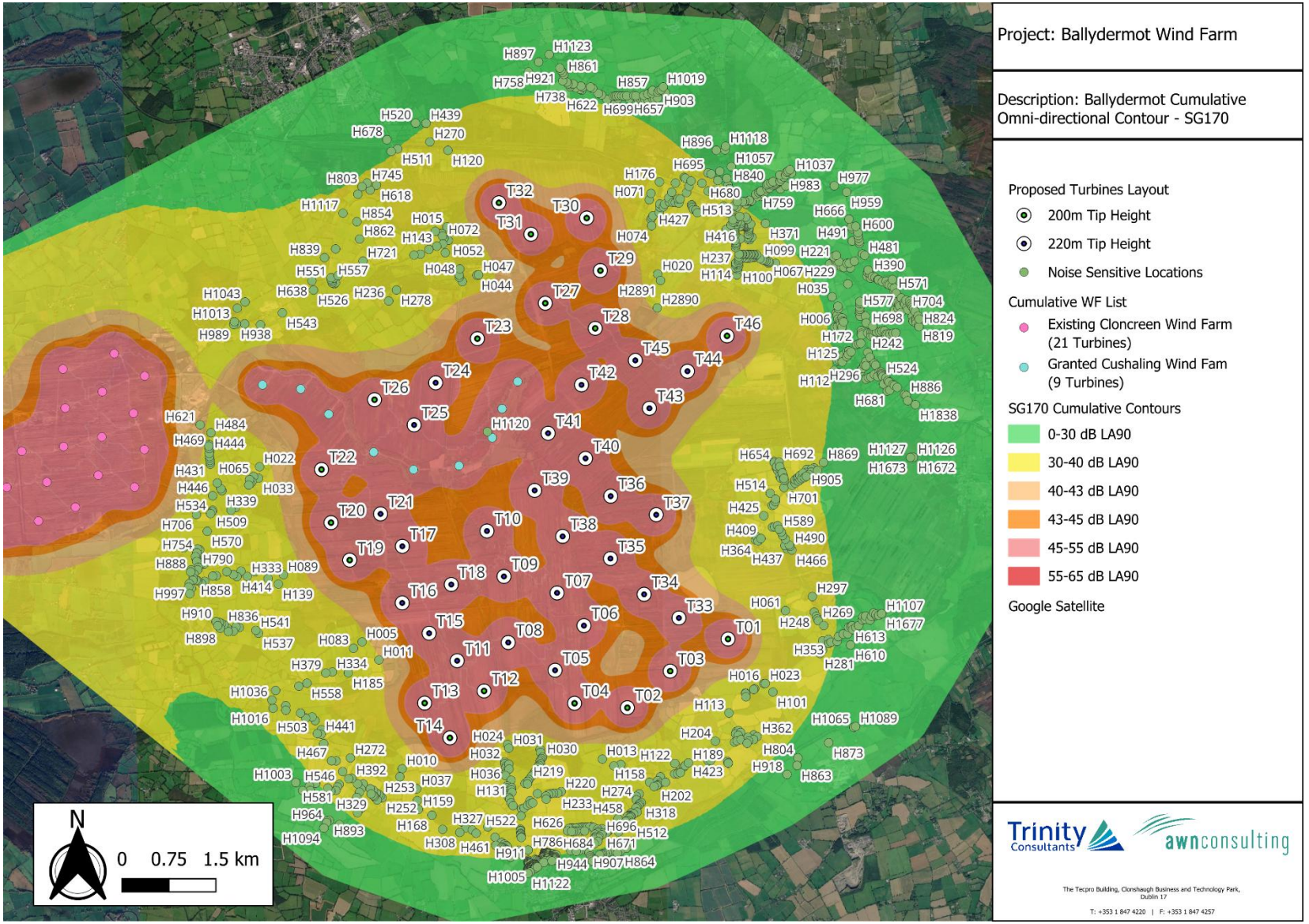
APPENDIX 12-4

PREDICTED NOISE CONTOURS

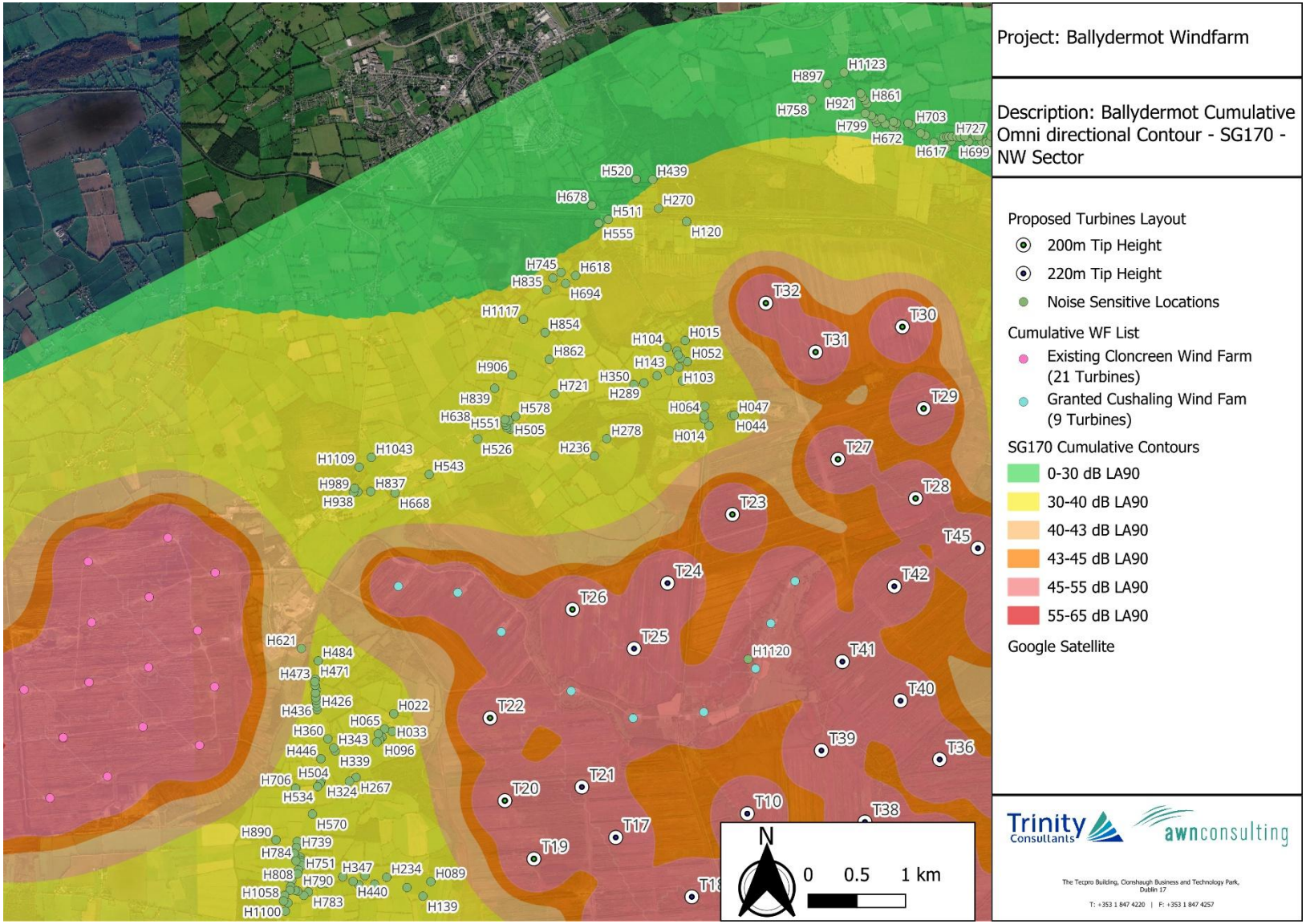
APPENDIX 12-4 NOISE CONTOURS

Figure 12.4.1 to Figure 12.4.10 below show the predicted omni directional contour maps for the SG170 wind turbines assessed in two scenarios: Cumulative wind turbine noise, and wind turbine noise from the Proposed Turbines in isolation.

