Outer Dowsing Offshore Wind

Environmental Statement

Chapter 8 Marine Water and Sediment Quality

Volume 2 Figures

Date: March 2025
Pursuant to APFP Regulation: 5(2)(a)
Document Reference: 6.2.8
Revision: 3.0

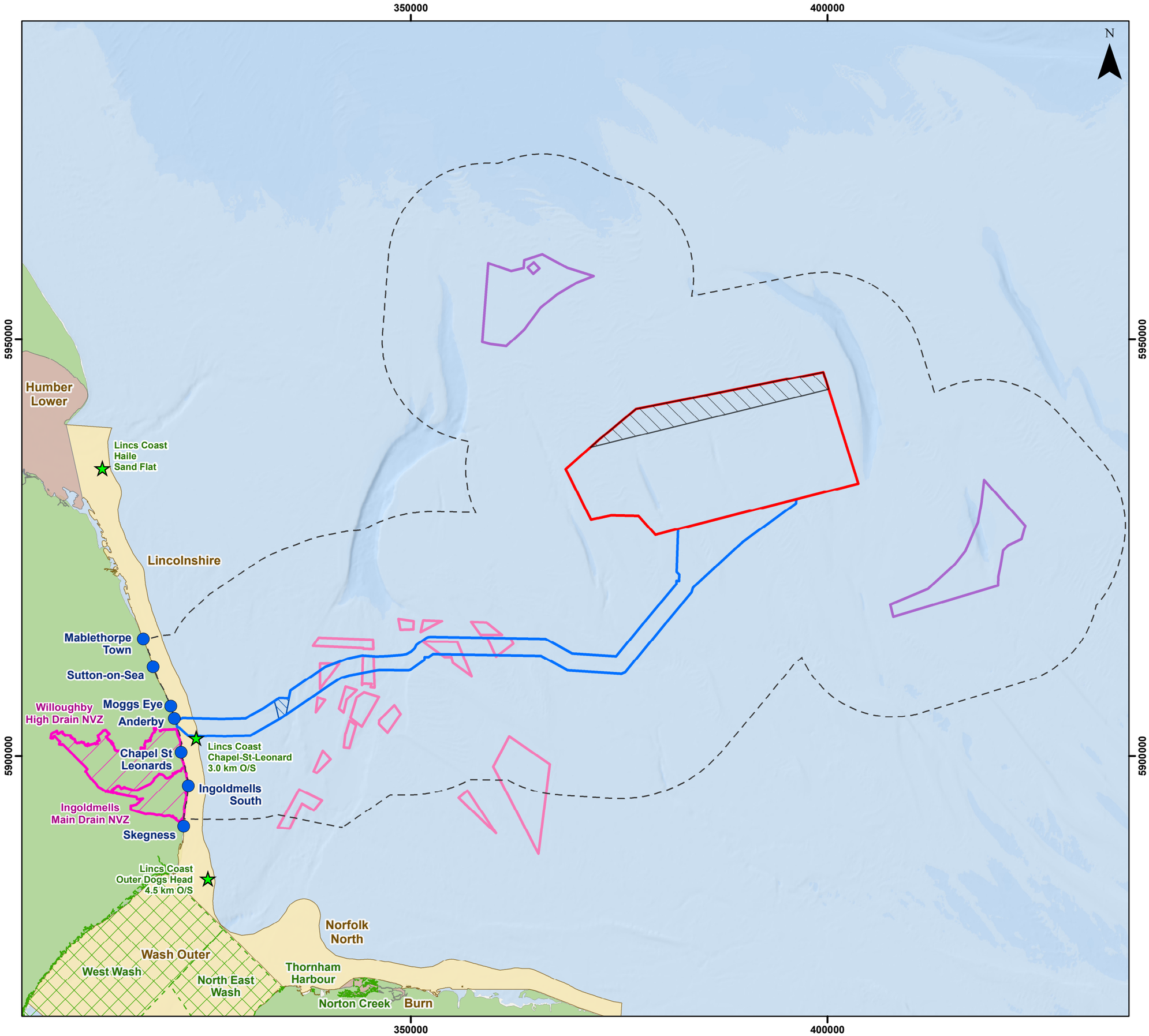
Company:	**Outer Dowsing Offshore Wind**	Asset:	**Whole Asset**
Project:	**Whole Wind Farm**	Sub Project/Package:	Whole Asset
Document Title or Description:	Chapter 8 Marine Water and Sediment Quality		
Internal Document Number:	PP1-ODOW-DEV-CS-FIG-0008_02	3rd Party Doc No (If applicable):	N/A

