



Study Area (5km minimum radius)

The map shows the Newport/Casnewydd area in Wales. A large black circle highlights the central urban area. A red line traces a route through the area, starting from the bottom left, passing through the center, and ending at the top right. The map includes labels for various locations such as Llandevenny, Magor, Newport/Casnewydd, and Newport/Casnewydd. It also shows roads, landmarks, and a large black circle highlighting the central urban area.

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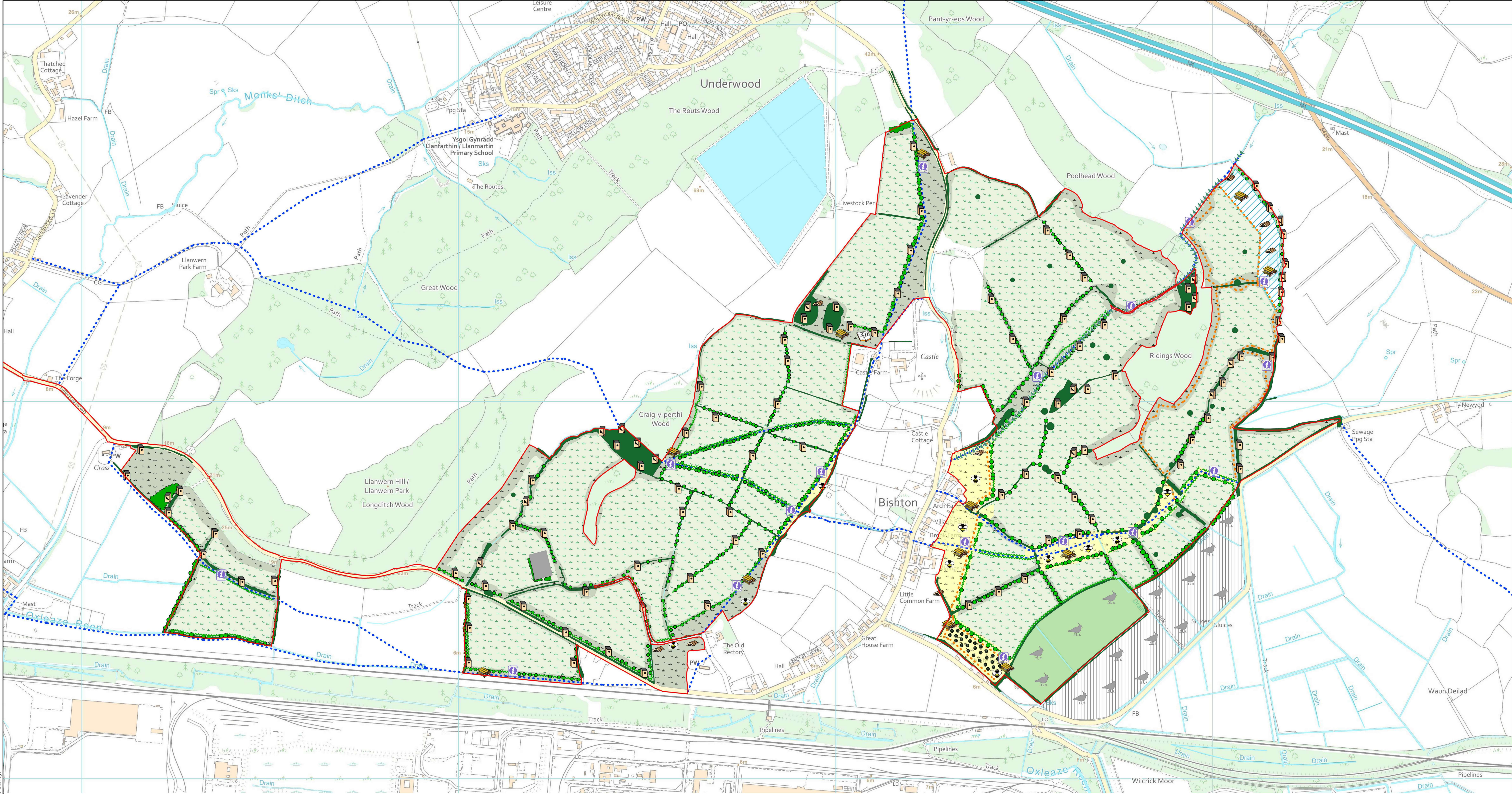
Location Plan
Figure 1.1

Craig Y Perthi Solar Farm Bishton, Newport



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Key

Proposed

- Site boundary
- Permissive path
- Substation

Existing

- Woodland, hedgerows and trees to be protected and retained. Hedgerows managed to a minimum of 3m high and any gaps in-filled with native species
- Public right of way. Public rights of way within the development will be improved so that they can be used all year round with improved accessibility with restoration of all footpath bridges

Landscape and Ecological Mitigation

- Grazing grassland that supports pollinators, appropriate for solar schemes, sown on any bare ground following construction activities to maintain a continuous sward.
- Wildflower EM2 or similar enhanced with Shrilc Carder food plants
- Wildflower EM10 or similar enhanced with Shrilc Carder food plants
- Wetland Meadow EM8 or similar
- Nesting bird habitat
- Nesting bird habitat in SSSI (secured via condition or S106)
- Green lane

- Native species hedgerow
- Native woodland planting
- Native tree planting
- Orchard tree planting
- Outdoor educational space

- Insect / Bee hotels
- Bird boxes
- Reptile hibernacula
- Bat box
- Bench
- Information board

Total Area of Enhancements

Grass mix (Grazing Grassland)	275 acres
Wildflower Meadow Mix (EM2 or similar)	75 acres
Wildflower Meadow Mix (EM10 or similar)	27 acres
Wetland Meadow Mix (EM8 or similar)	4.9 acres
Nesting Bird Habitat	40.8 acres
Native species hedgerow	8.1 km
Native Woodland	0.8 acres
Native Tree Planting (boundary length)	10.75 km
Orchard Tree Planting	0.85 acres

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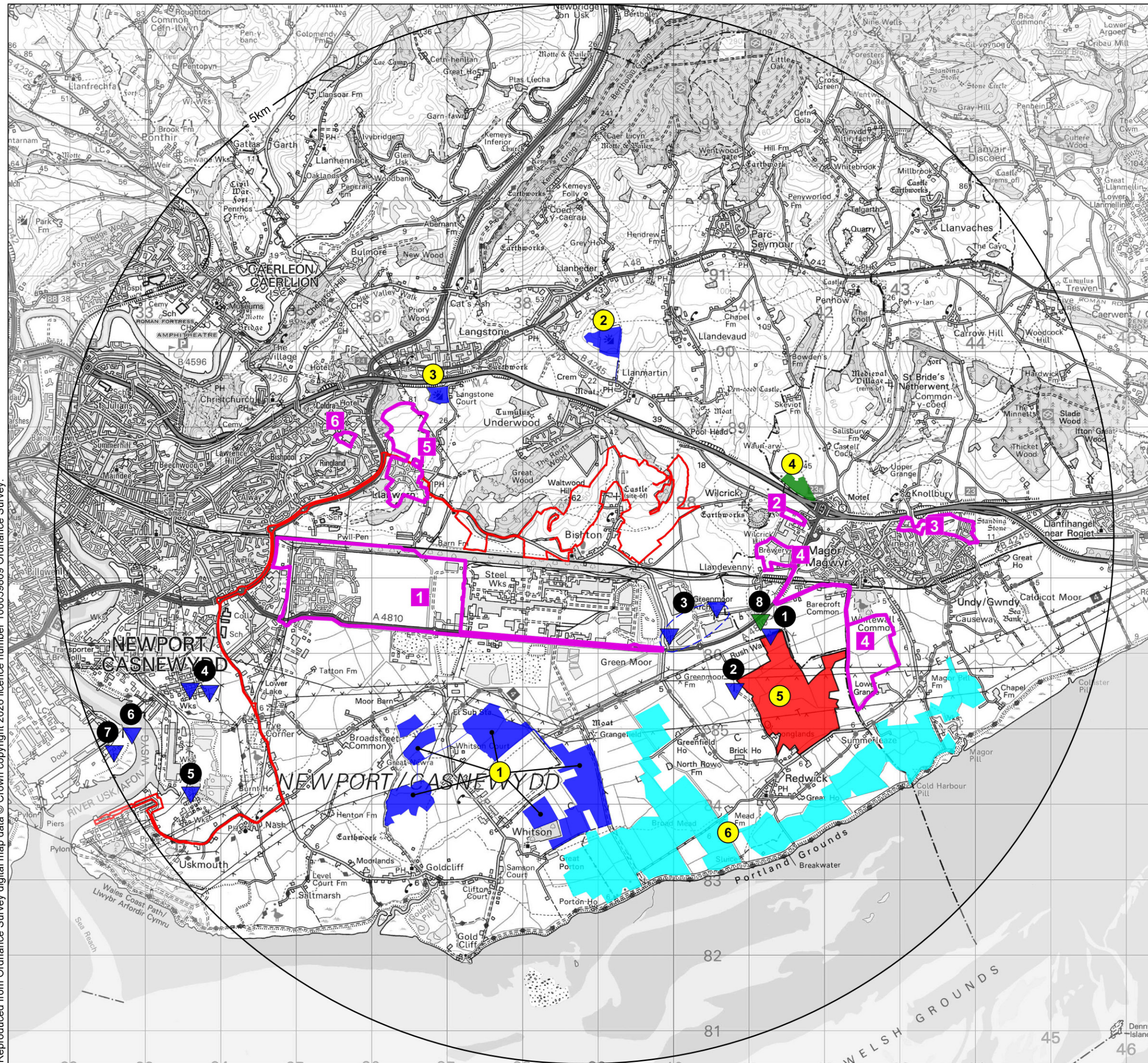
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Enhancements Plan
Figure 2c

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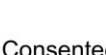


Key

-  Site Boundary
-  Study Area (5km minimum radius)

Solar Energy Schemes

Operational

-  1) Llanwern
-  2) Court Farm
-  3) Hazel Farm

Consented

-  4) Magor Motorway Service Area

Planned

-  5) Rush Wall

Pre-application

-  6) Future Energy, Llanwern

Wind Energy Schemes

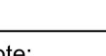
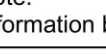
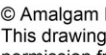
Operational

-  1) Rush Wall
-  2) Little Longlands
-  3) Tesco Distribution Centre
-  4) Solutia
-  5) Nash Treatment Works
-  6) Alexandra Docks
-  7) South Docks

