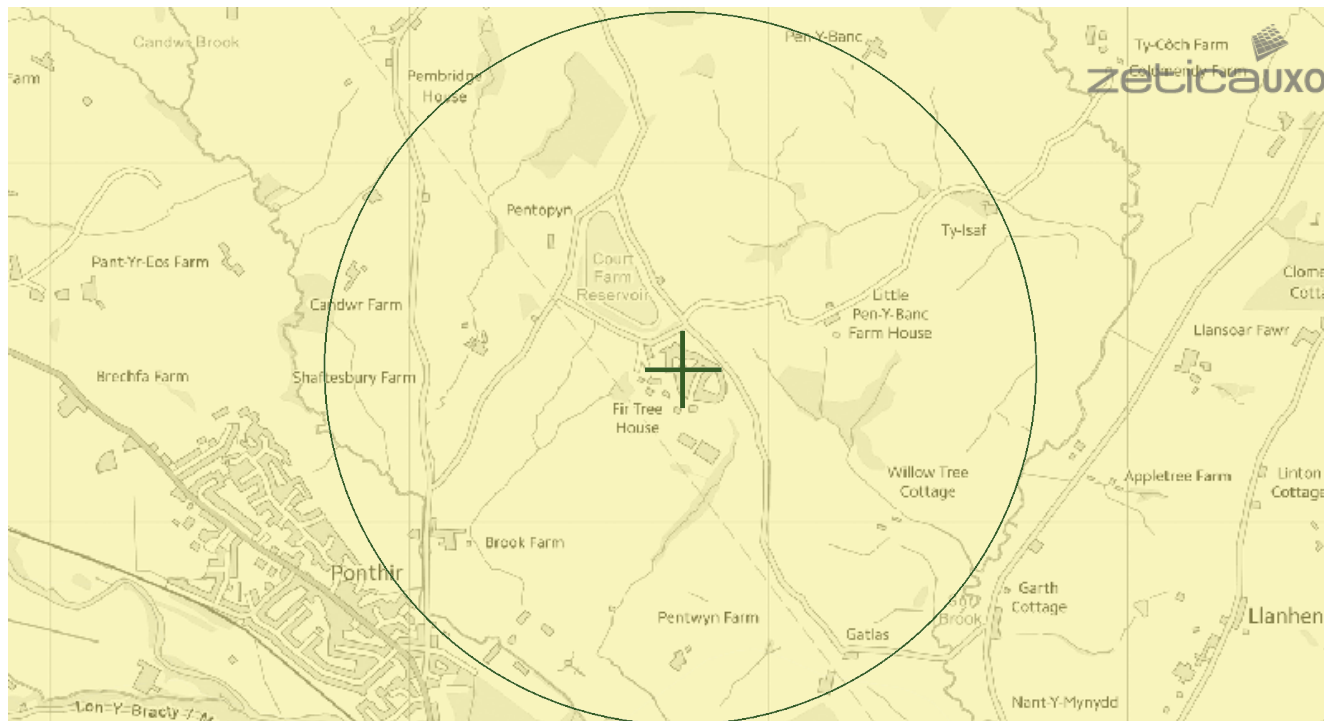
THIRD PARTY DATA

UNEXPLODED BOMB RISK MAP



SITE LOCATION

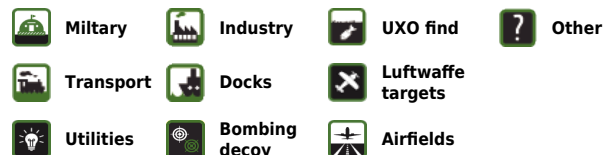
Location: NP18 1HT,
Map Centre: 333726,193435



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

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.



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

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density. Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then [additional detailed research](#) is recommended.

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

If both the map and other research confirm 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.

If you are unsure whether other sources of UXO may be present, you can request one of our [pre-desk study assessments \(PDSA\)](#) by emailing a site boundary and location to pdsa@zetica.com.

You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.

If I have any questions, who do I contact?

tel: [+44 \(0\) 1993 886682](tel:+44201993886682) email: uxo@zetica.com web: www.zeticauxo.com

The information in this UXB risk map is derived from a range of sources and should be used with the [accompanying notes on our website](#).

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 acknowledgement. The copyright remains with Zetica Ltd.



ST39SW11
3223.9325

be furnished in Duplicate.

WELLS AND BOREHOLES.

91652

1906

Information to be supplied to the Local Government Board.

of Authority	...	...	...	...	...	Pontypool Rural District Council
Name of Contributory Place	...	...	...	...	...	Gloucestria Lower
Precise situation of well or borehole. (This may be defined by its direction and distance from the nearest Parish Church, or other well known object)	...	...	...	...	...	44.5 yards in a north westerly direction along the main road from the Star Inn.
The distance from any other known wells or boreholes in the neighbourhood	...	...	...	...	...	264 yards in a north westerly direction from a well on the north east side of the main road.
Level of surface of ground above O.D.	...	...	...	...	...	129.64
Depth of Shaft or boring, or of each	...	...	...	...	...	30'0"
Yield of water in gallons per diem, as ascertained by continuous pumping during _____ days or otherwise	...	...	...	...	...	300 gallons per hour or 7200 gallons per day. This was arrived at from observations taken when sinking the trial shaft. To carry out the necessary pumping etc. as required under this schedule would be a costly matter & has therefore not been done. I am of opinion that there is a considerable storage for water in the stone beds in the strata for a large area.
Quality. (A copy of analysis by a competent chemist should be annexed.) Information as to the mineral constituents of the water is desirable)	...	...	...	...	...	
Level of water (above O.D.) at commencement of pumping	...	...	...	...	...	
Level of water (above O.D.) at cessation of pumping	...	...	...	...	...	
Time taken for water to return to original rest level after pumping ceased	...	...	...	...	...	

