

**Rampion 2 Wind Farm**  
**Category 6:**  
**Environmental Statement**  
**Volume 3, Chapter 9: Benthic,**  
**subtidal and intertidal ecology -**  
**Figures**  
**Date: August 2023**  
**Revision A**

Document Reference: 6.3.9

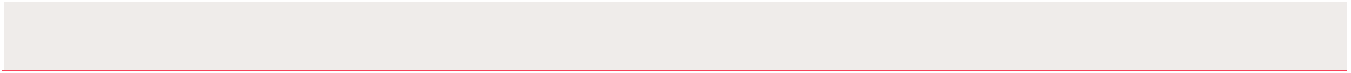
Pursuant to: APFP Regulation 5 (2) (a)

Ecodoc number: 004884746-01



## Document revisions

Revision	Date	Status/reason for issue	Author	Checked by	Approved by
A	04/08/2023	Final for DCO Application	WSP	RED	RED



# Contents

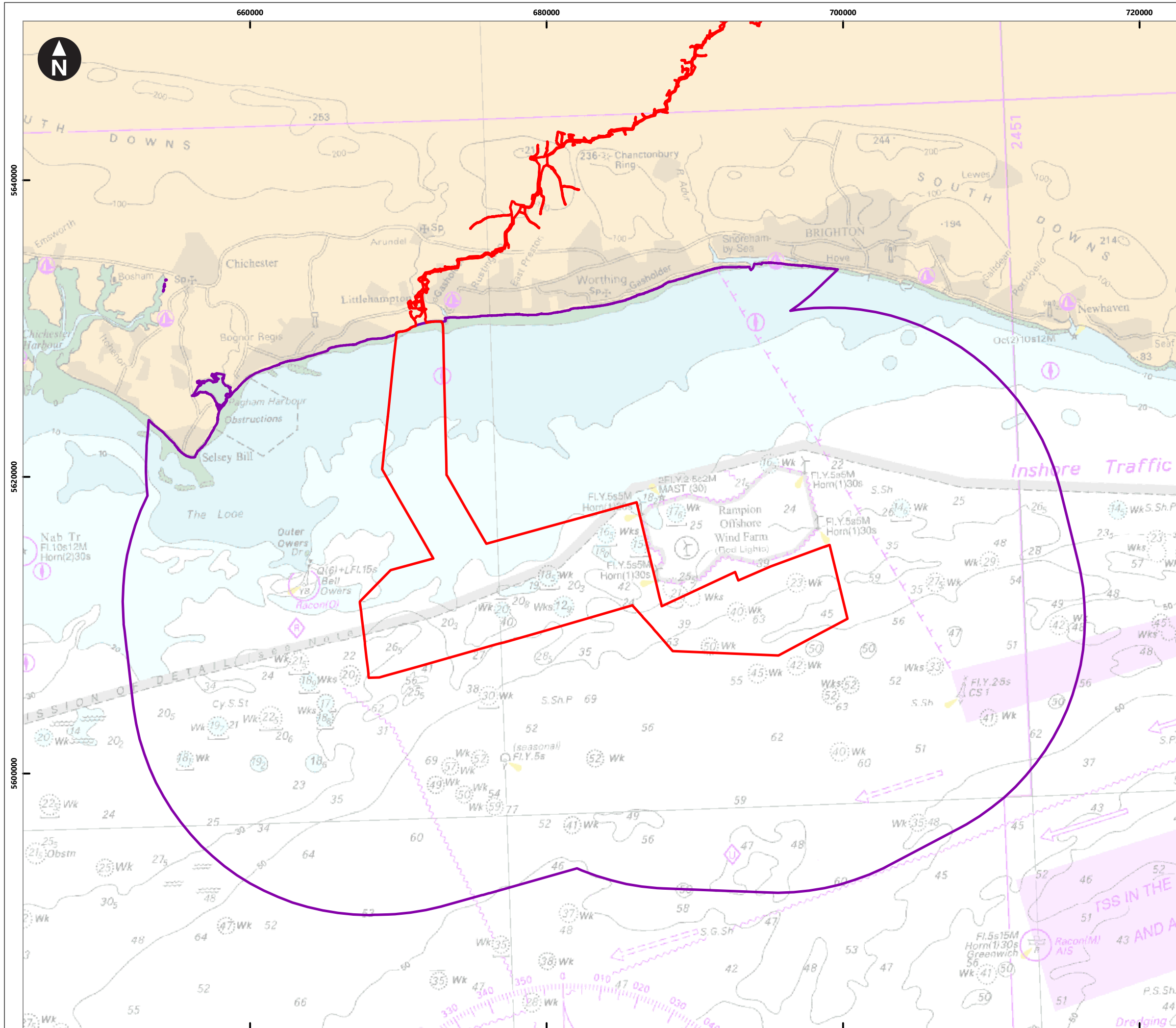
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## List of Figures

