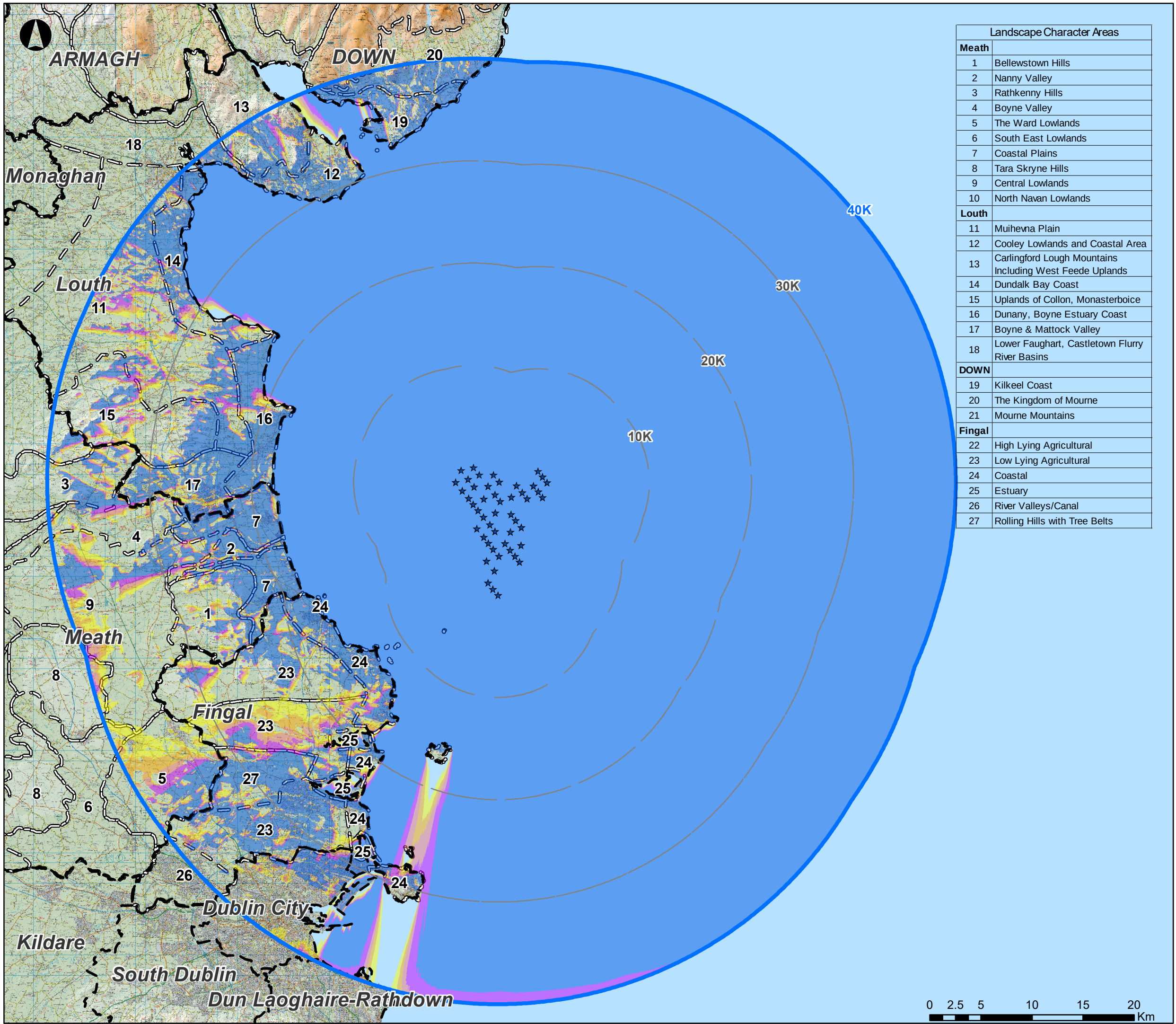


Volume 7A - Figures

Chapter 29
**Seascape, Landscape
and Visual**



Landscape Character Areas	
Meath	
1	Bellewstown Hills
2	Nanny Valley
3	Rathkenny Hills
4	Boyne Valley
5	The Ward Lowlands
6	South East Lowlands
7	Coastal Plains
8	Tara Skryne Hills
9	Central Lowlands
10	North Navan Lowlands
Louth	
11	Muihevna Plain
12	Cooley Lowlands and Coastal Area
13	Carlingford Lough Mountains Including West Feede Uplands
14	Dundalk Bay Coast
15	Uplands of Collon, Monasterboice
16	Dunany, Boyne Estuary Coast
17	Boyne & Mattock Valley
18	Lower Faughart, Castletown Flurry River Basins
DOWN	
19	Kilkeel Coast
20	The Kingdom of Mourne
21	Mourne Mountains
Fingal	
22	High Lying Agricultural
23	Low Lying Agricultural
24	Coastal
25	Estuary
26	River Valleys/Canal
27	Rolling Hills with Tree Belts

Legend

- ★ Option 1 Turbines (290m TH)
 - 40km Principal SLVIA Study Area
 - County Boundaries
 - Landscape Character Areas
- No Turbines Potentially Visible
- 1 - 10
 - 11 - 20
 - 21 - 30
 - 31 - 40
 - 41 - 49

Note: This ZTV map has been generated with ESRI's ArcMap 10.8, with the Spatial Analyst/ Viewshed tool, from a Digital Terrain Model (DTM), which represents an unrealistic bare-ground scenario that tends to over-represent visibility because it does not take account of screening by the likes of vegetation and built development.