[NOTE.—A Statement giving the hours and dates and the quantity of water pumped each day, in a tabulated form should be annexed. If there should be any stoppage the reason and duration thereof should be stated.]

W B & L (3476) — 10041 — 400-S3

Eng. No. 17.

Visited Aug. 23rd. 1950
Now owned by Mr. Evans

Diam. 10ft.
Situated on No. 28 N.E. Not.

3223.9325

Red mail
Red mail strong bed.s.
Red mail soft with little stone.

- (1.) Map 6 in. to 1 mile. On this map the position of the well or boring should be shown in red color.
- (2.) Section to scale showing the size of the well or boring, strata pierced, rest level of water, and other particulars.



to be furnished in Duplicate.

WELLS AND BOREHOLES.

Information to be supplied to the Local Government Board.

ST 39 SW 3222 9324

of Authority	...	...	...	...	...	Pontypool Rural District Council.
Name of Contributory Place	...	...	...	...	...	Leanfleckfa Lower.
Precise situation of well or borehole. (This may be defined by its direction and distance from the nearest Parish Church, or other well known object)	...	...	...	...	...	445 yards in a north westerly direction, along the Main Road from the Star Inn.
The distance from any other known wells or boreholes in the neighbourhood	...	...	...	...	...	264 yards in a north westerly direction, from a well, on the north east side of the Main Road.
Level of surface of ground above O.D.	...	...	...	...	...	129.64
Depth of Shaft or boring, or of each	...	...	...	...	...	30' 0"
Yield of water in gallons per diem, as ascertained by continuous pumping during _____ days or otherwise	...	...	...	...	...	300 gallons per hour or 7200 gallons per day. This was arrived at from observations taken when sinking the trial shaft. To carry out the necessary pumping etc. as required under this schedule would be a costly matter & has therefore not been done. I am of opinion that there is a considerable storage for water in the sand beds in the strata for a large area.
Quality. (A copy of analysis by a competent chemist should be annexed.) Information as to the mineral constituents of the water is desirable)	...	...	...	...	...	
Level of water (above O.D.) at commencement of pumping	...	...	...	...	...	
Level of water (above O.D.) at cessation of pumping	...	...	...	...	...	
Time taken for water to return to original rest level after pumping ceased	...	...	...	...	...	

[NOTE.—A Statement giving the hours and dates and the quantity of water pumped each day, in a tabulated form should be annexed. If there should be any stoppage the reason and duration thereof should be stated.]

W B & L (347c)—10041—400-S-3

Eng. No. 17.

Visited Aug. 23rd. 1950
Now owned by a Mr. Evans

Diam. 10ft.
Situated Mon 28 NR. 44

A description of the Strata pierced should be given as follows:—

LOWER OLD RED.
SADDSTONE
(RAGLAN HALL
GROUP).

Red mail
Red mail stony beds.
Red mail soft with little stone.

P.P.
W.B.
13/12/79.

Thickness of each Stratum.		Total de the s
Feet.	Inches.	Feet.
21	0	
4	0	
5	0	
30	0	

The following should also be forwarded to the Board :—

- (1.) Map 6 in. to 1 mile. On this map the position of the well or boring should be shewn in red color.
- (2.) Section to scale showing the size of the well or boring, strata pierced, rest level of water, and other particulars.



Norwest Holst Soil Engineering Ltd.						Borehole No. 1	
Contract No. F6242		BOREHOLE LOG		Sheet 1 of 1			
Location Ponthir		Client ST39SW 285		Chainage			
County of South Glamorgan		Method of Boring Percussion		Ground Level 18.39 m.A.O.D.			
Diameter of Borehole 150mm		3339 9270		Date 16/10/84			
Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
MADE GROUND - dark grey ash clay and gravel		0.50	17.89		0.50	"9"	
Firm light brown silty CLAY with some gravel		2.80	15.59		1.50 (35) 2.50 (23)		
Firm brown silty sandy CLAY with some gravel and sand pockets		4.00	14.39		3.50 (67)		
Dense coarse GRAVEL with some sand and cobbles		7.85	10.54		4.50 6.00 7.60	"47" "63" "79" for 105mm	

Type of Sample	Remarks (Observations of Ground Water etc.)
☒ S.P.T. ☒ Undisturbed ☒ C.P.T. ☒ Vane ☐ Jar ☐ Water ☐ Bulk ☐ Piezometer	() U100 blows water struck at 4.00m rising to 3.90m Water levels are subject to seasonal or tidal variations and should not be taken as constant

Norwest Holst Soil Engineering Ltd.							Borehole No. 2
Contract No. F6242		BOREHOLE LOG			Sheet 1 of 1		
Location Ponthir					Chainage		
Client County of South Glamorgan		ST 39SW 286			Ground Level 18.26 m.A.O.D.		
Method of Boring Percussion					Date 17/10/84		
Diameter of Borehole 150mm		3340 9269					
Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.Q.D.%	Daily Progress
MADE GROUND :ash with gravel and cobbles		0.50	17.76		0.50	"14"	
Firm brown silty sandy very gravelly CLAY less gravel with depth					1.50	"16"	
		2.70	15.56		2.50 (26)		
Firm stiff light brown silty sandy CLAY with some gravel					3.50	"28"	
		4.30	13.96				
Dense coarse GRAVEL with cobbles and some sand					4.50	"39"	
					5.20		
					6.00	"56"	
					7.50		
		8.00			7.50	"48"	
Type of Sample	Remarks (Observations of Ground Water etc.)						
S.P.T. Undisturbed	() U100 blows water struck at 4.35m rising to 4.30m						
C.P.T. Vane							
Jar Water							
Bulk Piezometer							

