

# Outer Dowsing Offshore Wind

## Environmental Statement

### Chapter 9 Benthic and Intertidal Ecology

#### Volume 2 Figures

Date: March 2024

Document Reference: 6.2.9

Pursuant to APFP Regulation: 5(2)(a)

Rev: 1.0



|  |  |   |                    |                   |                         |                    |
|--|--|---|--------------------|-------------------|-------------------------|--------------------|
| Company:   | <b>Outer Dowsing Offshore Wind</b>               | Asset:  | <b>Whole Asset</b> |                   |                         |                    |
| Project:   | <b>Whole Wind Farm</b>                           | Sub Project/Package:                          | Whole Asset        |                   |                         |                    |
| Document Title or Description:   | Chapter 9 Benthic and Intertidal Ecology Figures |   |                    |                   |                         |                    |
| Internal Document Number:  | PP1-ODOW-DEV-CS-FIG-0009                         | 3 <sup>rd</sup> Party Doc No (if applicable): | N/A                |                   |                         |                    |
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| <b>Rev No.</b>   | <b>Date</b>                                      | <b>Status / Reason for Issue</b>              | <b>Author</b>      | <b>Checked by</b> | <b>Reviewed by</b>      | <b>Approved by</b> |
| Rev 1.0  | March 2024                                       | DCO Application                               | GoBe               | GoBe              | Shepherd and Wedderburn | ODOW               |

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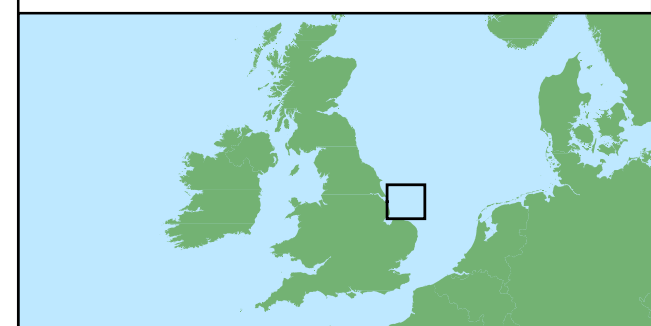
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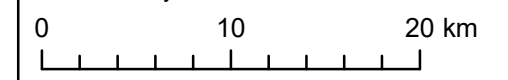


- Legend**
- Array Area
  - Offshore Export Cable Corridor
  - ORCP Area
  - Artificial Nesting Structure Area
  - Biogenic Reef Restoration Area
  - Benthic Subtidal Ecology Study Area
  - Intertidal Study Area

- Depth (m)**
- 0 - 10
  - 10 - 20
  - 20 - 30
  - 30 - 40
  - 40 - 50
  - 50 - 60
  - 60 - 70
  - 70 - 80
  - 80 - 90
  - 90 - 100



Coordinate System: WGS 1984 UTM Zone 31N



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Environmental Statement  
Project Benthic and Intertidal Ecology Study Area

