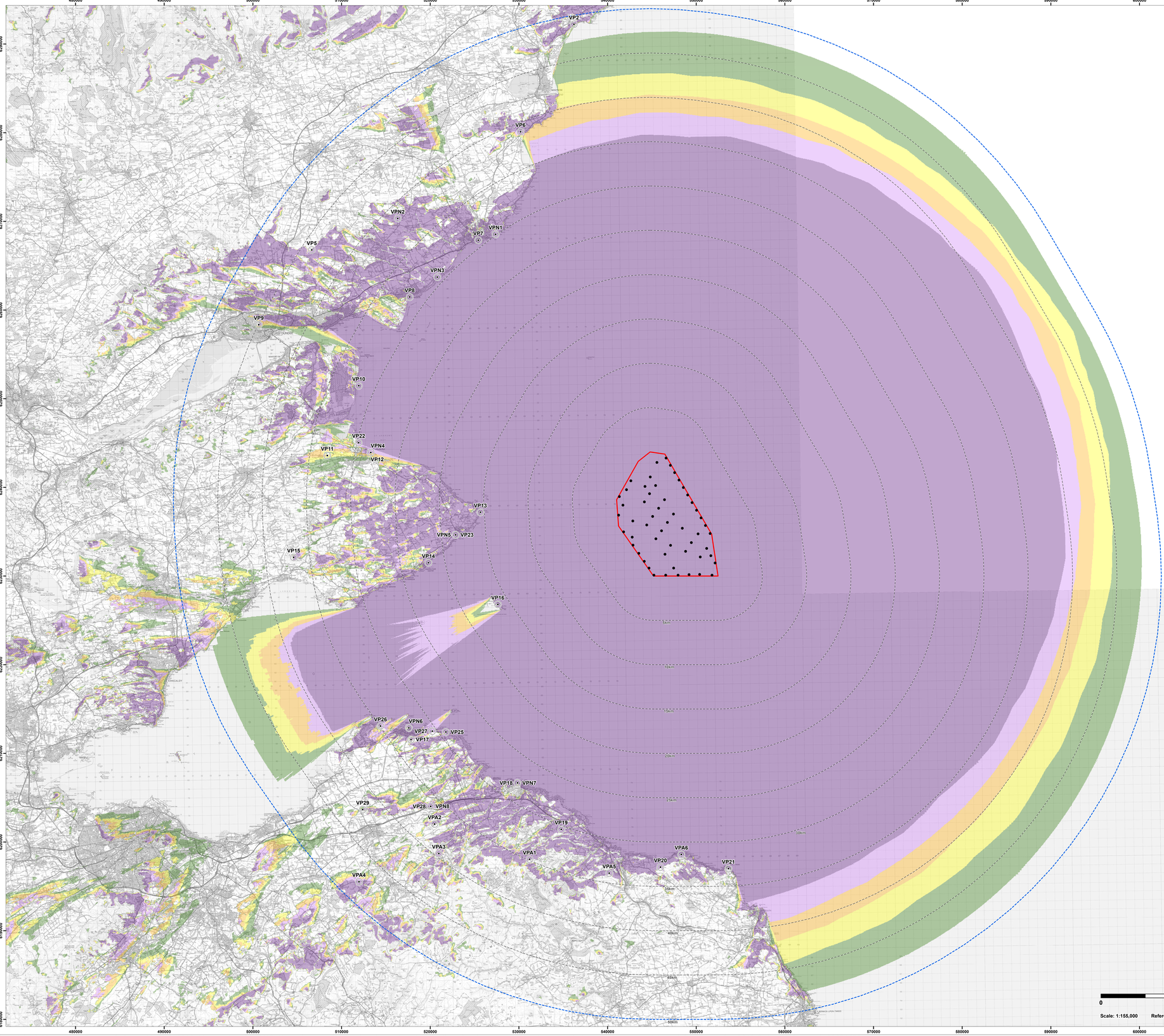

MAINSTREAM RENEWABLE POWER

Project

Neart na Gaoithe

Map Title

Zone of Theoretical Visibility: Turbine Hub Height (124.5m)

Drawing Number

Figure 14.3b

Legend

- Offshore Wind Farm Area
- Study Area (50km from Offshore Wind Farm Area)
- 5km Intervals from Offshore Wind Farm Area
- Turbine Layout
- Viewpoint Location
  - 2: Beach Road, Kirkton, St Cyrus
  - 5: Dodd Hill
  - 6: Braehead of Lunan
  - 7: Arbroath Signal Tower
  - 8: Carnoustie
  - 9: Dundee Law
  - 10: Tentsmuir
  - 11: Strathkinness
  - 12: St Andrews, East Scores
  - 13: Fife Ness, Lochaber Rock
  - 14: Anstruther Easter
  - 15: Largo Law
  - 16: Isle of May
  - 17: North Berwick Law
  - 18: Dunbar, Bayswell Park
  - 19: Innerwick
  - 20: Coldingham Moor
  - 21: St Abb's Head
  - 22: St Andrews, West Sands Road
  - 23: Crail
  - 24: Scottish Seabird Centre, North Berwick
  - 25: Tantallon Castle
  - 26: Broad Sands, North Berwick
  - 27: A198, North Berwick
  - 28: A199, East Linton
  - 29: Hopetoun Monument
  - N6: Scottish Seabird Centre, North Berwick
  - N2: B961, Carmyllie
  - N3: East Haven
  - N1: Arbroath, Kings Drive
  - N5: Crail
  - N7: Dunbar, Bayswell Park
  - N4: St Andrews, East Scores
  - N8: A199, East Linton
  - A4: B6355 west of B6368
  - A5: Ewieside Hill
  - A1: West Steel
  - A3: B6370 north of Garvald
  - A6: Fast Castle
  - A2: Traprain Law

Theoretical Turbine Visibility

- 1-14 Turbines are Visible
- 15-24 Turbines are Visible
- 25-34 Turbines are Visible
- 35-44 Turbines are Visible
- 45-54 Turbines are Visible

Map Scale @A0: 1:155,000

Source: MRP, LUC

Note
The ZTV is calculated to turbine hub height (124.5m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2017). The sea has been levelled out to 0m using MWH. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.4.1 software.

0 10 20 30 km

N

LUC

Scale: 1:155,000 | Reference: WGS 1984 UTM Zone 30N | Date: 27 March 2018 | File Ref: FIG14-3b_7098_r2_ZTVhub_A0L

Copyright © Mainstream Renewable Power Limited, 2018. Map produced by LUC. Not to be copied, reproduced, or otherwise distributed without expressly written permission. © Crown copyright and database rights 2018 Ordnance Survey 0100031673.