Figure number	Figure Title	APFP number	Ecodoc number	Revision	Revision Date
Figure 9.1	Rampion 2 benthic, subtidal and intertidal ecology Study Area	5 (2) (a)	004866119-01	A	04/08/2023
Figure 9.2	Site-specific benthic subtidal survey campaign	5 (2) (a)	004866120-01	A	04/08/2023
Figure 9.3	EUNIS sediment descriptions from sample locations obtained across the benthic subtidal ecology study area and wider region	5 (2) (a)	004866121-01	A	04/08/2023
Figure 9.4		5 (2) (a)	004866122-01	A	04/08/2023
Figure 9.5	EUNIS habitat and biotope mapping and sampling locations visited during the intertidal survey of the Rampion 2 offshore export cable corridor landfall (East Zone)	5 (2) (a)	004866123-01	A	04/08/2023
Figure 9.6	EUNIS habitat and biotope mapping and sampling locations visited during the intertidal survey of the Rampion 2 offshore export cable corridor landfall (Middle Zone)	5 (2) (a)	004866124-01	A	04/08/2023
Figure 9.7	EUNIS habitat and biotope mapping and sampling locations visited during the intertidal survey of the Rampion 2 offshore export cable corridor landfall (West Zone)	5 (2) (a)	004866125-01	A	04/08/2023
Figure 9.8	Designated sites in relation to Rampion 2	5 (2) (a)	004866126-01	A	04/08/2023

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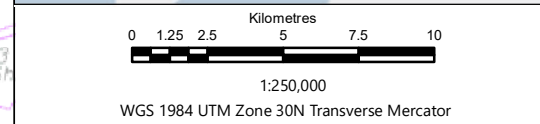
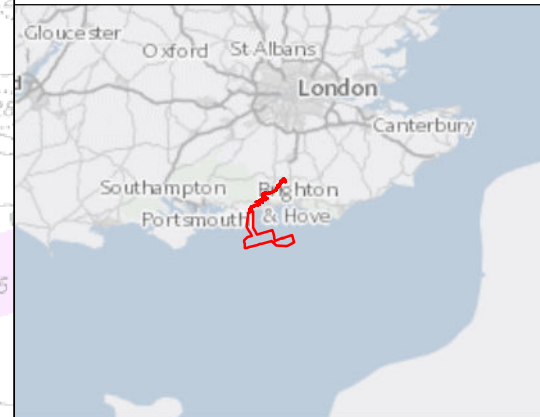
<b>Figure number</b>	<b>Figure Title</b>	<b>APFP number</b>	<b>Ecodoc number</b>	<b>Revision</b>	<b>Revision Date</b>
Figure 9.9	Other projects/developments screened into the cumulative impact assessment on benthic ecology	5 (2) (a)	004866127-01	A	04/08/2023