Rev No.	**Date**	**Status / Reason for Issue**	**Author**	**Checked by**	**Reviewed by**	**Approved by**
01	March 2024	DCO Application	GoBe	GoBe	Shepherd & Wedderburn	Outer Dowsing
02	June 2024	Response to Section 51 Advice	GoBe	GoBe	Outer Dowsing	Outer Dowsing
03	March 2025	Examination ES Update	GoBe	GoBe	Outer Dowsing	Outer Dowsing

Change Log

- Examination Update: updates to reflect, where relevant: clarifications to date in Examination; correcting errata; additional commitments made through Examination; and changes to status of or addition of cumulative projects.
- Figures 8.1-8.4 inclusive have been updated to reflect the inclusion of the Offshore Restricted Build Area and removal of the Northern Export Cable Corridor route

Table of Figures

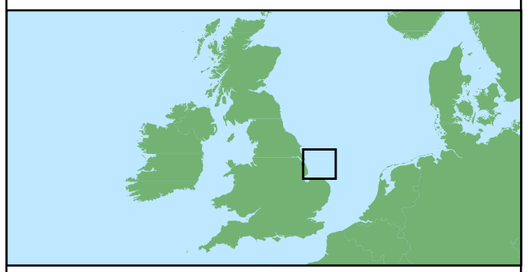


Legend

- Array Area
- Offshore Restricted Build Area
- Offshore Export Cable Corridor
- ORCP Area
- Artificial Nesting Structure Area
- Biogenic Reef Restoration Area
- MW&SQ Zone of Influence
- Bathing Water Sites
- Monitoring Stations/Points
- Nitrate Vulnerable Zone
- Shellfish Waters

Waterbodies

- Coastal
- Transitional



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Environmental Statement Version 2 Deadline 5

