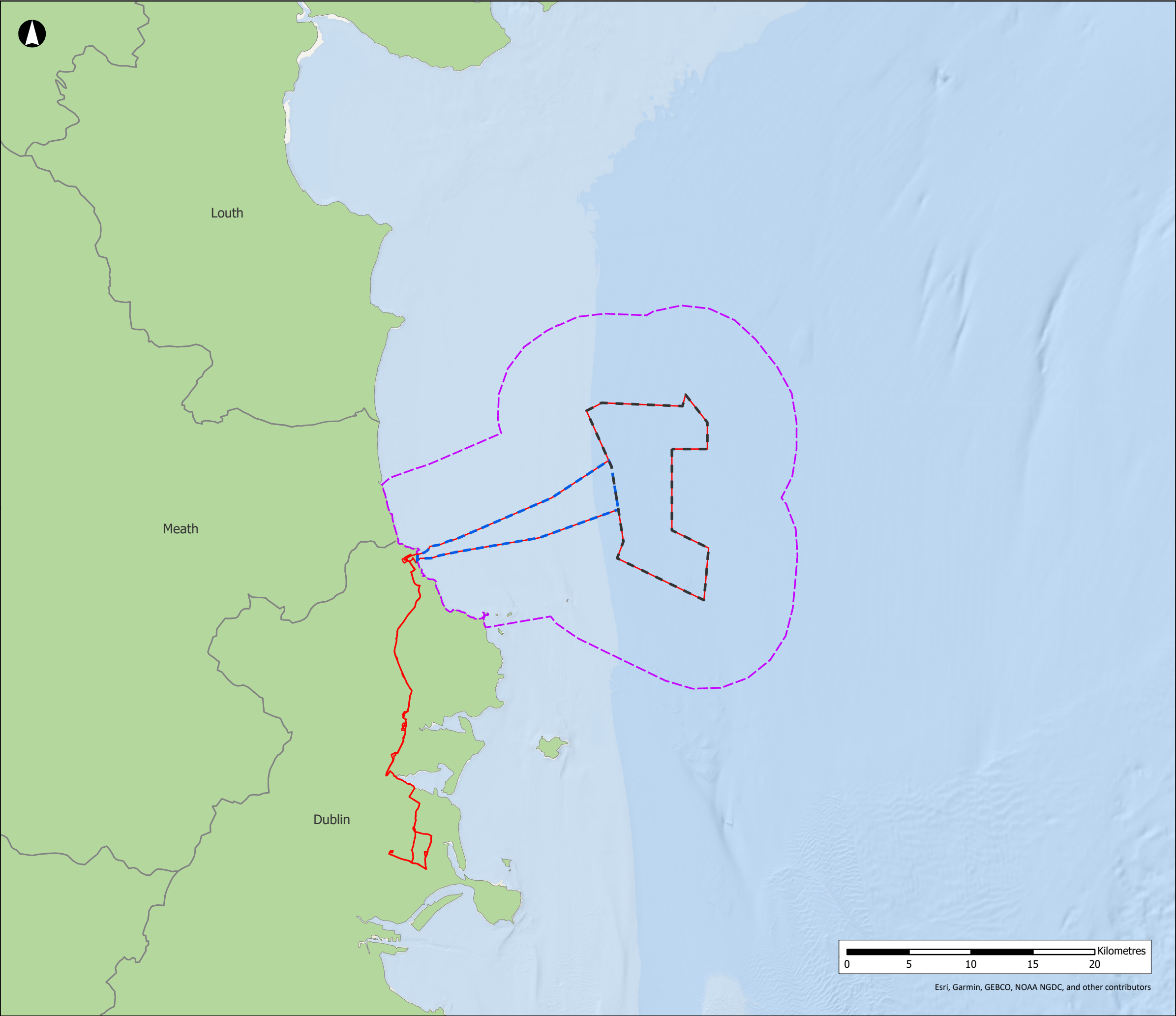


Volume 7A: Figures

Figures for Chapter 11 Marine Water and Sediment Quality



Proposed Development Boundary

Array Area

Offshore Export Cable Corridor

Zone of Influence

NISA

North Irish Sea Array

ARUP

GoBe

Project

North Irish Sea Array Offshore Wind Farm

Figure Title

Overview of the Study Area for Marine Water and Sediment Quality

Job No: 281240

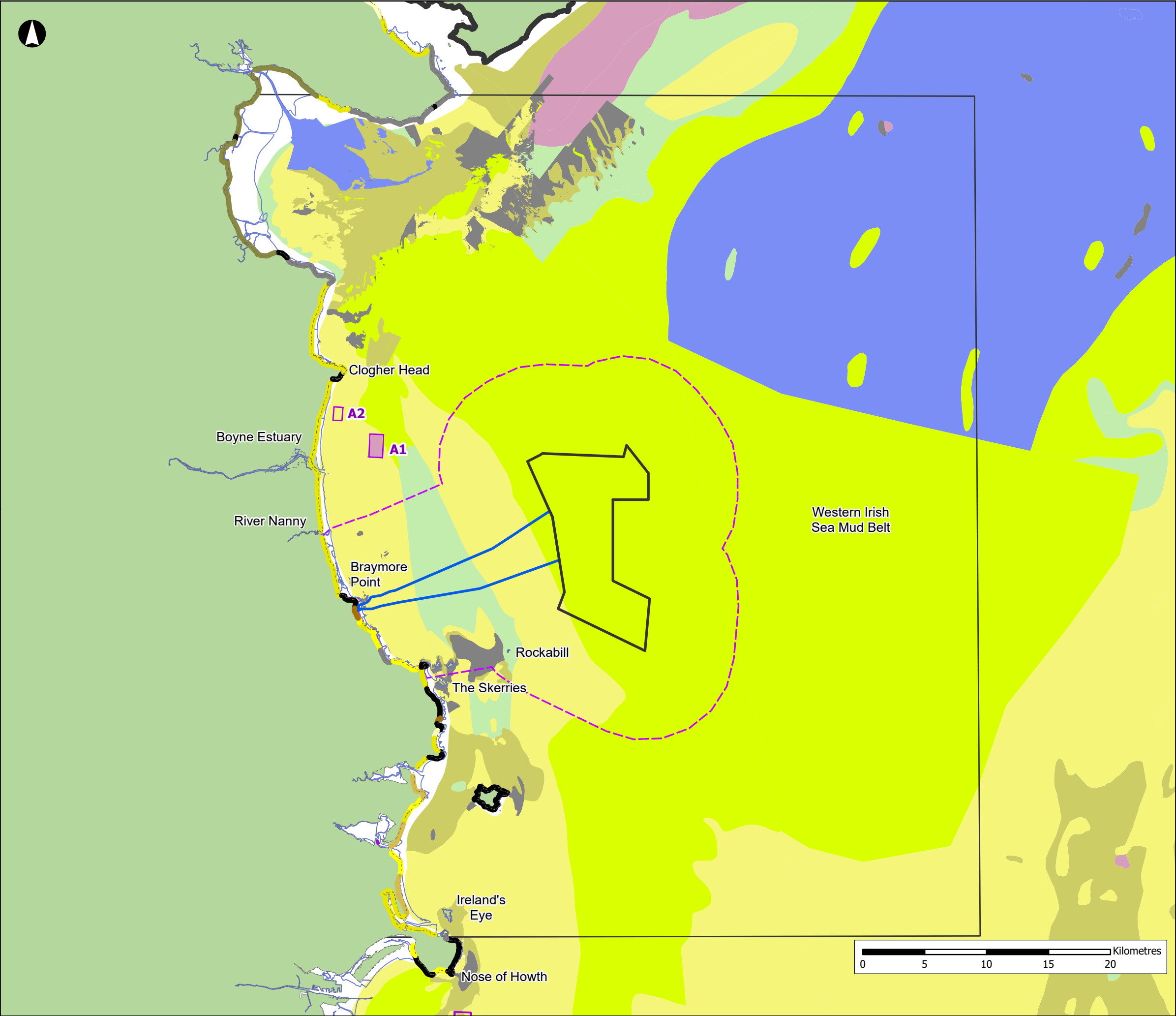
Date: May 2024

Scale: 1:300,000 @A3

Status: Issue

Datum: WGS84 Projection: UTM30N

Figure No: 11.1



Array Area

Offshore Export Cable Corridor

Zone of Influence

Study Area

Low Water Mark

High Water Mark

Disposal At Sea Sites (Active)

Coastal Types (EMODnet):

Beach that is part of extensive non-cohesive sedimentary systems (barrier, spit, tombolo)

Beach with rocky platform

Erodible rock and/or cliff, with rock waste and sediments (sand or pebbles) at its base

Erosion-resistant rock and/or cliff, without loose eroded material in the fronting sea

Gravel beach fronting upland (> 1 km long)

Muddy coastline, including tidal flat, salt marsh

Pocket beaches (< 200 m long)

Sand beach fronting upland (> 1 km long)

Small beaches

Sediment Classification

Folk-7

The ternary diagram shows the distribution of sediment types based on the Folk-7 classification. The vertices represent 100% Gravel, 100% Mixed sediment, and 100% Coarse substrate. The diagram is divided into four regions: Mud (bottom left), sandy Mud (bottom middle), muddy Sand (bottom right), and Sand (top right). The percentages for each region are: Mud (5%), sandy Mud (30%), muddy Sand (80%), and Sand (100%). The ratios for each region are: Mud (1:9), sandy Mud (1:1), muddy Sand (9:1), and Sand (9:1).

