



Pennant Walters

GLANLLYNFI GARTH WIND FARM

Draft Environmental Statement

Appendix 6B - LANDMAP Filtering Process



Contents

1.1	Overview	1
1.2	Geological Landscape	1
1.3	Landscape Habitats	2
1.4	Visual & Sensory	3
1.5	Historic Landscape	4
1.6	Cultural Landscape Services	6

Table 6B.1	Filtering process and record of results: Geological Landscape Aspect Areas	1
Table 6B.2	Filtering process and record of results: Landscape Habitats Aspect Areas	2
Table 6B.3	Filtering process and record of results: Visual & Sensory Aspect Areas	3
Table 6B.4	Filtering process and record of results: Historic Landscape Aspect Areas	4
Table 6B.5	Filtering process and record of results: Cultural Landscape Services Aspect Areas (CLSAA's)	6

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 filter approach is 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 6D to 6G** and summarised in **Chapter 6: Landscape and Visual** of the Environmental Statement (ES).

1.2 Geological Landscape

- 1.1.3 The filtering process relating to the Geological Landscape Aspect is set out in **Table 6B.1**. Geological Landscape Aspect Areas (GLAAs) are illustrated in **Figure 6.8a**.

Table 6B.1 Filtering process and record of results: Geological Landscape Aspect Areas

Stage	Description	Record of results
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.	Nine GLAAs identified: • CYNONGL027 - Upper Rhondda Fawr – W; • CYNONGL028 - Rhigos; • CYNONGL033 - U Ogwr Fawr Valley; • CYNONGL034 - U Garw Valley; • CYNONGL035 - U Llynfi valley; • CYNONGL038 - L Garw Valley; • CYNONGL039 - L Llynfi Valley; • NPTGL021 - Blaengwrath; and • NPTGL023 - Foel Fynyddau.
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.	No additional GLAAs identified.
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	All GLAAs identified in filter 1 retained.

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>

Stage	Description	Record of results
	Geological Landscape survey question 33 , retaining all aspect areas in which the development is located.	
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: Nine GLAAs retained (Aspect IDs)		
	• CYNONGL027 - Upper Rhondda Fawr – W • CYNONGL028 - Rhigos • CYNONGL033 - U Ogwr Fawr Valley • CYNONGL034 - U Garw Valley • CYNONGL035 - U Llynfi valley	• CYNONGL038 - L Garw Valley • CYNONGL039 - L Llynfi Valley • NPTGL021 - Blaengwrath • NPTGL023 -Foel Fynyddau

1.3 Landscape Habitats

- 1.1.4 The filtering process relating to the Landscape Habitats Aspect is set out in **Table 6B.2**. Landscape Habitats Aspect Areas (LHAAs) are illustrated in **Figure 6.8b**.

Table 6B.2 Filtering process and record of results: Landscape Habitats Aspect Areas

Stage	Description	Record of result
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	Ten LHAAs identified: • CYNONLH004 (unnamed); • CYNONLH005 (unnamed); • CYNONLH007 (unnamed); • CYNONLH012 (unnamed); • CYNONLH054 (unnamed); • CYNONLH057 (unnamed); • CYNONLH058 (unnamed); • NPTLH028 (unnamed); • NPTLH042 (unnamed); and • NPTLH098 (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 ,	All LHAAs identified in filter 1 retained.

Stage	Description	Record of result
	retaining all aspect areas in which the development is located.	
Outcome of all filters: Ten LHAAs are retained (Aspect IDs)		
	• CYNONLH004 (unnamed) • CYNONLH005 (unnamed) • CYNONLH007 (unnamed) • CYNONLH012 (unnamed) • CYNONLH054 (unnamed)	• CYNONLH057 (unnamed) • CYNONLH058 (unnamed) • NPTLH028 (unnamed) • NPTLH042 (unnamed) • NPTLH098 (unnamed)

1.4 Visual & Sensory

- 1.1.5 The filtering process relating to the Visual & Sensory Aspect is set out in **Table 6B.3**. Visual and Sensory Aspect Areas (VSAAs) are illustrated in **Figure 6.8c** and **6.8d**.

