



# Killean Wind Farm

## Technical Appendix 5.3

### Preliminary Assessment of LCTs & Designations

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**Author** Pegasus Group

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# 1 Preliminary Assessment of LCTs and Designations

## 1.1 Introduction

- 1.1.1 This appendix provides a preliminary assessment of the Landscape Character Types (LCTs) within the detailed 20 km LVIA Study Area.
- 1.1.2 The Proposed Development is predominantly located within LCT 6 Upland Forest Moor Mosaic and a small portion of the associated infrastructure extends through LCT 20 Rocky Mosaic, as defined in the Argyll and Bute Landscape Wind Energy Capacity Study<sup>i</sup> (ABLWECS).
- 1.1.3 Other LCTs within 35 km of the Proposed Development are illustrated in **Figure 5.12**, and those located within the 20 km detailed study area are illustrated at **Figure 5.13** and overlaid with the blade tip ZTV at **Figure 5.14**.

## 1.2 Preliminary Assessment of LCTs

- 1.2.1 An initial filtering exercise has been undertaken to determine which LCTs would have the potential for significant effects to arise and would therefore require detailed consideration in the LVIA. The intention has been to ensure that the level of attention given to each character type is proportionate to the likelihood of significant effects arising. The discussion below summarises the process followed in deciding which character types have the potential to experience significant effects and hence to scope out various character types from further consideration.
- 1.2.2 With reference to **Figure 5.12**, illustrating the character types within 35 km there are certain character types from which there would be no or very limited visibility of the Proposed Development. Furthermore, with increased distance from the Proposed Development the potential for indirect and significant effects to occur is reduced. On that basis, all LCTs which are located between 20 km and 35 km have been scoped out of any further assessment, as it is considered that there would be no potential for significant effects to arise at this distance.
- 1.2.3 Therefore, **Table 5.3.1** below lists all LCTs within the 20 km detailed LVIA Study Area and considers whether the potential effects upon the

landscape character type should be assessed in more detail within the LVIA.

**Table 5.3.1: Preliminary Assessment of LCTs**

Landscape Character Type	Location Relative to the Proposed Development	Comments	Detailed Assessment Required
<b>Argyll and Bute Landscape Character Types</b>			
LCT 3 Hidden Glens	5 km to the east	No theoretical visibility experienced within 20 km of the Proposed Development	No
LCT 6 Upland Forest Moor Mosaic	Proposed Development is primarily located in this area	Potential for direct and indirect significant effects as the proposed Development and most of the associated infrastructure is located within this LCT.	Yes
LCT 6b Knapdale Upland Forest Moor Mosaic	16.3 km to the north	Patchy ZTV coverage within the LCT at distances in excess of 15 km. Any effects on the character of available views would be very limited and would not be significant.	No
LCT 14 Bay Farmland	17.3 km to the south south west	No theoretical visibility experienced within 20 km of the Proposed Development	No
LCT 19 Coastal Plain	The turning head to the access track is located in this area	Theoretical visibility of up to all nine turbines from close range. Potential for indirect significant effects.	Yes
LCT 20 Rocky Mosaic	Part of the access track is located in this area	Limited theoretical visibility from the LCT but where visible effects have potential to be significant due to the proximity to the Proposed Development.	Yes
LCT 21 Low Coastal Hills	17.4 km to the south	No theoretical visibility experienced within 20 km of the Proposed Development.	No
LCT 22 Coastal Parallel Ridges	7 km to the west	Theoretical visibility of up to all nine turbines within 10 km of proposed Development. Potential for indirect significant effects.	Yes
LCT 26 Inland Machair & Moss	18.3 km to the south south west	No theoretical visibility experienced within 20 km of the Proposed Development	No

Landscape Character Type	Location Relative to the Proposed Development	Comments	Detailed Assessment Required
<b>North Ayrshire Landscape Character Types</b>			
LCT 1b Arran Raised Beach Coast	13.4 km to the east	Extensive theoretical visibility from the LCT within the detailed 20 km LVIA study area, from west facing shores. Potential for indirect significant effects.	Yes
LCT 21a Arran Rugged Granitic Uplands	14 km to the east	Theoretical visibility from the LCT within the detailed 20 km LVIA study area, limited to west facing slopes. Potential for indirect significant effects within a small area at the western edge of the LCT.	Yes

**Table 5.3.2: Preliminary Assessment of Designated Sites**

Designation	Location Relative to the Proposed Development	Comments	Detailed Assessment Required
<b>National Scenic Areas</b>			
North Arran National Scenic Area	11.7 km to the east	Some theoretical visibility from west facing slopes and shores near Pirnmill.	Yes
<b>Local Landscape Areas</b>			
West Kintyre (Coast) LLA	1.7 km to the west	Patchy theoretical visibility from the majority of the LLA, but greater visibility within close proximity to the Proposed Development. Potential for significant effects.	Yes
East Kintyre (Coast) LLA	9.1 km to the south-east	Practically no theoretical visibility. No potential for significant effects.	No
Knapdale / Melfort LLA	12.4 km to the north	Patchy ZTV coverage at distances in excess of 15 km. Any effects on the character of available views would be very limited and would not be significant.	No

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<sup>i</sup> Argyll and Bute (2017). Argyll and Bute Landscape Wind Energy Capacity Study. Available at: <https://www.argyll-bute.gov.uk/planning-and-building/planning-policy/landscape-wind-energy-capacity-study>