Marine Water and Sediment Quality Study Area

Figure 8.1

OUTER DOWSING OFFSHORE WIND

Date: 17/02/2025
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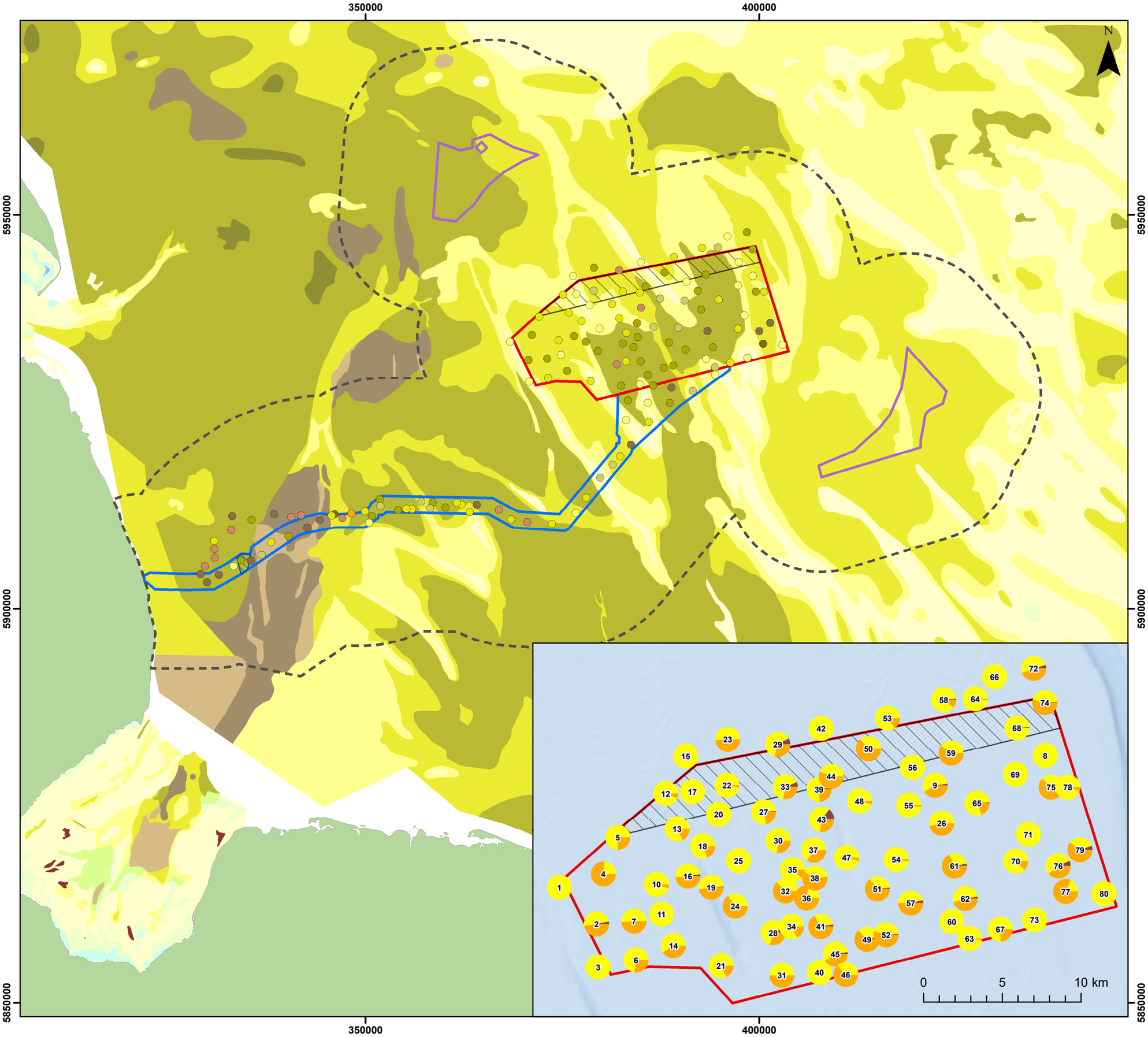


Legend

- Array Area
- Offshore Restricted Build Area
- Offshore Export Cable Corridor
- ORCP Area
- Artificial Nesting Structure Area
- MW&SQ Zone of Influence

Seabed Sediments (FOLK)

- 1.1.1 Mud
- 1.1.2 (gravelly) Mud
- 1.2.1 sandy Mud
- 1.3.1 muddy Sand
- 1.3.2 (gravelly) muddy Sand
- 2.1.1 Sand
- 2.1.2 (gravelly) Sand
- 3.1.1 gravelly Sand
- 3.2.1 sandy Gravel
- 3.3.1 Gravel
- 4.1.1 gravelly Mud
- 4.3.1 gravelly muddy Sand
- 4.4.1 muddy sandy Gravel
- 5. Rock and Boulders

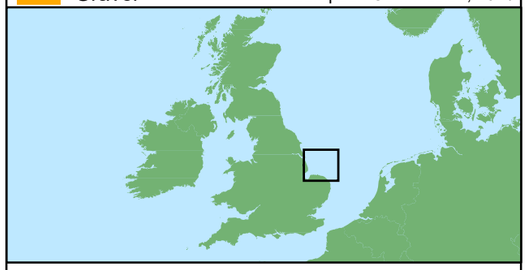
Benthic Samples - Folk Class (GEOxyz, August / November 2022)