Consented

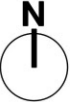
-  8) North Court

Other Schemes

-  1) Magor Net Zero
-  2) Magor Brewery Fermentation Vessels
-  3) Rockfield Farm / Vinegar Hill
-  4) Glan Llyn
-  5) Llanwern Village
-  6) Ringland Centre

Note:
Information based on available planning data up to 01/06/2026

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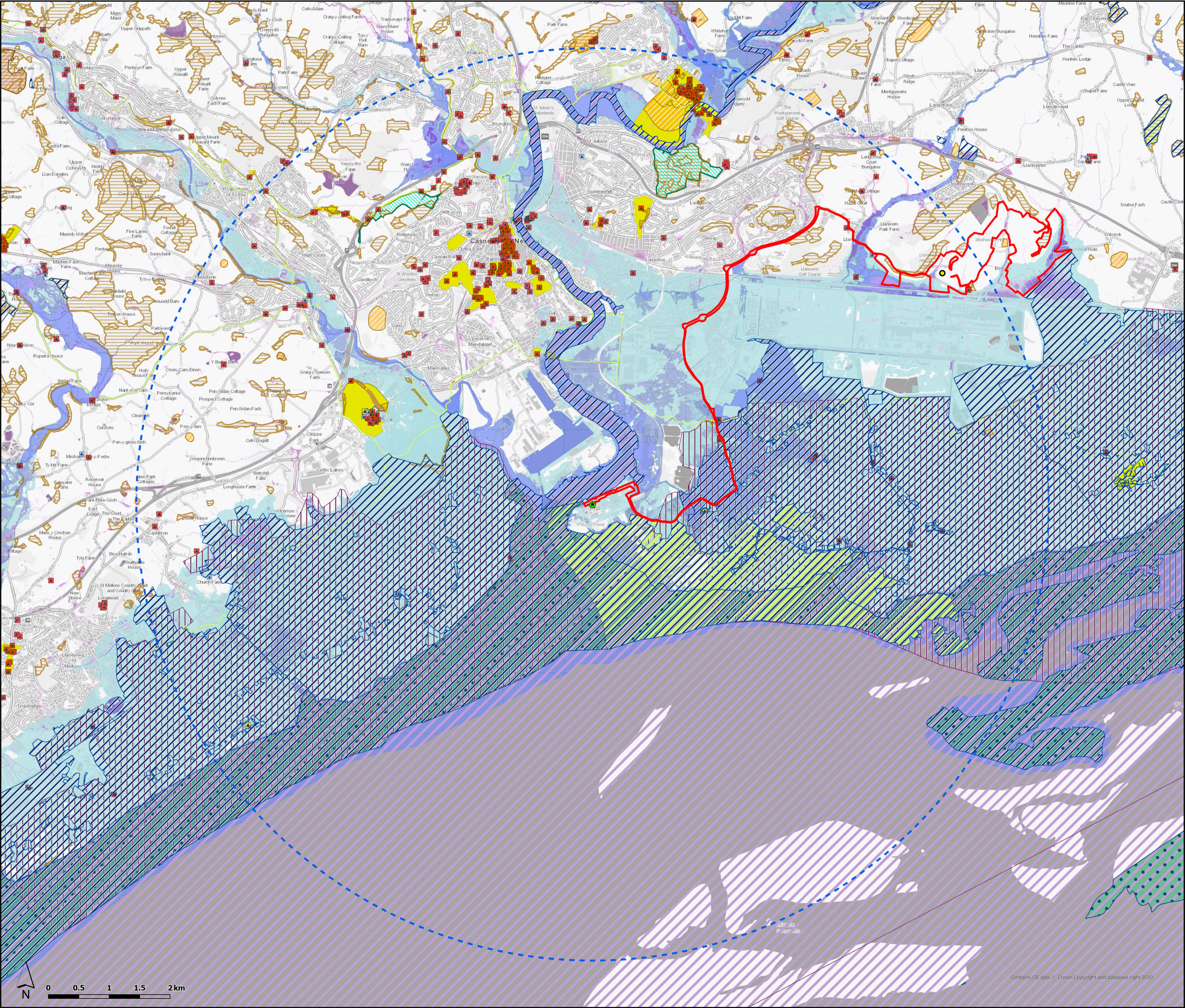
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Cumulative Development Figure 2.1

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Legend

- Uskmouth Grid Supply Plant
- Proposed on-site 132kv Substation
- Application Boundary
- Search Corridor (7.5 km)

Listed Buildings

- Grade I
- Grade II
- Grade II*

- National Cycle Network
- Historic Parks And Gardens
- Ancient Woodland
- AONB
- Scheduled Monuments
- Conservation Area
- Country Parks
- National Nature Reserves
- SSSI
- Local Nature Reserves
- Historic Landscapes
- Special Protection Areas
- Special Areas of Conservation
- Ramsar