NISA

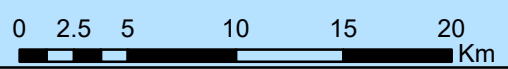
North Irish Sea Array

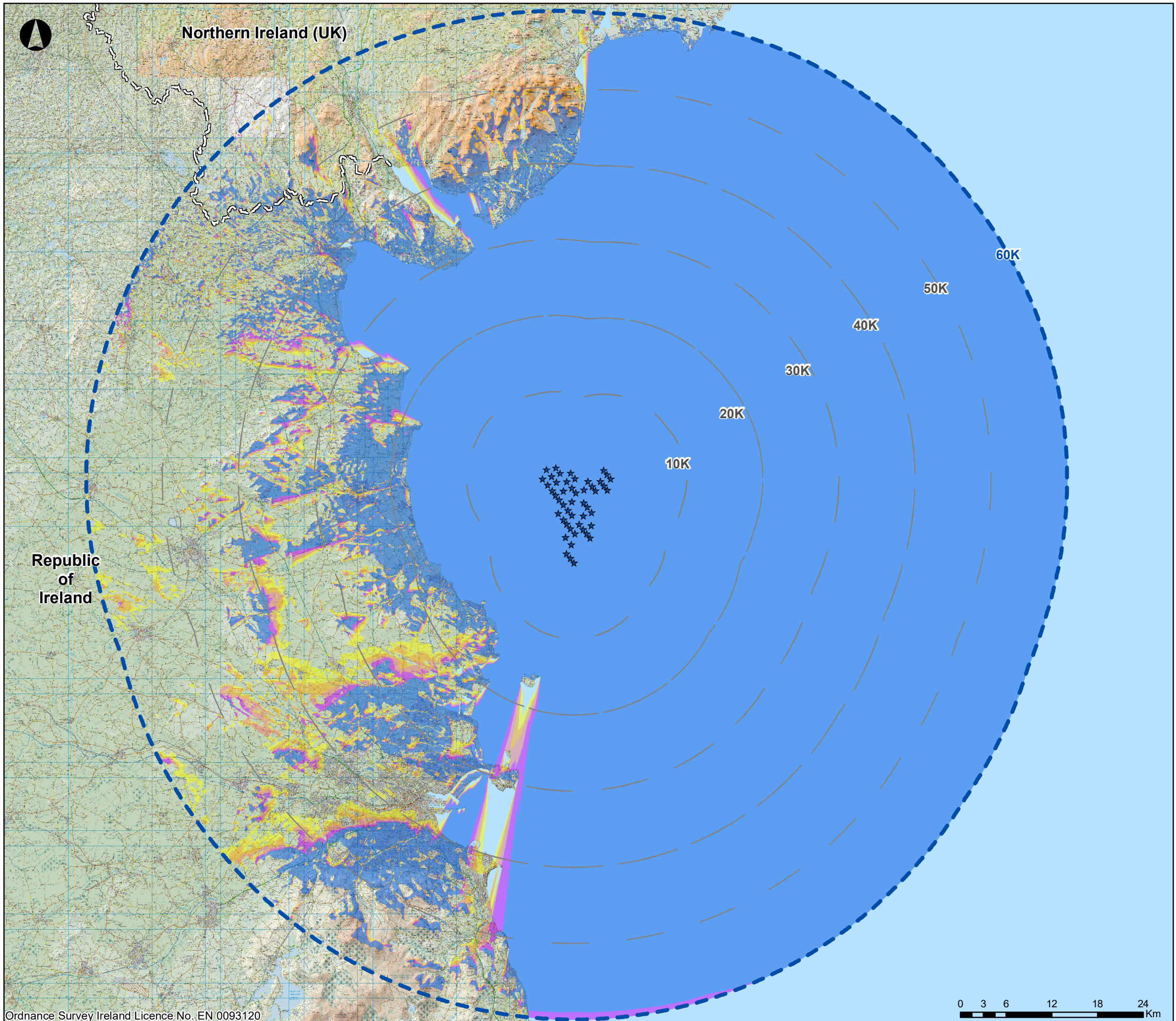


Project
North Irish Sea Array Offshore Wind Farm

Figure Title
Landscape Character Areas & ZTV (Bare-ground)

Job No: 0000	Figure No:
Date: 2026/01/27	<h1>A29.1</h1>
Scale: 1:350,000	
Status: Final	





Ordnance Survey Ireland Licence No. EN 0093120

Legend

- ★ Option 1 Turbines
- ⋮ 60 Km Extent
- === ROI - NI (UK) Border

No Turbines Potentially Visible

- 1 - 10
- 11 - 20
- 21 - 30
- 31 - 40
- 41 - 49

Note: This ZTV map has been generated with ESRI's ArcMap 10.3.1, with the Spatial Analyst/Viewshed tool, from a Digital Terrain Model (DTM), which represents an unrealistic bare-ground scenario that tends to over-represent visibility because it does not take account of screening by the likes of vegetation and built development.