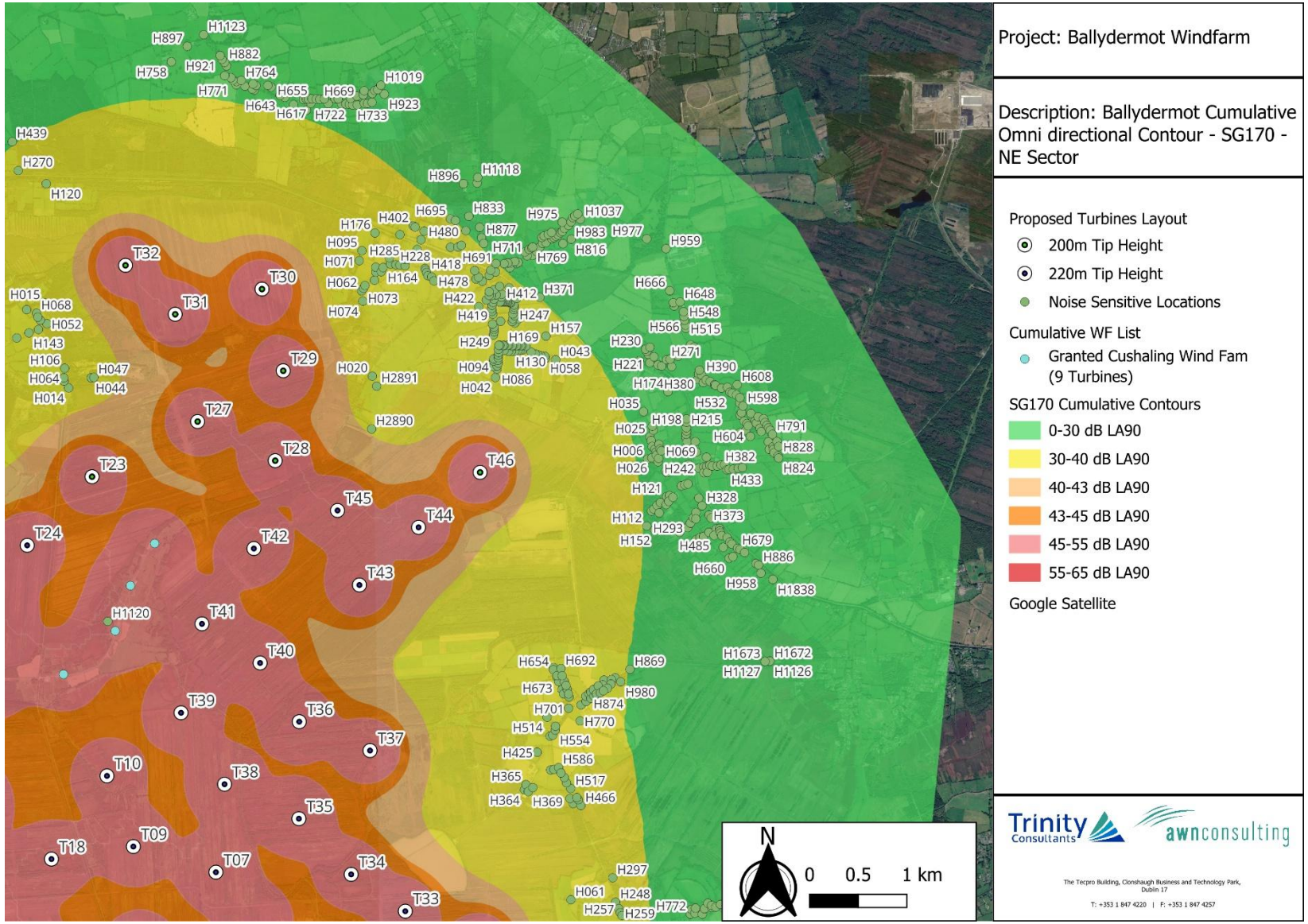
A12-4 1 Ballydermot Overall Cumulative Contour – SG170