Table 6B.3 Filtering process and record of results: Visual & Sensory Aspect Areas

Stage	Description	Record of results
Filter 1	Identify all LANDMAP Visual & Sensory aspect areas within the 28 km study area.	373 VSAs 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.	265 VSAs retained
Filter 3	Identify and retain all aspect areas in which the development is located irrespective of their evaluation	Seven VSAs identified and retained: • CYNONVS001 Tower Colliery; • CYNONVS580 St Gwynno; • CYNONVS811 Garth Hill; • CYNONVS622 Mynydd Llangeinwyr; • CYNONVS813 Garw and Caerau Forest; • NPTVS547 Mynydd y Gelli; and • NPTVS962 Mynydd Nant y bar / Mynydd Blaenafan
Filter 4a	Identify and retain filtered 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.	91 VSAs from filter 2 identified and retained
Filter 4b	Identify and retain filtered aspect areas that are evaluated as outstanding or high in Visual & Sensory scenic quality (survey question 46) , retaining all aspect areas in which the development is located.	10 additional VSAs (from filter 2 and in addition to filter 4a) identified and retained

Stage	Description	Record of results
Filter 4c	Identify and retain filtered aspect areas that are evaluated as moderate in Visual & Sensory overall evaluation (survey question 50) and evaluated as outstanding or high in character (survey question 48) if the overall evaluation is moderate, retaining all aspect areas in which the development is located.	10 additional VSAs (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 VSAs identified.
Filter 6	Retain all filter 5 VSAs 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 VSAs identified.
Filter 7	WSP assigned filter: VSAs within LVIA study area that have less than 20% of their area within the blade tip ZTV.	42 VSAs removed in total.
Filter 8	On the basis of the Viewpoint Assessment and threshold of likely significant effects, retain all filtered VSAs within 10 km of the proposed turbines ² .	15 VSAs identified and retained
Outcome of all filters: 15 VSAs are retained (Aspect IDs)		
CYNONVS001 - Tower Colliery CYNONVS142 - Mynydd y Glyn CYNONVS436 - Mynydd Gaer CYNONVS473 - Mynydd Baedan CYNONVS496 - Mynydd Maes-teg CYNONVS580 - St Gwynno CYNONVS622 - Mynydd Llangeinwyr CYNONVS811 - Garth Hill CYNONVS813 - Garw and Caerau Forest NPTVS187 - Mynydd Dinas NPTVS422 - Neath valley sides NPTVS547 - Mynydd y Gelli NPTVS624 - Carn Caca NPTVS916 - Cwm Dyffryn NPTVS962 - Mynydd Nant y bar / Mynydd Blaenafan		

1.5 Historic Landscape

1.1.6 The filtering process relating to the Historic Landscape Aspect is set out in **Table 6B.4**. Historic Landscape Aspect Areas (HLAAs) are illustrated in **Figures 6.8e** and **6.8f**.

Table 6B.4 Filtering process and record of results: Historic Landscape Aspect Areas

Stage	Description	Record of results
Filter 1	Identify all Historic Landscape LANDMAP aspect areas within the 28 km study area.	375 HLAAs identified

² The Viewpoint Analysis presented in **Appendix 6K** identified no significant visual effects beyond a distance of 8.4 km. As a consequence, and using a precautionary approach, the landscape assessment has been re-scoped to include only those VSAs and HLAAs which lie within or partially within a 10 km buffer of the proposed turbines.

