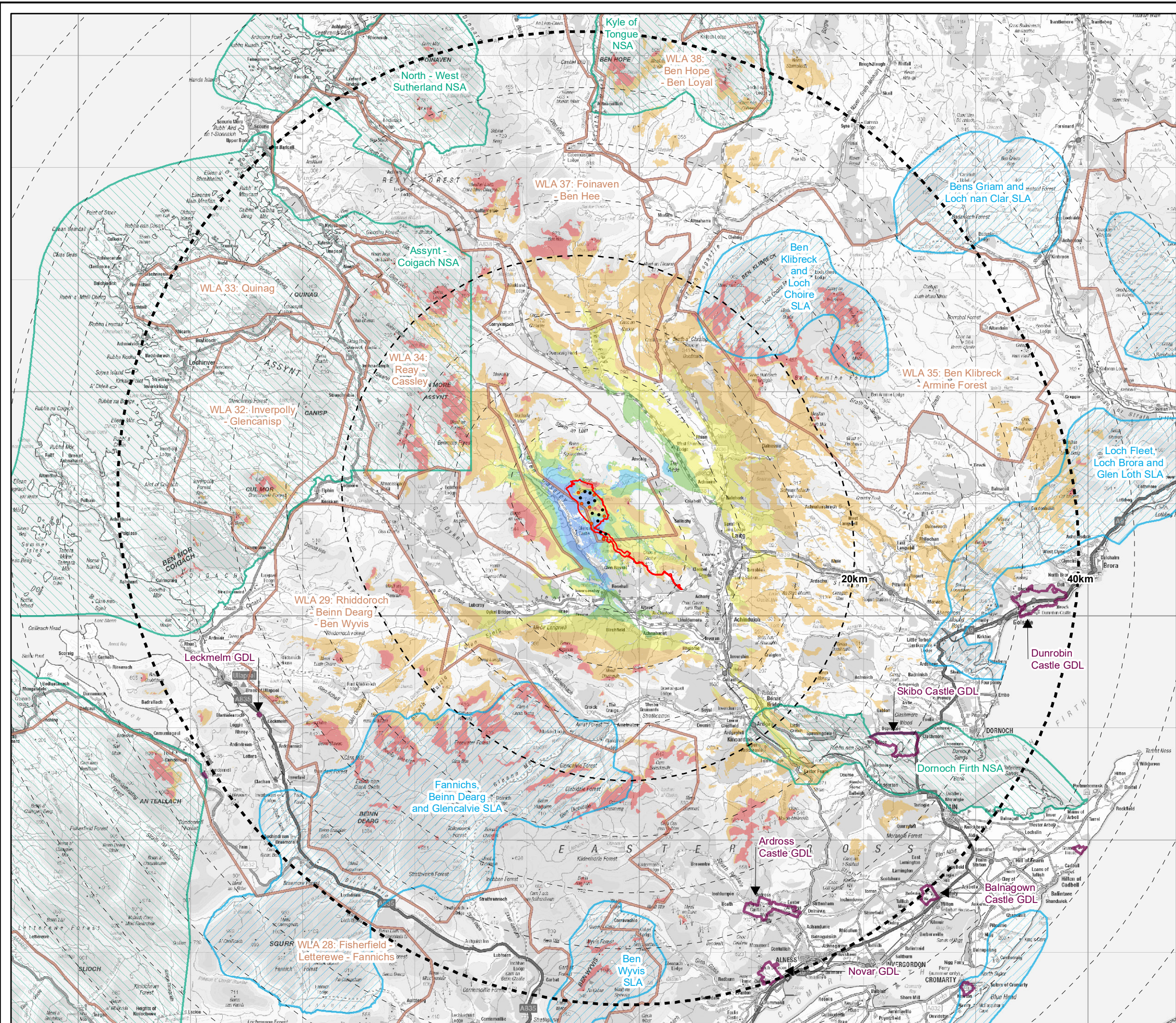




Key

- Red Line Boundary
- Proposed Varied Development Turbine
- Proposed Turbine to be Fitted with Visible Aviation Lighting
- 40km Wider Study Area
- 20km Detailed Study Area
- 5 km Distance Radii
- Designated and Protected Landscapes
 - National Scenic Area (NSA)
 - Wild Land Area (WLA)
 - Special Landscape Area (SLA)
 - Site Included on the Inventory of Gardens and Designed Landscapes (GDL)

Lighting Intensity ZTV

Vertical Angle of Lighting from hub (132m)	Turbine Lighting Intensity 2800cd light	Turbine Lighting Intensity 230 cd light
3 degrees to 0 degrees	2200/2500cd	220/250cd
0 degrees to -1 degrees	2200/980cd	220/98cd
-1 degrees to -2 degrees	980/420cd	98/42cd
-2 degrees to -3 degrees	420/220cd	42/22cd
-3 degrees to -4 degrees	220/170cd	22/17cd
Below -4 degrees	Below 170cd	Below 17cd

Note:
Perception of theoretical candela intensity does not take account of distance.
No landform within study area exists at greater than +3 degrees vertical line of sight from the turbine lighting.

Scale 1:325,000@ A3

0 5 10 15 Km

N

Figure A5.11-4
Visible Aviation Lighting: Designated and Protected Landscapes with Theoretical Intensity ZTV

Achany Extension Wind Farm
Section 36C: EIA Report