



Pennant Walters Ltd

Trecelyn Wind Farm

Draft Environmental Statement

Appendix 6D LANDMAP Geological Landscapes Aspect
Areas: Assessment of effects



November 2023

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Appendix 6D

LANDMAP Geological Landscapes Aspect Areas: Assessment of effects

1.1 Introduction

1.1.1 The filtering process described in **Appendix 6B** identified two Geological Landscapes Aspect Areas (GLAA) that should be carried through to the assessment of effects as follows:

- CYNONGL001; and
- CYNONGL002.

1.1.2 The landscape sensitivity of the GLAAs to the Proposed Development is presented in **Appendix 6C** in accordance with the methodology set out in **Appendix 6A. Table 6D.1** assesses the magnitude of change which is likely to arise as a consequence of the Proposed Development before determining the level and type of effect and its significance. GLAAs are illustrated in **Figure 6.10a**.

Table Error! No text of specified style in document.D.1 Assessment of effect: GLAAs

Receptor	Overall landscape sensitivity*	Magnitude of Change	Level of effect	Rationale
CYNONGL001 Upper Ebbw valley	Medium	Low to Zero	Moderate/ Minor and Not Significant to None	<p>This is a medium to large scale GLAA. The bulk of the GLAA is located to the northwest, west and south with the majority of the Proposed Development located in the eastern part on the boundary with CYNONGL002. The ZTVs demonstrate that the Proposed Development would be visible across a large part of the eastern, central and western GLAA, with theoretical visibility becoming more fragmented and intermittent within more enclosed parts of the GLAA to the north and south.</p> <p>With reference to Figure 6.7, there are no operational wind turbines within this GLAA, however, a large-scale overhead electricity transmission line is an existing feature of the GLAA as is the communications mast on Mynydd Llwyd with mineral extraction also a prominent historic land use including quarries, a mine shaft and a waste tip. The Proposed Development would result in new direct effects within the eastern part of the GLAA and indirect effects across the remainder of the GLAA, most notably in the centre and to the west. The direct effects resulting from the Proposed Development would be minimal given the limited scope for excavations to impact upon geology.</p> <p>Based on these considerations the magnitude of change would range from Low to Zero.</p>
CYNONGL002 Nant Gwyddon	Medium	Very Low to Zero	Minor and Not Significant to None	<p>This is a medium to large scale GLAA, the majority of which is located to the east and south of the Proposed Development. A very small portion of the Proposed Development, comprising the access track for T2, is located within the GLAA. The majority of the Proposed Development is located within CYNONGL001, lying west of this GLAA. The ZTVs demonstrate that the Proposed Development would be visible across most of the GLAA, with theoretical visibility becoming more restrictive within the enclosed valley of the Nant Gwyddon in the centre of the GLAA.</p>

With reference to **Figure 6.7**, there are no operational wind turbines within this GLAA, however, a large-scale overhead electricity transmission line is an existing feature. The Proposed Development would result in localised new direct effects within a small part of the western GLAA and indirect effects across the remainder of the GLAA, most notably across more elevated land. The direct effects resulting from the proposed turbines upon this GLAA would be very limited given the minor proportion of the Proposed Development that would be located within the aspect area and the subsequent limited scope for excavations to impact upon geology.

Based on these considerations the magnitude of change would range from Very Low to Zero.

*As set out in **Appendix 6C**.



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