Tony Morton

From: White, Paul <PaulWhite@monmouthshire.gov.uk>
Sent: 06 October 2025 12:16
To: Tony Morton
Subject: 315879 Candwr Farm Solar - Request for information (MCC)
Attachments: P24_2075_EN_11D Field Reference.pdf

CAUTION: This email originated from outside the Organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

You don't often get email from paulwhite@monmouthshire.gov.uk. [Learn why this is important](#)

Good afternoon Tony,

Thank you for your resent search request. I have answered your questions below from information held by Monmouthshire County Council Environmental Health department

This authority is undertaking the inspection of its district for potentially contaminated land in accordance with requirements under Part IIA of the Environmental Protection Act 1990.

Presently this exercise is incomplete and the land in question has not yet been fully investigated.

As such, there are no current formal actions associated with this legislation and/or known pollutant linkages concerned with the land, or land with adjoining boundaries.

Therefore, this site has not been declared Contaminated Land under Part 2A of Environmental Protection Act 1990.

Whilst the information in this email might be sufficient for your purposes, the absence of entries in the contaminated land register about a specific site does not guarantee there is no contamination or no risk of harm. This site may be located on, or adjacent to, potentially contaminated land and may be subject to investigation in the future.

Upon your request I undertook a search of our contaminated land records, historical maps, petroleum records and private water supply records to provide any further information we might hold.

Please find the answers to your question below, however, please note the following limitations:-

- At present this authority is not undertaking any proactive site investigations, and therefore cannot provide advice on when, or if, a particular site will be investigated.
- The council cannot provide a letter or statement confirming that the land is not contaminated, as activities or pollution might have occurred that the council has no record of.

You could also contact the Local Planning Authority – planning@monmouthshire.gov.uk or use their planning application website [Simple Search](#) to determine if any planning conditions relating to land contamination have been discharged.

1. Is the Council aware of any contamination issues or specific incidents in connection with the site?
 - Monmouthshire county Council has no records of specific incidents that resulted in contamination on the site.
2. Has the site been identified under the Council's Contaminated Land Strategy for further investigation under the provisions of Part IIA of the EPA 1990? If so, please provide further details,

including your predicted timescales for further action. If not, what is the likelihood of the site being identified in the future?

- You have asked for information on 13 sites. I have answered your question by grouping the sites together based on their location/proximity to each other. The reference numbers given are internal references, please refer to the included map for their locations

I. Site 1,2,11

- a. No

II. Site 8,12

- a. No, however 000405 on east boundary of 8/northern boundary of 12
- b. 000405 - Quarrying of sand & clay, operation of sand & gravel pits (Maps 1954)
- c. Current Use Fields/Farmland (unspecified)
- d. current prioritisation –
 - i. Human Health – E,
 - ii. Ground Water E,
 - iii. Ecology – E,
 - iv. Surface Water – E

III. Site 10

- a. No however 000394 and 001583 (same location) on eastern boundary
- b. 000394 - General quarrying (Maps 1886) –
- c. current use Farmland – Outbuildings and associated land
- d. current prioritisation
 - i. Human Health – E,
 - ii. Ground Water – C,
 - iii. Ecology- E,
 - iv. Surface Water - E
- e. 001583 - Unknown Filled Ground (Pit, quarry etc) (Maps 1983) –
- f. current use – Farm/Cottage (residential with garden)
- g. current prioritisation
 - i. Human Health – C,
 - ii. Ground Water – C,
 - iii. Ecology – E,
 - iv. Surface Water – C

IV. Site 3

- a. No however 002171 on northern boundary
- b. 002171 - Unknown Filled Ground (Pond, marsh, river, stream, dock etc) (Maps 1964)
- c. Current Use – Farm/Cottage (residential with garden)
- d. Current prioritisation
 - i. Human Health – C,
 - ii. Ground Water – C,
 - iii. Ecology- E,
 - iv. Surface Water – C

V. Sites 4,5,6,7,9,13

- a. No

3. Are there any closed, licensed, or unlicensed landfill sites within a 250 m radius of the site? If yes, what is their location (NGR) and what types of waste were deposited in them? Are there any known gassing issues? If any gas spiking/monitoring has been carried out, could you please supply the results?