Figure 9.1

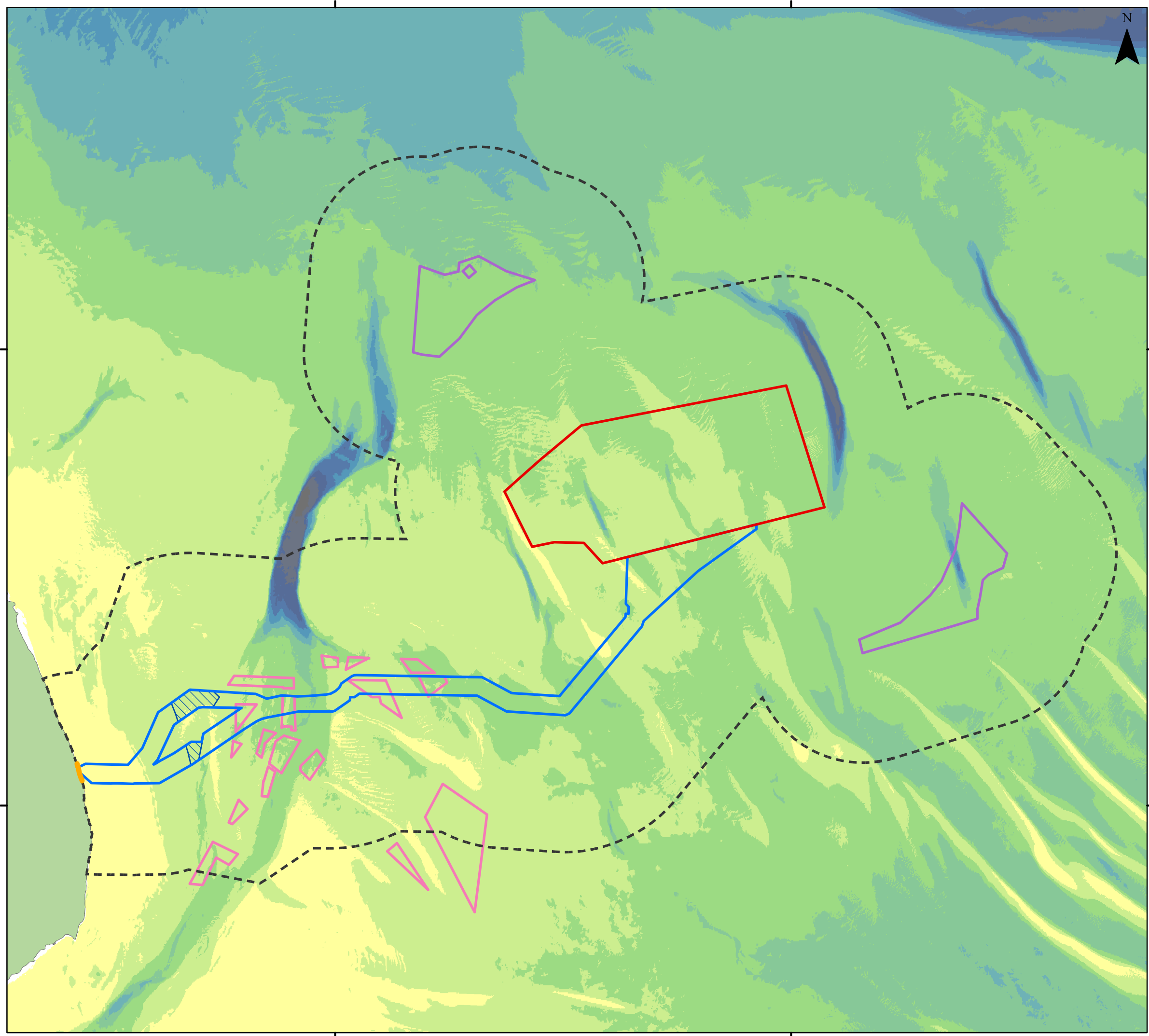


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EMDOnet 2020 bathymetry

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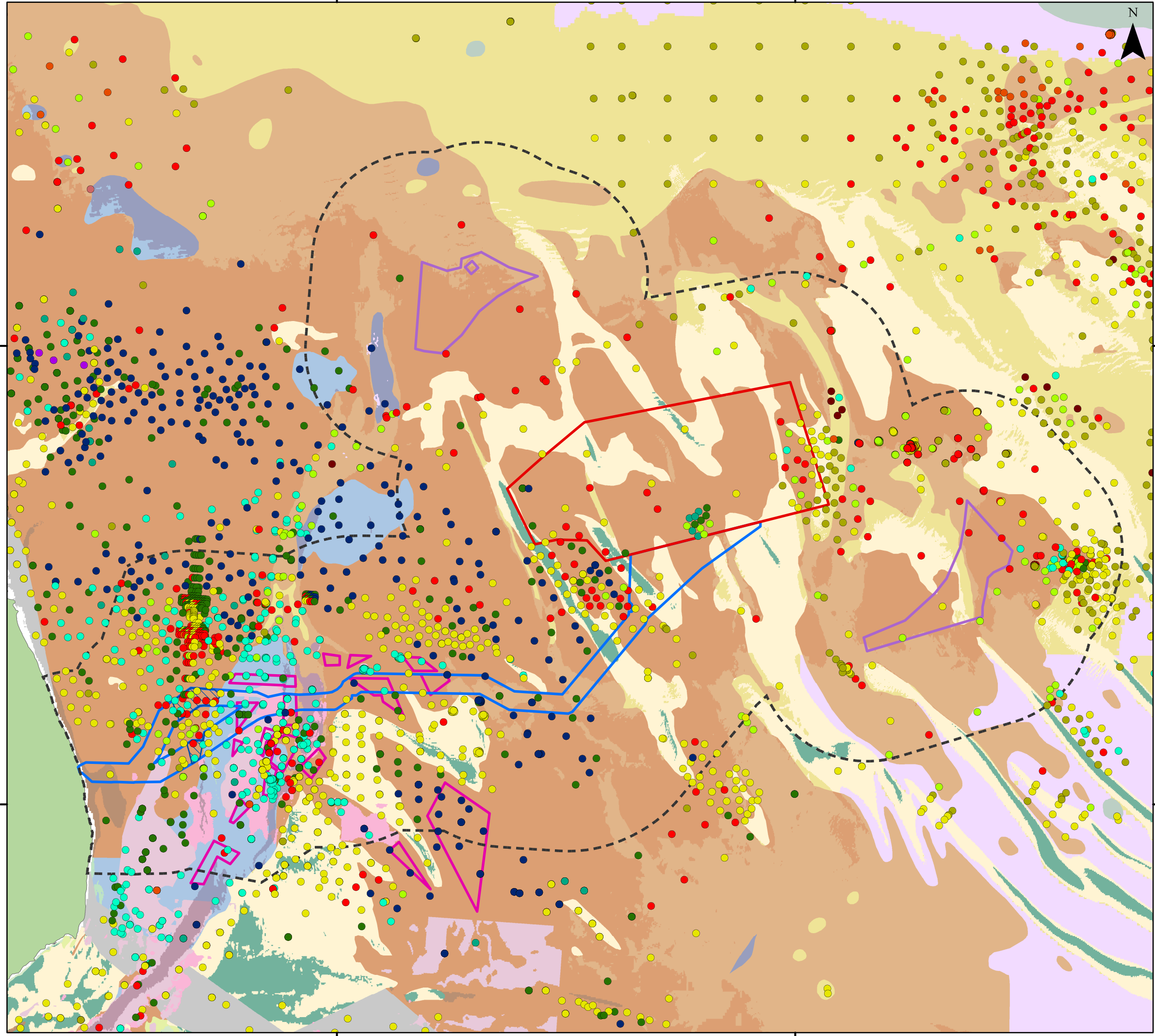
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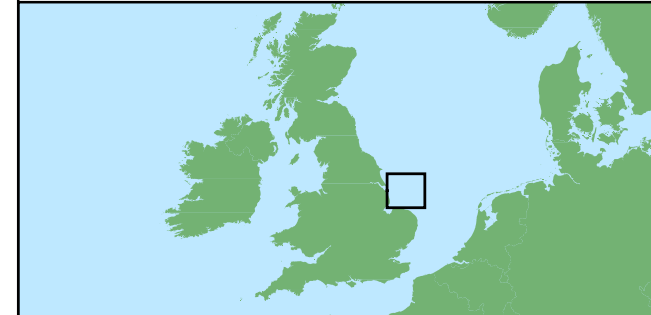


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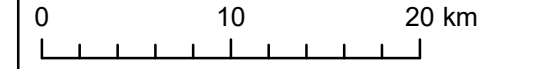
- Array Area
- Offshore Export Cable Corridor
- ORCP Area
- Artificial Nesting Structure Area
- Biogenic Reef Restoration Area
- Benthic Subtidal Ecology Study Area
- EUSeaMap 2021 (EMODnet, 2021)**
- A4.2: Atlantic and Mediterranean moderate energy circalittoral rock
- A4.27: Faunal communities on deep moderate energy circalittoral rock
- A5.13: Infralittoral coarse sediment
- A5.14: Circalittoral coarse sediment
- A5.15: Deep circalittoral coarse sediment
- A5.23 or A5.24: Infralittoral fine sand or Infralittoral muddy sand
- A5.25 or A5.26: Circalittoral fine sand or Circalittoral muddy sand
- A5.27: Deep circalittoral sand
- A5.33: Infralittoral sandy mud
- A5.35: Circalittoral sandy mud
- A5.37: Deep circalittoral mud
- A5.43: Infralittoral mixed sediments
- A5.44: Circalittoral mixed sediments
- A5.45: Deep circalittoral mixed sediments
- A5.6: Sublittoral biogenic reefs
- A5.61: Sublittoral polychaete worm reefs on sediment
- A5.611: [*Sabellaria spinulosa*] on stable circalittoral mixed sediment
- No EUNIS habitat assigned