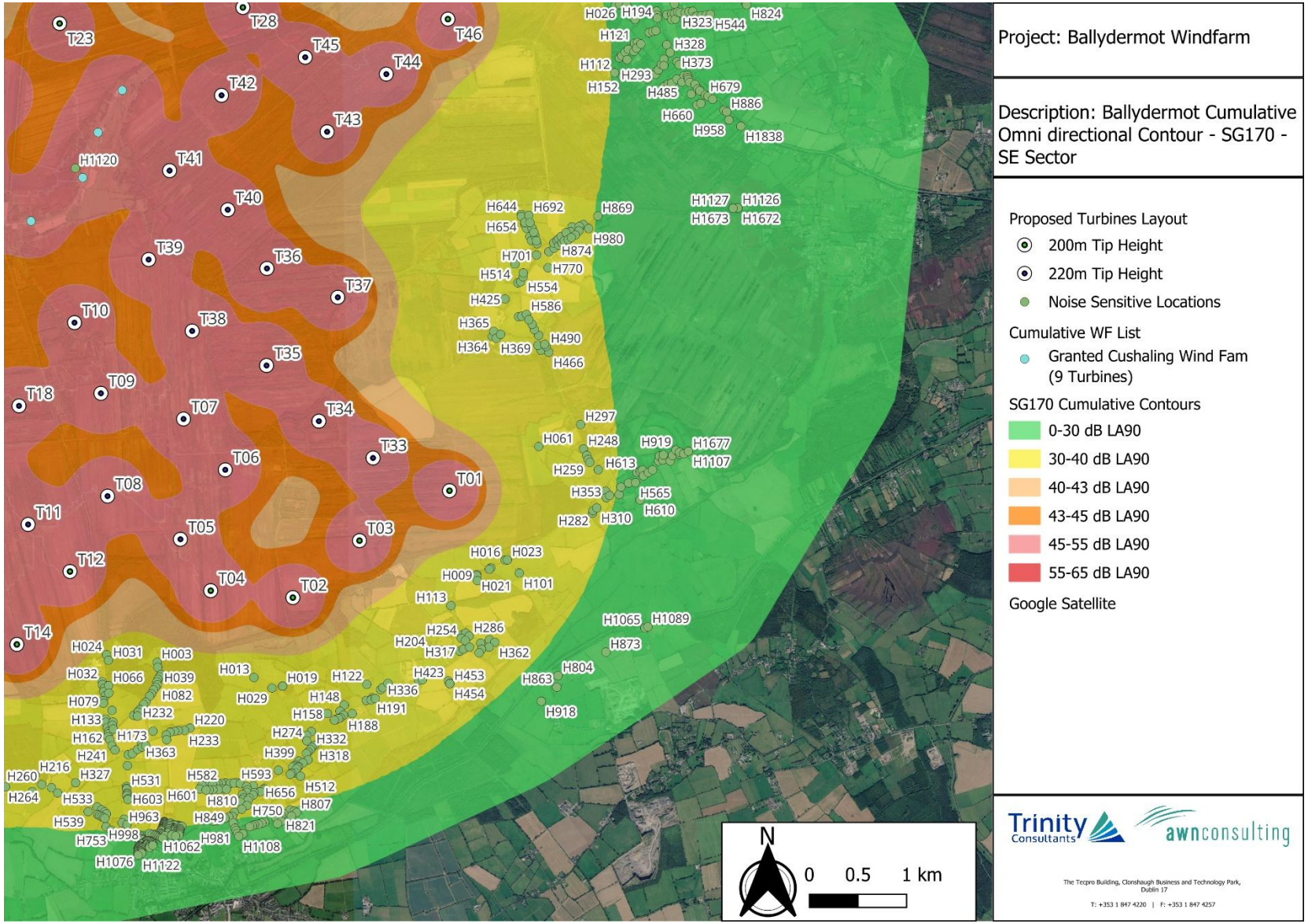
A12-4 2 Ballydermot Cumulative Contour – SG170



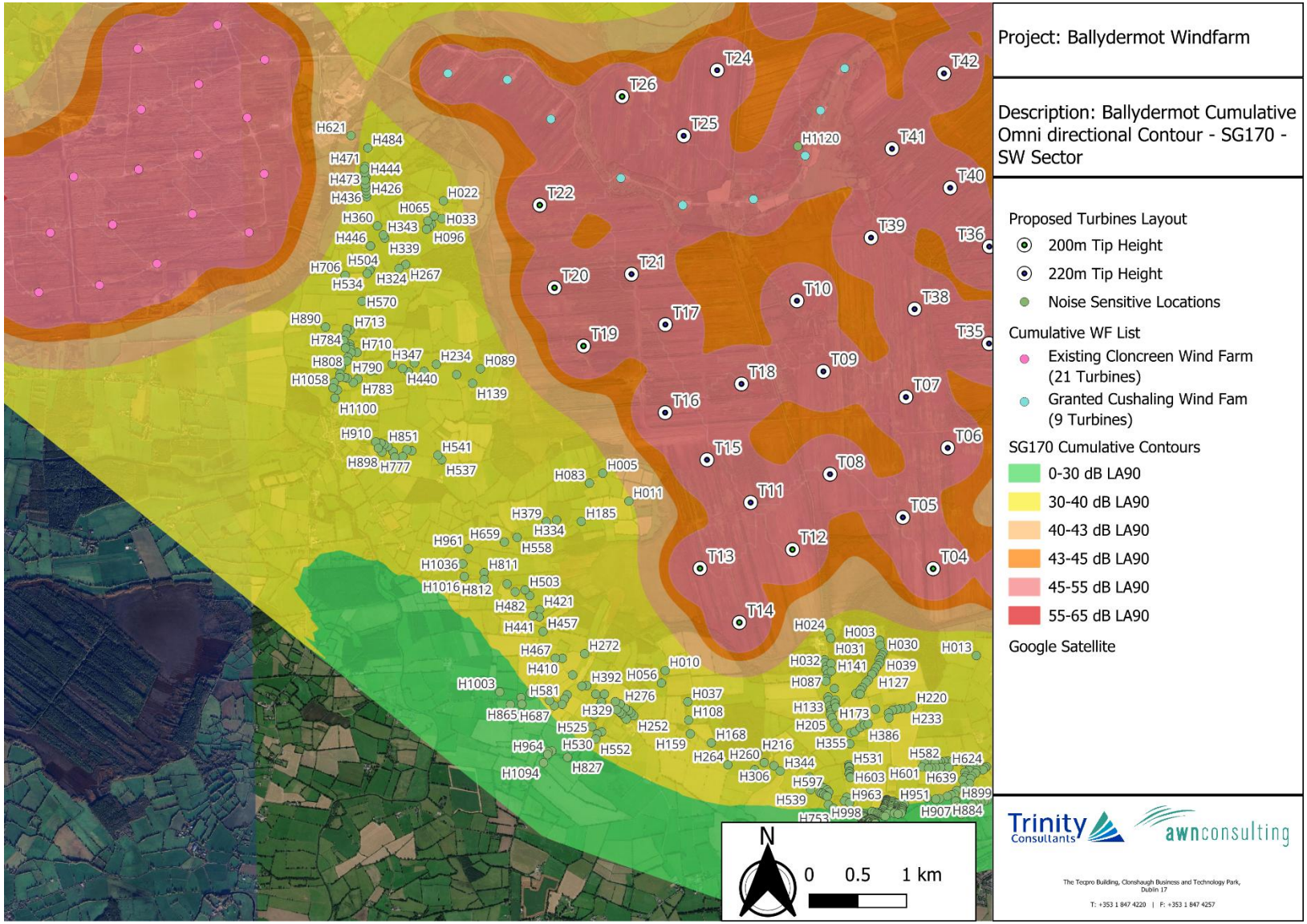
A12-4 3 Ballydermot Cumulative Contour – SG170