Flood Risk from Rivers and Sea

- Low
- Medium
- High

Flood Risk from Surface Water and Small Watercourses

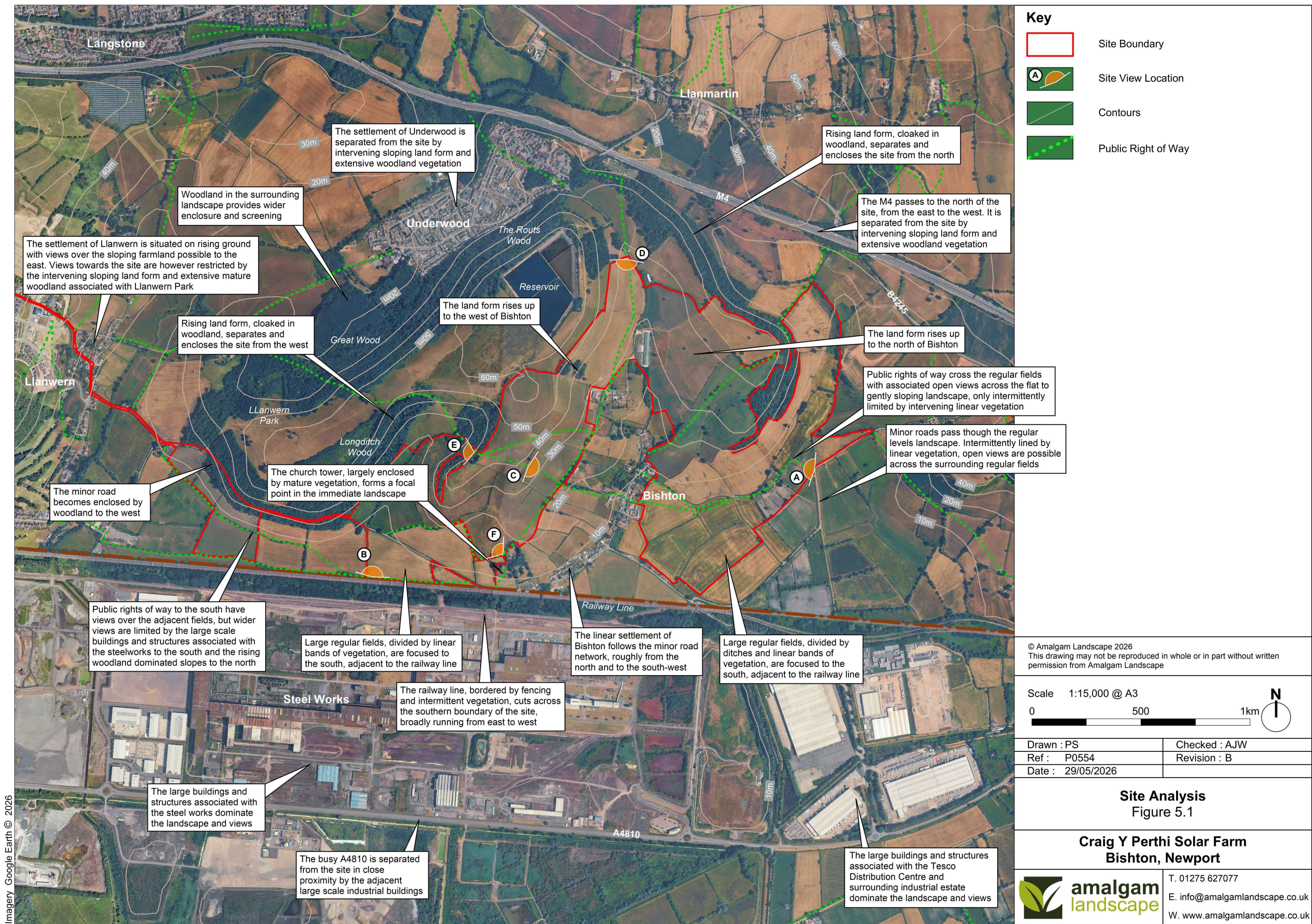
- Low
- Medium
- High

Figure 3 - Environmental Constraints for Site Selection

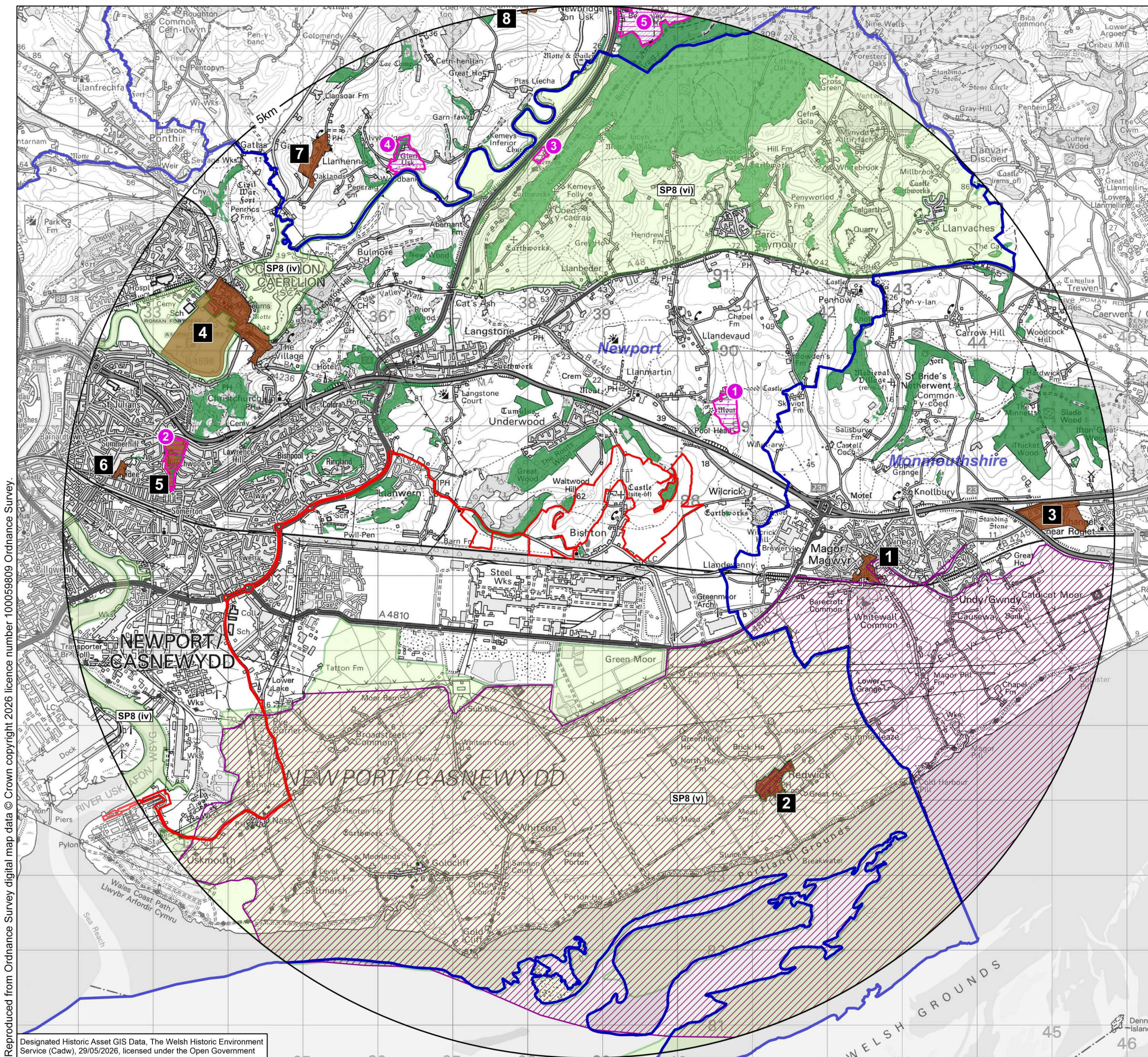
Project:	J026a Craig y Perthi
Drawing No:	SAAP-J026a-3
Drawn By:	ML
Date:	19/05/2026
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Key

- Site Boundary
- Study Area (5km minimum radius)
- Unitary Authority Boundary

Landscape Relevant Designations

- Gwent Levels
- Landscape of Historic Interest
- Special Landscape Areas
 - SP8 (iv) - River Usk
 - SP8 (v) - Caldicot Levels
 - SP8 (vi) - Wentwood
- Registered Parks and Gardens
 - 1) Pencoed Castle
 - 2) Beechwood Park
 - 3) Kemeys House
 - 4) Glen Usk
 - 5) Bertholey House
- Conservation Areas
 - 1) Magor
 - 2) Redwick
 - 3) Rogiet
 - 4) Caerleon
 - 5) Beechwood Park
 - 6) Kensington Place
 - 7) Llanhennock
 - 8) Tredunnoch
- Ancient Woodland

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Scale 1:50,000 @ A3

0 1 3km

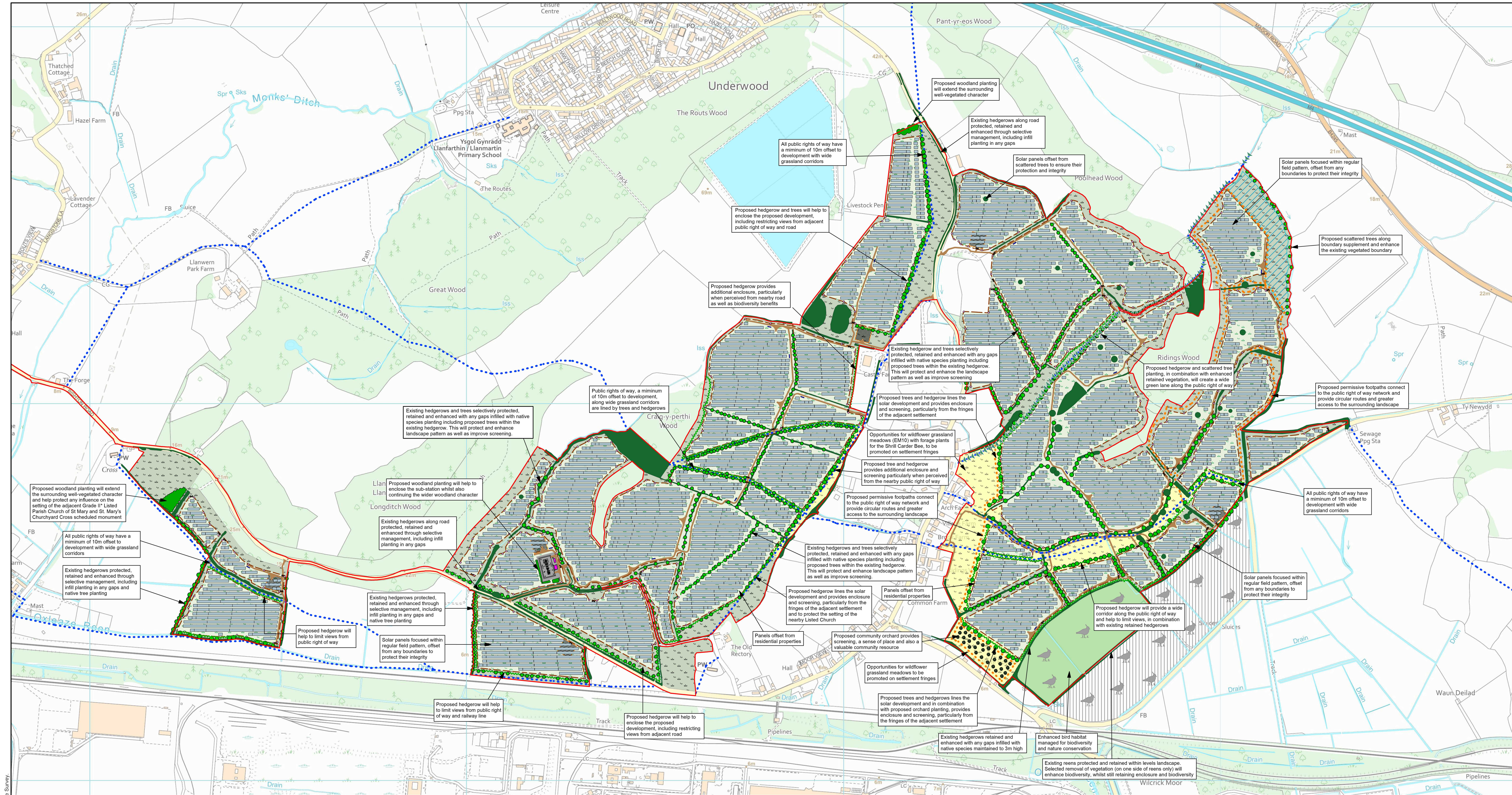
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Landscape Relevant Designations
Figure 5.3

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Key		Existing		Landscape and Ecological Mitigation	
Proposed	Site boundary	Permissive path	Woodland, hedgerows and trees to be protected and retained. Hedgerows managed to a minimum of 3m high and any gaps in-filled with native species	Grazing grassland that supports pollinators, appropriate for solar schemes, sown on any bare ground following construction activities to maintain a continuous sward.	Native species hedgerow
	Solar panels	CCTV	Public right of way. Public rights of way within the development will be improved so that they can be used all year round with improved accessibility with restoration of all footpath bridges	Wildflower EM2 or similar enhanced with Shril Carder food plants	Native woodland planting
	Deer fence	Access gate		Wildflower EM10 or similar enhanced with Shril Carder food plants	Native tree planting
	Transformer container	Substation		Wetland Meadow EM8 or similar	Orchard tree planting
	Spares container	Temporary construction compound		Nesting bird habitat	
	Customer switch gear container			Nesting bird habitat in SSSI (secured via condition or S106)	
	Access track			Green lane	

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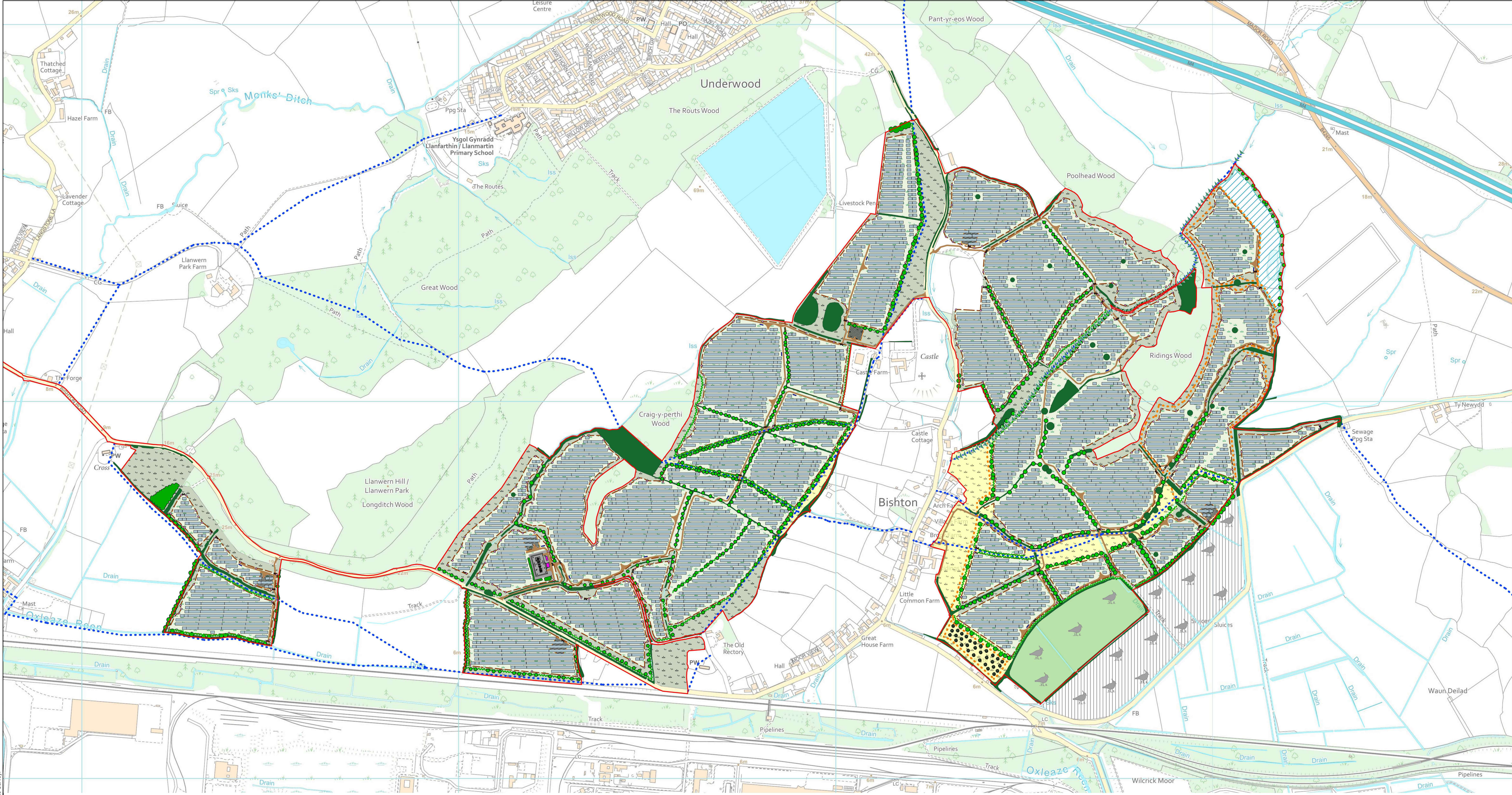
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Illustrative Landscape Masterplan
Figure 5.37

