



Spiorad na Mara Offshore Wind Farm

Offshore Project

Environmental Impact Assessment Report

Chapter 9: Physical and Coastal Processes - Figures, Volume 2b

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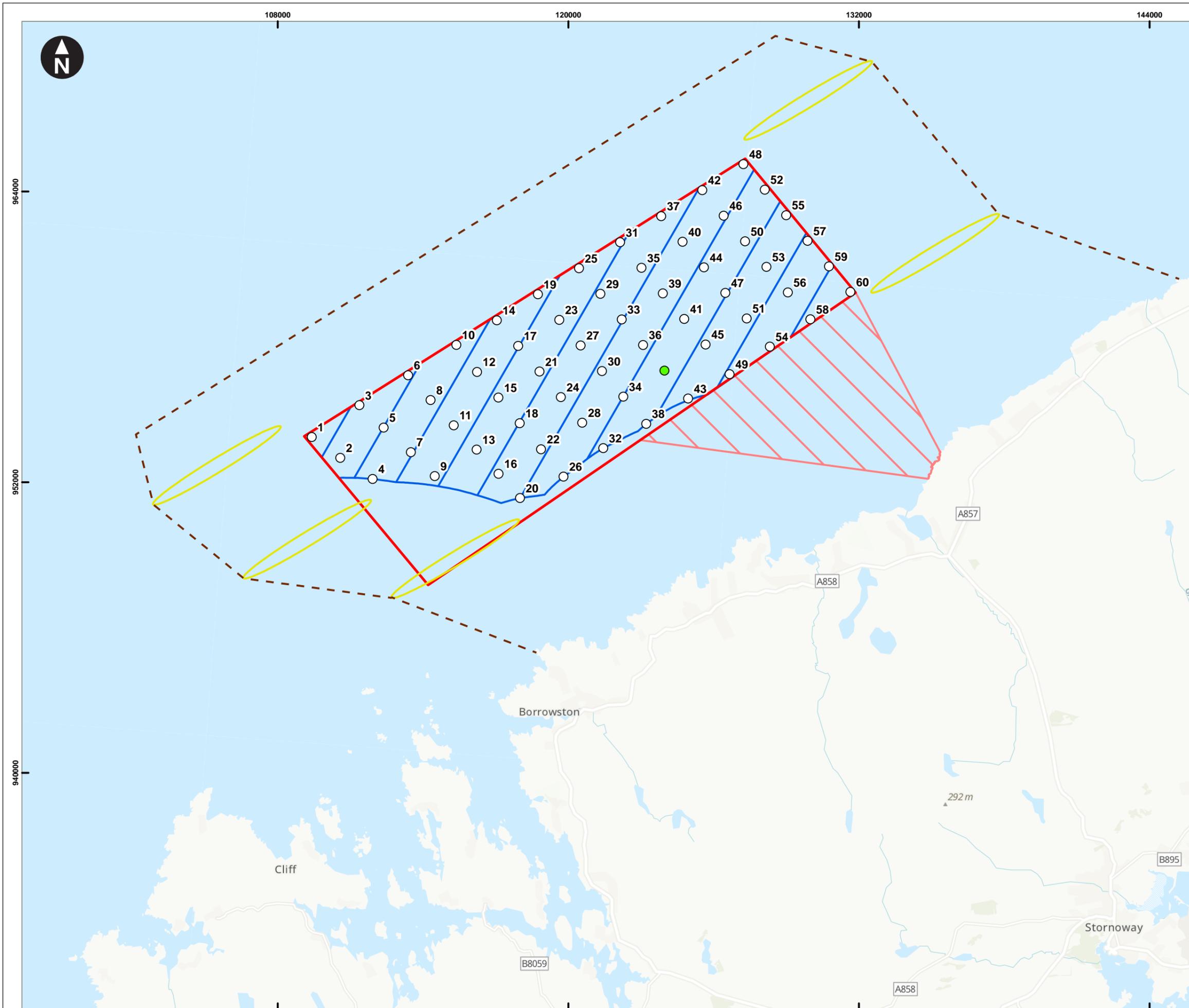
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Contents

List of Figures

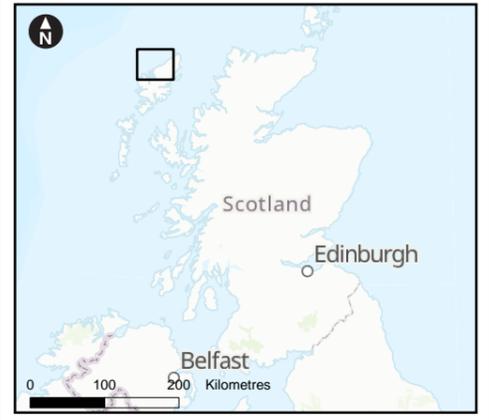
Figure number	Figure Title	Revision	Revision Date
Figure 9.1	Study Area and Zone of Influence	Rev A	February 2026
Figure 9.2	Designated Sites of Geological Interest relative to the Zone of Influence	Rev A	February 2026
Figure 9.3	Site Bathymetry	Rev A	February 2026
Figure 9.4	Seabed Substrate	Rev A	February 2026
Figure 9.5	Overview of Seabed Substrate by Folk Classification	Rev A	February 2026
Figure 9.6	Extraction for Baseline Sediment Transport	Rev A	February 2026
Figure 9.7	Dynamic Coast 2 Prediction of Coastal Erosion susceptibility for the 2100 Future Emission Scenario	Rev A	February 2026
Figure 9.8	Difference Between Surface and Bed Temperature in May	Rev A	February 2026
Figure 9.9	Difference Between Surface and Bed Temperature in June	Rev A	February 2026
Figure 9.10	Difference Between Surface and Bed Temperature in July	Rev A	February 2026
Figure 9.11	Difference Between Surface and Bed Temperature in August	Rev A	February 2026
Figure 9.12	Difference Between Surface and Bed Temperature in September	Rev A	February 2026
Figure 9.13	Location of Landfall Exit Pit Area	Rev A	February 2026

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Key

- Array Area
- Turbine Area
- Offshore Cable Area of Search
- Turbines
- OSS
- Zone of Influence
- Spring Tidal Ellipse



0 1.5 3 4.5 6 Kilometres

Scale at A3:1:150,000
 World Topographic Map: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community



