



Parc Ynni Calon y Gwynt

ENVIRONMENTAL STATEMENT

Appendix 7B: LANDMAP Filtering Process





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TYPE OF DOCUMENT (VERSION) PUBLIC

PROJECT NO. 62282400

OUR REF. NO. 62282400_APP7B_001

DATE: JULY 2026

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QUALITY CONTROL

Issue/revision	First issue	Revision 1	Revision 2	Revision 3
Remarks				
Date				
Prepared by	KMW			
Signature				
Checked by	Dani Reeves			
Signature				
Authorised by				
Signature				
Project number	62282400			
Report number	001			
File reference				

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1 INTRODUCTION

1.1 OVERVIEW

- 1.1.1. To ensure that the detailed assessment of landscape effects focuses on potentially sensitive LANDMAP Aspect Areas and those most likely to be affected as a consequence of the Proposed Development, a filtering approach has been applied to existing LANDMAP evidence as outlined in *Using LANDMAP in Landscape and Visual Impact Assessments GN46*¹.
- 1.1.2. The results of this filtering process are presented below for each of the five aspects. The final column of each table records the results of each stage of the filtering process, and the final row details the outcome of the applied filters and confirms those aspect areas which should be taken through to the detailed assessment of effects presented in **Appendices 7D to 7H** and summarised in **Chapter 7 Landscape and Visual** of the Draft Environmental Statement (ES).

¹ Natural Resources Wales. (2025). Using LANDMAP in Landscape and Visual Impact Assessments GN46. [online]. Available at: <https://naturalresourceswales.gov.uk/guidance-and-advice/business-sectors/planning-and-development/evidence-to-inform-development-planning/using-landmap-in-landscape-and-visual-impact-assessments-gn46/?lang=en> [Accessed March 2026]

2 GEOLOGICAL LANDSCAPE ASPECT AREAS (GLAAS)

2.1 GLAA RECEPTORS

2.1.1. The filtering process relating to the Geological Landscape Aspect is set out in **Table 7B-1**. GLAAs are illustrated in **Figure 7.8a**.

Table 7B-1 - Filtering process and record of results: GLAAs

Stage	Description	Record of results (Aspects IDs)
Filter 1	Identify all Geological Landscape aspect areas that overlap fully or partially or are adjacent to the development site boundary, these are most likely to undergo change.	Four GLAAs identified: ■ MNTGMGL392 Lanwnog; ■ MNTGMGL528 Caersws; ■ MNTGMGL760 Llyn Mawr; and ■ MNTGMGL918 Mynydd Waun Fawr-Cefn Gwyn.
Filter 2	Identify Geological Landscape aspect areas from filter 1 that record a special relationship with other aspect areas in the LANDMAP survey question 2. Include any extra aspect areas identified.	MNTGMGL392 Lanwnog is identified as having a special or functional link with the 'Tributary of the Dovey'.
Filter 3	If a Zone of Theoretical Visibility (ZTV) map is available, retain all filtered aspect areas that are visible with the development.	All GLAAs identified in filter 1 retained.
Filter 4a	Identify and retain filtered aspect areas from filters 1 to 3 that are evaluated as outstanding or high in Geological Landscape survey question 33, retaining all aspect areas in which the development is located.	All GLAAs identified in filter 1 retained.
Filter 4b	Identify and retain filtered aspect areas from filters 1 to 3 that are evaluated as outstanding or high in rarity/uniqueness survey question 31, retaining all aspect areas in which the development is located.	All GLAAs identified in filter 1 retained.
Outcome of all filters: four GLAAs retained (Aspect IDs and name)		
■ MNTGMGL392 Lanwnog; ■ MNTGMGL528 Caersws; ■ MNTGMGL760 Llyn Mawr; and ■ MNTGMGL918 Mynydd Waun Fawr-Cefn Gwyn		

3 LANDSCAPE HABITAT ASPECT AREAS (LHAAS)

3.1 LHAA RECEPTORS

3.1.1. The filtering process relating to the Landscape Habitats Aspect is set out in **Table 7B-2**. LHAAs are illustrated in **Figure 7.8b**.

Table 7B-2 - Filtering process and record of results: LHAAs

Stage	Description	Record of results (Aspects IDs)
Filter 1	Identify all Landscape Habitats aspect areas that overlap fully or partially or are adjacent to the development site boundary, these are most likely to undergo change.	Three LHAAs identified: ■ MNTGMLH028 (unnamed); ■ MNTGMLH052 (unnamed); and ■ MNTGMLH094 (unnamed).
Filter 2	If a Zone of Theoretical Visibility (ZTV) map is available, retain all filtered aspect areas that are visible with the development	All LHAAs identified in filter 1 retained.
Filter 3a	Identify and retain filtered aspect areas from filters 1 & 2 that are evaluated as outstanding or high in Landscape Habitats survey question 45, retaining all aspect areas in which the development is located.	All LHAAs identified in filter 1 retained.
Filter 3b	Identify and retain filtered aspect areas from filters 1 & 2 that are evaluated as outstanding or high in connectivity/cohesion survey question 42, retaining all aspect areas in which the development is located.	All LHAAs identified in filter 1 retained.
Outcome of all filters: three LHAAs retained (Aspect IDs and name)		
■ MNTGMLH028 (unnamed); ■ MNTGMLH052 (unnamed); and ■ MNTGMLH094 (unnamed).		