NISA
North Irish Sea Array

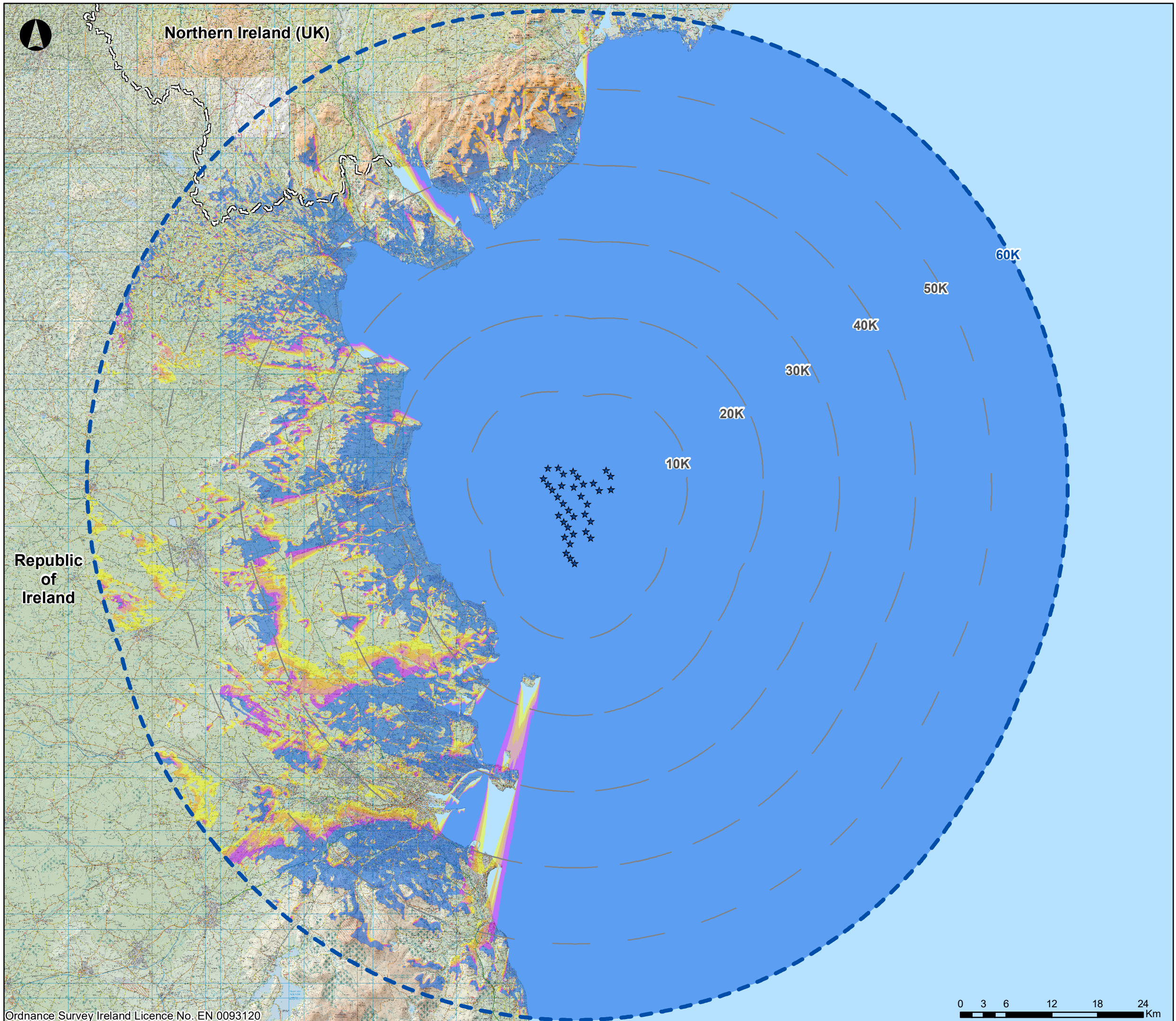


Project
North Irish Sea Array
Offshore Wind Farm

Figure Title
Option 1 ZTV
(Bare-ground)
-
Tip Height (290m)

Job No: 0000
Date: 2026/01/27
Scale: 1:470,000
Status: Final

Figure No:
A29.2a



Legend

- ★ Option 2 Turbines
- 60 Km Extent
- == == ROI - NI (UK) Border

No Turbines Potentially Visible

- 1 - 7
- 8 - 14
- 15 - 21
- 22 - 28
- 29 - 35

Note: This ZTV map has been generated with ESRI's ArcMap 10.3.1, with the Spatial Analyst/ Viewshed tool, from a Digital Terrain Model (DTM), which represents an unrealistic bare-ground scenario that tends to over-represent visibility because it does not take account of screening by the likes of vegetation and built development.

NISA

North Irish Sea Array



Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**Option 2 ZTV
(Bare-ground)**