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Figure Title

Seabed Substrate Classification, Folk 5, from EMODnet Data

Job No: 281240

Date: May 2024

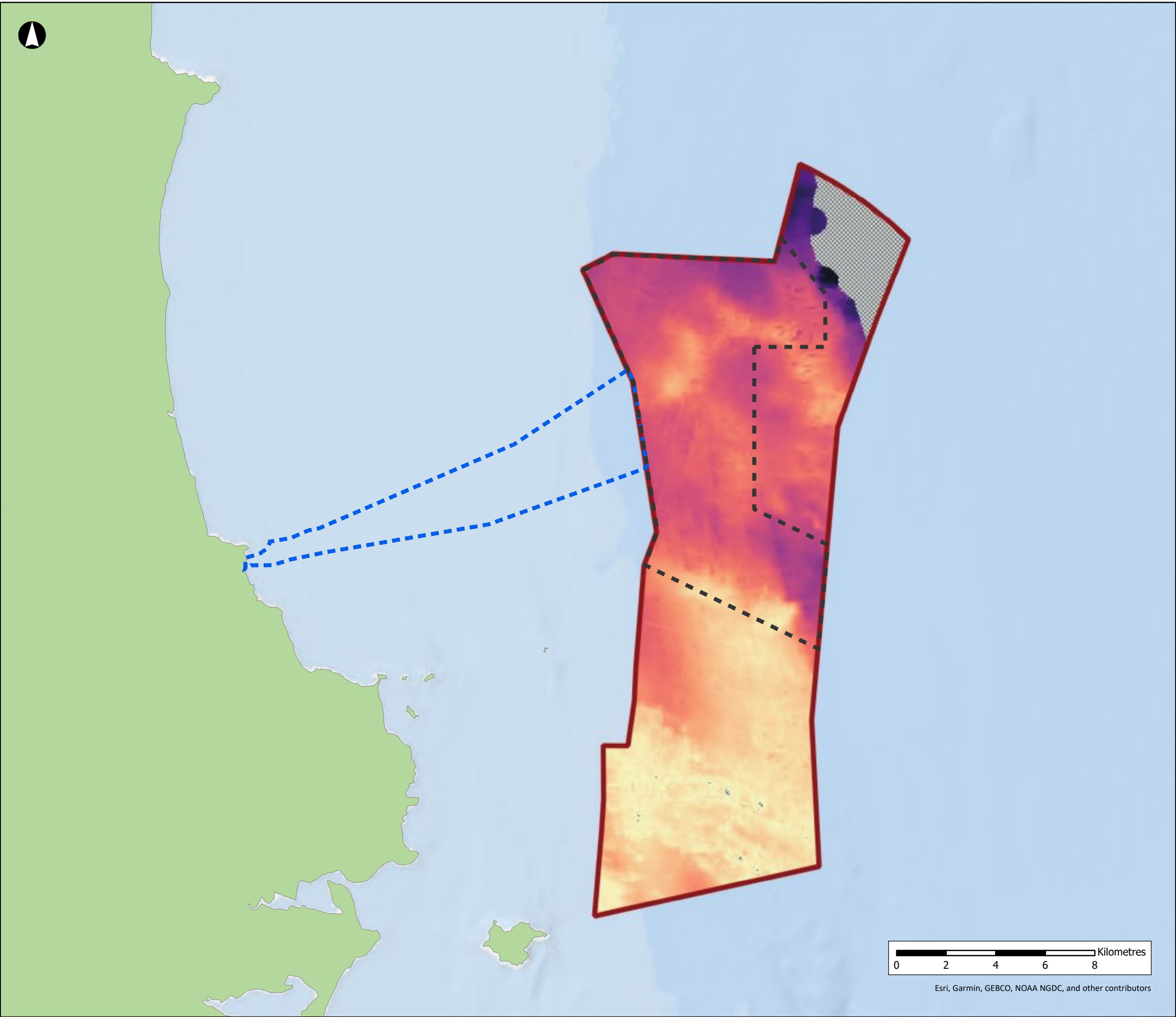
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Status: Issue

Datum: WGS84 **Projection:** UTM30N

Figure No:

11.2



- Array Area
- Offshore Export Cable Corridor
- Area Assessed Within Geophysical Interpretation Report
- Horizon Not Interpreted

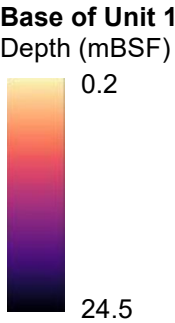


Figure adapted from Geophysical Interpretation Report 2020, (Figure 8-26, p90, REF: 20062-000-00)

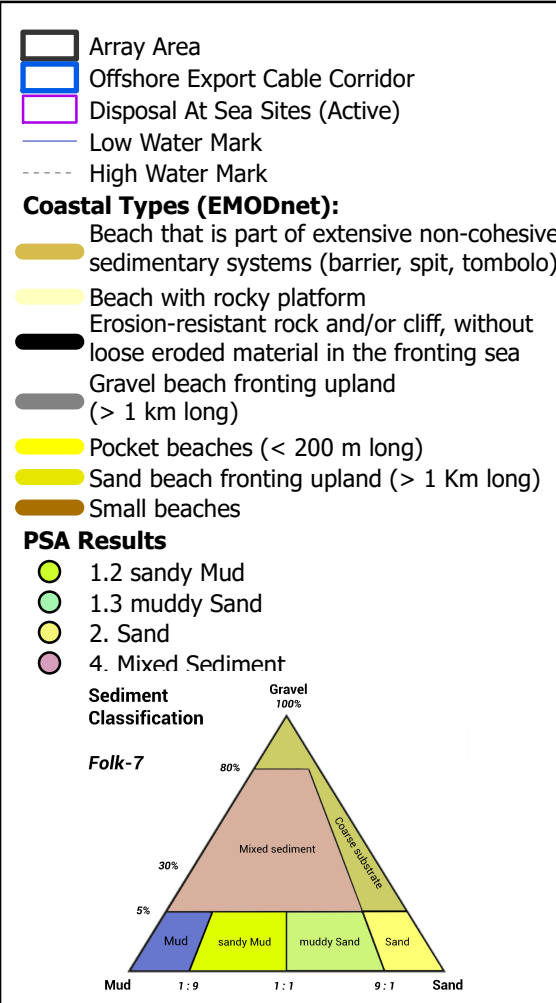
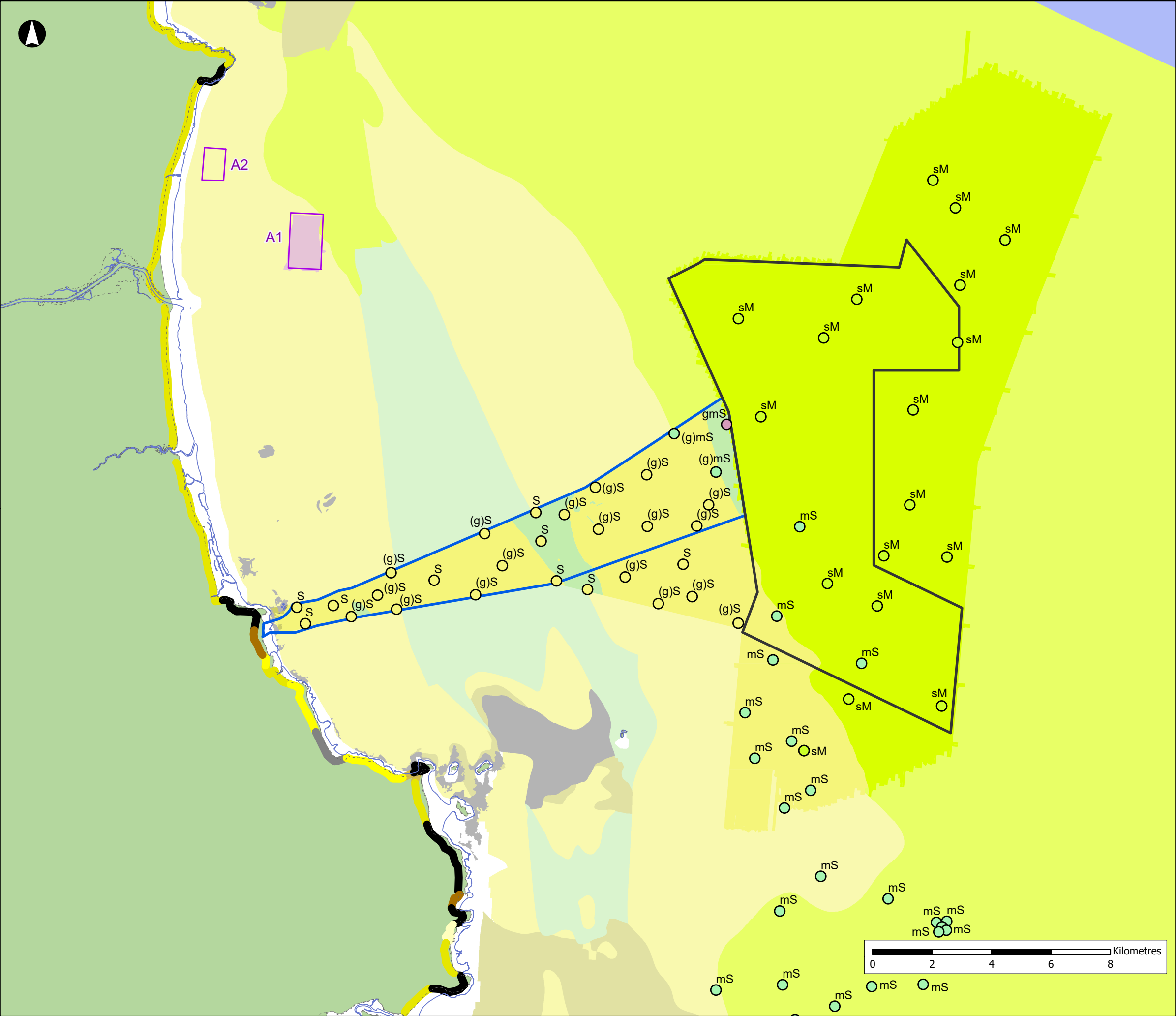
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Figure Title
**Depth of Unit 1
(Unconsolidated, Fine-grained
Holocene Clays and Silts) within
the Array Area (source: Figure
8-26 from Statkraft Geophysical
Interpretation Report 2020)**