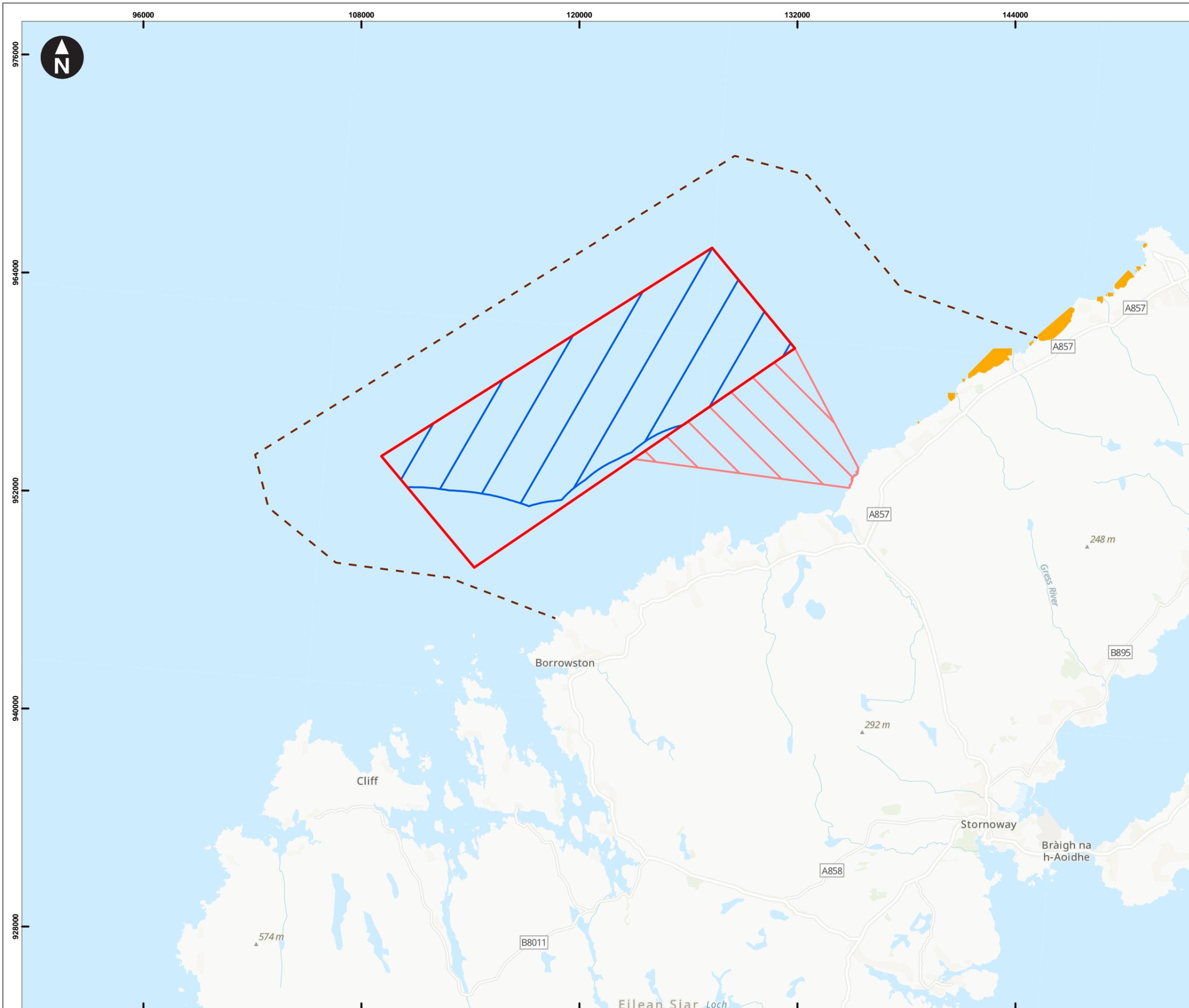


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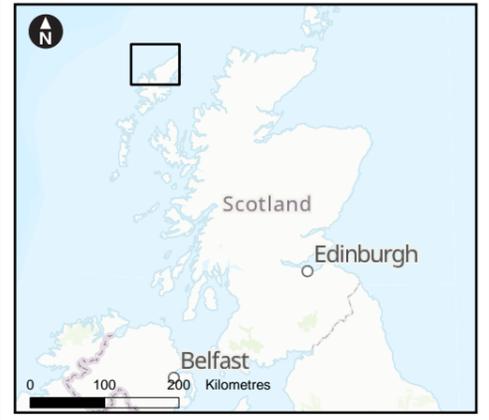
Figure 9-1
Study Area and Zone of Influence

Document Number	04/02/2026
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Key

-  Array Area
-  Turbine Area
-  Offshore Cable Area of Search
-  Zone of Influence
-  North-West Coast of Lewis GCR Sites