**-
Tip Height (316m)**

Job No: 0000

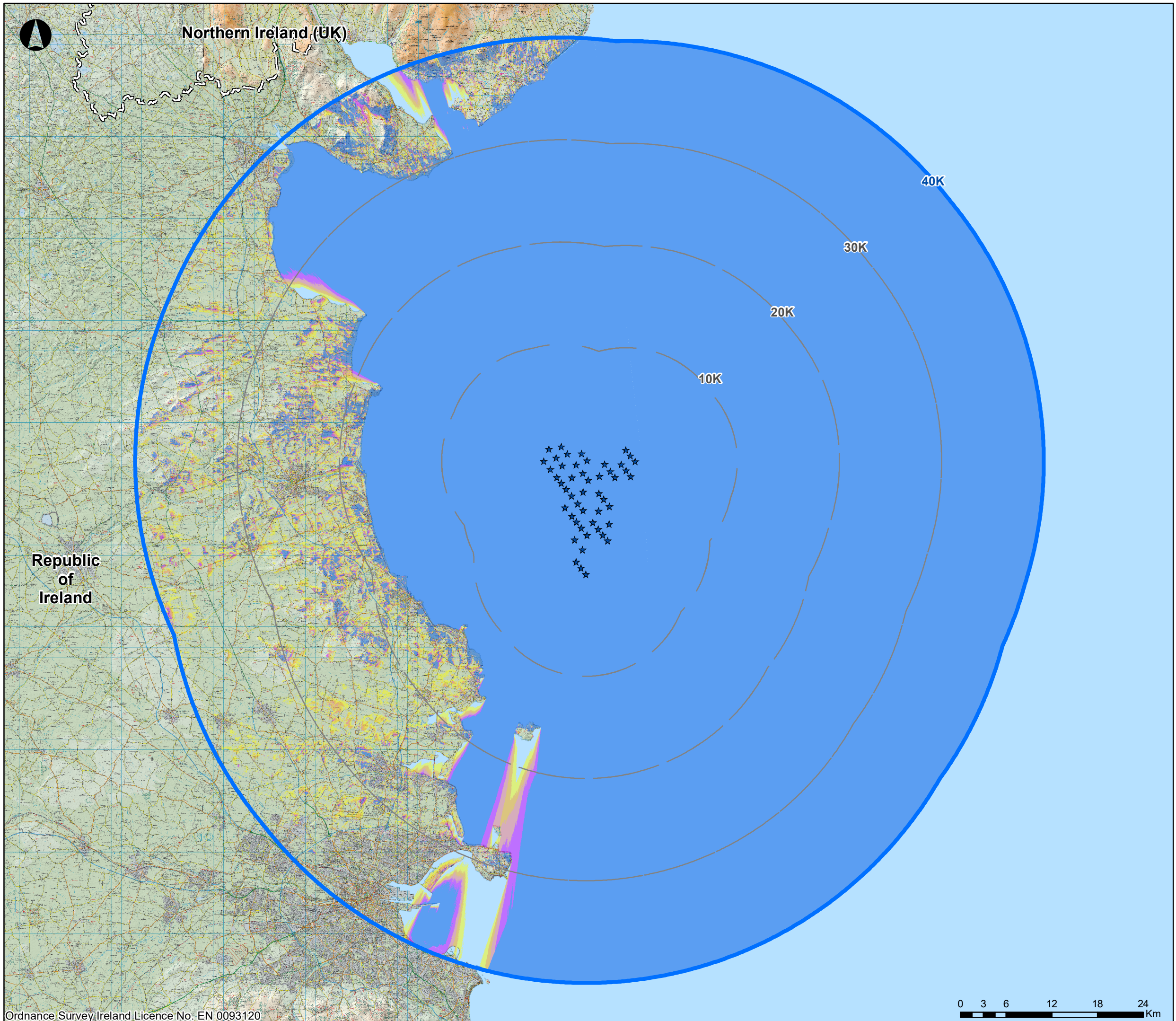
Date: 2026/01/27

Scale: 1:470,000

Status: Final

Figure No:

A29.2b



Legend

- ★ Option 1 Turbines
 - 40 Km Extent
 - === ROI - NI (UK) Border
- No Turbines Potentially Visible
- 1 - 10
 - 11 - 20
 - 21 - 30
 - 31 - 40
 - 41 - 49

Note: This ZTV map has been generated with ESRI's ArcMap 10.3.1, with the Spatial Analyst/ Viewshed tool, from a Digital Surface Model (DSM) with a 3m resolution, which takes account of screening by the likes of vegetation and built development and is, therefore, a more realistic representation of visibility than the bare-ground ZTV maps generated from DTM data.

