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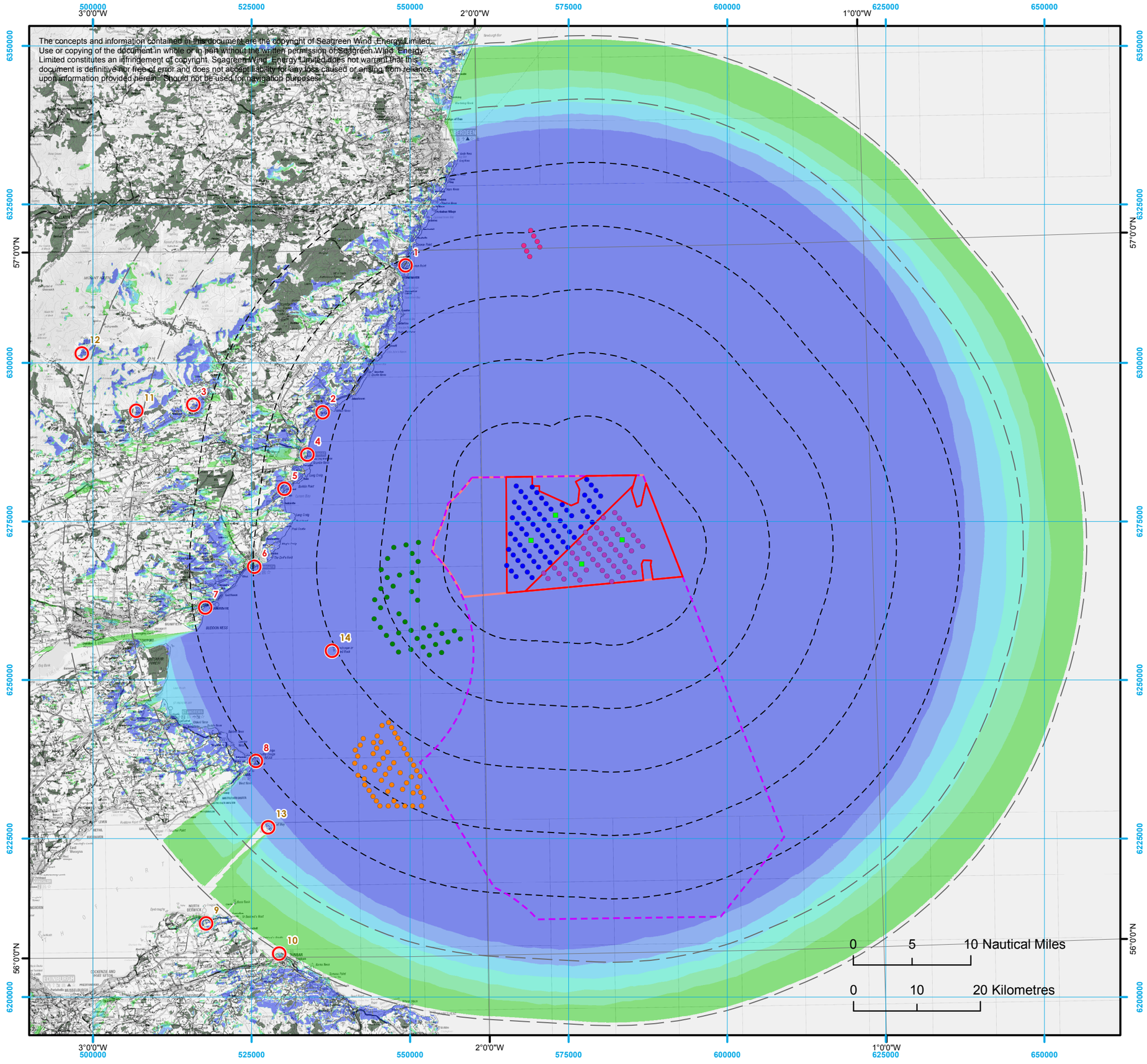

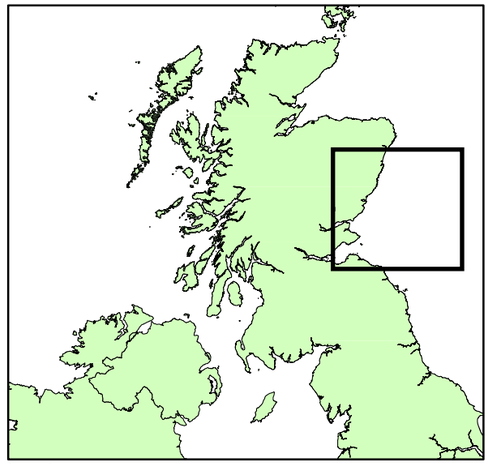

Legend

- Firth of Forth Round 3 Zone 2
- Seagreen Phase 1 North Block
- Project Alpha and Project Bravo boundaries

Projects Alpha and Bravo – Worst Case Scenario layouts

120 turbines - 170m hub, 280m tip

- Project Alpha turbines (70 no.)
- Project Bravo turbines (50 no.)
- 10km radii within 50km study area
- Additional 10km radii to search area
- Landscape viewpoints 1-14
- Woodland

- Inch Cape wind turbine Worst case 2017 layout 40 turbines - max 176m hub, 291m tip
- Neart Na Gaoithe wind turbine Worst case 2017 layout 54 turbines - max 126m hub, 208m tip
- Kincardine wind turbine Worst case 2017 layout 7 turbines - max 105m hub, 191m tip

Zone of Theoretical Visibility

280m hub turbines

- 1 - 20 turbines visible
- 21 - 40 turbines visible
- 41 - 60 turbines visible
- 61 - 80 turbines visible
- 81 - 100 turbines visible
- 101 - 120 turbines visible

Inch Cape, Neart na Gaoithe and Kincardine OWFs shown for reference and context.
ZTV generated using Ordnance Survey's Terrain50 dataset which does not take in to account the screening effects of buildings. Screening effects introduced through inclusion of Ordnance Survey VectorMapDistrict Woodland features modelled at 10m height.
ZTV calculated using ArcGIS 10.3 Viewshed tool with observer eye height 2m above ground & corrections for earth curvature and atmospheric refraction applied.

Coordinate System

UTM Zone 30 North (WGS84)
Projection: Transverse Mercator
Central Meridian: -3° East
Scale Factor: 0.9996
Latitude of Origin: 0° North
False Easting: 500000.0
False Northing: 0.0
Reference Spheroid: WGS84
Semi-major Axis: 6378137.0
Inverse Flattening: 298.2572236

N W E S

Project:

Firth of Forth Offshore Wind Farm

Figure / Drawing Title:

Blade Tip Zone of Theoretical Visibility with Obstructions from Woodland (Projects Alpha + Bravo)

Figure/Drawing Number: FIGURE 13.8 / 47400_ZV_023c

UNLESS THE REVISION IS **B** OR HIGHER THE DRAWING IS **NOT TO BE USED FOR DESIGN OR CONSTRUCTION**

REV	DATE	DESCRIPTION	BY	CKD	APPR DEV	APPR ENG
B0	27 JUN 2018	FOR FORMAL SUBMISSION	WW	NB	LR	HD

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