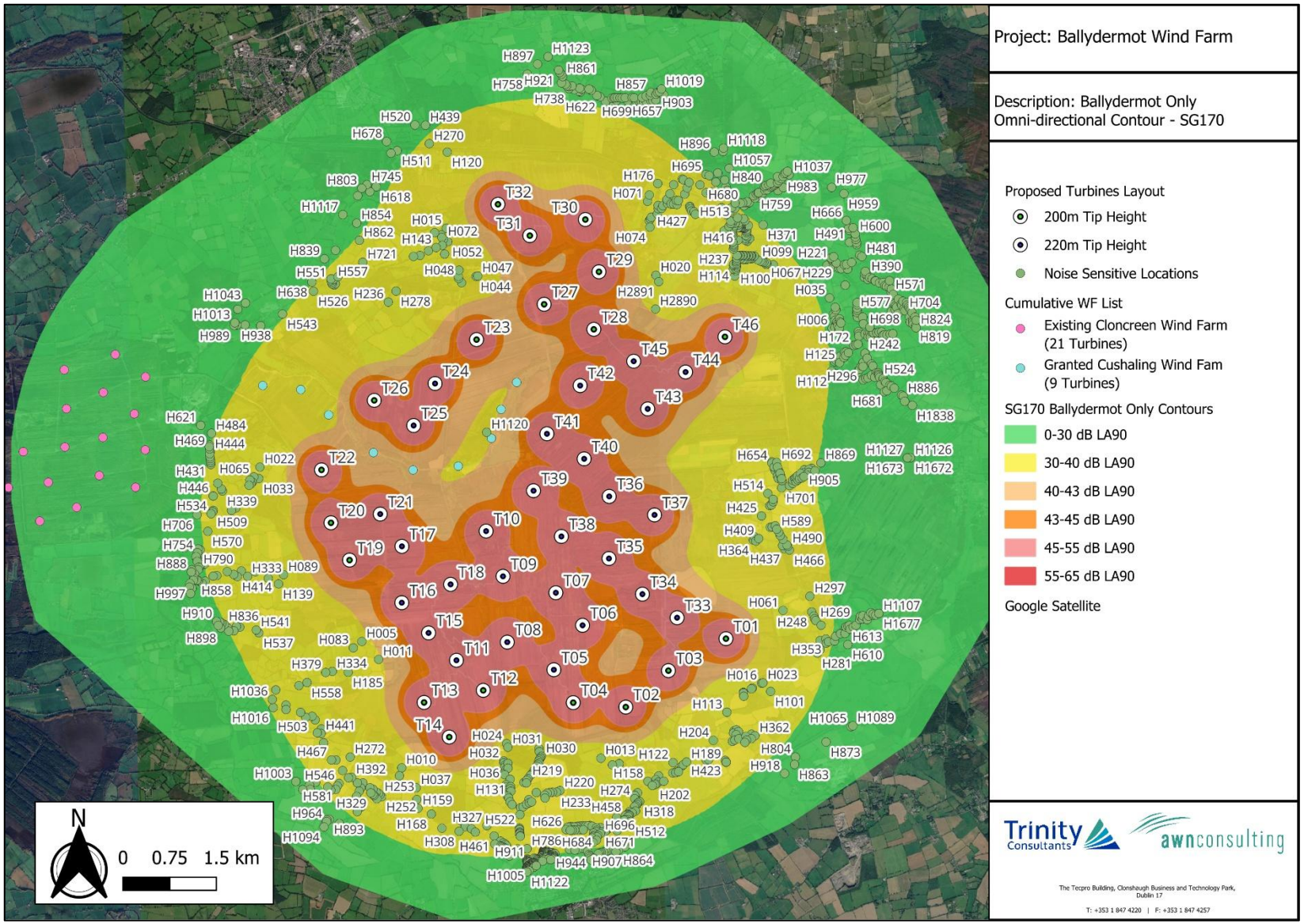
A12-4 4 Ballydermot Cumulative Contour – SG170