- No

4. Is the Council aware of any environmental assessments or remedial activities having been undertaken at the site?

- Environmental Health do not hold or have knowledge of any

5. Is the Council aware of any fuel/chemical storage infrastructure at the site?

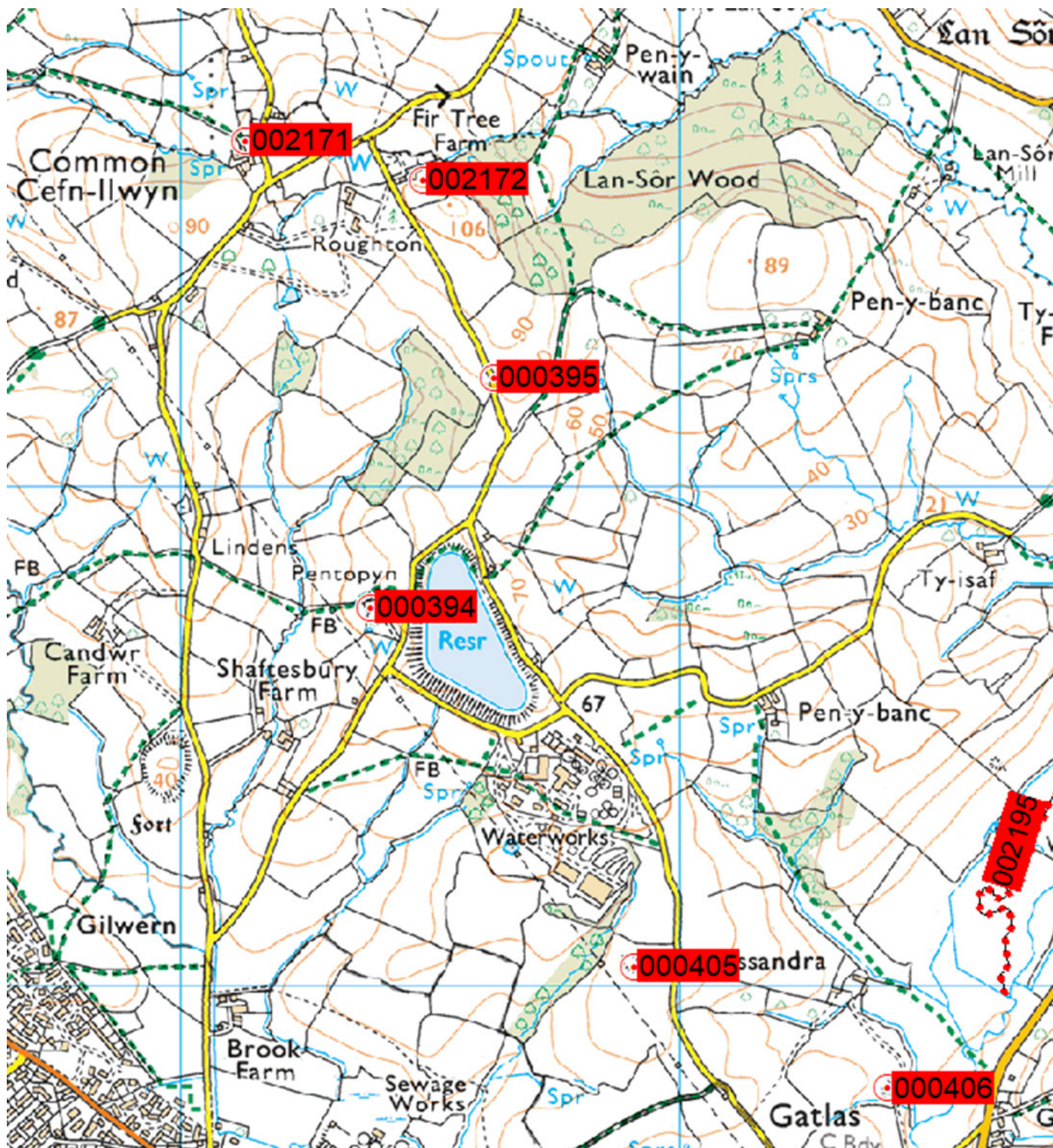
- Environmental Health is not aware of any however the Water Works that separates site 1 and site 8 does have several “Tanks”, however our records do not indicate if they are fuel/chemical storage tanks

6. Is there any private drinking water supplies on your Local Authority Water Supply Register, within a 1 km radius of the site? If yes, what is the location (i.e. NGR) and the source of the abstraction and its purpose.

- W020CMLLAN/1 W02 Private Water Supply - Small 10033357956 Llansoar
Farm Llanhennock Newport NP18 1LR 335217
193438 Borehole
- W030CMLLAN/7 W03 Single Source Supply Penwyn
Barn Llansoar Newport Monmouthshire NP18
1LR 335223 193440 Borehole
- W020CMLLAN/3 W02 Private Water Supply - Small 10033357957 Llansoar Farm
Bungalow Llanhennock Newport NP18 1LR 335189
193368 Borehole
- W030CMLLAN/12 W03 Single Source Supply 10033345320 Cwm Y Wiwer Farm
Bungalow Llansoar Newport NP18 1LW 335749
194148 Borehole

7. Is there any other relevant information that may need to be considered if redeveloping the site?

Refer to [Land contamination risk management \(LCRM\) - GOV.UK](#) for development of potentially contaminated sites.



Kind Regards

Paul

From: Tony Morton <TMorton@rsk.co.uk>

Sent: 11 September 2025 11:28

To: MCC - EnvironmentalHealth <EnvironmentalHealth@monmouthshire.gov.uk>

Subject: 315879 Candwr Farm Solar - Request for information (MCC)

Dear Monmouthshire County Council,

RSK has been commissioned to prepare a preliminary risk assessment (desk study report) related to proposed development at Candwr Farm/ Court Farm Solar scheme, Land at Court Farm, Land at Court Farm, Ponthir (nearest postcode NP18 1HT), located around grid reference ST 33406 93789. The proposed scheme covers approximately 130 ha and a site location plan is attached for information). The land falls across three separate local authorities (Monmouthshire County Council, Torfaen County Borough Council, Newport City Council) and we will be writing to each with the following queries.