Scale at A3:1:200,000

World Topographic Map: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

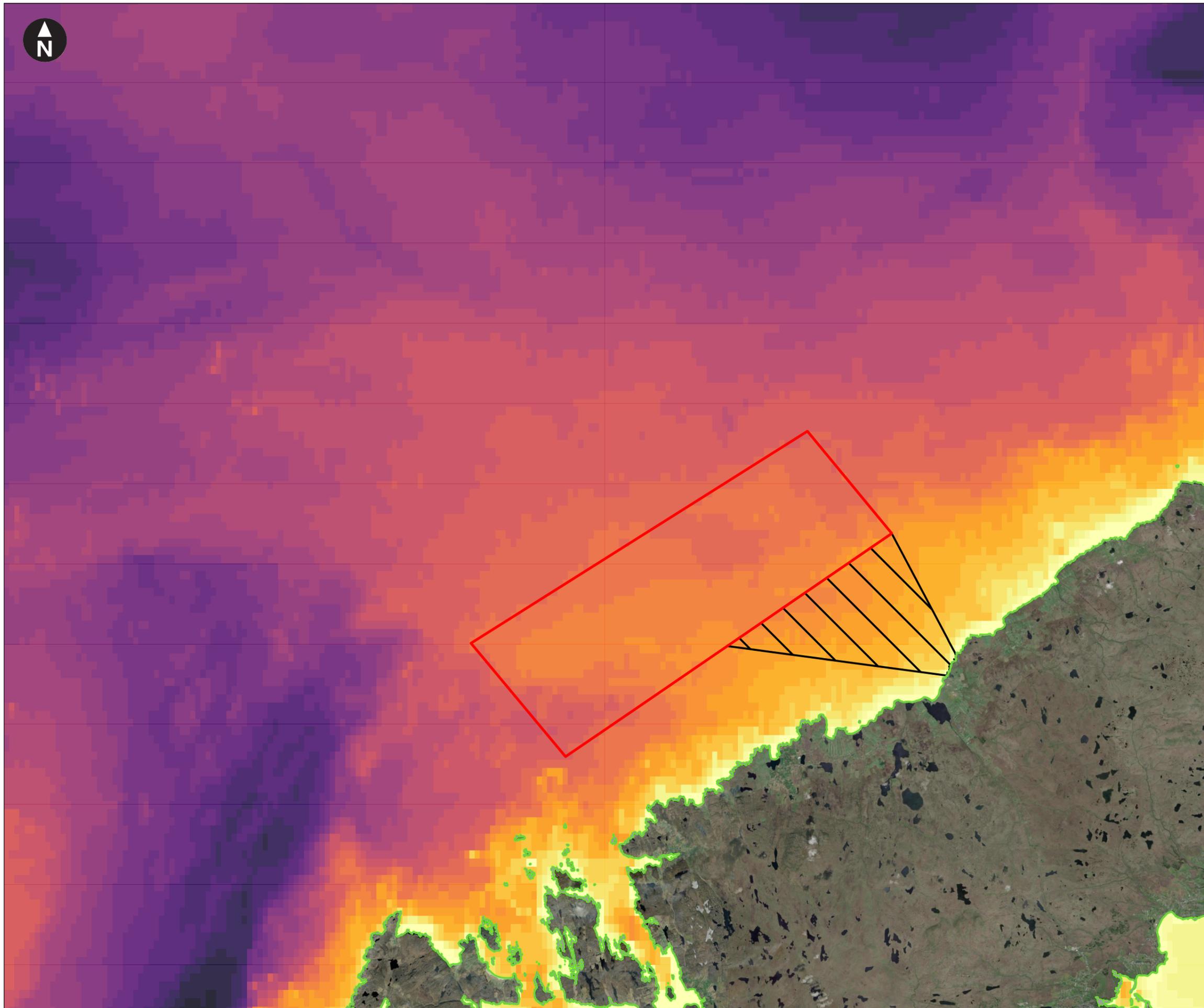


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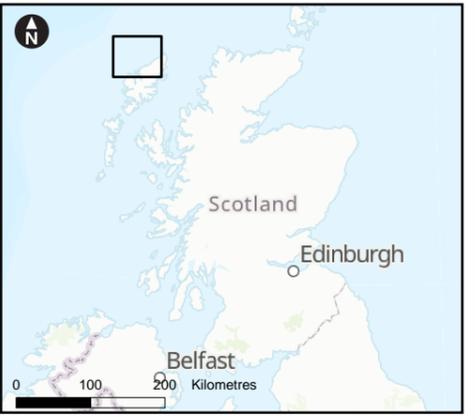
Figure 9-2
Designated Sites of Geological Interest
relative to the Zone of Influence

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Key

Array Area	-80 - -74
Offshore Cable Area of Search	-74 - -69
OSM 2020 Coastline	-69 - -63
EMODnet Bathymetry (mOD)	
-145 - -139	-63 - -58
-139 - -134	-58 - -53
-134 - -128	-53 - -47
-128 - -123	-47 - -42
-123 - -118	-42 - -36
-118 - -112	-36 - -31
-112 - -107	-31 - -26
-107 - -101	-26 - -20
-101 - -96	-20 - -15
-96 - -91	-15 - -9
-91 - -85	-9 - -4
-85 - -80	> -4



0 2 4 6 8 Kilometres

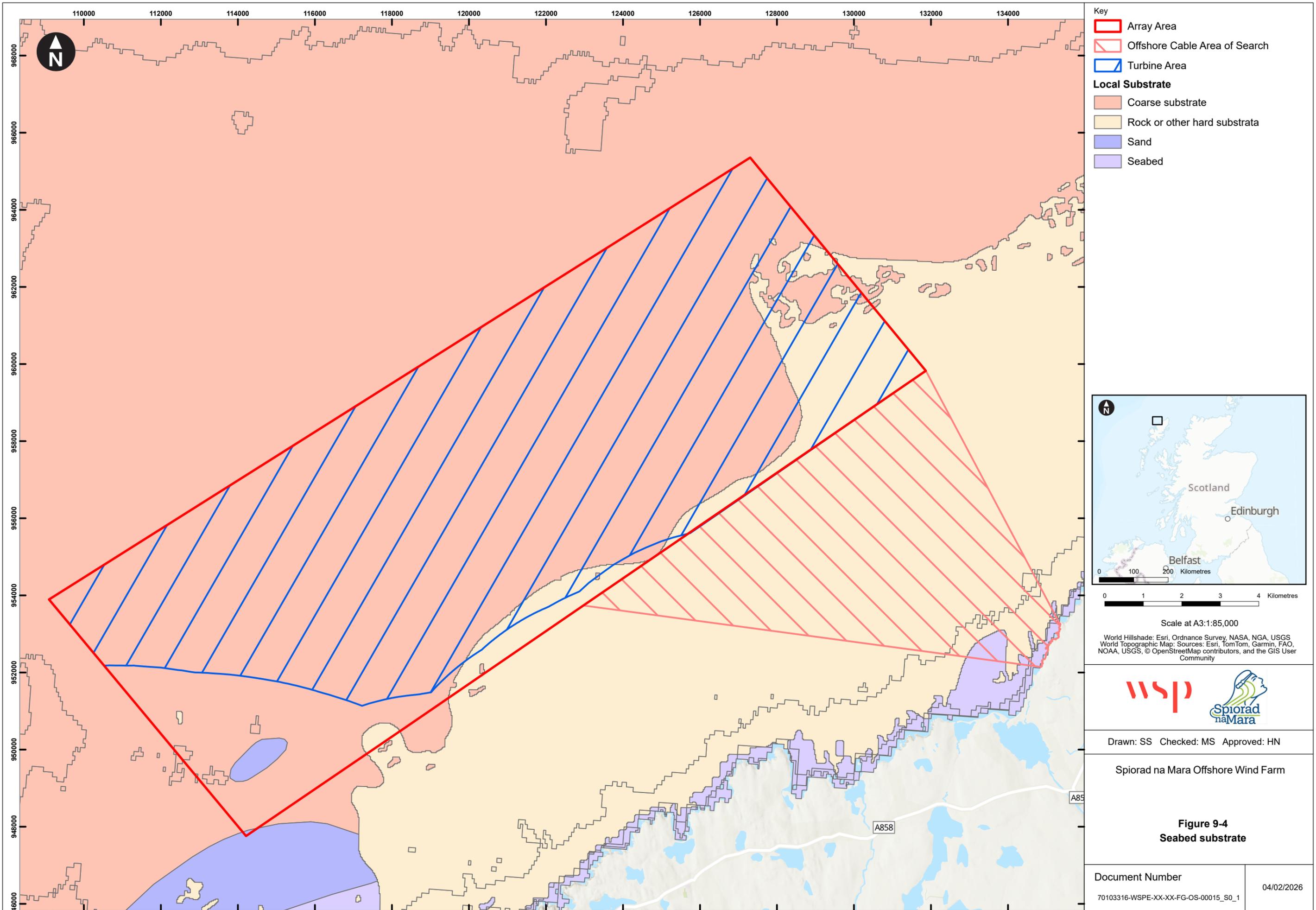
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Figure 9-3
Site bathymetry



- Key**
- Array Area
 - Offshore Cable Area of Search
 - Turbine Area
- Local Substrate**
- Coarse substrate
 - Rock or other hard substrata
 - Sand
 - Seabed