### OneBenthic Faunal Data Points (Cefas)

- |     |     |     |     |
|-----|-----|-----|-----|
| A1  | B1a | C1b | D2b |
| A2a | B1b | D1  | D2c |
| A2b | C1a | D2a | D2d |



Coordinate System: WGS 1984 UTM Zone 31N



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Environmental Statement

The Location of Existing Data Across the Project Benthic Ecology Study Area

Figure 9.2



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 EMDnet 2020 bathymetry




















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- Legend**
-  Array Area
  -  Offshore Export Cable Corridor
  -  ORCP Area
  -  Artificial Nesting Structure
  -  Benthic Subtidal Ecology Study
- Seabed Features**
-  Circalittoral Coarse Sand (sand with shell gravel)
  -  Circalittoral Coarse Sand (sand with pebbles and cobbles)
  -  Circalittoral Coarse Sand (sand with shell, pebbles and cobbles)
  -  Circalittoral Coarse Sand (sand with small pebbles)
  -  Circalittoral Coarse Sand with patches of Circalittoral Mixed Sediment
  -  Circalittoral Fine Sand
  -  Circalittoral Mixed Sediment
  -  Circalittoral Muddy Sand
  -  Infralittoral Coarse Sediment
  -  Infralittoral Fine Sand
  -  Infralittoral Muddy Sand
  -  Offshore Circalittoral Coarse Sediment
  -  Offshore Circalittoral Sand
  -  Sabellaria spinulosa on stable circalittoral mixed sediment

Document Path: Z:\GIS\GIS - Projects\0152 Outer Dowsing EIA\GIS\Figures\ES\Benthic Ecology\ODOW\_0152\_BE\_Fig9.3 Seabed Sediment Features.mxd



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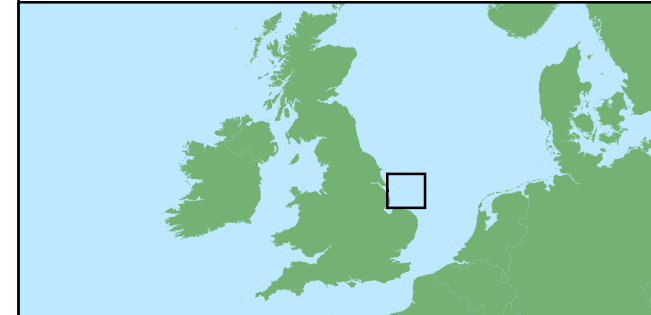
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**Environmental Statement**

Geophysical and Seabed Sediment Features Across the Project Benthic Subtidal and Intertidal Ecology Study Area  
Figure 9.3



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- Legend**
- Array Area
  - Offshore Export Cable Corridor
  - ORCP Area
  - Artificial Nesting Structure Area
  - Benthic Subtidal Ecology Study Area

- Folk Classifications**
- Sand
  - Slightly Gravelly Sand
  - Slightly Gravelly Muddy Sand
  - Gravelly Sand
  - Sandy Gravel
  - Muddy Sandy Gravel
  - Gravelly Muddy Sand
  - Gravel

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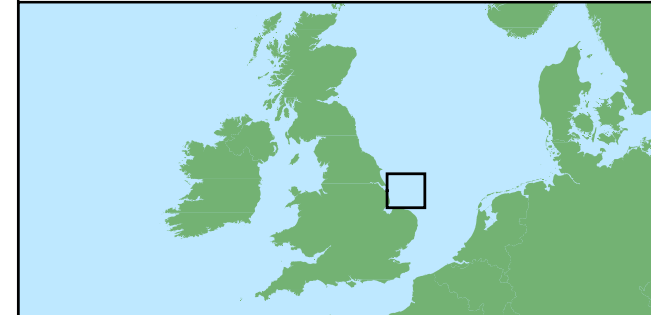
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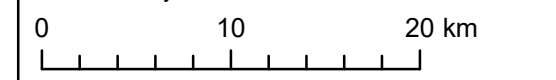
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Environmental Statement