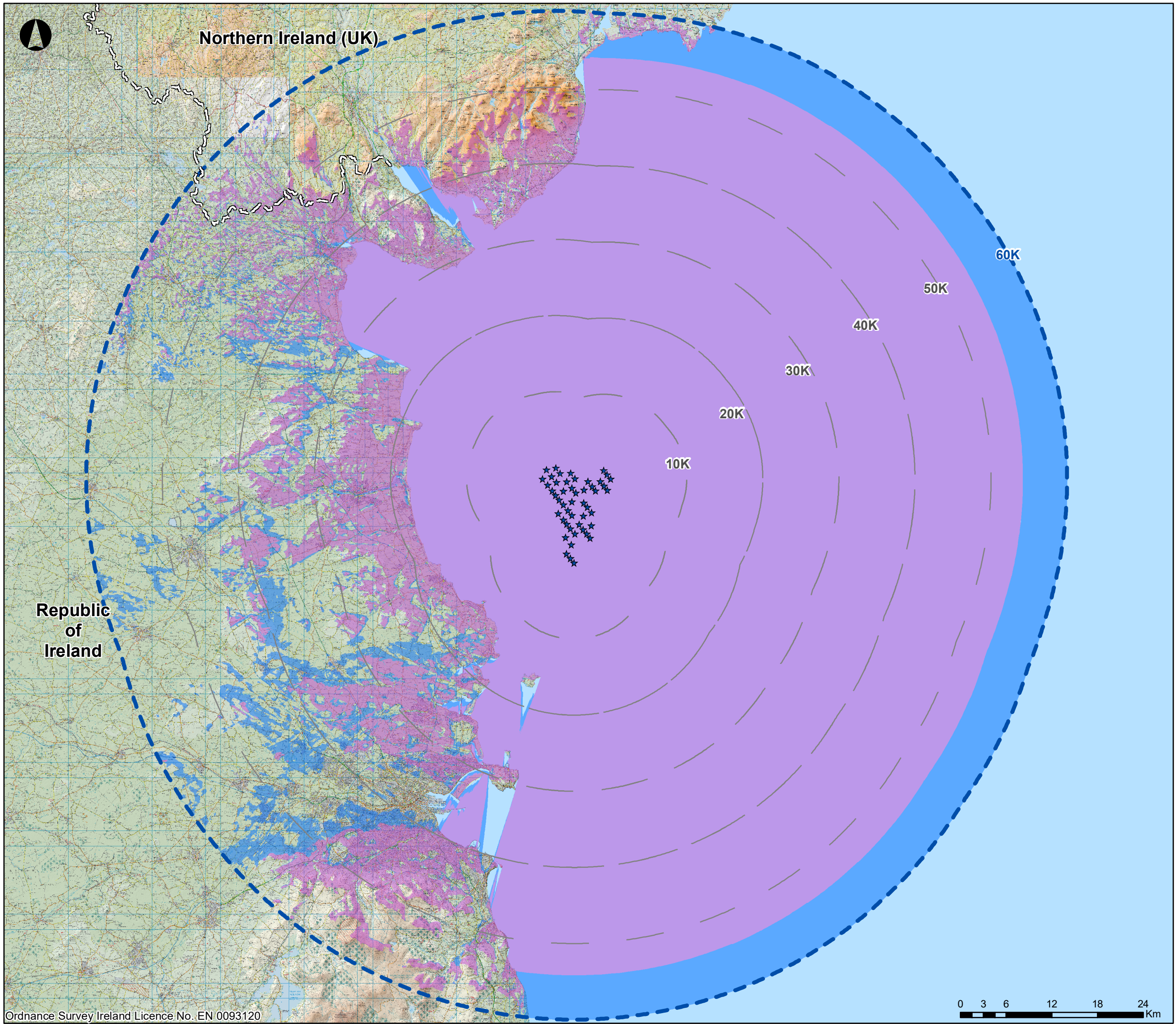
NISA
North Irish Sea Array



Project
North Irish Sea Array Offshore Wind Farm

Figure Title
Option 1 ZTV (DSM)
-
Tip Height (290m)

Job No: 0000	Figure No:
Date: 2026/01/27	A29.2c
Scale: 1:350,000	
Status: Final	



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Legend

- ★ Option 1 Turbines
- ⋮ 60 Km Extent
- ⋮ ROI - NI (UK) Border
- Turbine Visibility**
- Up to Blade tip (1m - 290m)
- Hub to blade tip only (165m - 290m)

Note: This ZTV map has been generated with ESRI's ArcMap 10.8, with the Spatial Analyst/Viewshed tool, from a Digital Terrain Model (DTM), which represents an unrealistic bare-ground scenario that tends to over-represent visibility because it does not take account of screening by the likes of vegetation and built development.

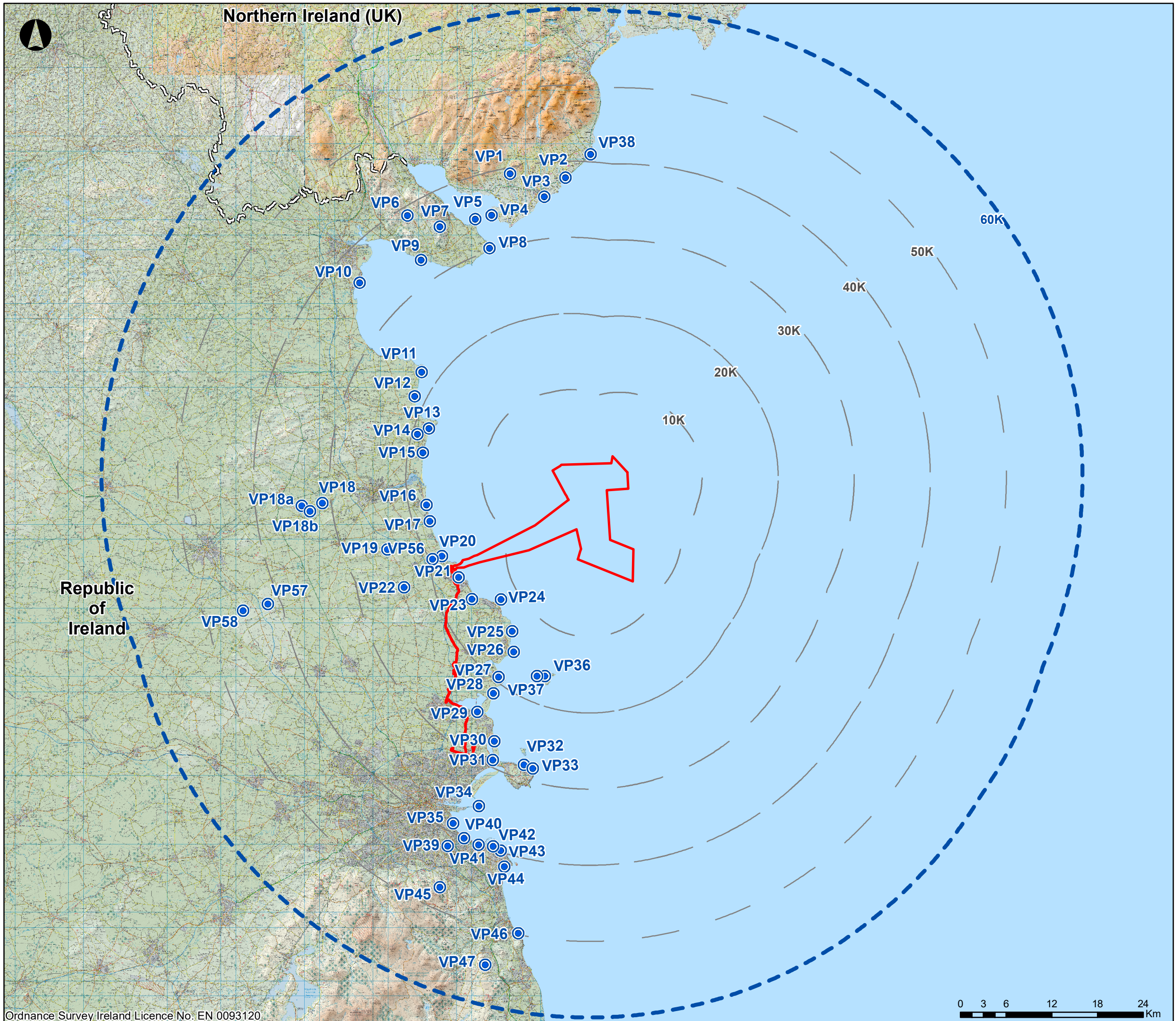
NISA
North Irish Sea Array



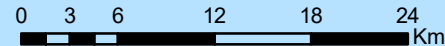
Project
North Irish Sea Array
Offshore Wind Farm