Job No: 281240	Datum: WGS84 Projection: UTM30N
Date: May 2024	Figure No: 11.3
Scale: 1:150,000 @A3	
Status: Issue	



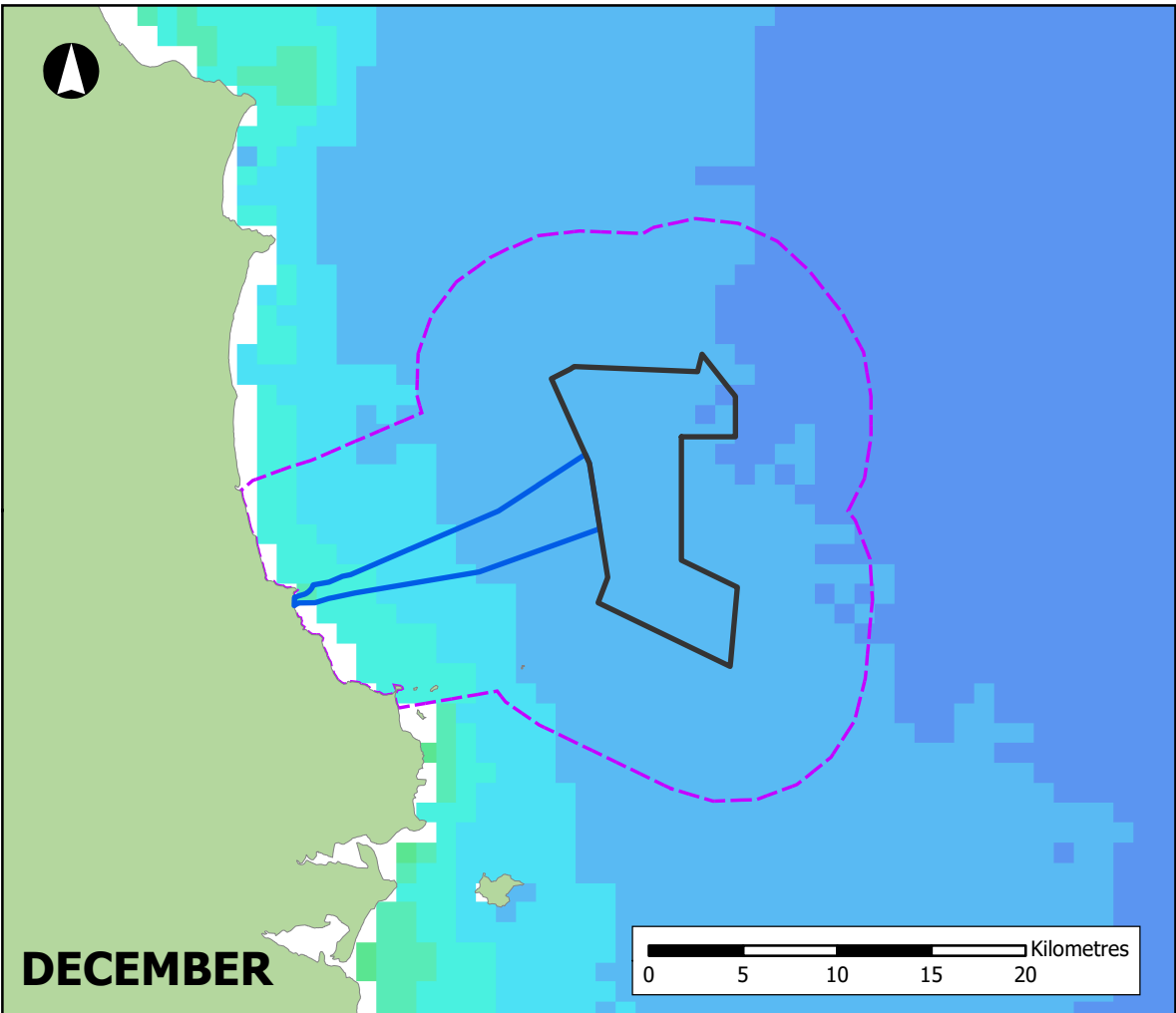
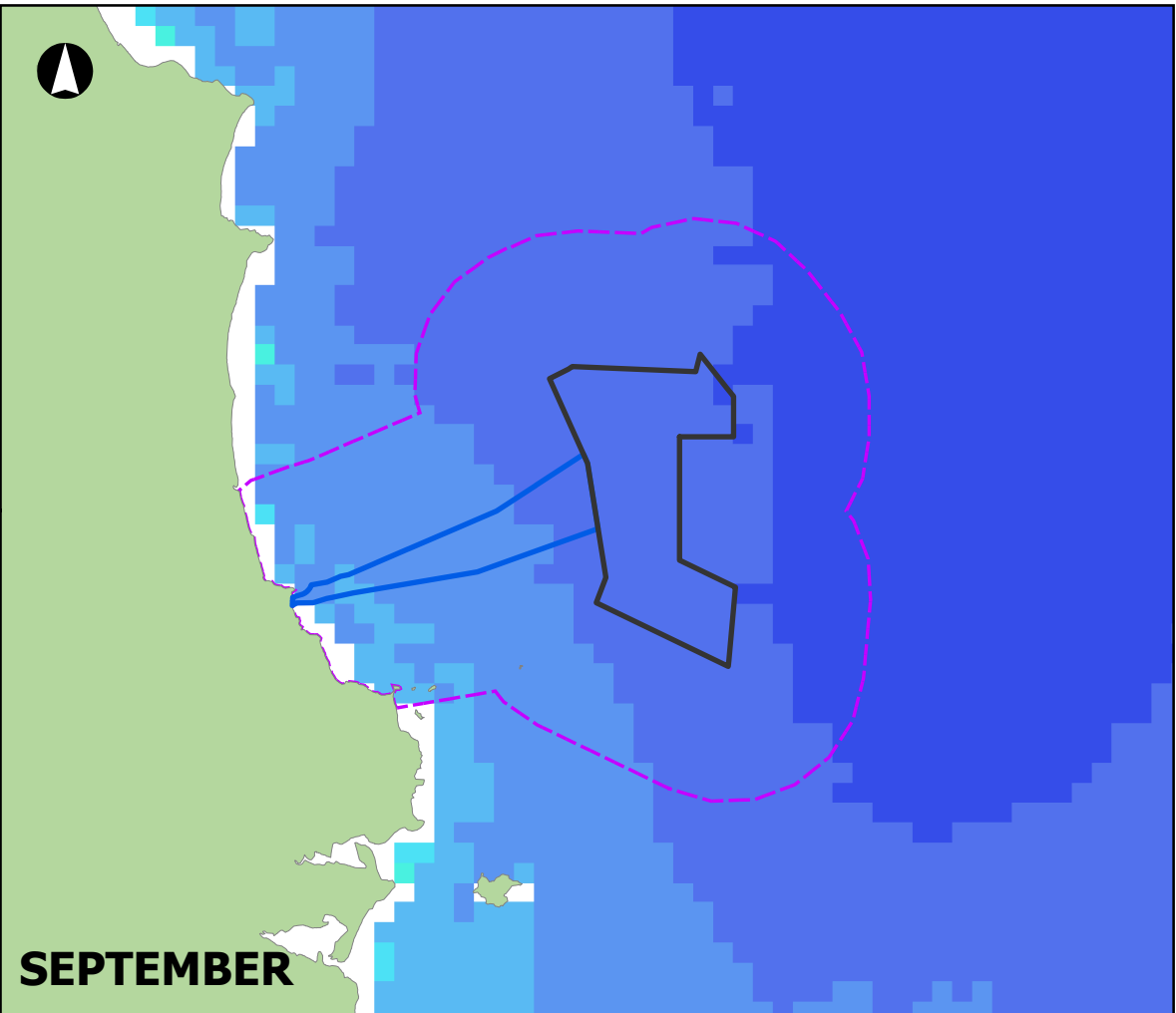
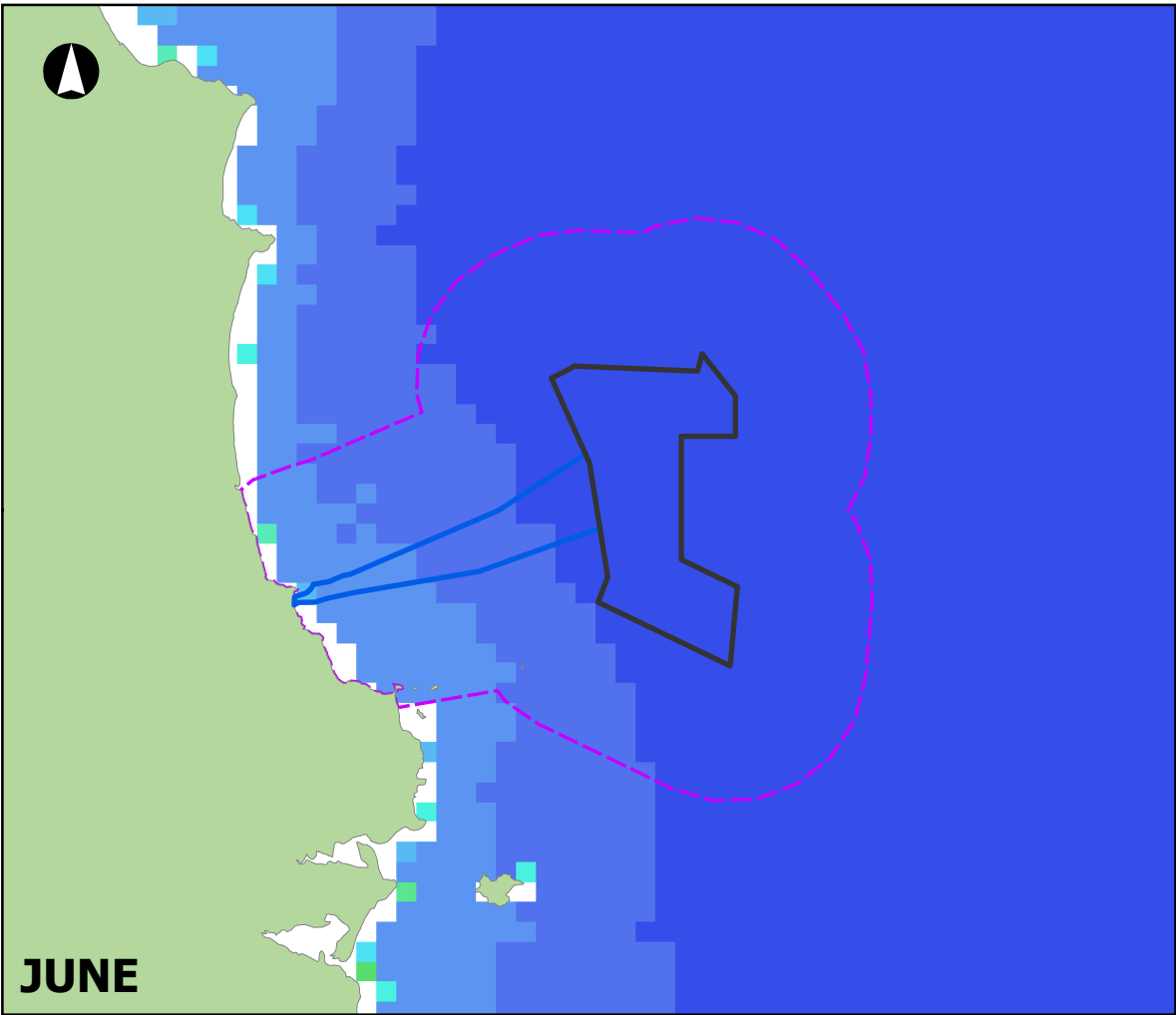