Sediment Types Across Benthic and Intertidal Ecology Study Area

Figure 9.4



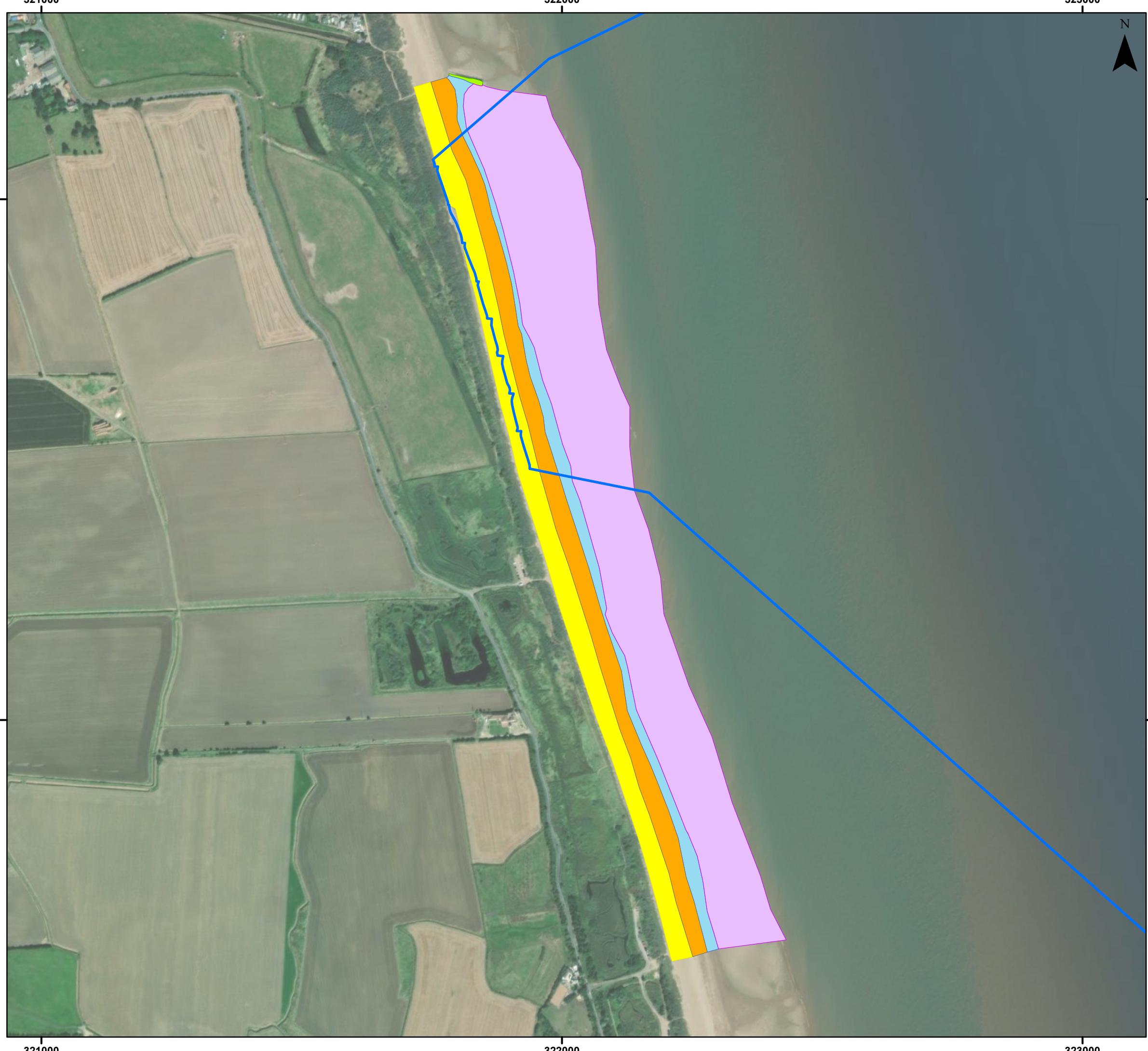
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Revision: 0.1