0 1 2 3 4 Kilometres

Scale at A3:1:85,000

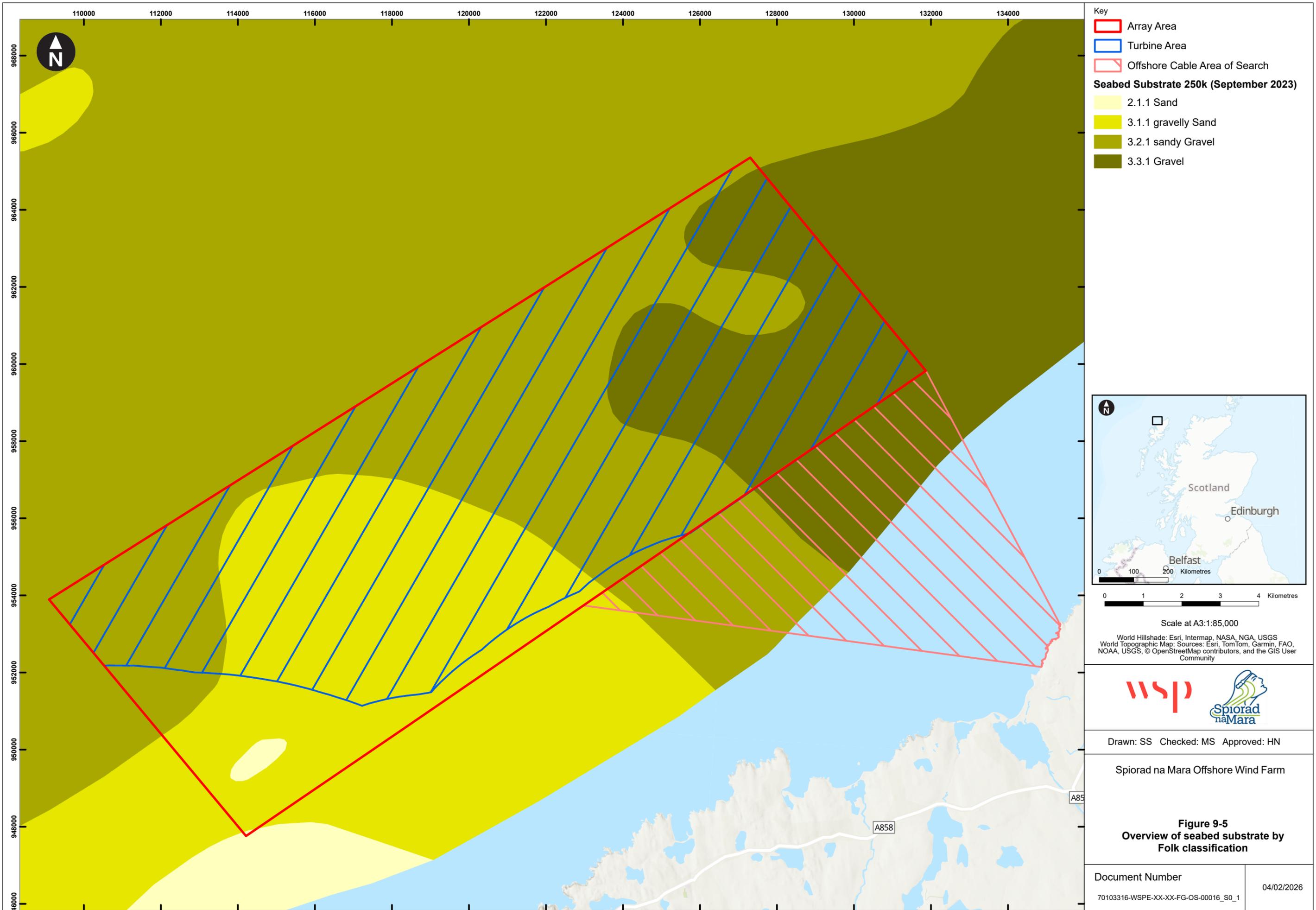
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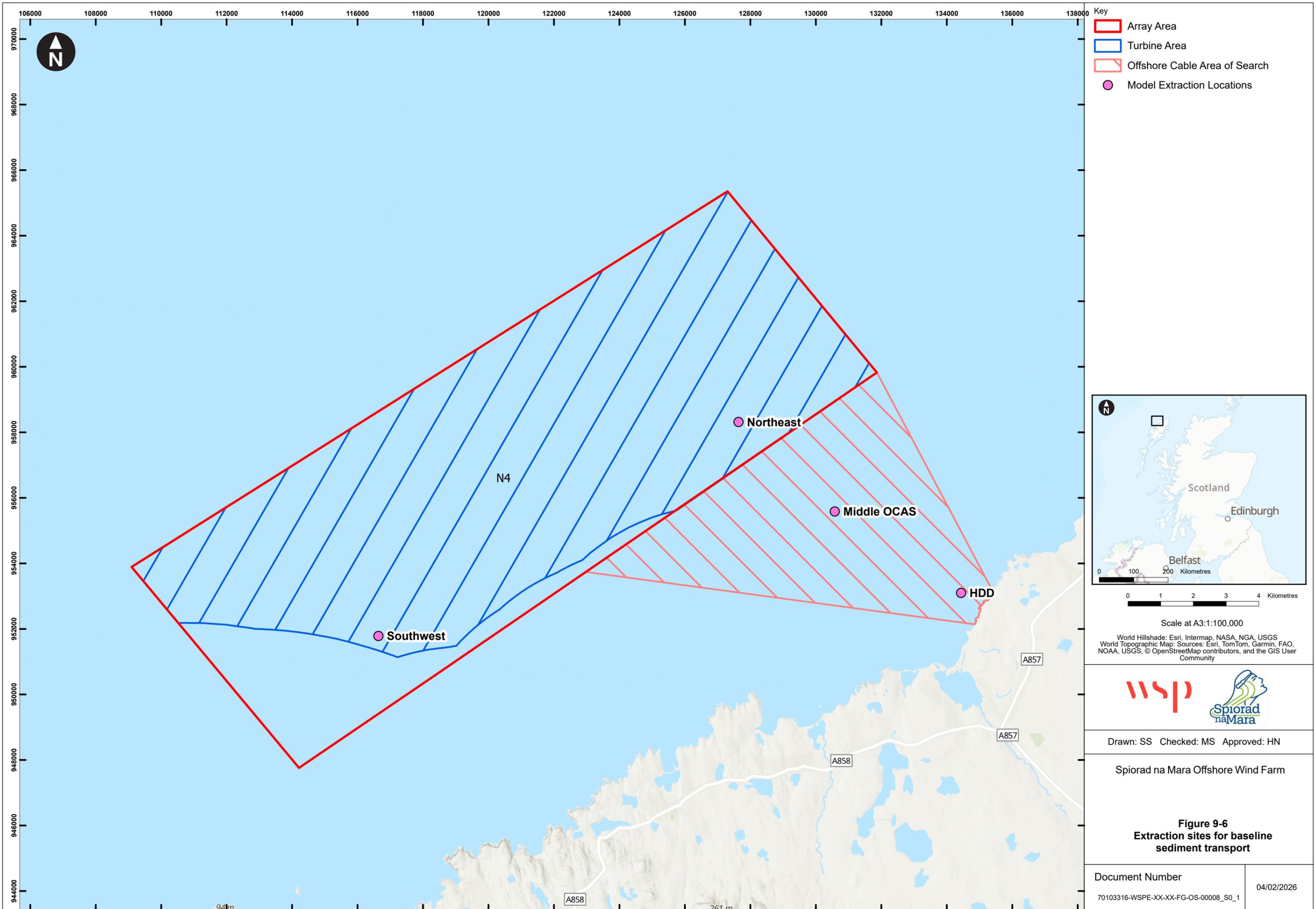