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Key

Proposed

- Site boundary
- Solar panels
- Deer fence
- Transformer container
- Spares container
- Customer switch gear container
- Access track

Existing

- Woodland, hedgerows and trees to be protected and retained. Hedgerows managed to a minimum of 3m high and any gaps in-filled with native species
- Public right of way. Public rights of way within the development will be improved so that they can be used all year round with improved accessibility with restoration of all footpath bridges

Landscaping and Ecological Mitigation

- Grazing grassland that supports pollinators, appropriate for solar schemes, sown on any bare ground following construction activities to maintain a continuous sward.
- Wildflower EM2 or similar enhanced with Shril Carder food plants
- Wildflower EM10 or similar enhanced with Shril Carder food plants
- Wetland Meadow EM8 or similar
- Nesting bird habitat
- Nesting bird habitat in SSSI (secured via condition or S106)
- Green lane

- Permissive path
- CCTV
- Access gate
- Substation
- Temporary construction compound

- Native species hedgerow
- Native woodland planting
- Native tree planting
- Orchard tree planting

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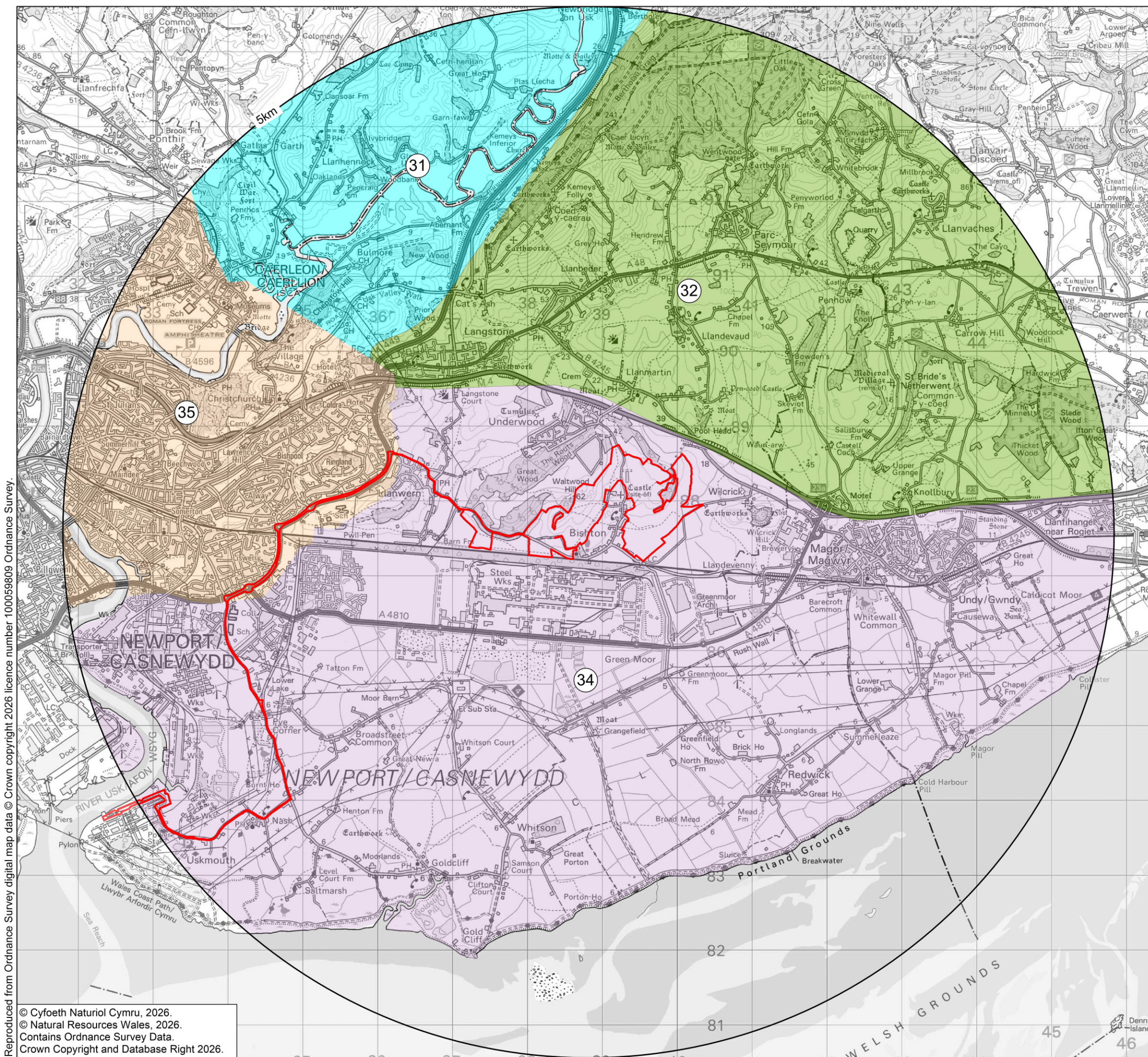
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Illustrative Landscape Masterplan
Figure 5.37

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Key

- Site Boundary
- Study Area (5km minimum radius)

National Landscape Character Areas

- 31 Central Monmouthshire
- 32 Wye Valley and Wentwood
- 34 Gwent Levels
- 35 Newport, Cardiff and Barry

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Scale 1:50,000 @ A3

0 1 3km

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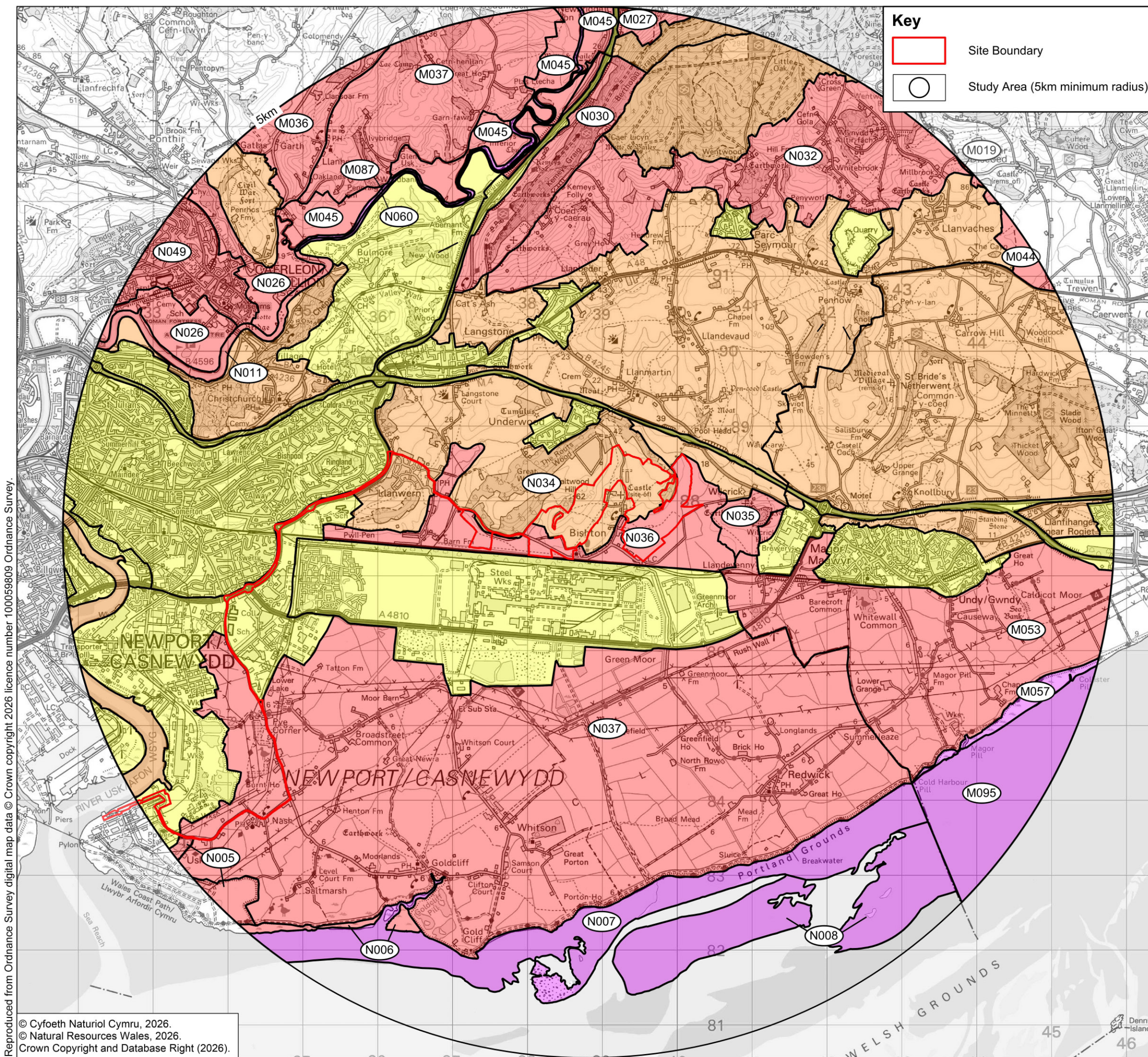
National Landscape Character Areas
Figure 5.4