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NGDC, and other  
contributorsEMDOnet 2020

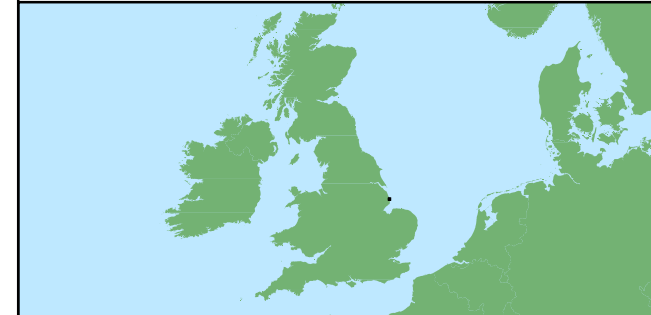
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**Legend**

-  Offshore Export Cable Corridor
- Biotopes (EUNIS)**
-  MA123F (LR.FLR.Eph.Ulv)
-  MA5211 (LS.LSa.St.Tal)
-  MA5231 (LS.LSa.MoSa.BarSa)
-  MA5233 (LS.LSa.MoSa.AmSco)
-  MA5241 (LS.LSa.FiSa.Po)



Coordinate System: WGS 1984 UTM Zone 31N

0 0.25 0.5 km

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Environmental Statement

Biotopes Identified within the Project  
Intertidal during the Phase I Survey

Figure 9.5

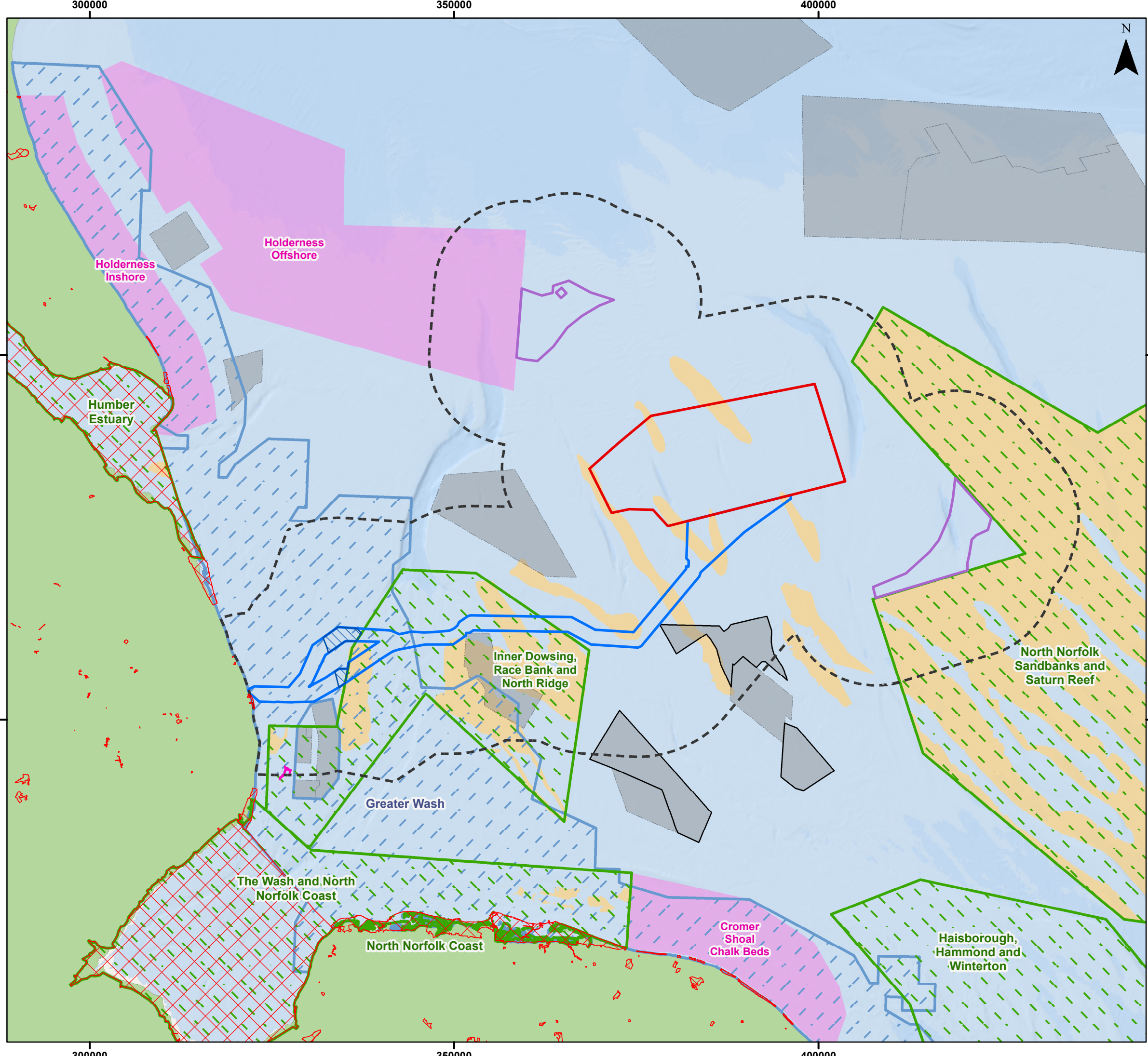


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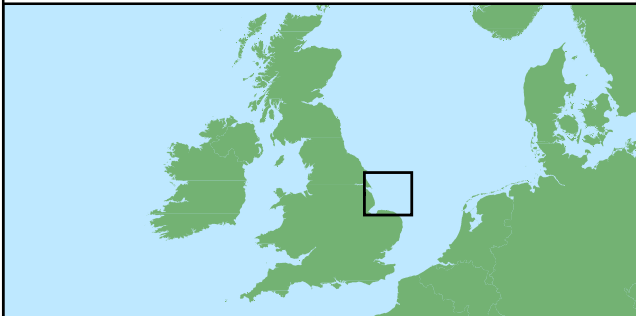
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Source: Esri, Maxar, Earthstar  
Geographics, and the GIS User  
CommunityEMDOnet 2020

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- Legend**
- Array Area
  - Offshore Export Cable Corridor
  - ORCP Area
  - Artificial Nesting Structure Area
  - Benthic Subtidal Ecology Study Area
  - Offshore Wind Farms
  - Future Wind Farm Extensions
  - Special Protection Area
  - Special Area of Conservation
  - Marine Conservation Zone
  - Annex I Sandbank
  - Annex I Reefs
  - Sites of Special Scientific Interest



Coordinate System: WGS 1984 UTM Zone 31N  
 0 10 20 km  
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**Environmental Statement**  
 National and International Conservation Designations of Relevance to Benthic Subtidal and Intertidal Ecology within the Area of Potential Direct and Indirect Impact of the Project  
 Figure 9.6