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Figure 9-4
Seabed substrate

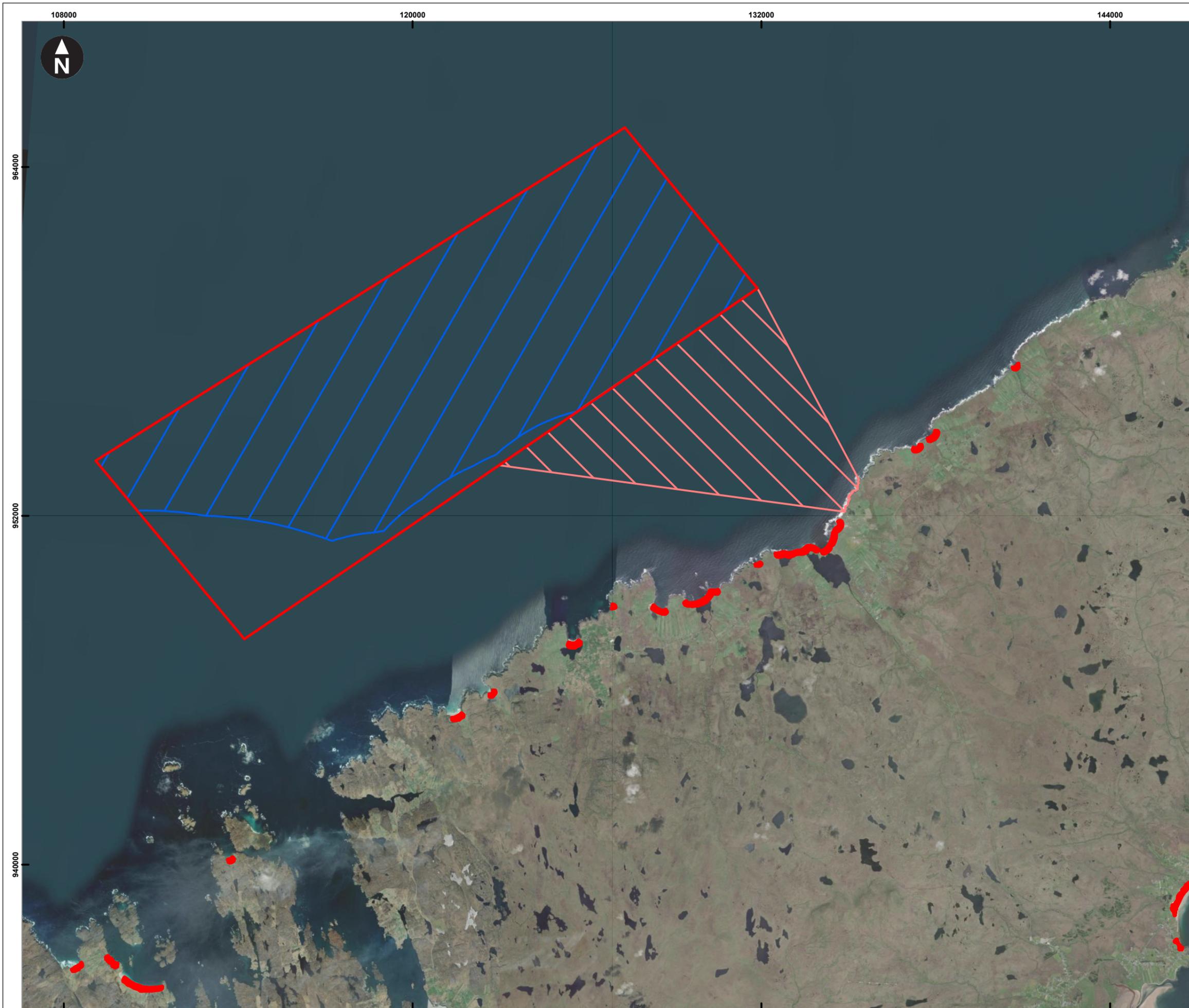




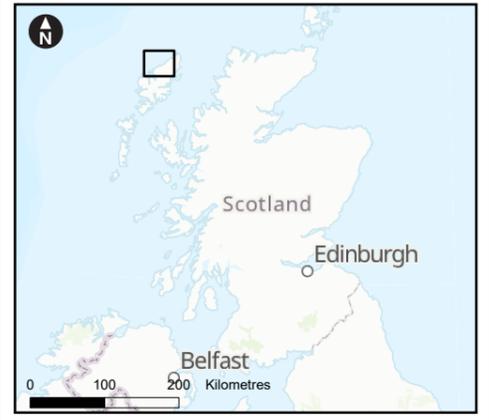
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Figure 9-6
Extraction sites for baseline sediment transport



- Key
-  Array Area
 -  Turbine Area
 -  Offshore Cable Area of Search
 -  Future Erosion 2100 High Emissions Scenario



0 1 2 3 4 Kilometres

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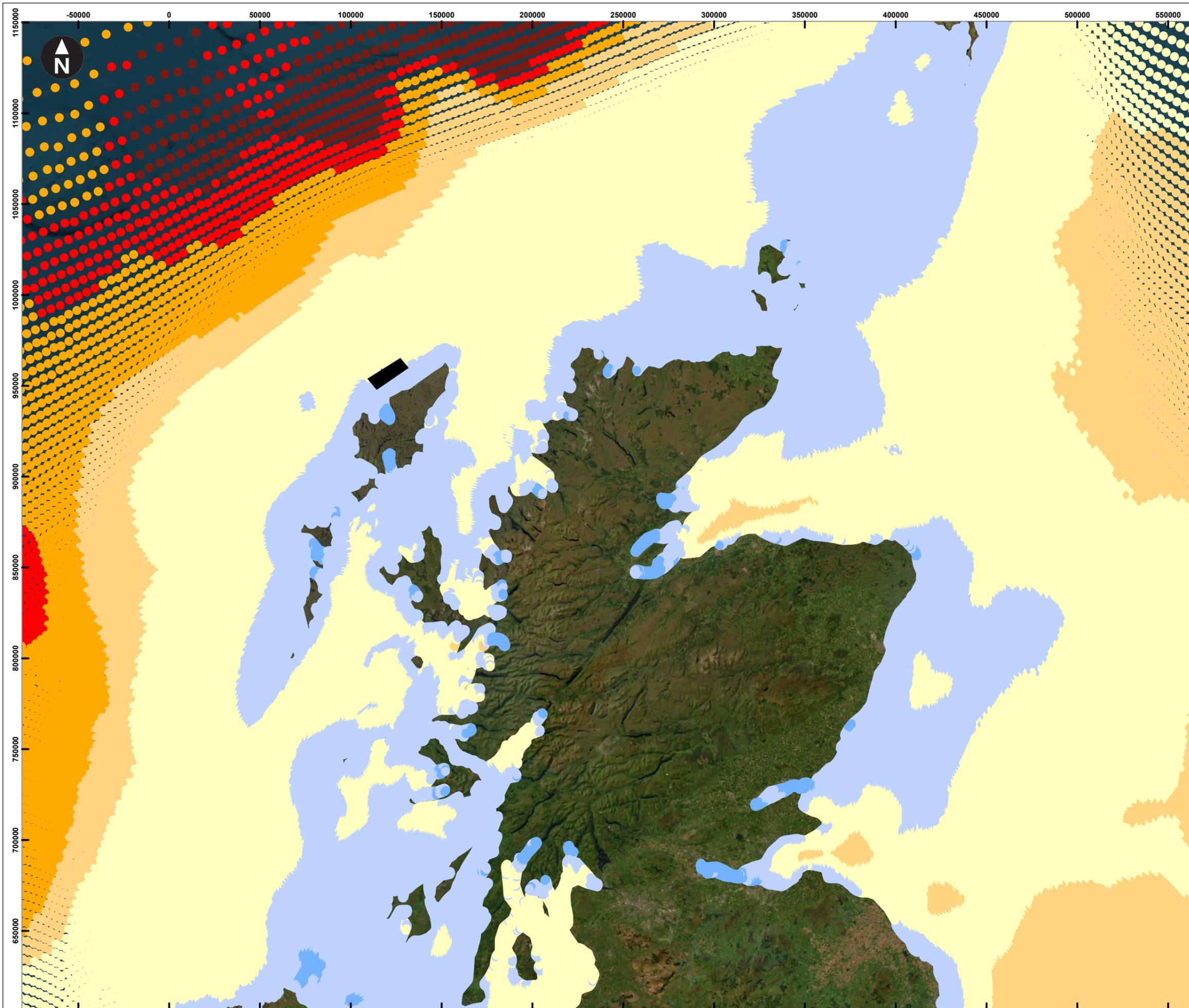
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Figure 9-7
Dynamic Coast 2 prediction of
coastal erosion susceptibility for the
2100 Future Emission Scenario