Stage	Description	Record of results
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.	262 HLAAAs retained
Filter 3	Identify and retain all aspect areas in which the development is located irrespective of their evaluation	Seven HLAAAs identified: • CYNONHL183 - Tower Colliery • CYNONHL215 - H05 Unenclosed Uplands • CYNONHL224 - H04 Mynydd Caerau and Garw Forest • CYNONHL581 - H03 Llynfi Valley Agricultural • CYNONHL687 - Rhondda Uplands • CYNONHL805 - Rhondda Fawr Enclosed Valley Side • NPTHL026 - Afan Wallia
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)	163 HLAAAs from filter 2 retained
Filter 5	WSP assigned filter: VSAAAs within LVIA study area that have less than 20% of their area within the blade tip ZTV	57 HLAAAs removed in total
Filter 6	On the basis of the Viewpoint Assessment and threshold of likely significant effects, retain all filtered HLAAAs within 10 km of the proposed turbines ² .	28 HLAAAs retained
Outcome of all filters: 28 HLAAAs retained (Aspect IDs)		
• CYNONHL114 - H07 Bryngarw • CYNONHL173 - H17 Bridgend Historic Core • CYNONHL183 - Tower Colliery • CYNONHL215 - H05 Unenclosed Uplands • CYNONHL224 - H04 Mynydd Caerau and Garw Forest • CYNONHL227 - H01 Llangynwyd • CYNONHL242 - H02 Maesteg • CYNONHL342 - H21 Cwrt Colman • CYNONHL346 - H06 Cwm Garw • CYNONHL581 - H03 Llynfi Valley Agricultural • CYNONHL582 - H09 Ogmore Valley Agricultural 1 • CYNONHL645 - H12 Mynydd y Gaer and Allt y Rhiw • CYNONHL687 - Rhondda Uplands • CYNONHL805 - Rhondda Fawr Enclosed Valley Side • CYNONHL817 - H13 St Brides Minor to Coychurch 1 • CYNONHL888 - Mynyddau Hugh a Maendy • CYNONHL891 - H20 Glanrhyd Hospital • CYNONHL924 - H14 Cefn Hirgoed and Hirwaun Common • CYNONHL973 - H19 Cornelly to Laleston 1 • CYNONHL988 - H31 Ogmore Valley Agricultural 2 • CYNONHL989 - H32 St Brides Minor to Coychurch 2 • NPTHL021 - Margam Mountain • NPTHL026 - Afan Wallia • NPTHL032 - Mynydd y Gaer • NPTHL045 - Upper Afan Valley • NPTHL055 - Cefn Morfud • NPTHL060 - Mynydd Penhydd and Foel Trawsant • NPTHL070 - Mynyddau Emroch and Bychan		

1.6 Cultural Landscape Services

- 1.1.7 The filtering process relating to the Cultural Landscape Services Aspect is set out in **Table 6B.5**. Cultural Landscape Services Aspect Areas (CLSAAAs) are illustrated in **Figure 6.8g**.

Table 6B.5 Filtering process and record of results: Cultural Landscape Services Aspect Areas (CLSAAAs)

Stage	Description	Record of results
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.	Eight CLSAAAs identified: • CYNONCLS001 Tower Colliery; • CYNONCLS053 Hirwaun Common; • CYNONCLS068 St Gwynno; • CYNONCLS073 Mynydd Llangeinwyr; • CYNONCLS099 Garth Hill; • CYNONCLS100 Garw and Caerau Forest; • NPTCLS059 Mynydd y Gelli; and • NPTCLS122 Mynydd Nant y bar / Mynydd Blaenafan.
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 3	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 4	<u>WSP assigned filter:</u> Adjacent CLAAAs with more than 20% of their area within blade tip ZTV.	All CLSAA identified in filter 1 retained.
Outcome of all filters: Eight CLSAAAs retained (Aspect IDs)		
• CYNONCLS001 - Tower Colliery • CYNONCLS053 - Hirwaun Common • CYNONCLS068 - St Gwynno • CYNONCLS073 - Mynydd Llangeinwyr • CYNONCLS099 - Garth Hill • CYNONCLS100 - Garw and Caerau Forest • NPTCLS059 - Mynydd y Gelli • NPTCLS122 - Mynydd Nant y bar / Mynydd Blaenafan		