We are trying to establish whether there are any potential contamination issues in connection with the site and we would therefore be grateful for the following information:

1. Is the Council aware of any contamination issues or specific incidents in connection with the site?
2. Has the site been identified under the Council's Contaminated Land Strategy for further investigation under the provisions of Part IIA of the EPA 1990? If so, please provide further details, including your predicted timescales for further action. If not, what is the likelihood of the site being identified in the future?
3. Are there any closed, licensed, or unlicensed landfill sites within a 250 m radius of the site? If yes, what is their location (NGR) and what types of waste were deposited in them? Are there any known gassing issues? If any gas spiking/monitoring has been carried out, could you please supply the results?
4. Is the Council aware of any environmental assessments or remedial activities having been undertaken at the site?
5. Is the Council aware of any fuel/chemical storage infrastructure at the site?
6. Is there any private drinking water supplies on your Local Authority Water Supply Register, within a 1 km radius of the site? If yes, what is the location (i.e. NGR) and the source of the abstraction and its purpose.
7. Is there any other relevant information that may need to be considered if redeveloping the site?

I understand there may a fee for this service, please advise and we shall be happy to arrange payment when required. If you have any questions relating to our request, please do not hesitate to contact us.

Kind regards,

Tony

Tony Morton BSc MSc CGeol FGS SiLC
Associate Director



RSK
The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB, UK

Switchboard: +44 (0)117 947 1006
Mobile: +44 (0) 7917 425262
email: tmorton@rsk.co.uk



<http://www.rsk.co.uk>

Global provider of environmental consultancy, health and safety, and ground engineering services

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Registered number: 115530

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Mae'r e-bost hwn wedi cael ei sganio â firws gan Microsoft Exchange Online Protection. Mae'r Cyngor yn croesawu gohebiaeth yn y Gymraeg neu'r Saesneg neu'r ddwy iaith, a bydd yn ymateb i chi yn unol â'ch dewis. Ni fydd gohebu yn Gymraeg yn arwain at oedi.

Dyma ein [Hysbysiad Preifatrwydd](#). Am wybodaeth preifatrwydd am ein gwefan, ewch i'n [Hysbysiad Preifatrwydd Gwefan a Chwcis](#).

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Tony Morton

From: NCC - Information Management <information.management@newport.gov.uk>
Sent: 09 October 2025 12:05
To: Tony Morton
Subject: Freedom of Information Request REF1317

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You don't often get email from information.management@newport.gov.uk. [Learn why this is important](#)

Dear T Morton,

Thank you for your recent request for information which I have enclosed below for ease of reference. Your request has been treated in accordance with the Freedom of Information Act 2000 and/or the Environmental Information Regulations 2004.

Your Request : REF1317

I can confirm that we hold information that falls within the scope of your request. The answers to your questions have been provided in **red** text below

Good morning RSK has been commissioned to prepare a preliminary risk assessment (desk study report) related to proposed development at Candwr Farm/ Court Farm Solar scheme, Land at Court Farm, Land at Court Farm, Ponthir (nearest postcode NP18 1HT), located around grid reference ST 33406 93789. The proposed scheme covers approximately 130 ha and a site location plan has been uploaded. The land falls across three separate local authorities (Monmouthshire County Council, Torfaen County Borough Council, Newport City Council) and we will be writing to each with the following queries. We are trying to establish whether there are any potential contamination issues in connection with the site and we would therefore be grateful for the following information:

1. Is the Council aware of any contamination issues or specific incidents in connection with the site?

No

2. Has the site been identified under the Council's Contaminated Land Strategy for further investigation under the provisions of Part IIA of the EPA 1990? If so, please provide further details, including your predicted timescales for further action. If not, what is the likelihood of the site being identified in the future?

No

3. Are there any closed, licensed, or unlicensed landfill sites within a 250 m radius of the site? If yes, what is their location (NGR) and what types of waste were deposited in them? Are there any known gassing issues? If any gas spiking/monitoring has been carried out, could you please supply the results?

None that we are aware of

4. Is the Council aware of any environmental assessments or remedial activities having been undertaken at the site?

No

5. Is the Council aware of any fuel/chemical storage infrastructure at the site?

No

6. Is there any private drinking water supplies on your Local Authority Water Supply Register, within a 1 km radius of the site? If yes, what is the location (i.e. NGR) and the source of the abstraction and its purpose.

No

7. Is there any other relevant information that may need to be considered if redeveloping the site?

Consultation with the local planning authority will be required before any development can be considered.

If there is any further information that we can provide, please submit a further request. If you have any queries about this email or if you are unhappy with the service you have received in relation to your request and wish to

make a complaint or request a review of our decision, please contact me at information.management@newport.gov.uk.

If you are not content with the subsequent outcome of your complaint, you may apply directly to the Information Commissioner for a decision. Generally, the ICO cannot make a decision unless you have exhausted the Councils complaints procedure. To contact the Information Commissioner click [HERE](#).

For future reference, all Freedom of Information requests can now be submitted via the link below.

www.newport.gov.uk/foi
www.casnewydd.gov.uk/rhg

Alternatively you can send requests to information.management@newport.gov.uk

Kind regards,
Sarah Jones
Information Management

Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg, Saesneg neu yn y ddwy iaith. Byddwn yn cyfathrebu â chi yn ôl eich dewis. Ni fydd gohebu yn Gymraeg yn arwain at oedi.