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**Key**

- Proposed DCO Order Limits
- Study Area



Rampion Extension Development

Rampion 2 Offshore Wind Farm

Figure 9.1 Benthic, subtidal and intertidal ecology Study Area

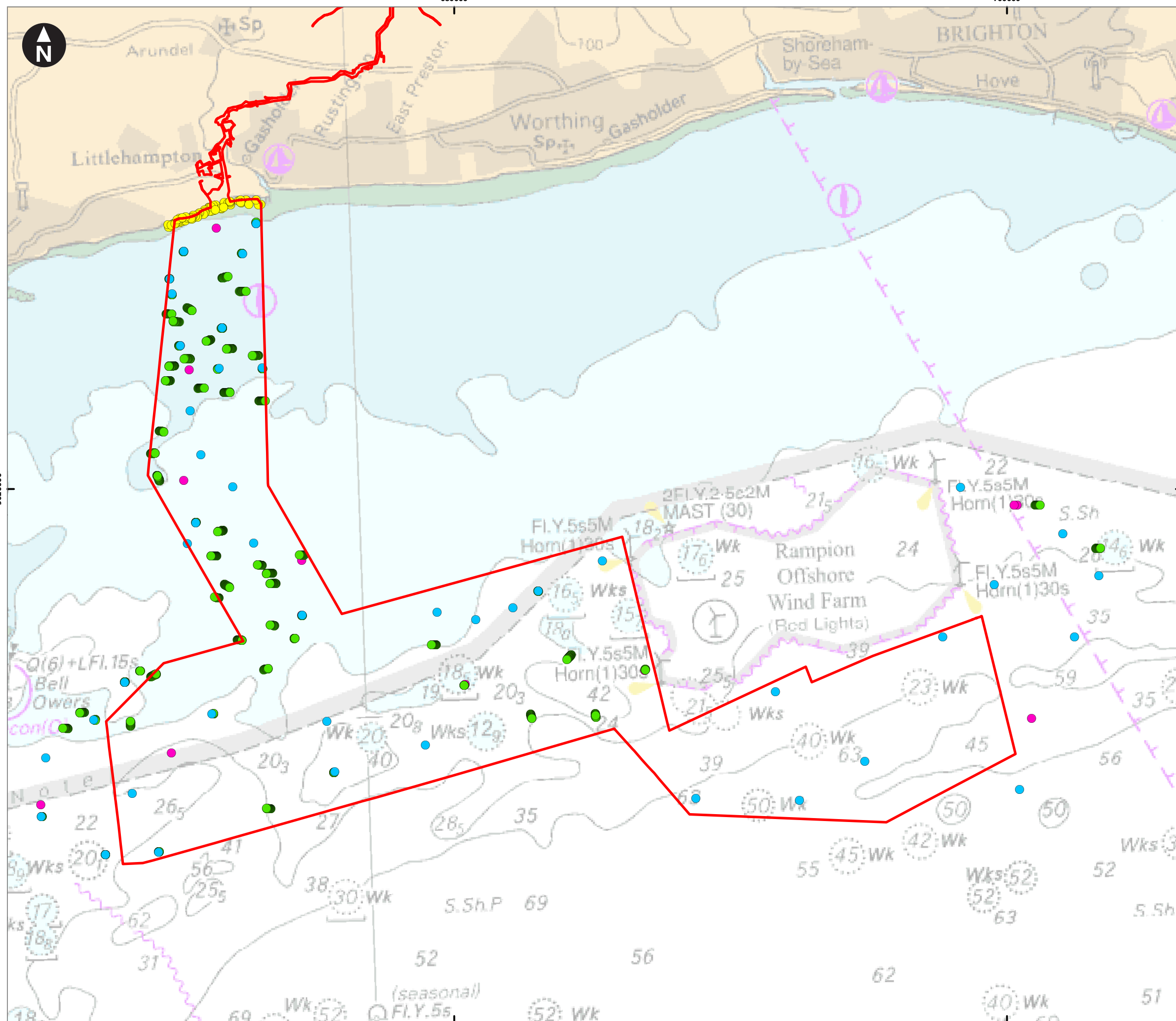
Environmental Statement

System Identifier: 42285-GOBE-ES-OF-FG-O2-7530		Version: 1.0
Company: GOBE	Drawn By: SWM	Chk/Prvrd: NH
Drawn Date: 02/06/2023	Status: FINAL	

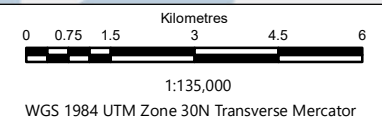
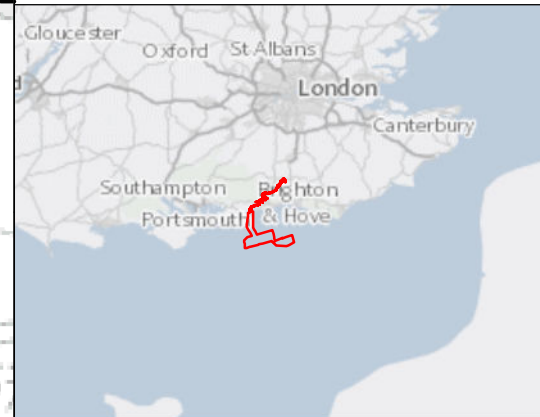
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- Key**
- Proposed DCO Order Limits
  - Benthic grab samples
  - Benthic drop down camera
  - Benthic chemical samples
  - Intertidal survey campaign