- Sand
- Slightly Gravelly Sand
- Slightly Gravelly Muddy Sand
- Gravelly Sand
- Sandy Gravel
- Muddy Sandy Gravel
- Gravelly Muddy Sand
- Gravel

Sediment composition (%)

- Fines
- Sand
- Gravel

Seabed Sediments 1:250 000 – Europe
© EMODnet Geology,
European Commission, 2016



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Sediment Characterisation using Project Specific Sampling and Existing Data Sources

Figure 8.2

OUTER DOWSING OFFSHORE WIND

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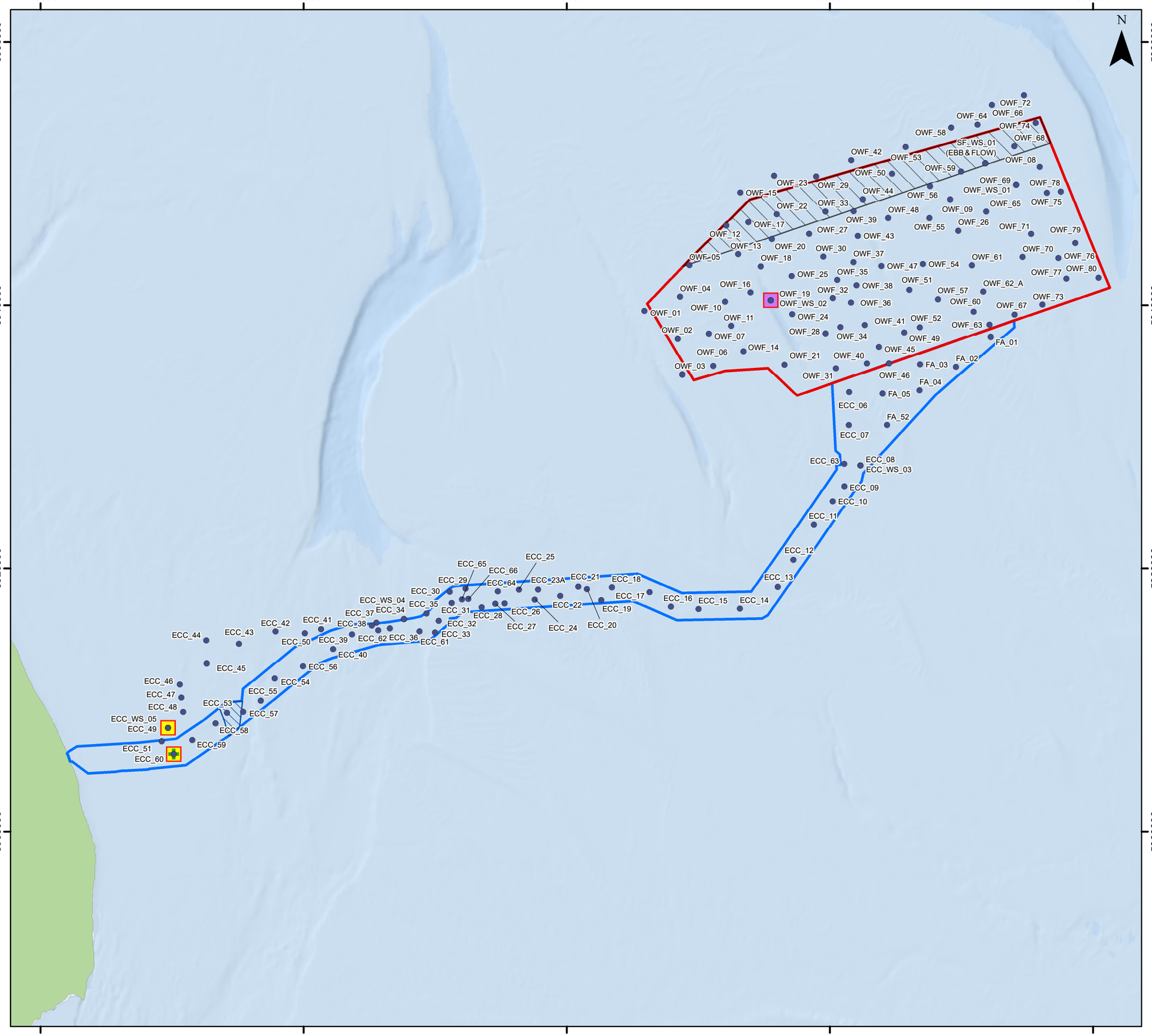
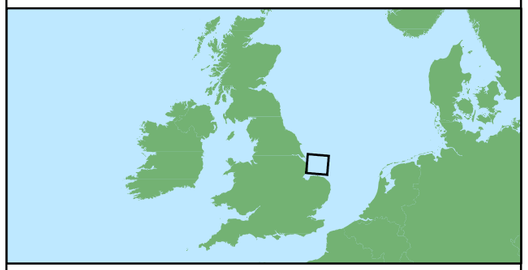