Key

■ Array Area

Average Temperature Difference (Degrees)

- -1.5 - -0.5
- -0.5 - 0
- 0 - 0.5
- 0.5 - 2
- 2 - 4
- 4 - 6
- 6 - 8
- 8 - 10



0 20 40 60 80 Kilometres

Scale at A3:1:2,000,000

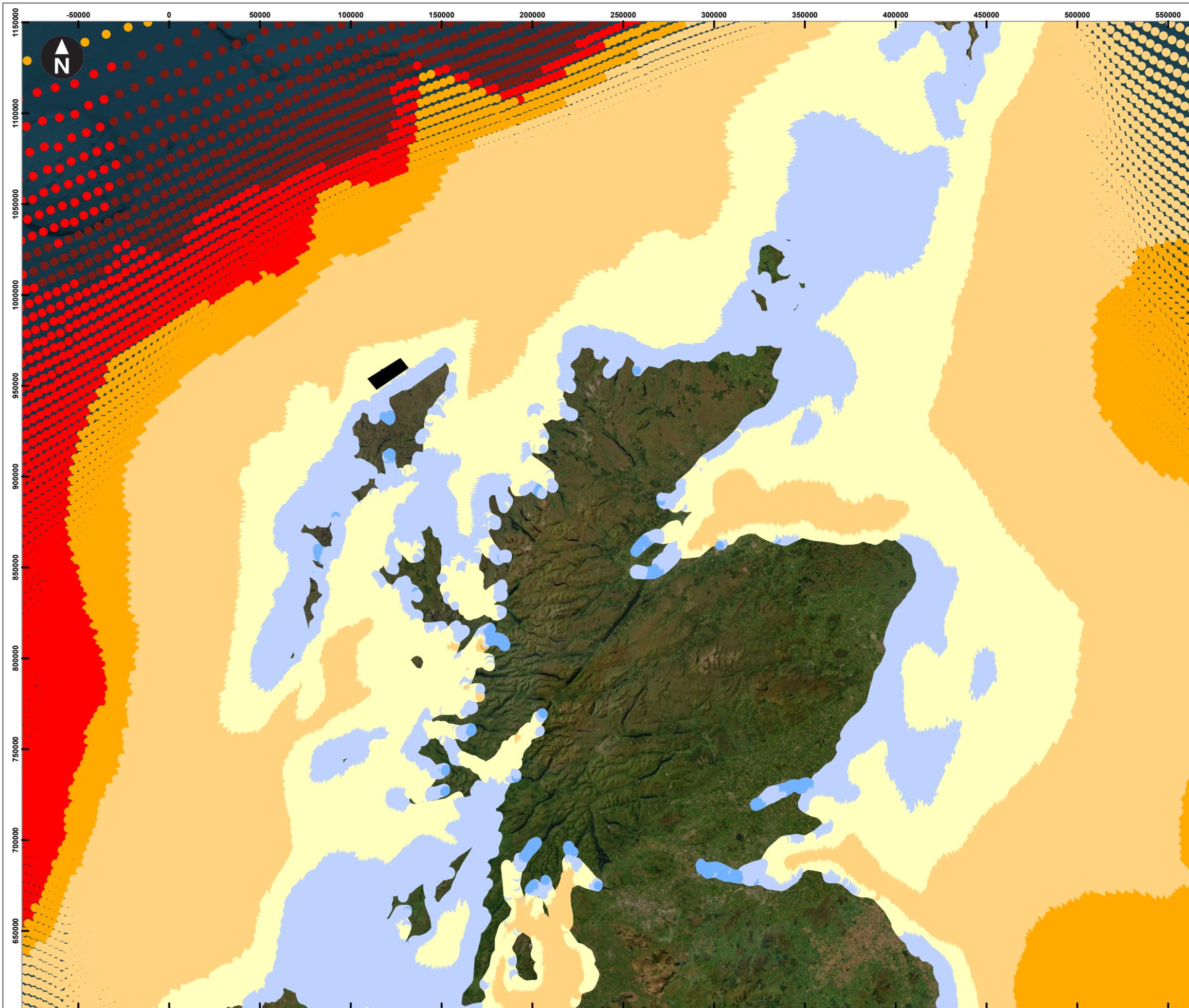
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Figure 9-8
Difference between surface and bed temperature in May



Key

■ Array Area

Average Temperature Difference (Degrees)

- -1.5 - -0.5
- -0.5 - 0
- 0 - 0.5
- 0.5 - 2
- 2 - 4
- 4 - 6
- 6 - 8
- 8 - 10



0 20 40 60 80 Kilometres

Scale at A3:1:2,000,000

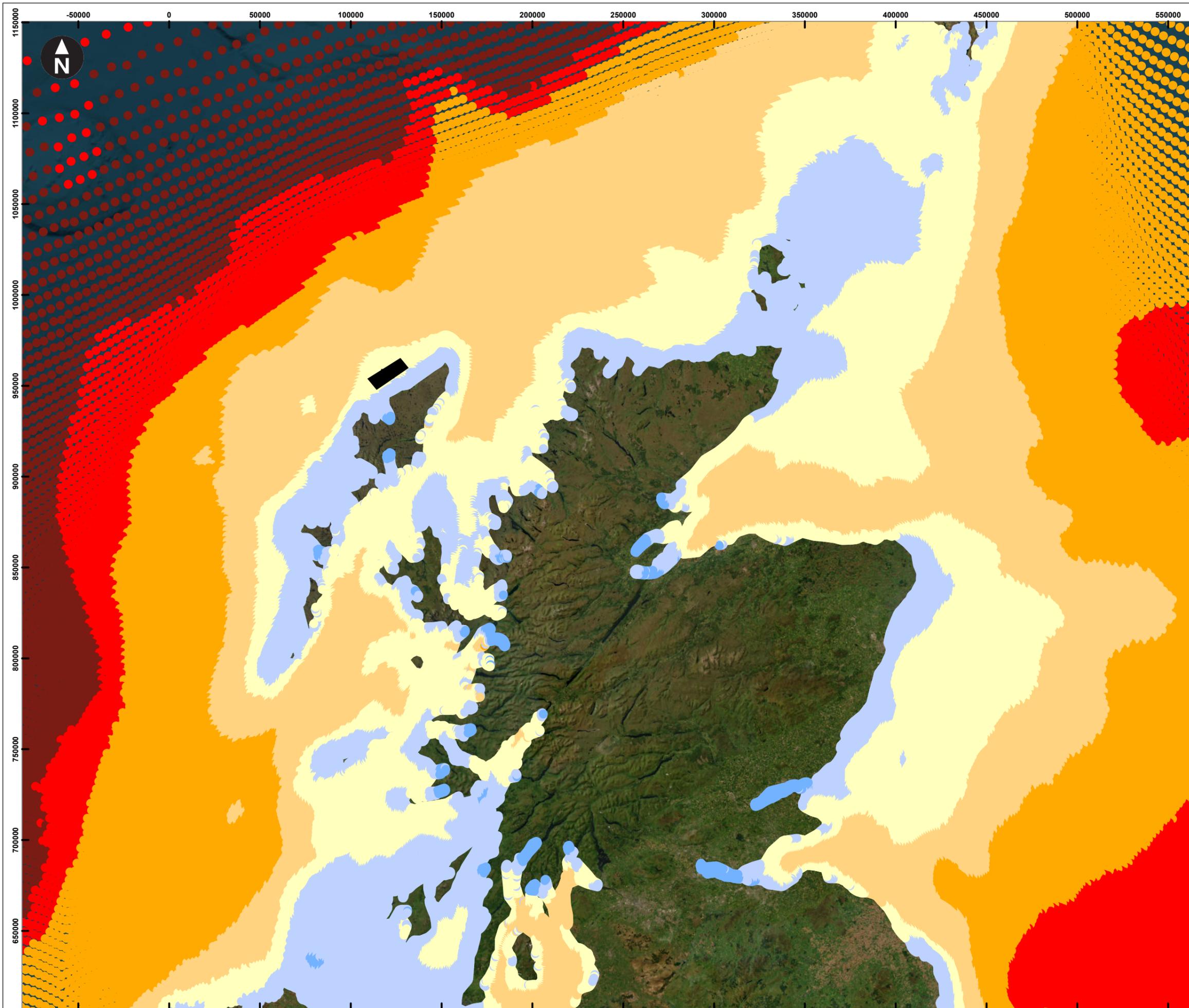
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Figure 9-9
Difference between surface and bed temperature in June