Figure Title
Comparative ZTV
(Bare-ground)
-
Tip and Hub Height

Job No: 0000	Figure No:
Date: 2026/01/27	A29.3
Scale: 1:470,000	
Status: Final	



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Legend

- Proposed Development Boundary
- ⊙ Viewpoint Locations (Offshore assessment)
- 60 Km Extent
- ROI - NI (UK) Border

NISA
North Irish Sea Array

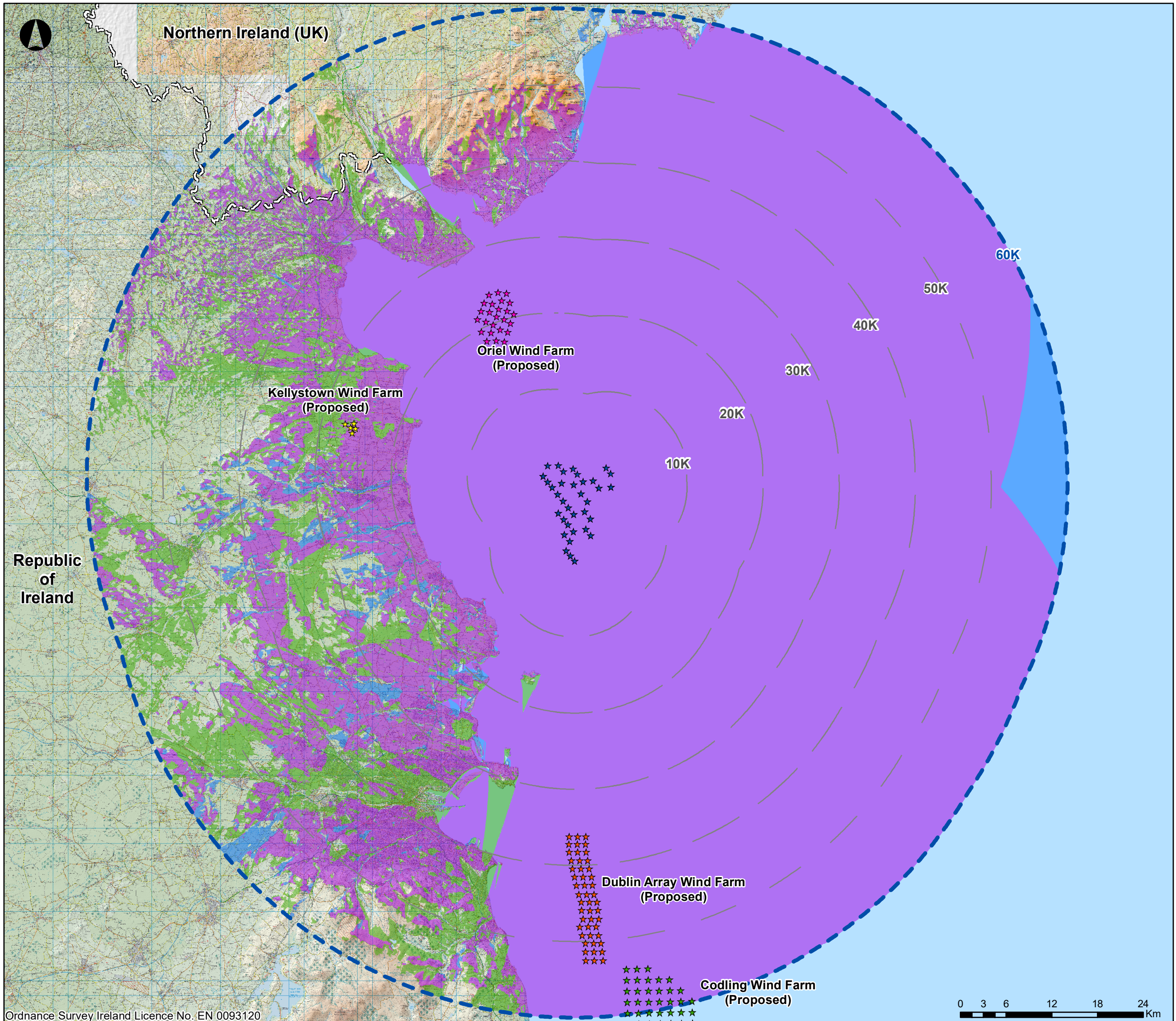


Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
Viewpoint Location Map

Job No: 0000
Date: 2026/01/27
Scale: 1:470,000
Status: Final

Figure No:
A29.4



Legend

- ★ Option 2 Turbines (316m TH)
- ★ Dublin Array Turbines (300m TH)
- ★ Oriel Turbines (270m TH)
- ★ Codling Turbines (320m TH)
- ★ Kellystown Turbines (180m TH)

- 60 Km Extent
- ROI - NI (UK) Border

Wind Farm Visibility

- 8.7% (22.9% of land) Visibility of cumulative proposed turbines only
- 74.4% (35.1% of land) Visibility of NISA proposed turbines as well as cumulative proposed turbines
- 2.9% (4.1% of land) Visibility of NISA proposed turbines only

14% of the entire study area and 37.9% of the land portion of study area to 60km will not have any view of the turbine blades of any of the proposed Wind Farms

Note: This ZTV map has been generated from a Digital Terrain Model (DTM), which represents an unrealistic bare-ground scenario that tends to over-represent visibility because it does not take account of screening by the likes of vegetation and built development.

