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Appendix 12-5

Noise Contour Map

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APPENDIX 12-5. NOISE CONTOURS

Figure 12-5-1 illustrates the screening of nearby wind farms based on the potential for their predicted noise contours to overlap with the Proposed Development's 35 dB L_{A90} contour. In accordance with the adopted methodology, only wind farms with a predicted 25 dB L_{A90} contour intersecting the Proposed Development 35 dB L_{A90} contour are considered capable of contributing to cumulative noise effects and therefore require detailed assessment. As shown in Figure 12-5-1, no overlap was identified between the Proposed Development 35 dB L_{A90} contour and the 25 dB L_{A90} contours of any surrounding wind farms.

Accordingly, no operational wind farm developments was identified for inclusion in the cumulative noise assessment, and the assessment was undertaken on the basis of the Proposed Development alone.

Figure 12-5-2 present the omni-directional operational noise contour for the proposed V136 at maximum sound power level output reached at rated power.

Figure 12-5-1 Screening assessment and Study Area

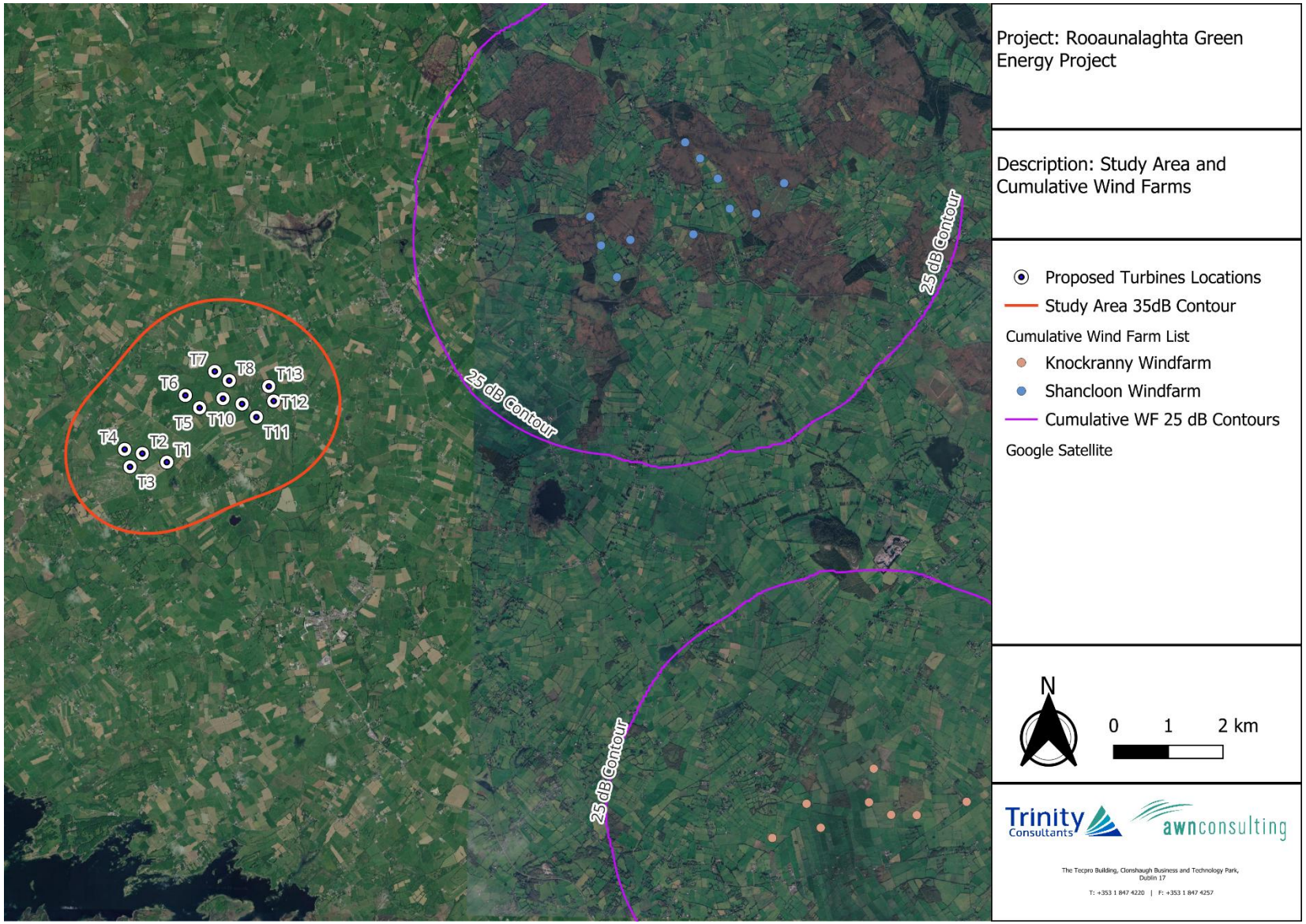


Figure 12-5-2 Omni-directional Operational Noise Contour – Rated Power