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Key

Site Boundary

Study Area (5km minimum radius)

Visual and Sensory Aspect Areas

Outstanding

High

Moderate

Low

Monmouthshire (MNMTHVS)

M019	Chepstow Parkland	High
M027	Devauden Scarp Slope	High
M036	Sor Brook Valley	High
M037	Llanhennock Valley	High
M044	Chepstow Woods	High
M045	Lower Usk Valley	High
M053	Western Coastal Grasslands	High
M057	Western Saltmarsh and Mudbanks	Outstanding
M087	River Usk	Outstanding
M095	Bedwin Sands	Outstanding

Newport (NWPRTVS)

N005	Nash Wetlands	High
N006	Estuary Saltmarsh	High
N007	Estuary Mudflats	Outstanding
N008	Severn Estuary	Outstanding
N011	River Usk	High
N026	Usk Floodplain	High
N030	Kemeys Graig	High
N032	Wentwood Valley Slopes	High
N034	Llanwern Park	Moderate
N035	Wilcrick Hill	High
N036	Wilcrick Moor	High
N037	Caldicot Level	High
N049	Caerleon	High
N060	River Usk	Outstanding

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Scale 1:50,000 @ A3

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1

3km

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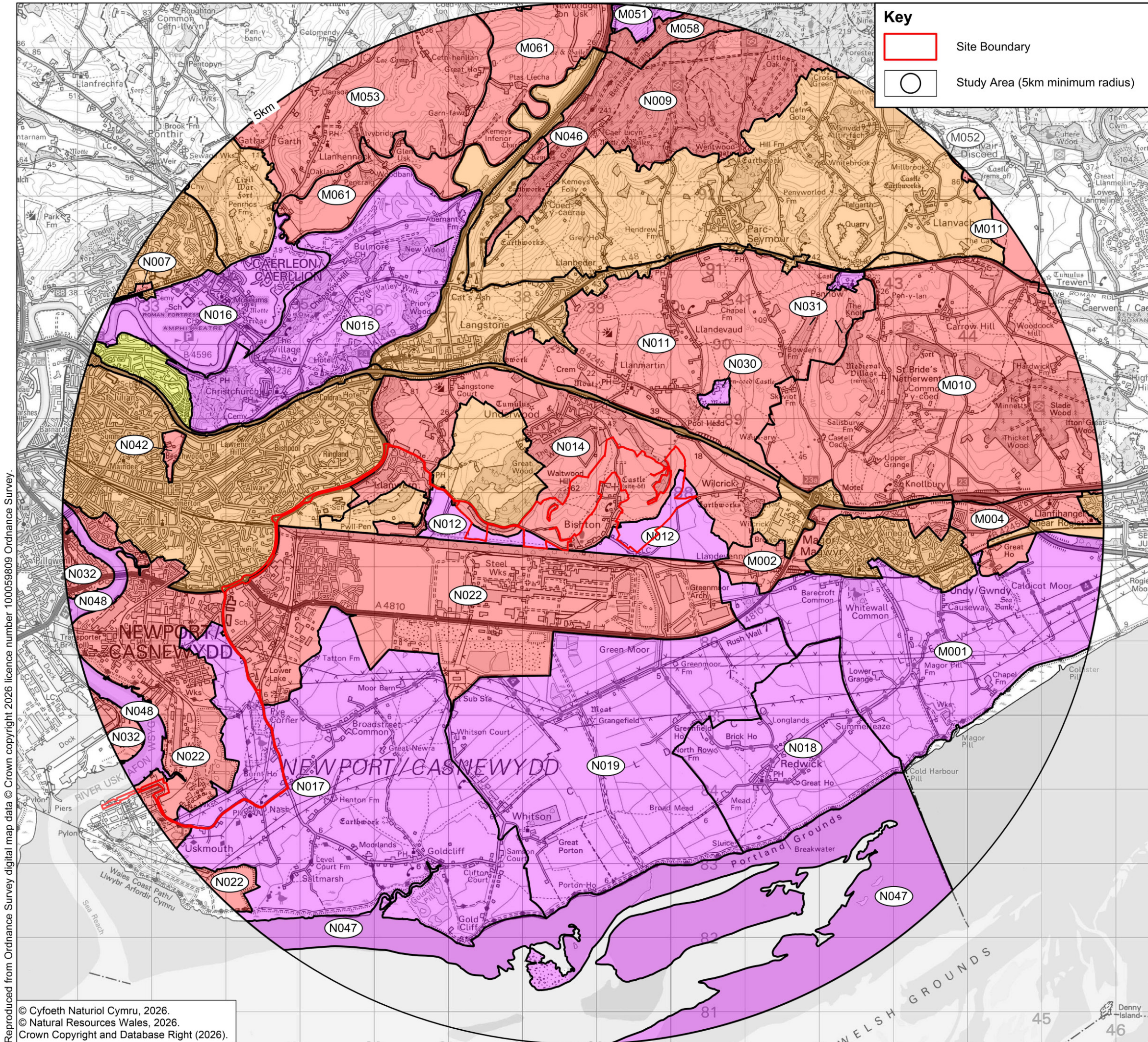
LANDMAP: Visual and Sensory
Figure 5.5A

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Key

Site Boundary

Study Area (5km minimum radius)

Historic Landscape Aspect Areas

Outstanding

High

Moderate

Low

Monmouthshire (MNMTHL)		
M001	Caldicot Level	Outstanding
M002	Magor and Fen Edge	High
M004	Rogiet Fen Edge	High
M010	St Brides Foothills	High
M011	Caerwent Basin	High
M051	Gaer-fawr. Escarpment and Hinterland	Outstanding
M052	Earlswood Common	High
M053	Tregrug - Llanhunog	High
M058	Wentwood Forest (surviving)	High
M080	Tredunnock	High
M061	Usk Valley	High

Newport (NWPRTL)		
N007	Park Farm	High
N009	Wentwood Forest	High
N011	Llandeud and Llanmartin foothills	High
N012	Oxleaze and Wilrick Moor	Outstanding
N014	Bishton and Wilrick	High
N015	Celtic Manor Golf Course	Outstanding
N016	Caerleon/Isca Silurum	Outstanding
N017	Nash/Goldcliff coastal zone	Outstanding
N018	Redwick	Outstanding
N019	Whitson	Outstanding
N022	East Usk and Llanwern Industrial	High
N030	Pencoed castle PGW (Gt) 3	Outstanding
N031	Penhow Castle	Outstanding
N032	Newport Docklands	High
N042	Beechwood Park	High
N046	Kemeys House	High
N047	Peterstone and the Portland Grounds	Outstanding
N048	River Usk	Outstanding

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Scale 1:50,000 @ A3

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1

3km

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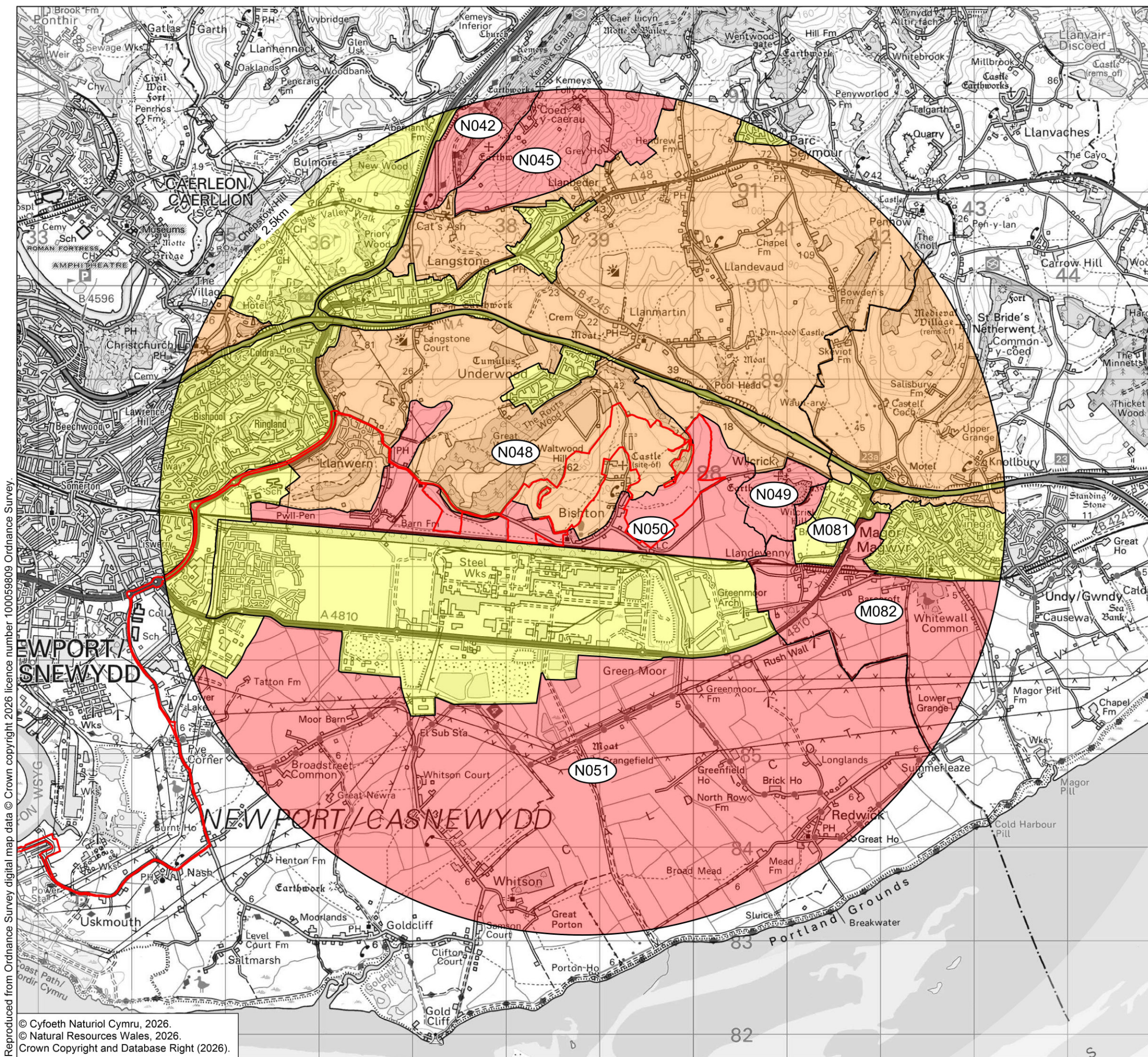
LANDMAP: Historic Landscape
Figure 5.5B