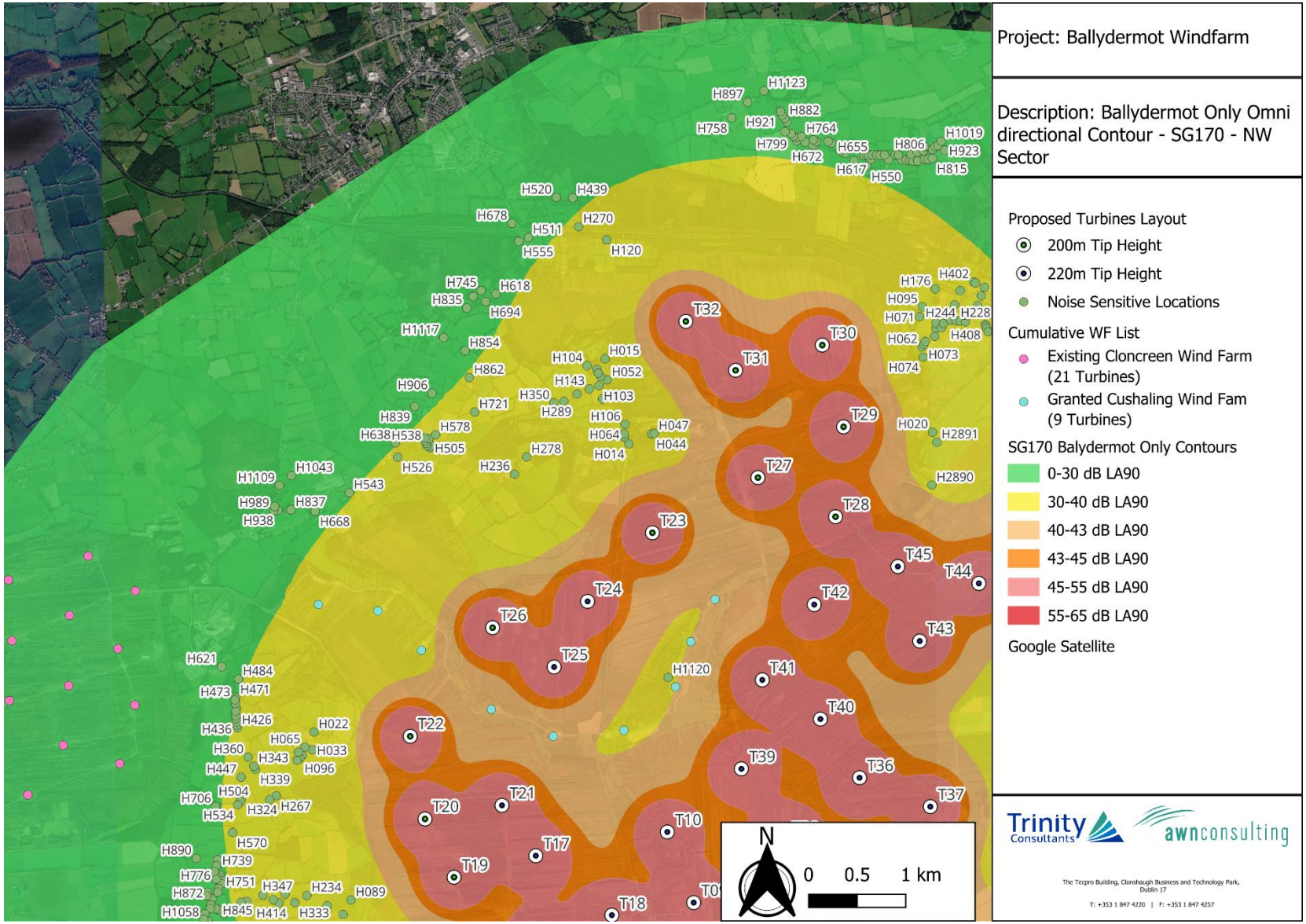
A12-4 5 Ballydermot Cumulative Contour – SG170