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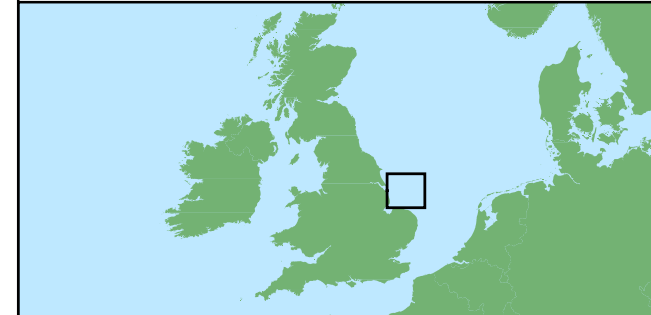
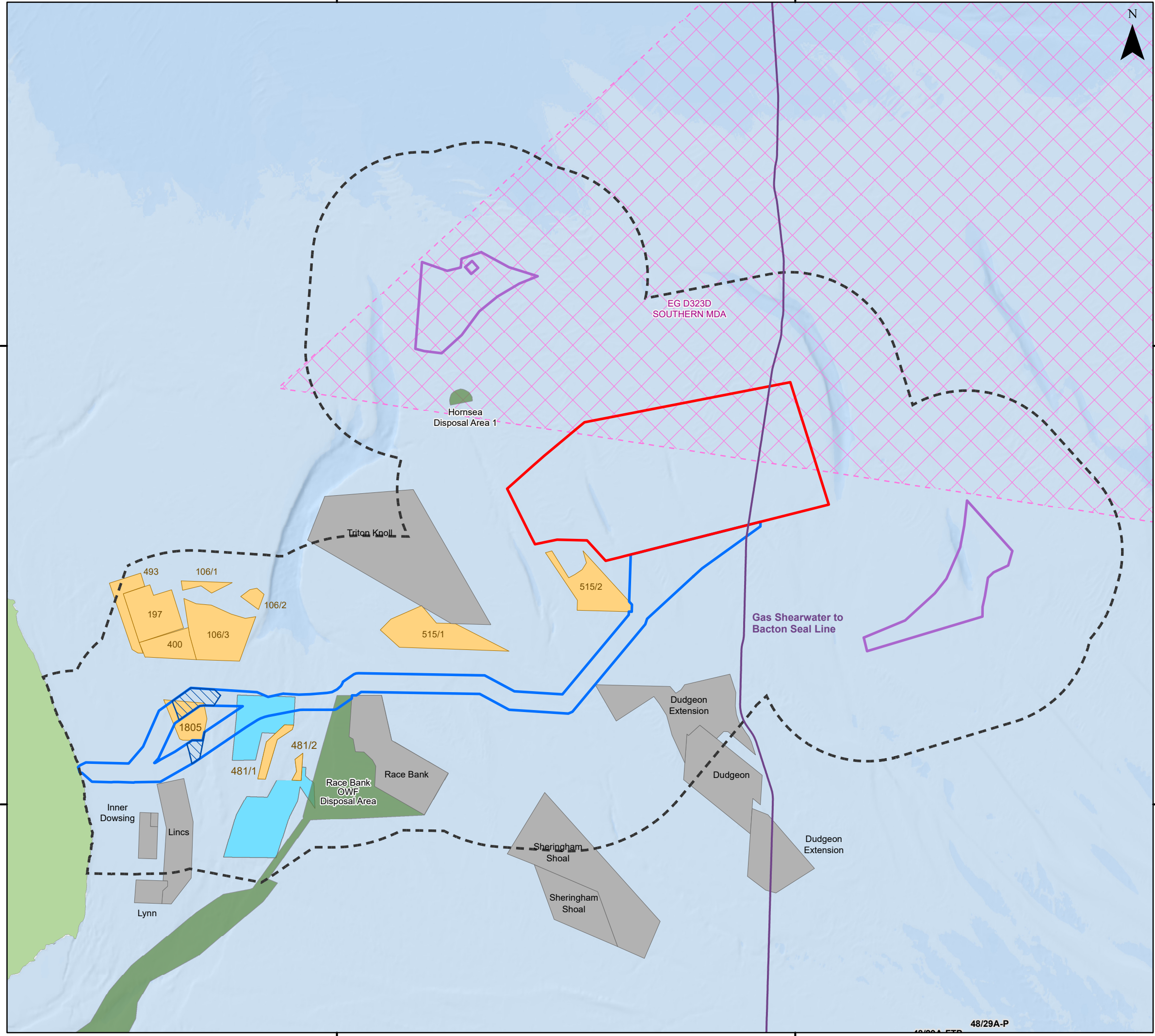
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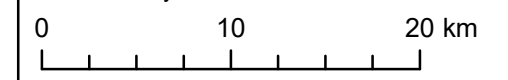
### Legend

-  Array Area
-  Offshore Export Cable Corridor
-  ORCP Area
-  Artificial Nesting Structure Area
-  Benthic Subtidal Ecology Study Area
-  Offshore Wind Farm Sites
-  Aggregate Area
-  Provisional Aggregates Area (2103)
-  Open Disposal Area
-  Military Practice Area
-  Subsea Pipeline

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### Environmental Statement

Projects Screened into the CIA for  
Benthic Subtidal and Intertidal Ecology  
Impacts within the Benthic Study Area

Figure 9.7



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