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Key

Site Boundary

2.5km minimum radius

Cultural Landscape Services Aspect Areas

Outstanding

High

Moderate

Low

Monmouthshire (MNMTHCLS)

M081	Western Coastal Grasslands	High
M082	Western Coastal Grasslands	High

Newport (NWPRTCLS)

N042	Kemeys Graig	High
N045	Wentwood Valley Slopes	High
N048	Llanwern Park	Moderate
N049	Wilcrick Hill	High
N050	Wilcrick Moor	High
N051	Caldicot Level	High

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Scale 1:40,000 @ A3

012km

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LANDMAP: Cultural Landscape Services
Figure 5.5C

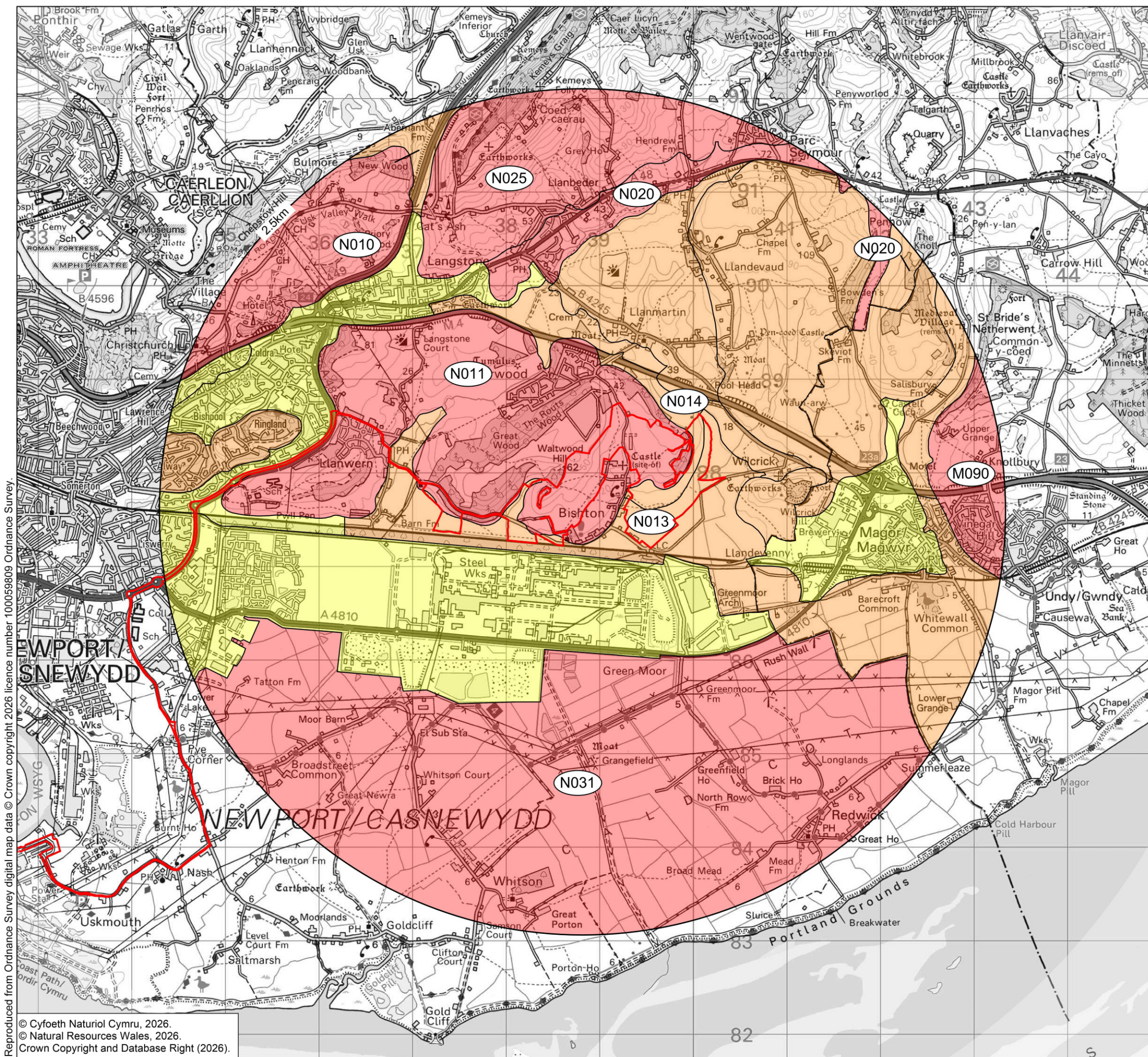
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Key

Site Boundary

2.5km minimum radius

Geological Landscape Aspect Areas

High

Moderate

Low

Monmouthshire (MNMTHGL)

M090	Five Lanes-Undy	High
------	-----------------	------

Newport (NWPRTGL)

N010	Christchurch	High
N011	Llanwern-Underwood	High
N013	Wilcrick Moor	Moderate
N014	Wilcrick	Moderate
N020	Penhow-Langstone	High
N025	Wentwood	High
N031	Caldicot Level - Goldcliff	High

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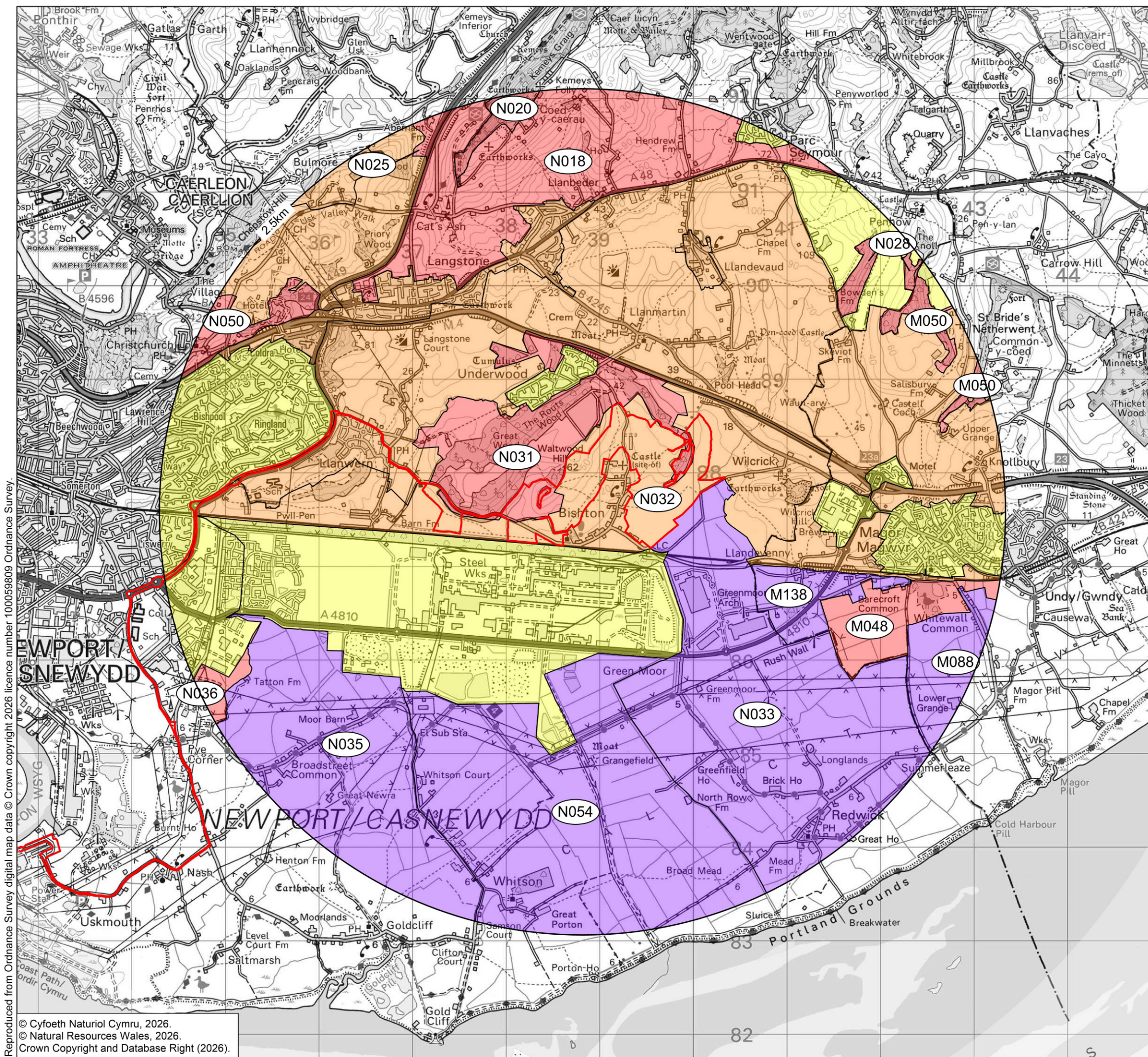
LANDMAP: Geological Landscape
Figure 5.5D

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Key

Site Boundary

2.5km minimum radius

Landscape Habitat Aspect Areas

Outstanding

High

Moderate

Low

Monmouthshire (MNMTHLH)

M048	Magor Marsh and surrounds	High
M050	Ifton Great Wood	High
M088	Magor, Undy & Caldicot Levels	Outstanding
M138	Levels at Llandeenny	Outstanding

Newport (NWPRTLH)

N018	Mosaic	High
N020	Mosaic	High
N025	Mosaic	High
N028	Broadleaved Woodland	High
N031	Mosaic	High
N032	Mosaic	Moderate
N033	Mosaic	Outstanding
N035	Mosaic	Outstanding
N036	Mosaic	High
N050	Mosaic	High
N054	Improved Grassland	Outstanding