NISA

North Irish Sea Array

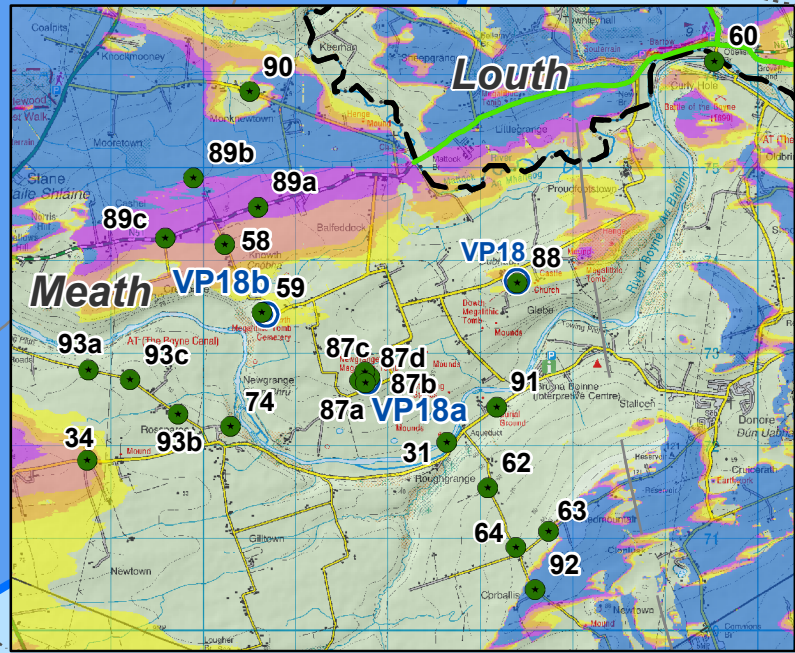
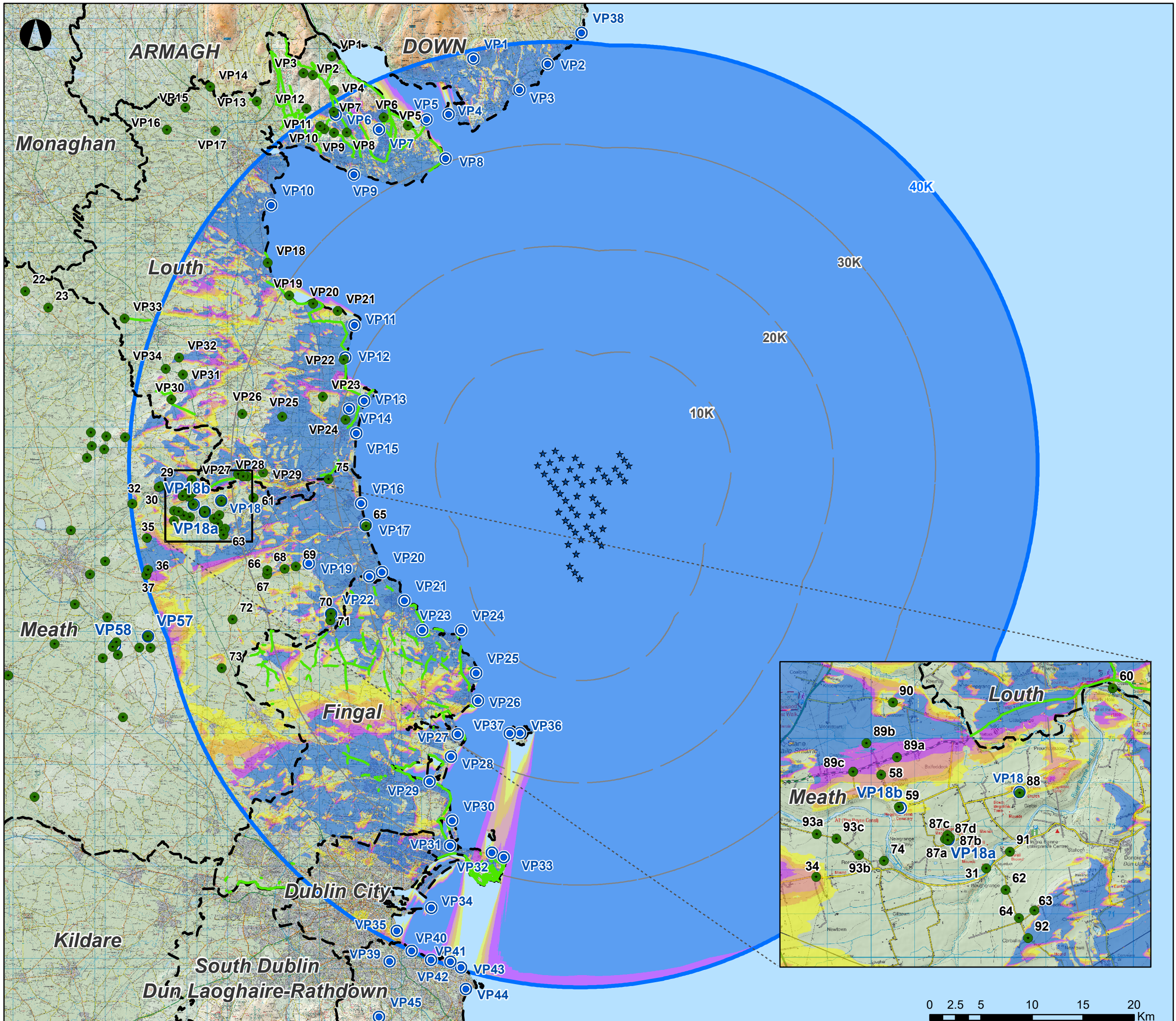


Project
North Irish Sea Array Offshore Wind Farm

Figure Title
Cumulative ZTV (Bare-ground)

Job No: 0000	Figure No:
Date: 2026/01/27	<h1 style="margin: 0;">A29.5</h1>
Scale: 1:470,000	
Status: Final	





Legend

- ★ Option 1 Turbines
- ⊙ Viewpoint Locations
- ▭ 40km Principal SLVIA Study Area
- - - County Boundaries
- Views and Prospects
- Scenic Routes

No Turbines Potentially Visible

- 1 - 10
- 11 - 20
- 21 - 30
- 31 - 40
- 41 - 49

Note: This ZTV map has been generated with ESRI's ArcMap 10.3.1, with the Spatial Analyst/Viewshed tool, from a Digital Terrain Model (DTM), which represents an unrealistic bare-ground scenario that tends to over-represent visibility because it does not take account of screening by the likes of vegetation and built development.