4 VISUAL & SENSORY ASPECT AREAS (VSAAS)

4.1 VSAA RECEPTORS

4.1.1. The filtering process relating to the Visual & Sensory Aspect is set out in **Table 7B-3**. VSAAAs are illustrated in **Figures 7.8c** and **7.8d**.

Table 7B-3 - Filtering process and record of results: VSAAAs

Stage	Description	Record of results (Aspects IDs)
Filter 1	Identify all LANDMAP Visual & Sensory aspect areas within the 27km LVIA Study Area.	152 VSAAAs identified.
Filter 2	If a Zone of Theoretical Visibility (ZTV) map is available, retain all filtered aspect areas that are visible with the development up to the limit of the study area.	123 VSAAAs retained.
Filter 3	Retain all aspect areas in which the development is located irrespective of their evaluation.	Four VSAAAs identified and retained: ■ MNTGMVS235 Carno Mosaic; ■ MNTGMVS694 Carno Uplands; ■ MNTGMVS733 Esgair Cwmowen Uplands; and ■ MNTGMVS865 Caersws River Bowl.
Filter 4a	Identify and retain filtered (filter 2) aspect areas that are evaluated as outstanding or high in Visual & Sensory overall evaluation (survey question 50) , retaining all aspect areas in which the development is located.	47 VSAAAs from filter 2 identified and retained.
Filter 4b	Identify and retain filtered (filter 2) aspect areas that are evaluated as outstanding or high in Visual & Sensory scenic quality (question 46) , retaining all aspect areas in which the development is located.	19 additional VSAAAs (from filter 2 and in addition to filter 4a) identified and retained.
Filter 4c	Identify and retain filtered aspect areas that are evaluated as moderate in Visual & Sensory overall evaluation (survey question 50) <u>and</u> evaluated as outstanding or high in character (question 48) if the overall evaluation is moderate, retaining all aspect areas in which the development is located.	11 additional VSAAAs (from filter 2 and in addition to filters 4a and 4b) identified and retained.
Filter 5	Also identify and retain filtered aspect areas that are evaluated as moderate or low in Visual & Sensory overall evaluation (survey question 50) and there is potential for a large magnitude of change and opportunities for restoration and enhancement.	No additional VSAAAs identified and retained.
Filter 6	Retain all filter 5 VSAAAs that are within the study area plus those aspect areas outside the study area that might contain highly sensitive visual receptors within the search area	No additional VSAAAs identified and retained.

Stage	Description	Record of results (Aspects IDs)
Filter 7	WSP assigned filter: Filtered VSAs within LVIA study area that have less than 20% of their area within the blade tip ZTV. Taking into account the limitations of the ZTV, only filter 4 VSAs with ZTV coverage of over 20% have been considered further in the assessment.	49 VSAs removed in total.
Filter 8	On the basis of the Viewpoint Assessment and threshold of likely significant effects, retain all filtered VSAs within 10km of the proposed turbines ² .	15 VSAs identified and retained.
Outcome of all filters: 15 VSA retained (Aspect IDs and name)		
■ MNTGMVS179 Trannon Moors; ■ MNTGMVS204 Llanidloes Farmland; ■ MNTGMVS211 Llandinam; ■ MNTGMVS212 Llandinam Hill and Scarp Mosaic; ■ MNTGMVS227 Cefn Carnedd Wooded Hillside; ■ MNTGMVS235 Carno Mosaic; ■ MNTGMVS254 Kerry Ridgeway; ■ MNTGMVS363 Newydd Fynyddog; ■ MNTGMVS457 Clywedog Upland Grazing; ■ MNTGMVS694 Carno Uplands; ■ MNTGMVS695 Trannon Uplands Bryn Crugog; ■ MNTGMVS733 Esgair Cwmowen Uplands; ■ MNTGMVS819 Castle Caereinion Farmlands; ■ MNTGMVS865 Caersws River Bowl; and ■ MNTGMVS899 Tregynon Rolling Hills.		

² The Viewpoint Analysis presented in **Appendix 7K** identified no significant visual effects beyond a distance of approximately 7 km. As a consequence, and using a precautionary approach, the landscape assessment has been re-scoped to include only those VSAs and HLAs which lie within or partially within a 10 km buffer of the proposed turbines.