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Mae'r e-bost hwn yn cynnwys gwybodaeth y bwriedir ar gyfer y derbynnydd yn unig a gall fod yn gyfrinachol, yn destun ragorfrant gyfreithiol neu broffesiynol, neu fel arall wedi'i diogelu rhag cael ei rhyddhau. Os nad chi yw derbynnydd bwriadedig y neges hon, a fyddoch cystal â rhoi gwybod i'r anfonwr ar unwaith a pheidio â datgelu, dosbarthu neu gopïo'r e-bost i unrhyw barti arall. Mae'r e-bost hon ac unrhyw ffeiliau atodedig yn eiddo i Gyngor Dinas Casnewydd.

Pan fyddwch yn anfon e-bost at Gyngor Dinas Casnewydd, rydych yn cydsynio i'r Cyngor fonitro a darllen unrhyw e-byst o'r fath at ddibenion cydymffurfio â diogelwch ac â deddfwriaeth. I weld yr ymwadiad llawn ewch i https://protect.checkpoint.com/v2/r02/___http://www.newport.gov.uk/DrBfinfi___YzJlOnJza2dyb3VwcGxjOmM6bzoXZmlwZmQ4Y2ExY2FmMmE2YjZkMmZmM2EyMTk3NTcyODo3OjhiMWE6NDQwYzY3YTNlNDVjMmU4OTQ1NzViNTY5ZmlxN2MwZjUyZmM4NDQ0YjZiM2Y5Nzk2YzBiODc3ODJjMGJlYzQ2Njp0OIQ6VA

Tony Morton

From: Marshall, Richard <richard.marshall@torfaen.gov.uk>
Sent: 25 September 2025 13:04
To: Tony Morton
Subject: RE: 315879 - Candwr Farm Solar - Request for information (Torfaen)
Attachments: P24_2075_EN_11D Field Reference.pdf

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You don't often get email from richard.marshall@torfaen.gov.uk. [Learn why this is important](#)

Dear Tony,

Comments provided below and relate only to those areas of the search site that fall within the administrative boundaries of Torfaen County Borough Council.

This response is based solely upon information held by this office at this time and relates only to information held by the Environmental Health Team of the Council. The enquirer may wish to contact other departments within Torfaen County Borough Council to satisfy themselves that all possible information relevant to the site has been obtained.

Regards,

Richard Marshall

Senior Environmental Health Officer/Uwch Swyddog Iechyd yr Amgylchedd
Housing Safety and Environmental Protection Team / Tim Diogelwch Tai a Diogelu'r Amgylchedd
Economy and Environment/Yr Economi a'r Amgylchedd
Torfaen County Borough Council/Cyngor Bwrdeistref Sirol Torfaen
Phone/Ffôn: 01633 647289
Email/Ebost: richard.marshall@torfaen.gov.uk
Address/Cyfeiriad: Economy and Environment, Torfaen County Borough Council, Civic Centre, Pontypool, Torfaen, NP4 6YB /
Yr Economi a'r Amgylchedd, Cyngor Bwrdeistref Sirol Torfaen, Y Ganolfan Ddinesig, Pont-y-pŵl, Torfaen, NP4 6YB
Web Page/Tudalen We: <http://www.torfaen.gov.uk/>

From: Tony Morton <TMorton@rsk.co.uk>
Sent: 11 September 2025 11:29
To: TCBC - Public Health Team <Public.Health@torfaen.gov.uk>
Subject: 315879 - Candwr Farm Solar - Request for information (Torfaen)

External: This email originated from outside Torfaen County Borough Council. Please take care when clicking links.

Allanol: Mae'r e-bost yma wedi dod o'r tu allan i Gyngor Bwrdeistref Sirol Torfaen, cymerwch ofal wrth glicio ar ddolenni.

Dear Torfaen County Borough Council,

RSK has been commissioned to prepare a preliminary risk assessment (desk study report) related to proposed development at Candwr Farm/ Court Farm Solar scheme, Land at Court Farm, Land at Court Farm, Ponthir (nearest postcode NP18 1HT), located around grid reference ST 33406 93789. The proposed scheme covers approximately 130 Ha and a site location plan is attached for information). The land falls across three

separate local authorities (Monmouthshire County Council, Torfaen County Borough Council, Newport City Council) and we will be writing to each with the following queries.

We are trying to establish whether there are any potential contamination issues in connection with the site and we would therefore be grateful for the following information:

1. Is the Council aware of any contamination issues or specific incidents in connection with the site? The land subject to this search has not been defined as 'Contaminated' in accordance with Section 78A of the Environmental Protection Act 1990 and so no notices relating to the property have been served under s.78B(3). Furthermore, no entries relating to the property have been made in the Council's Register, maintained under s.78R(1) of the said Act.
2. Has the site been identified under the Council's Contaminated Land Strategy for further investigation under the provisions of Part IIA of the EPA 1990? If so, please provide further details, including your predicted timescales for further action. If not, what is the likelihood of the site being identified in the future? As above
3. Are there any closed, licensed, or unlicensed landfill sites within a 250 m radius of the site? If yes, what is their location (NGR) and what types of waste were deposited in them? Are there any known gassing issues? If any gas spiking/monitoring has been carried out, could you please supply the results? Enquiries should be made with Natural Resources Wales.
4. Is the Council aware of any environmental assessments or remedial activities having been undertaken at the site? No
5. Is the Council aware of any fuel/chemical storage infrastructure at the site? Not aware.
6. Is there any private drinking water supplies on your Local Authority Water Supply Register, within a 1 km radius of the site? If yes, what is the location (i.e. NGR) and the source of the abstraction and its purpose.