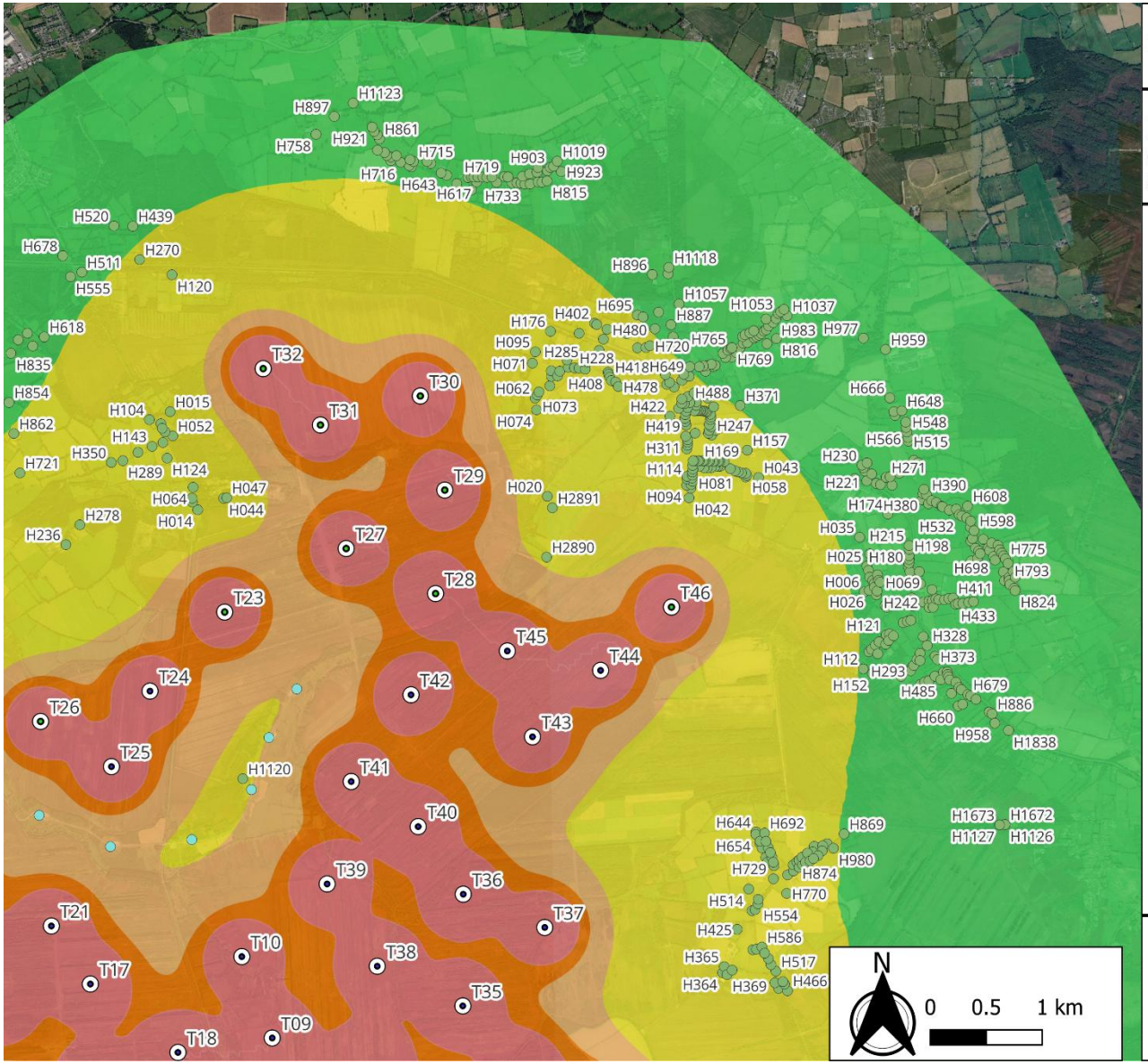
A12-4 6 Ballydermot Only Contour – SG170