Legend

- Array Area
- Offshore Restricted Build Area
- Offshore Export Cable Corridor
- ORCP Area
- Grab Sampling Locations

PAH

- TEL exceeded for Acenaphthene
- TEL exceeded for Phenanthrene
- TEL exceeded for Dibenzo(a,h)anthracene and Naphthalene
- USEPA ERL exceeded for Fluorene



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Site Specific Survey Locations within the Project ECC and Array Area - PAH

Figure 8.3a

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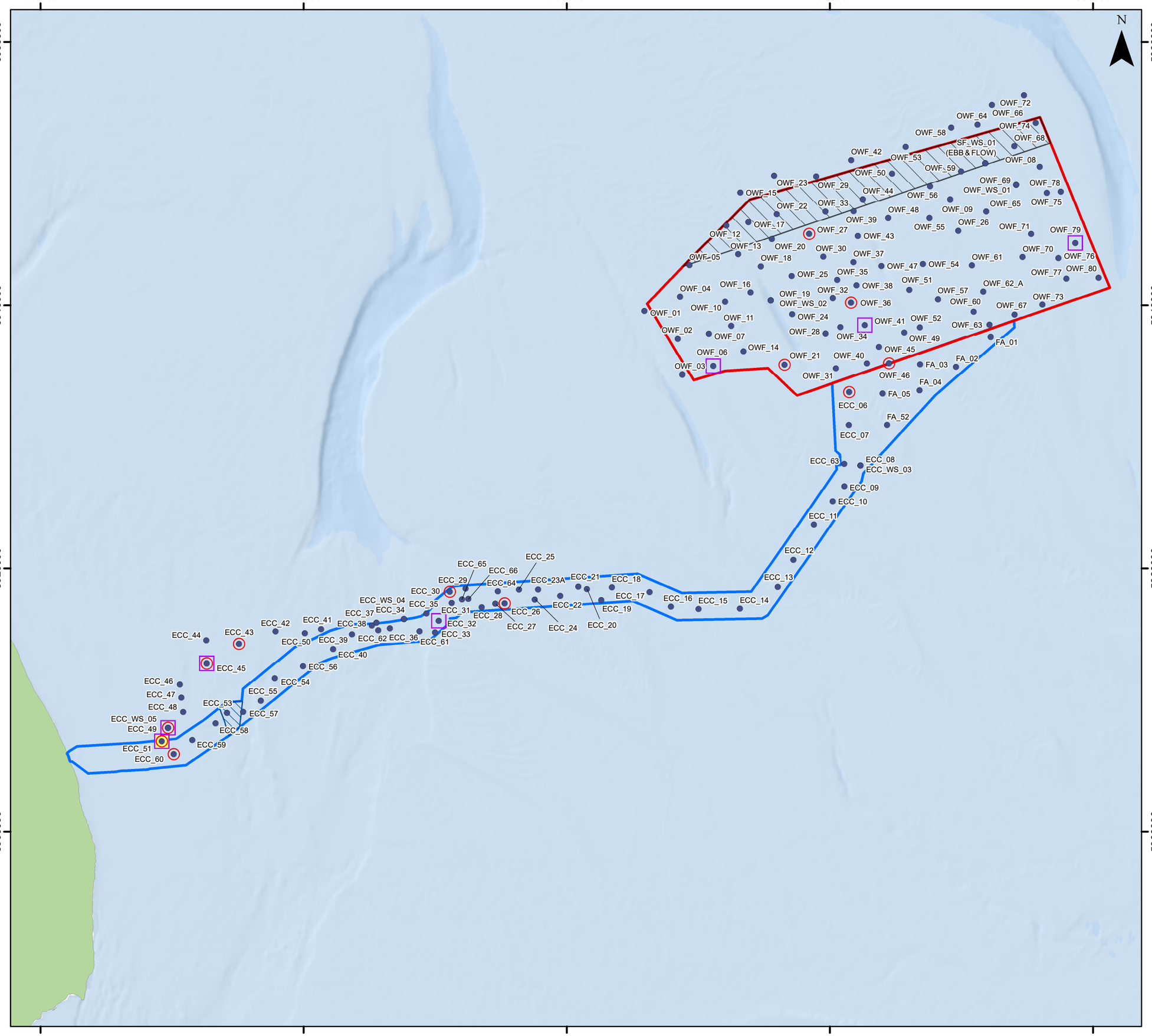
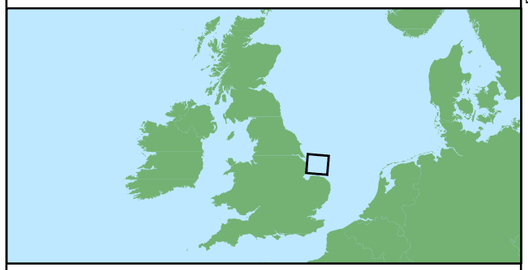


Legend

- Array Area
- Offshore Restricted Build Area
- Offshore Export Cable Corridor
- ORCP Area
- Grab Sampling Locations

Metals

- AL1 exceeded for Arsenic
- AL1 exceeded for Nickel
- AL1 exceeded for Chromium



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Environmental Statement Version 2 Deadline 5