Grid_Reference_ : 331989, 194271

Description_of_source : Spring

Water_being_supplied_for : Domestic use only

Grid_Reference_ : 338199, 194687

Description_of_source : Spring

Water_being_supplied_for : Domestic Use Only

Grid_Reference_ : 332303, 194758

Description_of_source : Borehole

Water_being_supplied_for : Domestic use only

7. Is there any other relevant information that may need to be considered if redeveloping the site? This enquiry should be sent to planning@torfaen.gov.uk

I understand there may a fee for this service, please advise and we shall be happy to arrange payment when required. If you have any questions relating to our request, please do not hesitate to contact us.

Kind regards,

Tony

Tony Morton BSc MSc CGeol FGS SiLC
Associate Director



RSK

The Old School, Stillhouse Lane, Bedminster, Bristol, BS3 4EB, UK

Switchboard: +44 (0)117 947 1006

Mobile: +44 (0) 7917 425262

email: tmorton@rsk.co.uk



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***** YMWADIAD: Mae'r wybodaeth sy'n gynnwysedig yn yr e-bost yma a) yn eiddo i Gyngor Bwrdeistref Sirol Torfaen; a b) yn gyfrinachol. Fe'i bwriedir ar gyfer y derbynnydd yn unig. Os nad chi yw'r sawl y cyfeiriwyd hi ato, ni ddylech ddadlennu, copïo na dosbarthu'r wybodaeth neu ei defnyddio i weithredu. Os derbyniwch yr e-bost yma fel camgymeriad, gadewch i ni wybod ar unwaith drwy ffonio ++44 (0) 1495 766366, a danfonwch yr e-bost yn ol gydag unrhyw atodiadau. RHYBUDD: Gwnewch yn siwr bod gennych ddiogelwch feirws digonol cyn agor neu ddatgysylltu unrhyw ddogfen sydd yn atodiad i'r e-bost hwn. Mae'r Cyngor yn croesawu gohebiaeth yn Gymraeg a Saesneg. Cewch ateb Cymraeg i bob gohebiaeth yn Gymraeg ac ni fydd yn arwain i unrhyw oedi. Mae data personol sy'n cael ei brosesu gan y cyngor yn cael ei wneud yn unol â'r gofynion sydd arnom ni o dan y Gyfraith Diogelu Data (RhDDC y DU a

Deddf Diogelu Data 2018). Am fwy o wybodaeth ar sut yr ydym yn gwneud hyn gwelwch ein Hysbysiad Preifatrwydd

Appendix F PHOTOGRAPHIC RECORD

PHOTOGRAPHIC LOG		
Photo no. 1	Date: 18/09/2025	
Parcel 1		
Description: View across field to south of lane.		
Photo No. 2	Date: 18/09/2025	
Parcel 1		
Description: View across field to north of lane.		

Photo No. 3	Date: 18/09/2025	
Parcel 2		
Description: View across parcel 2 with sheep grazing.		

Photo No. 4	Date: 18/09/2025	 
Parcel 2		
Description: Pipe in stream bed (to improve flow?) noting brick and other material used as backfill. Utility cover at top of south-eastern field.		

Photo No. 5	Date: 18/09/2025	
Parcel 3		
Description: View of northern field being used to graze horses.		

Photo No. 6	Date: 18/09/2025	
Parcel 3		
Description: View across central field towards lattice pylon in southern field.		

Photo No. 7	Date: 18/09/2025	
Parcel 4		
Description: View across northern part of field with electrical cables and lattice pylon.		

Photo No. 8	Date: 18/09/2025	
Parcel 4		
Description: Looking across the eastern field being used for grazing horses.		

Photo No. 9	Date: 18/09/2025	
Parcel 5		
Description: View looking north-west up parcel 5 from Candwr Brook.		

Photo No. 10	Date: 18/09/2025	
Parcel 5		
Description: View looking south across parcel 5 from adjacent footpath.		

Photo No. 11	Date: 18/09/2025	
Parcel 6		
Description: View looking east across parcel 6.		

Photo No. 12	Date: 18/09/2025	
Parcel 6		
Description: View looking north across parcel 6.		

Photo No. 13	Date: 18/09/2025	
Parcel 7		
Description: Looking south towards parcel 6 and ford across Sirhowy Brook to gain access.		

Photo No. 14	Date: 18/09/2025	
Parcel 7		
Description: Looking south across western field.		

Photo No. 15	Date: 18/09/2025	
Parcel 8		
Description: Looking north from the southern field.		

Photo No. 16	Date: 18/09/2025	
Parcel 8		
Description: Looking north from the northern field. Wooded area in the background with pylon located just to the south of the water works.		

Photo No. 17	Date: 18/09/2025	
Parcel 9		
Description: Looking east across the eastern field.		

Photo No. 18	Date: 18/09/2025	
Parcel 9		
Description: Looking east across the south-eastern field noting access track to Pant-yr-eos.		

Photo No. 19	Date: 18/09/2025	
Parcel 10		
Description: View east along the northern boundary of the parcel towards the Candwr Brook.		

Photo No. 20	Date: 18/09/2025	
Parcel 10		
Description: View of central field, noting electrical cables over-sailing field.		

Photo No. 21	Date: 18/09/2025	
Parcel 11		
Description: Looking west across field being used to graze sheep.		

Photo No. 22	Date: 18/09/2025	 
Parcel 11		
Description: Concrete bridge forming access to parcel 2, noting brick concrete and tarmac fragments at the surface.		