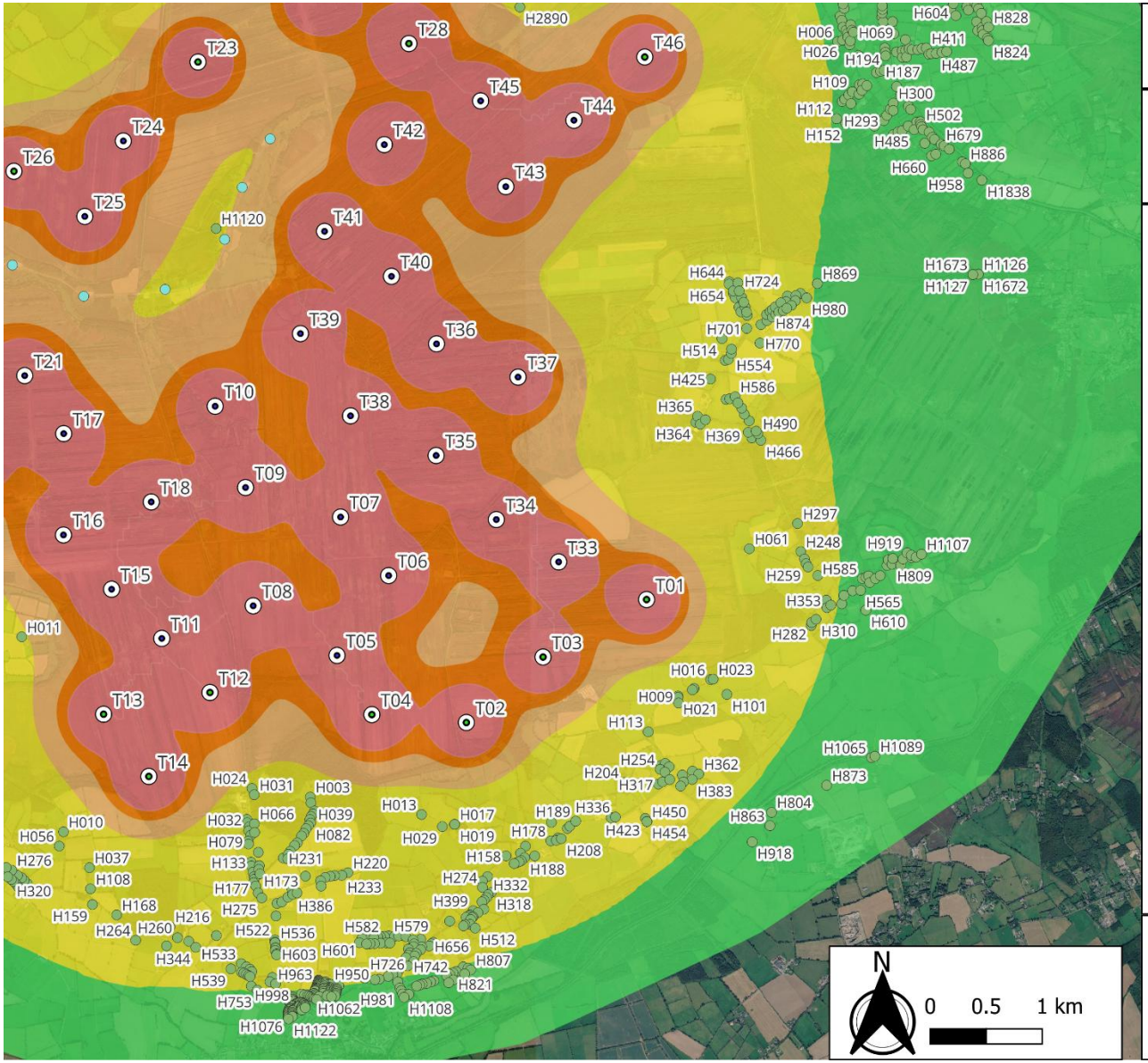
A12-4 7 Ballydermot Cumulative Contour – SG170



A12-4 8 Ballydermot Only Contour – SG170



A12-4 9 Ballydermot Only Contour – SG170



Project: Ballydermot Windfarm

Description: Ballydermot Only Omni directional Contour - SG170 - SE Sector

Proposed Turbines Layout

- 200m Tip Height
- 220m Tip Height
- Noise Sensitive Locations

Cumulative WF List

- Granted Cushaling Wind Fam (9 Turbines)

SG170 Balydermot Only Contours

- 0-30 dB LA90
- 30-40 dB LA90
- 40-43 dB LA90
- 43-45 dB LA90
- 45-55 dB LA90
- 55-65 dB LA90

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A12-4 10 Ballydermot Only Contour – SG170