Key

■ Array Area

Average Temperature Difference (Degrees)

- -1.5 - -0.5
- -0.5 - 0
- 0 - 0.5
- 0.5 - 2
- 2 - 4
- 4 - 6
- 6 - 8
- 8 - 10



0 20 40 60 80 Kilometres

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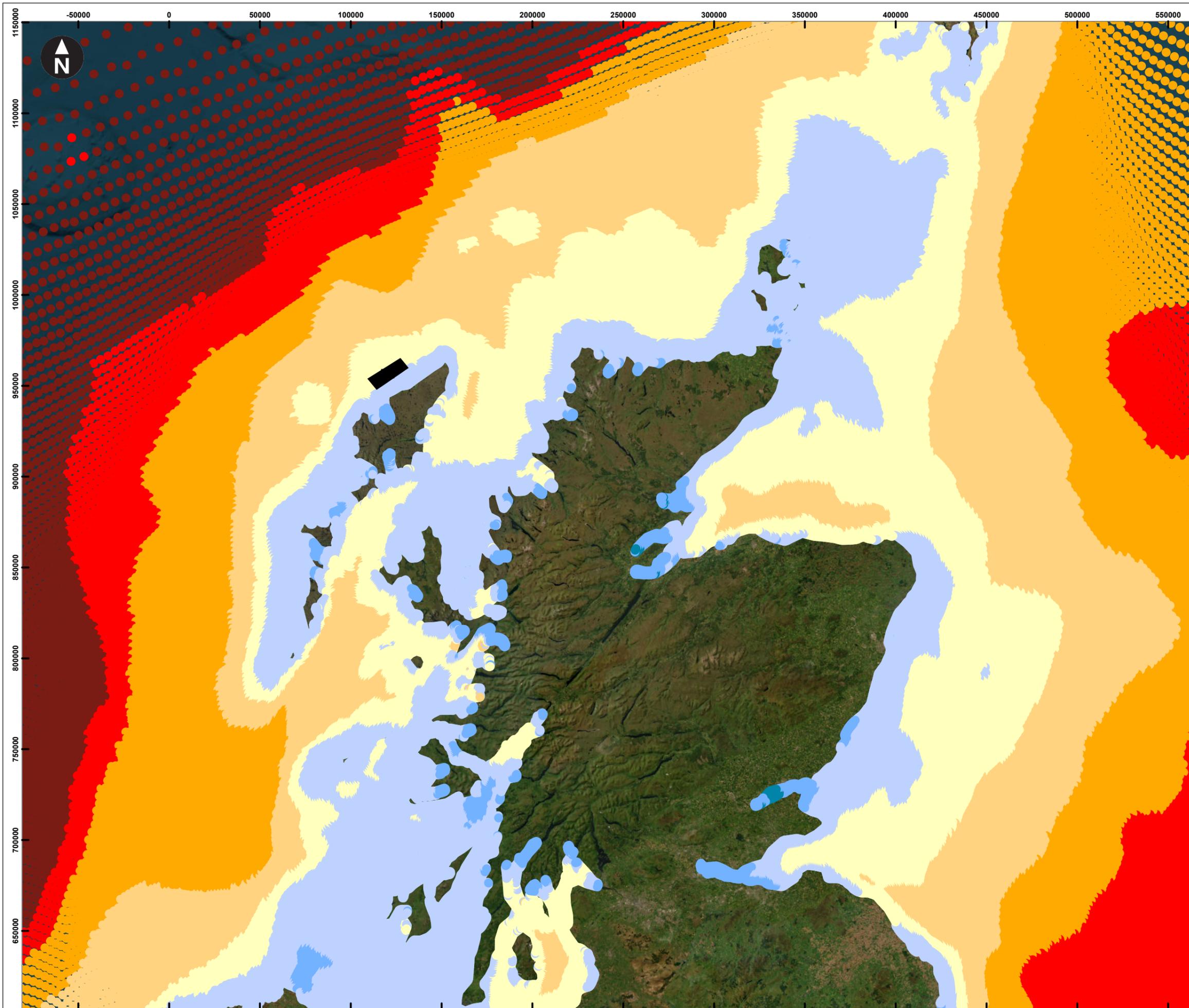
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Figure 9-10
Difference between surface and bed temperature in July



Key

■ Array Area

Average Temperature Difference (Degrees)