Site Specific Survey Locations within the Project ECC and Array Area - Metals

Figure 8.3b

OUTER DOWSING OFFSHORE WIND

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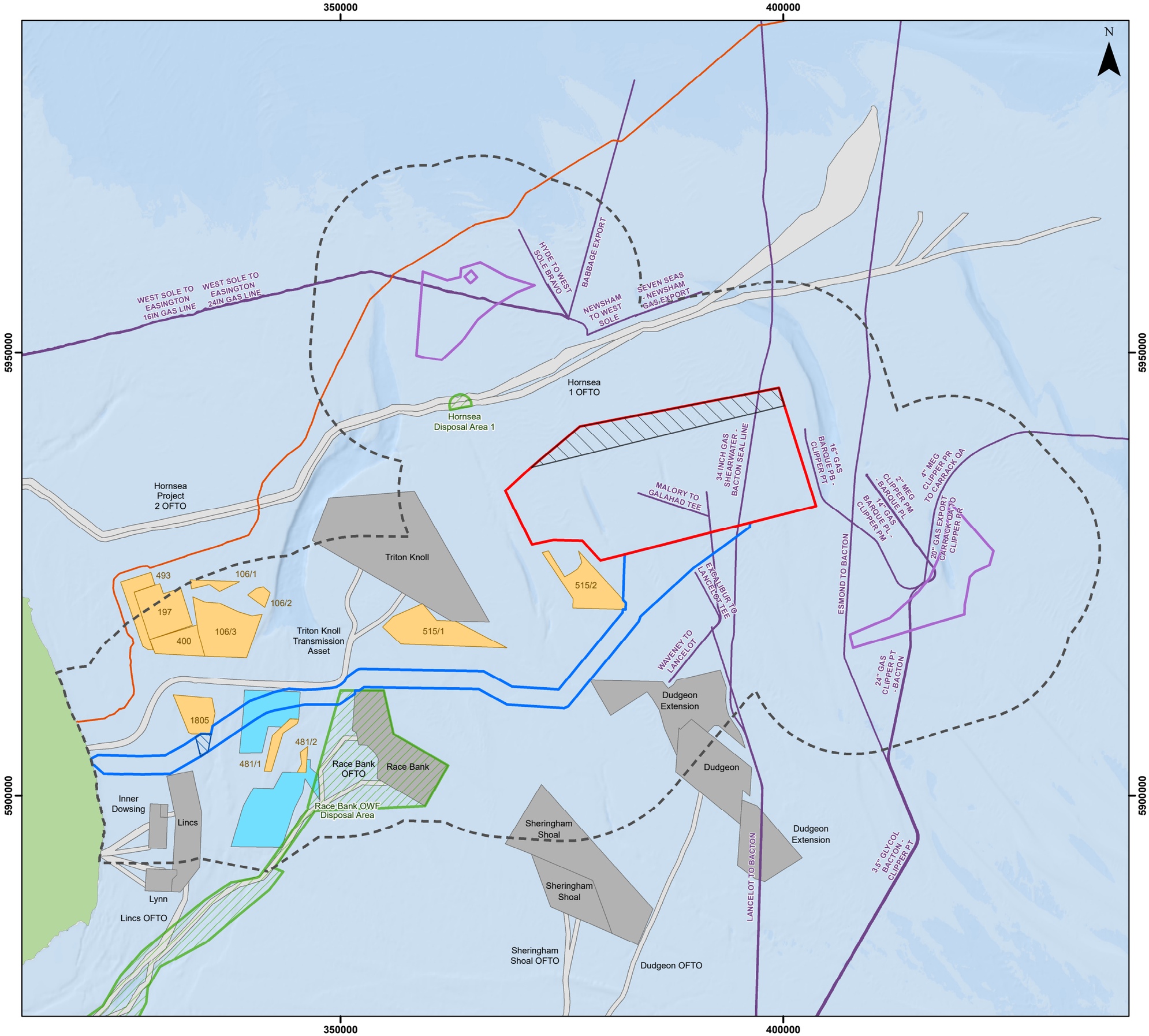
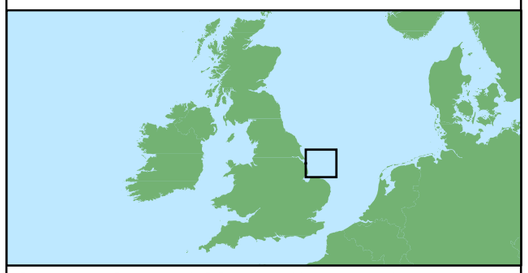


Legend

- Array Area
- Offshore Restricted Build Area
- Offshore Export Cable Corridor
- ORCP Area
- Artificial Nesting Structure Area
- MW&SQ Zone of Influence
- Offshore Wind Farm Sites
- Offshore Wind Farm Cable Agreements
- Aggregate Area
- Provisional Aggregates Area (2103)
- Open Disposal Area
- Viking Link Interconnector
- Subsea Pipeline



Coordinate System: WGS 1984 UTM Zone 31N

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Location of Cumulative Projects relative to the MW&SQ Study Area

Figure 8.4

OUTER DOWSING OFFSHORE WIND

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