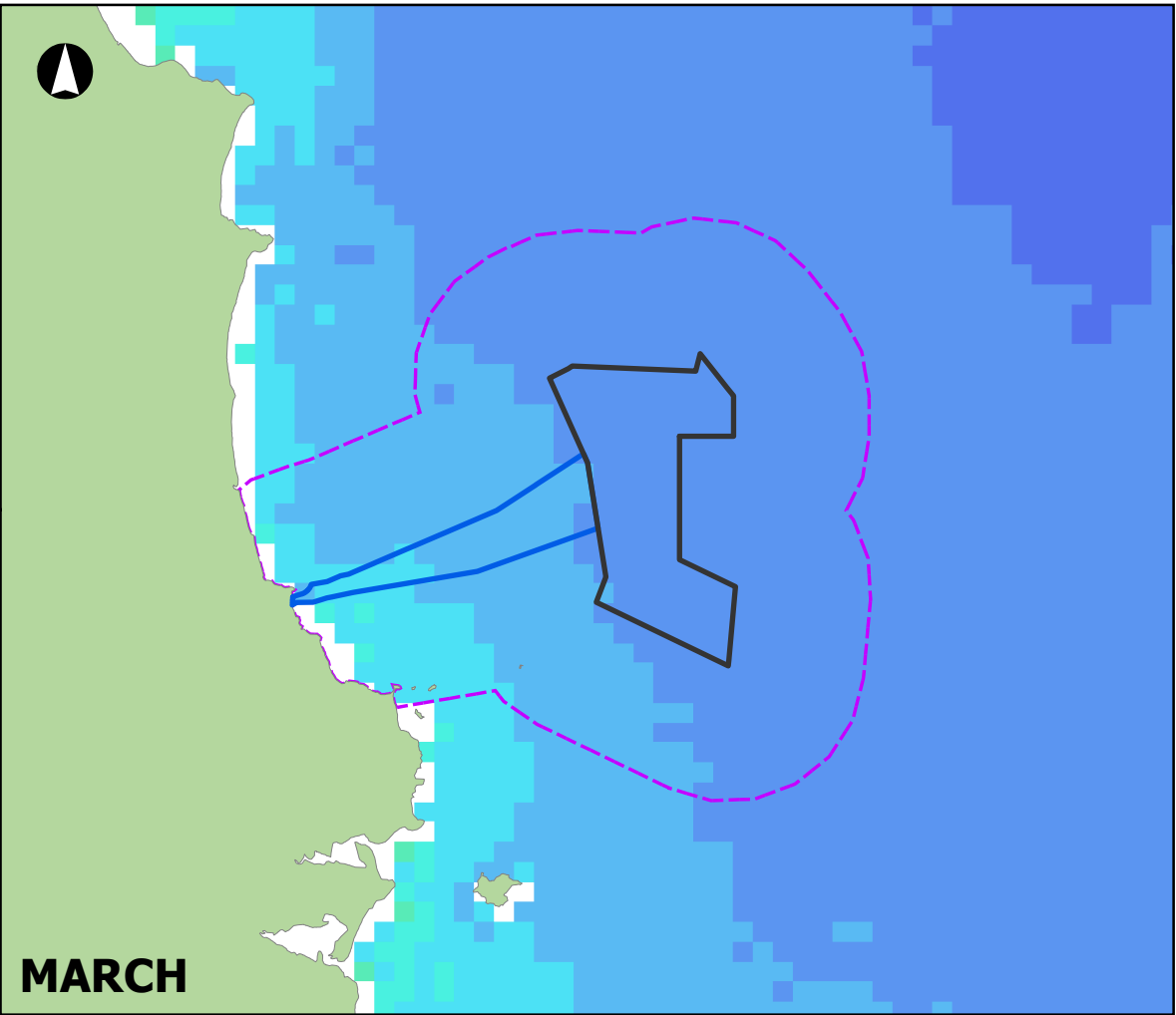
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Figure Title
**Location of Sediment Samples
within the Array Area**

Job No: 281240	Datum: WGS84 Projection: UTM30N
Date: May 2024	Figure No:
Scale: 1:125,000 @A3	11.4
Status: Issue	



Array Area

Offshore Export Cable Corridor

Zone of Influence

Suspended Particulate Matter (Cefas)
Monthly Mean (mg/l) (1998-2015)

0.085 - 0.97

0.97 - 2

2 - 4

4 - 6

6 - 8

8 - 10

10 - 12

12 - 14

14 - 16

>16

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Figure Title

Suspended Particulate Matter
Levels, as derived from Satellite
Data, for the Period 1998 to
2015, throughout the Year

Job No: 281240

Date: May 2024

Scale: 1:400,000 @A3

Status: Issue

Datum: WGS84 Projection: UTM30N

Figure No:

11.5