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Scale 1:40,000 @ A3

012km

N

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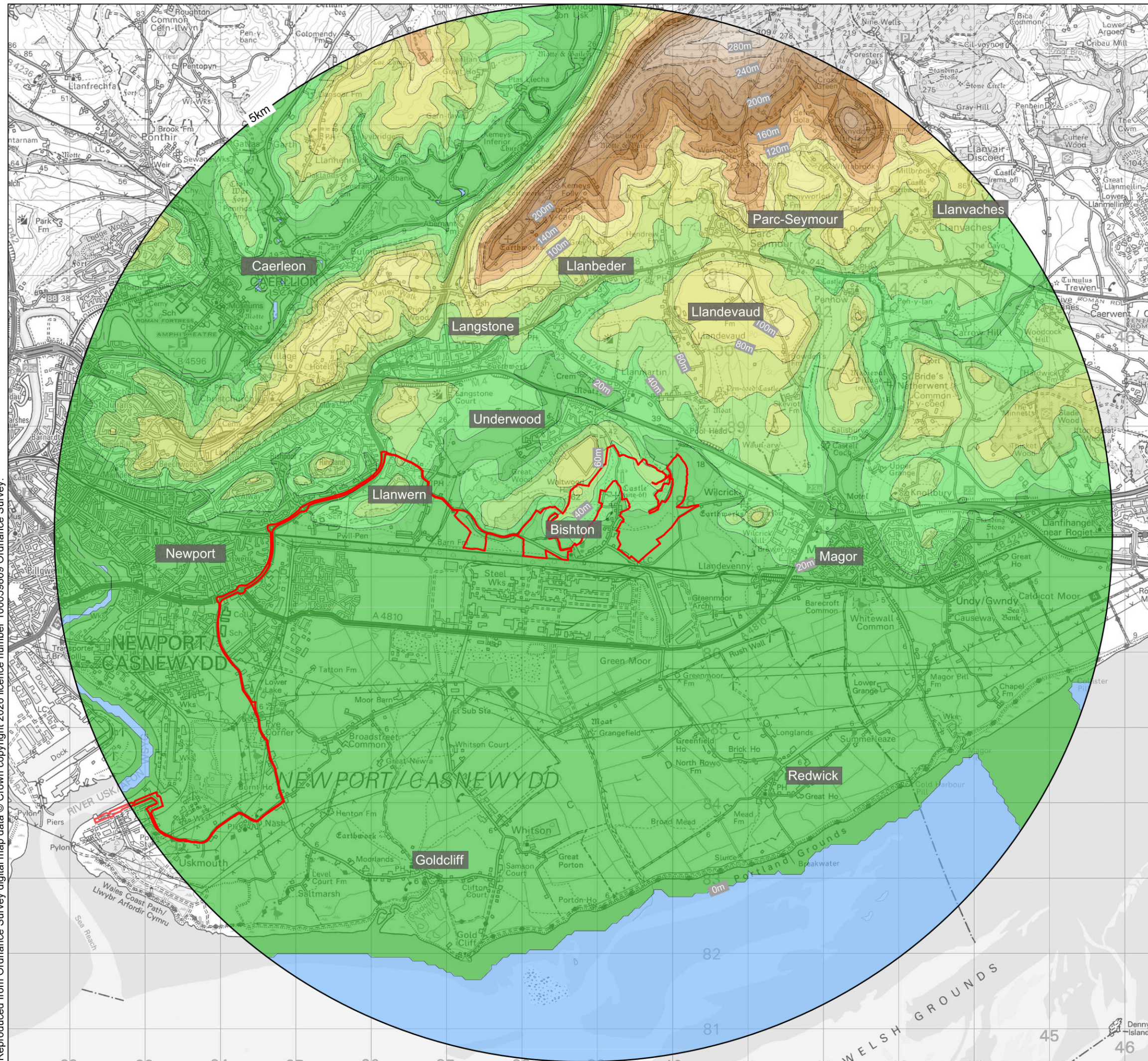
LANDMAP: Landscape Habitat
Figure 5.5E

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Key
 Site Boundary
 Study Area (5km minimum radius)

Topography (Height AOD)
 above 280m
 260 - 280m
 240 - 260m
 220 - 240m
 200 - 220m
 180 - 200m
 160 - 180m
 140 - 160m
 120 - 140m
 100 - 120m
 80 - 100m
 60 - 80m
 40 - 60m
 20 - 40m
 0 - 20m
 below 0m

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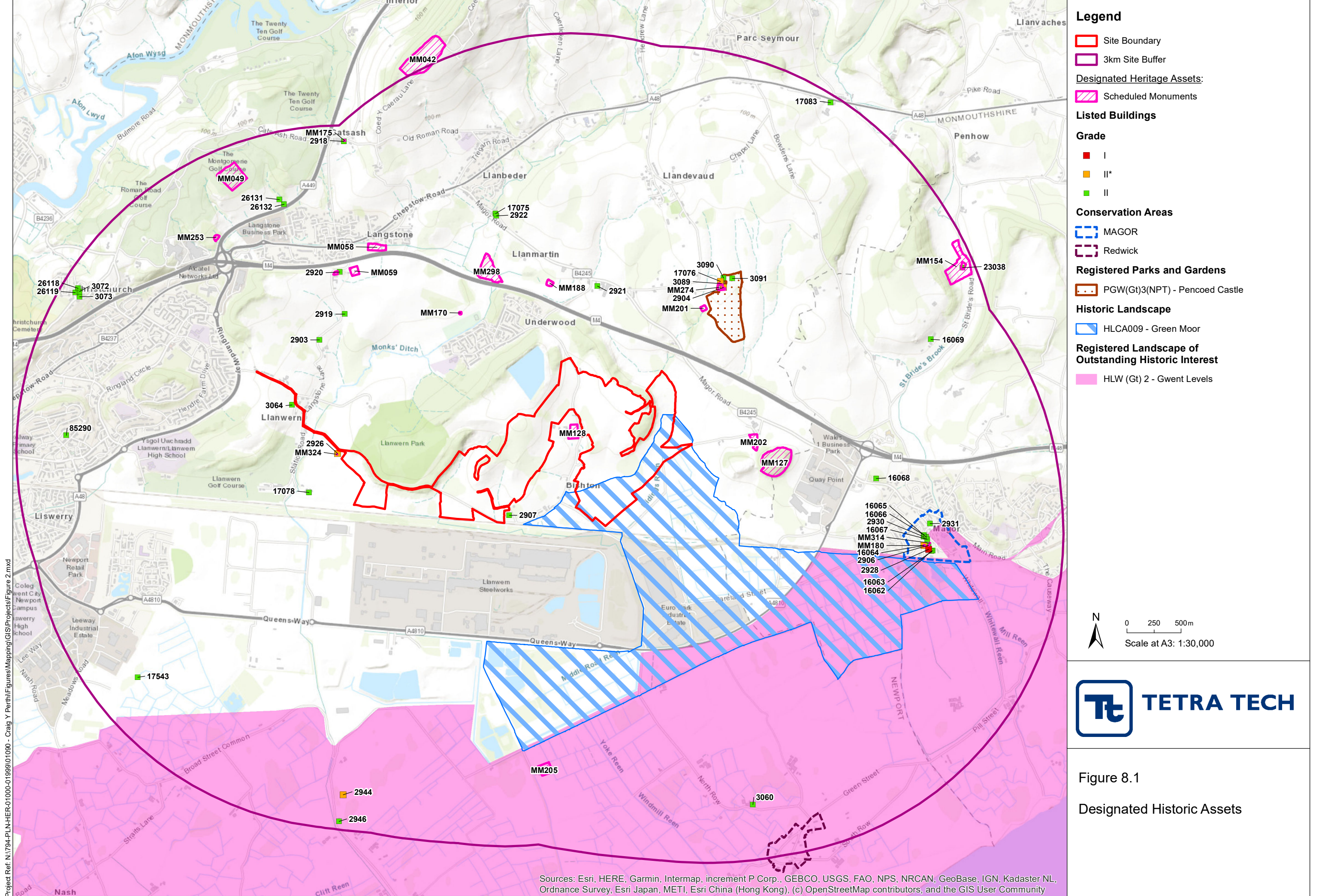
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Topography
Figure 5.6

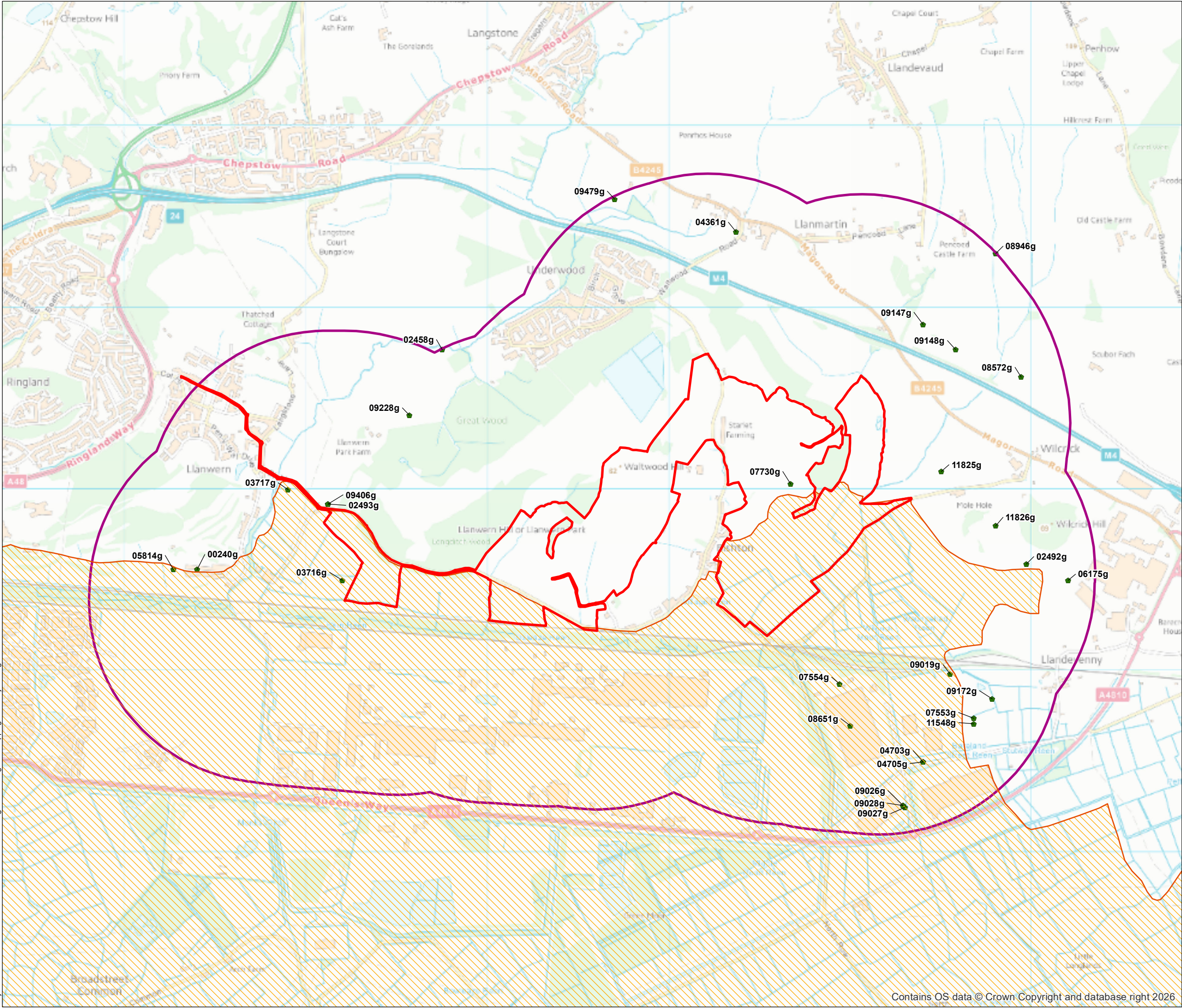
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Project Ref: N1794-PLN-HER-01000-0199901090 - Craig Y Perthol Figures/Mapping/GIS/Projects/figure 2.mxd