NISA
North Irish Sea Array

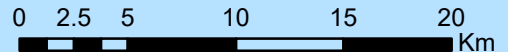
ARUP **GOBE**

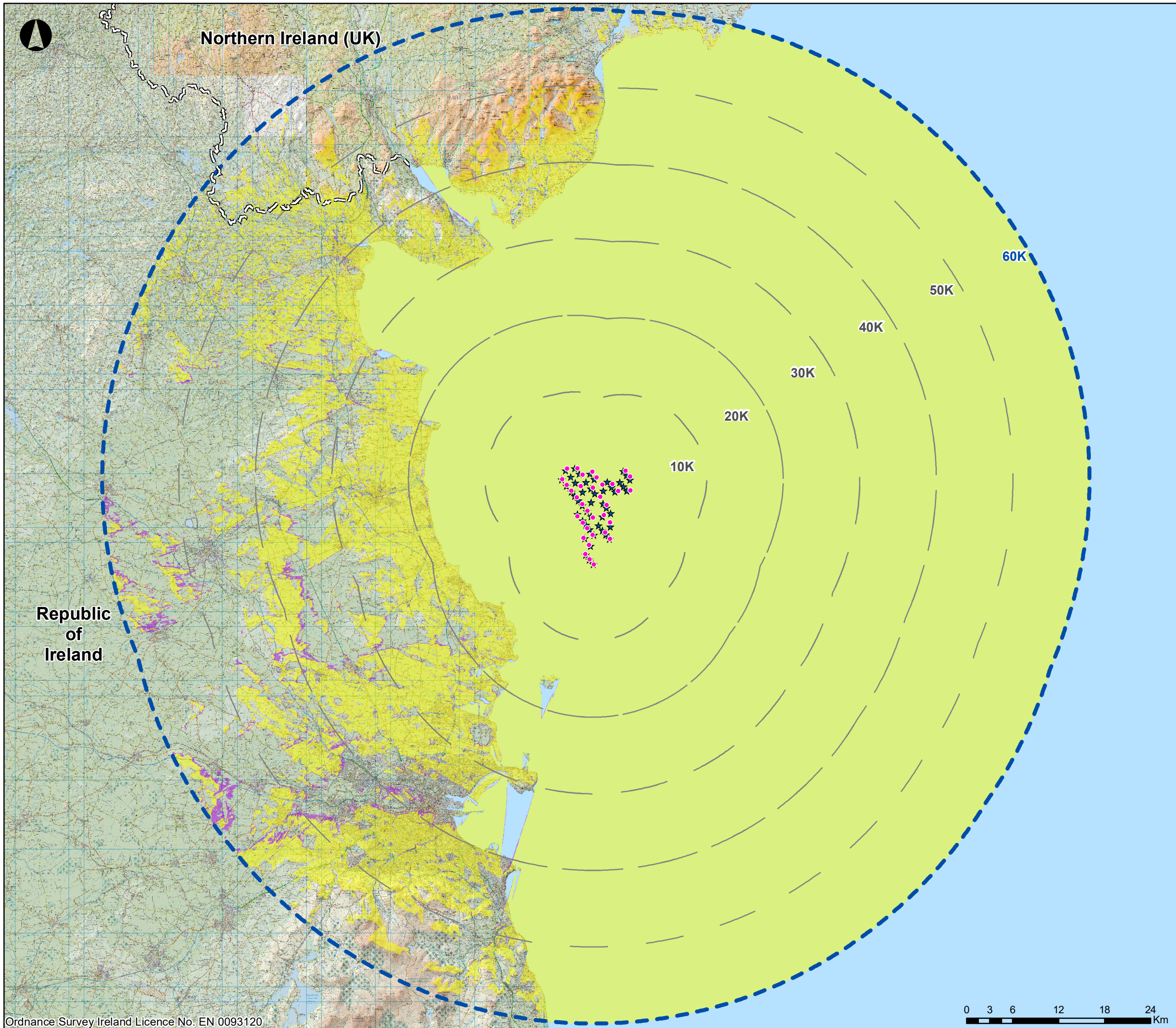
Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Scenic Designations
&
ZTV (Bare-ground)**

Job No: 0000
Date: 2026/01/27
Scale: 1:350,000
Status: Final

Figure No:
A29.6





Ordnance Survey Ireland Licence No: EN 0093120

Legend

- ★ Option 1 Turbines
- Option 2 Turbines
- ⋮ 60 Km Extent
- == ROI - NI (UK) Border

Wind Farm Visibility

- 1.1% Visibility of Option 2 turbines only
- 76.1% Visibility of both Option 1 and Option 2 turbines
- 0.1% Visibility of Option 1 turbines only

22.7% of the entire study area to 60km will not have any view of the turbine blades of any of the proposed turbines

Note: This ZTV map has been generated with ESRI's ArcMap 10.8, with the Spatial Analyst/Viewshed tool, from a Digital Terrain Model (DTM), which represents an unrealistic bare-ground scenario that tends to over-represent visibility because it does not take account of screening by the likes of vegetation and built development.

NISA
North Irish Sea Array

ARUP **GOBe**

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Comparative ZTV
-
Option1 vs Option2**

Job No: 0000
Date: 2026/01/27
Scale: 1:470,000
Status: Final

Figure No:
A29.7