5 HISTORIC LANDSCAPE ASPECT AREAS (HLAAS)

5.1 HLAA RECEPTORS

5.1.1. The filtering process relating to the Historic Landscape Aspect is set out in **Table 7B-4**. HLAAs are illustrated in **Figures 7.8e** and **7.8f**.

Table 7B-4 - Filtering process and record of results: VSAAAs

Stage	Description	Record of results (Aspects IDs)
Filter 1	Identify all Historic Landscape LANDMAP aspect areas within the 27km study area.	134 HLAAs identified.
Filter 2	If a Zone of Theoretical Visibility (ZTV) map is available, retain all filtered aspect areas that are visible with the development up to the limit of the study area.	111 HLAAs identified and retained.
Filter 3	Identify and retain all aspect areas in which the development is located irrespective of their evaluation.	Four HLAAs identified and retained: ■ MNTGMHL559 Allt Fawr; ■ MNTGMHL820 Penbedw; ■ MNTGMHL859 Ffridd Rhyd Ddu; and ■ MNTGMHL902 Caersws basin.
Filter 4	Identify and retain filtered aspect areas (from filter 2) that are evaluated as Outstanding or High in Historic Landscape overall evaluation (survey question 40)	67 HLAAs from filter 2 identified and retained.
Filter 5	Also identify and retain filtered aspect areas that are evaluated as moderate or low in Historic Landscape overall evaluation (survey question 40) and there is potential for a large magnitude of change and opportunities for restoration and interpretation.	No additional HLAAs from filter 2 identified and retained.
Filter 6	Retain all filter 5 HLAAs that are within the study area plus those aspect areas outside the study area that might contain highly sensitive visual receptors within the search area	No additional HLAAs from filter 2 identified and retained.
Filter 7	WSP assigned filter: Filtered HLAAs within LVIA study area that have less than 20% of their area within the blade tip ZTV. Taking into account the limitations of the ZTV, only filter 4 HLAAs with ZTV coverage of over 20% have been considered further in the assessment.	38 VSAAAs removed in total.
Filter 8	On the basis of the Viewpoint Assessment and threshold of likely significant effects, retain all filtered HLAAs within 10km of the proposed turbines ² .	13 VSAAAs identified and retained.
Outcome of all filters: 13 HLAAs retained (Aspect IDs and name)		
■ MNTGMHL352 Upper Banwy;		

Stage	Description	Record of results (Aspects IDs)
	■ MNTGMHL433 Middle Banwy / Upper Rhiw; ■ MNTGMHL559 Allt Fawr; ■ MNTGMHL649 Gregynog; ■ MNTGMHL704 Trannon Moor; ■ MNTGMHL719 Brooks; ■ MNTGMHL789 Mochdre; ■ MNTGMHL827 Caersws; ■ MNTGMHL820 Penbedw; ■ MNTGMHL859 Ffridd Rhyd Ddu; ■ MNTGMHL902 Caersws basin; ■ MNTGMHL952 Lower Clywedog / Upper Severn; and ■ MNTGMHL970 Gelli Hill.	

6 CULTURAL LANDSCAPE SERVICES ASPECT AREAS (CLSAAS)

6.1 CLSAA RECEPTORS

- 6.1.1. The filtering process relating to the Cultural Landscape Services Aspect is set out in **Table 7B-5**. CLSAAs are illustrated in **Figure 7.8g**.

Table 7B-5 - Filtering process and record of results: CLSAAs

Stage	Description	Record of results (Aspects IDs)
Filter 1	Identify all Cultural Landscape Services aspect areas that overlap fully or partially or are adjacent to the development site boundary , these are most likely to undergo change.	Four CLSAAs identified: ■ MNTGMCLS021 Carno Mosaic; ■ MNTGMCLS099 Carno Uplands; ■ MNTGMCLS108 Esgair Cwmowen Uplands; and ■ MNTGMCLS130 Caersws River Bowl.
Filter 2	If a Zone of Theoretical Visibility (ZTV) map is available, retain all filtered aspect areas that are visible with the development.	All CLSAA identified in filter 1 retained.
Filter 3a	Cultural Landscape Services does not include landscape evaluation information, retain all aspect areas identified from filter 1 or 2.	All CLSAA identified in filter 1 retained.
Filter 3b	WSP assigned filter: Adjacent CLAAs with more than 20% of their area within blade tip ZTV.	All CLSAA identified in filter 1 retained.
Outcome of all filters: four CLSAAs retained (Aspect IDs and name)		
■ MNTGMCLS021 Carno Mosaic; ■ MNTGMCLS099 Carno Uplands; ■ MNTGMCLS108 Esgair Cwmowen Uplands; and ■ MNTGMCLS130 Caersws River Bowl.		



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