Photo No. 23	Date: 18/09/2025	
Parcel 12		
Description: Looking east across the southern field, low lying and relatively level.		

Photo No. 24	Date: 18/09/2025	
Parcel 12		
Description: Looking north across central field.		

Photo No. 25	Date: 18/09/2025	
Parcel 12		
Description: Hydrophilic plants (reeds) on lower ground indicating wetter conditions.		

Photo No. 26	Date: 18/09/2025	
Parcel 12		
Description: Looking north across northernmost field.		

Photo No. 27	Date: 18/09/2025
Parcel 13	
Description: Looking east over Pant-yr-eos and electricity cables on wooden poles.	

A landscape photograph taken from an elevated position looking east. The foreground is a lush green field. In the middle ground, there is a dense line of trees and a stone wall. Behind the trees, a large building with a red roof is visible. In the background, there are rolling green hills and a small white building. Electricity cables on wooden poles are visible across the scene.

Photo No. 28	Date: 18/09/2025	
Parcel 13		
Description: Looking north towards Pant-yr-eos.		

Photo No. 29	Date: 18/09/2025	
Parcel 13		
Description: Looking north.		

Photo No. 30	Date: 18/09/2025	
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Description: Footbridge and ford between parcel 6 and 5.		

Photo No. 31	Date: 18/09/2025	
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Description: Looking south into water works.		

Photo No. 32	Date: 18/09/2025	
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Description: Looking south-east over water works.		

Appendix G

TECHNICAL BACKGROUND

G 1. Desk Study

Aquifer designation and Source protection zones (England and Wales)

Principal aquifer: layers of rock or drift deposit that have high intergranular and/or fracture permeability (usually providing a high level of water storage). They may support water supply and/or river base flow on a strategic scale.

Secondary A aquifer: 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.

Secondary B aquifer: predominantly lower permeability layers that may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering.

Secondary undifferentiated aquifer: it has not been possible to attribute either a category A or B to a rock type. In most cases this means that it was previously designated as both a minor and non-aquifer in different locations owing to the variable characteristics.

Unproductive strata: low permeability with negligible significance for water supply or river base flow.

The EA generally adopts a three-fold classification of source protection zones (SPZ) surround abstractions for public water supply. The Site is situated in an area defined as follows:

- Zone 1 or the 'inner protection zone' is located immediately adjacent to the groundwater source and is based on a 50-day travel time from any point below the water table to the source. It is designed to protect against the effects of human activity and biological/chemical contaminants that may have an immediate effect on the source
- Zone 2 or the 'outer protection zone' is defined by a 400-day travel time from a point below the water table to the source. The travel time is designed to provide delay and attenuation of slowly degrading pollutants
- Zone 3 or the 'total catchment' is the area around the source within which all groundwater recharge is presumed to be discharged at the source.

Future climate change considerations

Several data sources, based on UKCP18 data, are available with which climate change projections can be viewed. These are detailed in the following table. In order to enable a consistent approach in our risk assessment we have based our initial assessment on data available for RCP8.5 data for the far future (2080s) for an initial conservative risk screen.

Climate change induced effect	Source	Notes	Comment
Temperature	https://uk-cri.org	RCP 8.5 average temperature maps for far future (2071-2100), UKCP18 Regional,	Anticipated to be conservative. It has been assumed that a change of +/- 5% is unlikely to have a significant impact

Climate change induced effect	Source	Notes	Comment
		median, 12 x 12 km spatial resolution	
Rainfall/recharge	https://uk-cri.org	RCP 8.5 annual rainfall for far future (2017-2100), UKCP18 Regional, median, 12 x 12 km or Local Authority spatial resolution	Anticipated to be conservative. It is anticipated that a change of +/- 5% is unlikely to have a significant impact for all sites. If a site is located in an urban area away from sensitive dependent receptors then a change of +/- 10% is unlikely to have a significant impact.
Flood risk maps for England/ Wales/ Scotland	https://check-long-term-flood-risk.service.gov.uk/risk (England), https://flood-map-for-planning.naturalresources.wales (Wales), https://map.sepa.org.uk/floodmaps/FloodRisk/FutureFloodMaps (Scotland)	Future flood maps are only available for England and Scotland.	Identify areas likely to be affected or at an increased risk from future flooding
Coastal erosion	https://www.gov.uk/check-coastal-erosion-management-in-your-area (England), https://naturalresources.wales/flooding/check-your-coastal-erosion-risk-national-coastal-erosion-risk-management-map/?lang=en (Wales), https://www.dynamiccoast.com/webmaps (Scotland)		Predicted coastal erosion rates. Includes for potential future scenarios to show how erosion may increase with rising sea levels because of climate change based on UKCP18 projections for a high missions scenario.
Shrink and swell potential	BGS Geoindex layer for GeoClimate UKCP18	GeoClimate UKCP18 (2030 to 2070)	Impossible, possible or probable that foundations will be affected by increased clay-shrink-swell

Preliminary risk assessment methodology

LCRM outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) contaminant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

The likelihood of an event can be classified on a four-point system using the following terms and definitions based on CIRIA C552:

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term
- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

RSK also adopt a 'very unlikely' probability to account for where there may be increased certainty over whether an event is probable in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

- severe: short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000)
- medium: chronic damage to human health ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem
- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment
- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the following:

		Consequences			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low

	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low
	Very Unlikely	Low	Very Low	Negligible	Negligible

Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

- very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required
- high: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term
- moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term
- low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild
- very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.