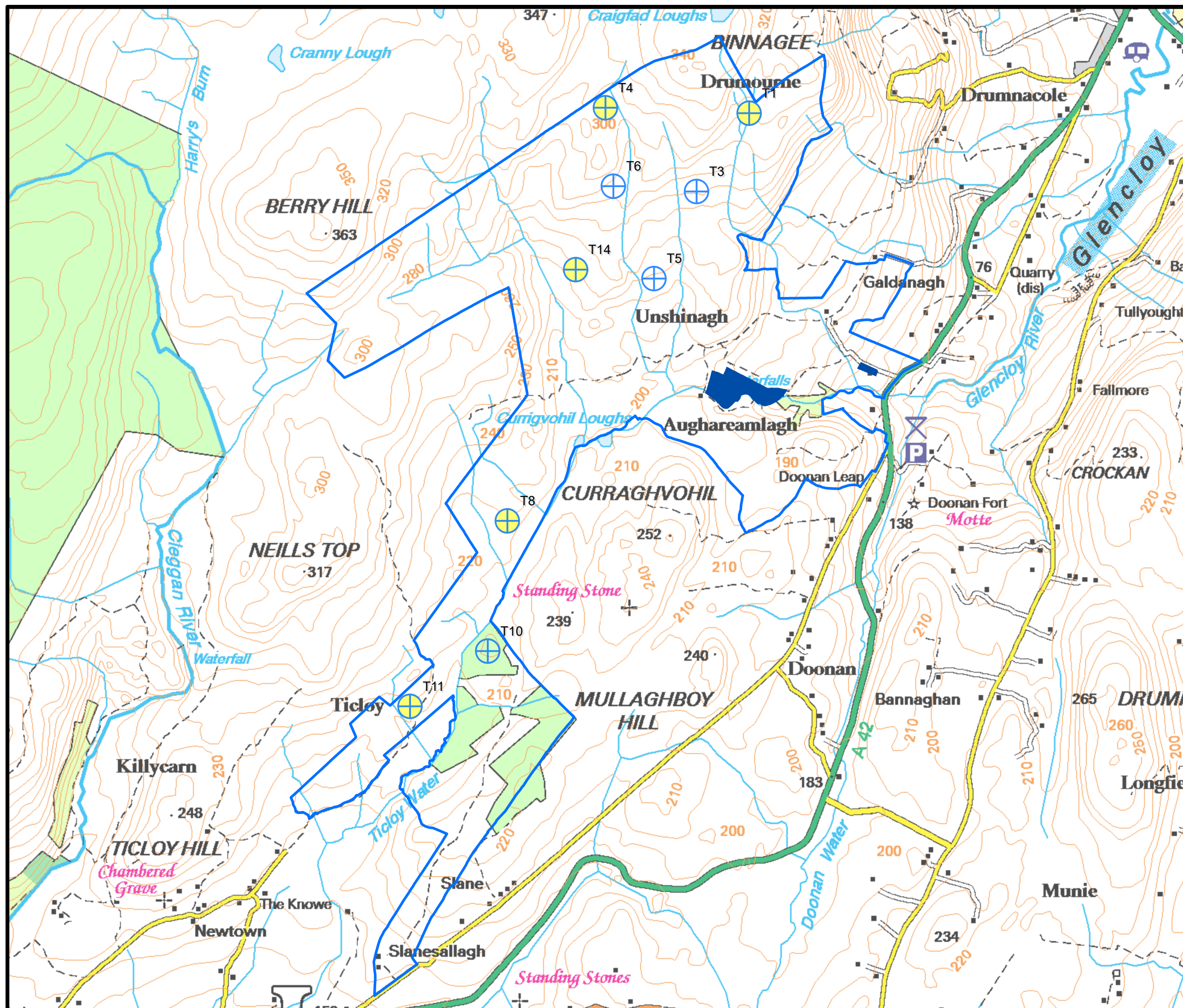


3

Updated Lighting
Scheme



UNSHINAGH

APPENDIX 2.2

UNSHINAGH AVIATION LIGHTING SCHEME

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- Turbines
- Lit Turbines
- Land Under Applicant's Control
- Areas Not Under Applicant's Control

Discussions to date with the CAA have indicated that it will not be necessary to illuminate all turbines.

To maintain air safety in the area, it is suggested that it will be sufficient to install aviation lights on 5 of the 9 turbines.

Turbines T1, T4, T8, T11 and T14 are shown as lit in this figure.



LAYOUT DWG: N/A T-LAYOUT NO: PNIRuns034

DRAWING NUMBER
04291-RES-LAY-DR-TE-034

SCALE - 1:21,000 @ A3

**ENVIRONMENTAL STATEMENT &
PLANNING APPLICATION 2026**

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**Communications, Strategy and Policy Group
Windfarm Policy**



Sam Johnson
Senior Aviation Manager
RES Group
Beaufort Court, Egg Farm Lane
Kings Langley
WD4 8LR

20 April 2026
Ref Windfarms / Unshinagh

Dear Sam,

Proposed Obstacle Lighting Scheme for Unshinagh Wind Farm

Reference: Proposed Unshinagh Wind Farm and obstacle lighting e-mail dated 18 March 2026

1. Thank you for the proposed revised lighting scheme at reference. The report discusses the proposed obstacle lighting variation plan for the Unshinagh Wind Farm, located approximately 5 km WSW of Glenarm, Co Antrim, Northern Ireland.
2. The proposed Unshinagh Wind Farm consists of nine turbines, in two clusters, with maximum blade tip heights of 180 m above ground level. This brings the turbines within scope of the Air Navigation Order (ANO) Article 222 obstacle lighting requirements.
3. We have considered the report carefully and take note of the intent to address concerns relating to adverse visual impacts of aviation lighting on non-aviation receptors while ensuring that the lighting installed on the turbines meets air safety requirements.
4. We note that some mitigation is proposed to be provided by the provision of infra-red lighting for those operators who carry Night Vision Device capability.
5. Under provisions given in the Air Navigation Order (ANO) Article 222 section 6, the CAA provides for the following variation:
 - medium intensity steady red (2000 candela) lights on the nacelles of turbines T01, T04, T08, T11 and T14;
 - a second 2000 candela light on the nacelles of the above turbines to act as alternates in the event of a failure of the main light (note that both lights should not be lit at the same time);
 - the lights on these turbines to be capable of being dimmed to 10% of peak intensity when the lowest visibility as measured at suitable points around the wind farm by visibility measuring devices exceeds 5 km;

Civil Aviation Authority

2E Aviation House Beehive Ring Road Crawley West Sussex RH6 0YR www.caa.co.uk
Telephone 0330 138 3166 andy.wells@caa.co.uk

- a scheme of infra-red lights to MoD specification to be agreed with MoD (note that dimming permission is applicable only to visible lights, not infra-red lighting).

6. Intermediate level 32 candela lights are not required to be fitted on the turbine towers.

7. If the proposed design of the wind farm changes (other than variations due to micro-siting etc.) this is likely to require a revision to this aviation obstacle lighting variation.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'AWells', written in a cursive style.

Andy Wells
Manager Aviation and Wind Turbine Policy