Legend

Site Boundary

1km search radius

Non-designated Heritage Assets:

HER Monuments

Archaeologically Sensitive Area



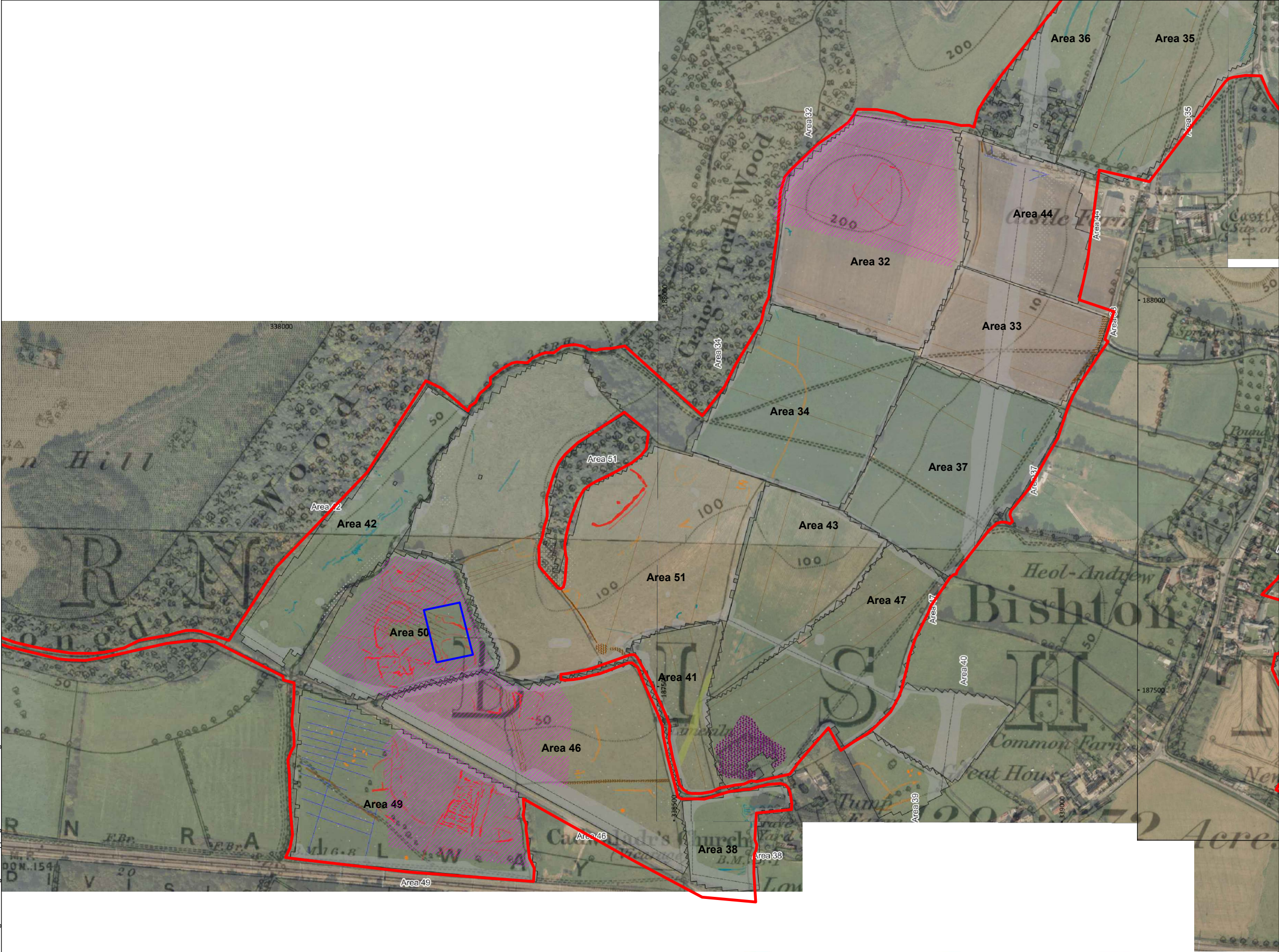
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TETRA TECH

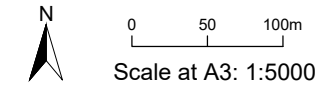
Figure 8.2

Non-Designated Historic Assets



Legend

- Site Boundary
- Proposed 'no-dig' areas
- Substation



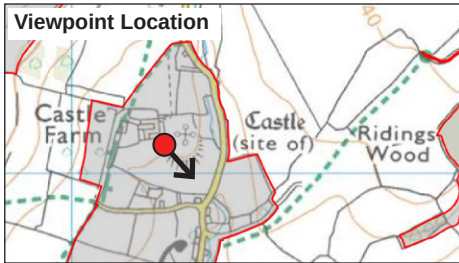
Proposed 'no-dig' areas Overlaid on Geophysical Survey

- | | | |
|-------------------------------|-------------------------|----------------------|
| Archaeology Probable (Strong) | Agricultural (Spread) | Quarry |
| Archaeology Probable (Weak) | Undetermined (Strong) | Agricultural (Trend) |
| Archaeology Possible (Strong) | Undetermined (Weak) | Service |
| Archaeology Possible (Weak) | Natural (Weak) | Drainage Feature |
| Agricultural (Strong) | Magnetic Disturbance | Ferrous (Spike) |
| Agricultural (Weak) | Ferrous/Debris (Spread) | |



Existing View

Figure H-1
View from “Castle” near Castle Farm

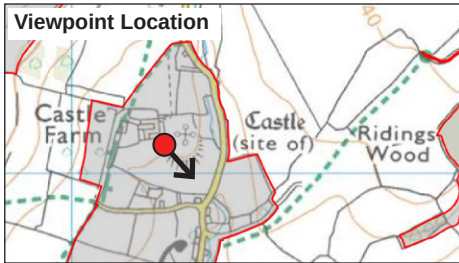


OS grid reference:	E 339210 N 188055	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D610	Date:	15/12/2022	Craig Y Perthi Solar Park, Bishton, Newport	
Viewpoint altitude:	29m	Paper size:	841 x 297mm	Lens:	Nikon AF-S Nikkor 50mm f/1.8g	Drawn by:	PS	 amalgam landscape	T. 01275 627077 E. info@amalgamlandscape.co.uk W. www.amalgamlandscape.co.uk
Direction of view:	South-east	Weather and lighting conditions:	Cloudy and Good	Camera height:	1.5m	Rev:			
Distance to boundary fenceline:	125m	View flat at comfortable arms length:		Date and time of photo:	04/10/2023 1:07pm	Enlargement:	100%		



Proposed View (Year 1)

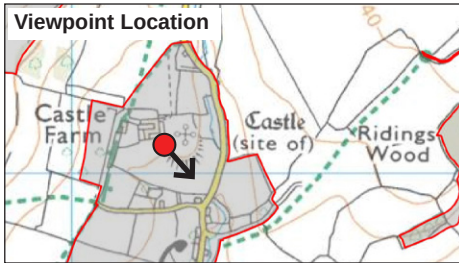
Figure H-2
View from “Castle” near Castle Farm



OS grid reference:	E 339210 N 188055	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D610	Date:	23/05/2023	Craig Y Perthi Solar Park, Bishton, Newport	
Viewpoint altitude:	29m	Paper size:	841 x 297mm	Lens:	Nikon AF-S Nikkor 50mm f/1.8g	Drawn by:	PS		T. 01275 627077
Direction of view:	South-east	Weather and lighting conditions:	Cloudy and Good	Camera height:	1.5m	Rev:	B		E. info@amalgamlandscape.co.uk
Distance to boundary fenceline:	125m	View flat at comfortable arms length:		Date and time of photo:	04/10/2023 1:07pm	Enlargement:	100%		W. www.amalgamlandscape.co.uk



Figure H-3
View from “Castle” near Castle Farm



OS grid reference:	E 339210 N 188055	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D610	Date:	23/05/2023	Craig Y Perthi Solar Park, Bishton, Newport	
Viewpoint altitude:	29m	Paper size:	841 x 297mm	Lens:	Nikon AF-S Nikkor 50mm f/1.8g	Drawn by:	PS		T. 01275 627077
Direction of view:	South-east	Weather and lighting conditions:	Cloudy and Good	Camera height:	1.5m	Rev:	B		E. info@amalgamlandscape.co.uk
Distance to boundary fenceline:	125m	View flat at comfortable arms length:		Date and time of photo:	04/10/2023 1:07pm	Enlargement:	100%		W. www.amalgamlandscape.co.uk