- -1.5 - -0.5
- -0.5 - 0
- 0 - 0.5
- 0.5 - 2
- 2 - 4
- 4 - 6
- 6 - 8
- 8 - 10



0 20 40 60 80 Kilometres

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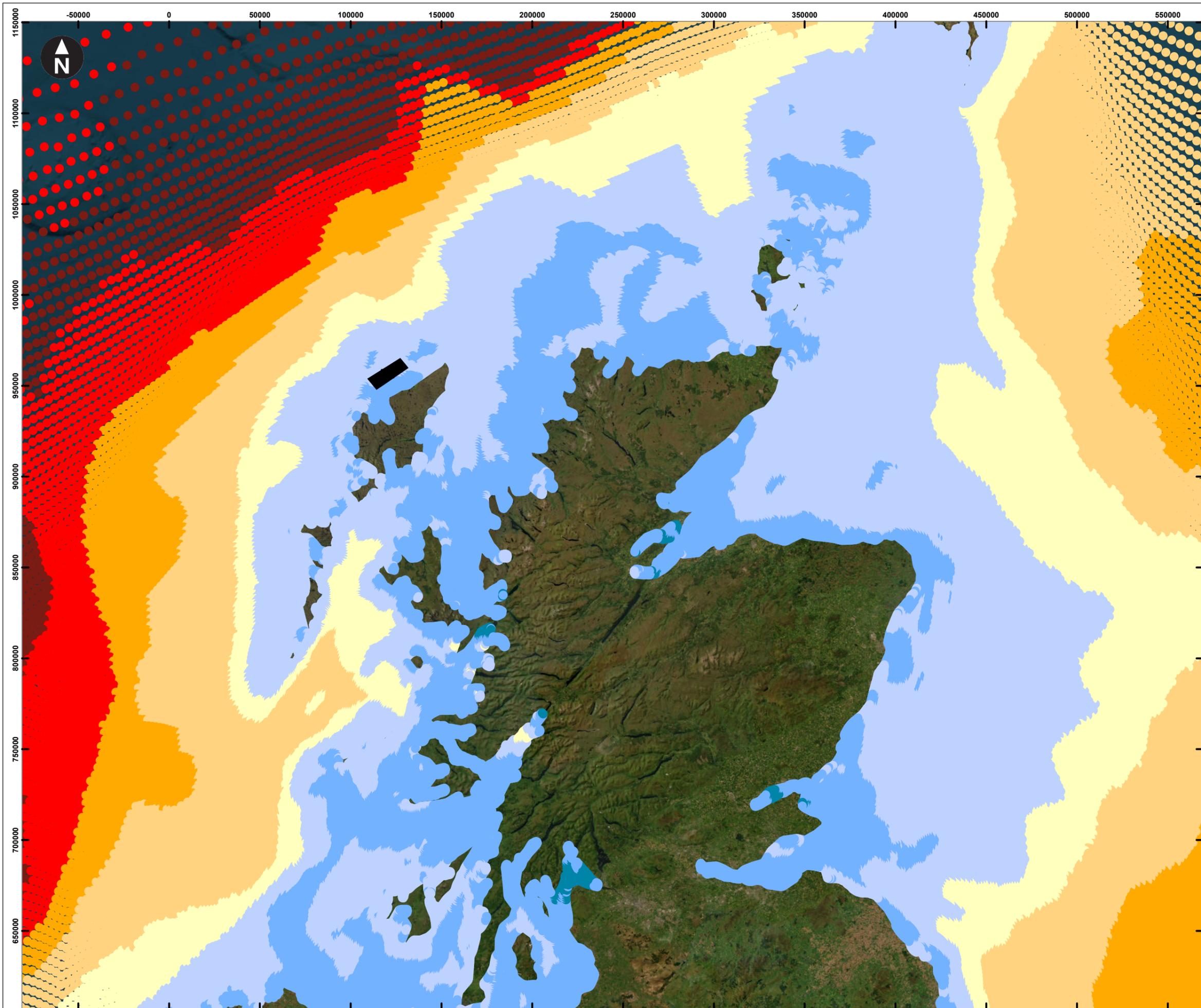
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Figure 9-11
Difference between surface and bed temperature in August



Key

■ Array Area

Average Temperature Difference (Degrees)

- -1.5 - -0.5
- -0.5 - 0
- 0 - 0.5
- 0.5 - 2
- 2 - 4
- 4 - 6
- 6 - 8
- 8 - 10



0 20 40 60 80 Kilometres

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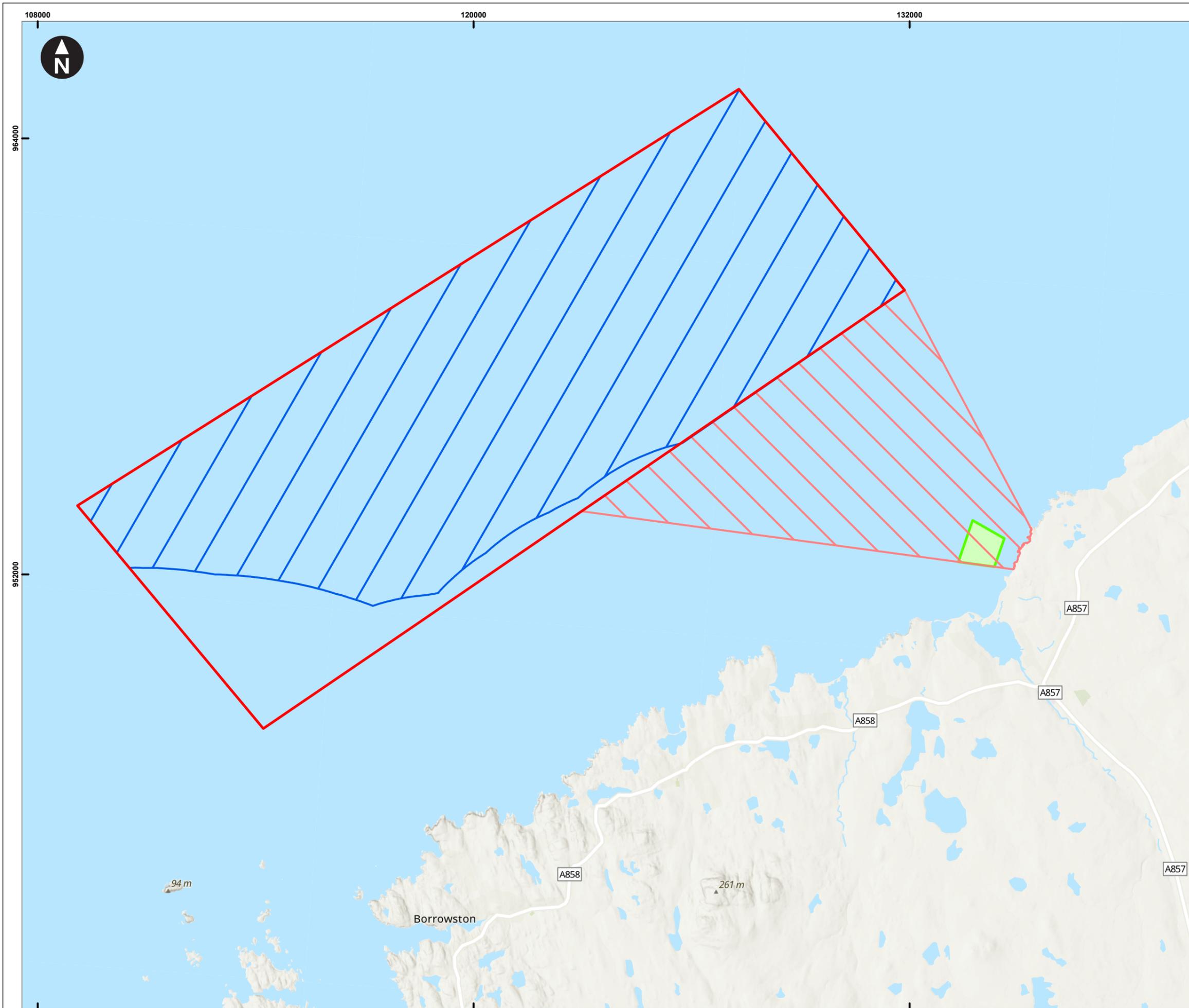
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Figure 9-12
Difference between surface and bed temperature in September



Key

- Array Area
- Turbine Area
- Offshore Cable Area of Search
- Landfall Exit Pit Area



Scale at A3:1:100,000
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Figure 9-13
Location of Landfall Exit Pit Area

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