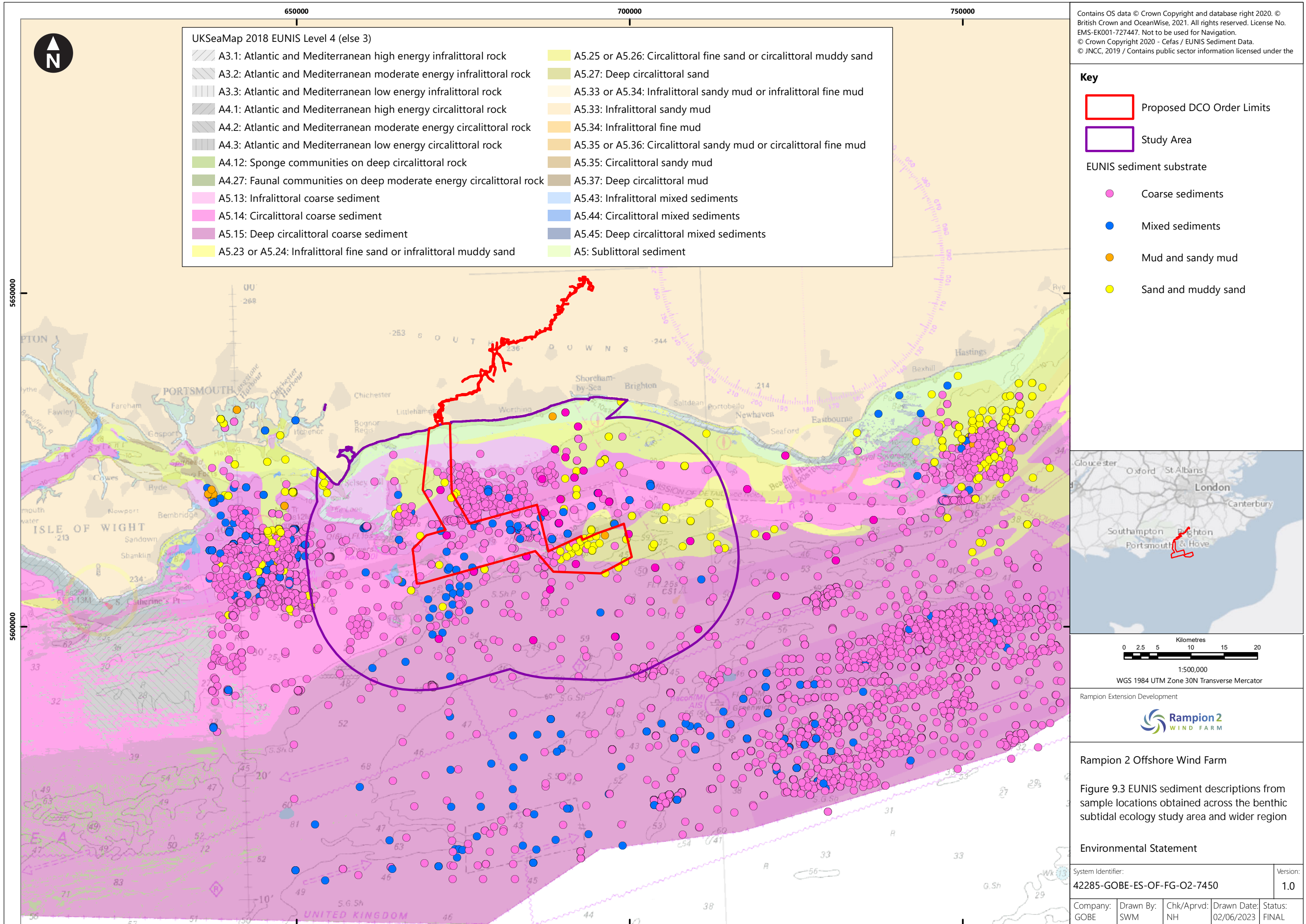
Rampion Extension Development

**Rampion 2 Offshore Wind Farm**  
Figure 9.2 Rampion 2 site specific benthic subtidal survey campaign; and extent and location of the Phase I and II intertidal survey campaign.

Environmental Statement

System Identifier: 42285-GOBE-ES-OF-FG-O2-5835		Version: 1.0
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Company: GOBE	Drawn By: SWM	Chk/Prvd: NH	Drawn Date: 02/06/2023	Status: FINAL
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UKSeaMap 2018 EUNIS Level 4 (else 3)

	A3.1: Atlantic and Mediterranean high energy infralittoral rock		A5.25 or A5.26: Circalittoral fine sand or circalittoral muddy sand
	A3.2: Atlantic and Mediterranean moderate energy infralittoral rock		A5.27: Deep circalittoral sand
	A3.3: Atlantic and Mediterranean low energy infralittoral rock		A5.33 or A5.34: Infralittoral sandy mud or infralittoral fine mud
	A4.1: Atlantic and Mediterranean high energy circalittoral rock		A5.33: Infralittoral sandy mud
	A4.2: Atlantic and Mediterranean moderate energy circalittoral rock		A5.34: Infralittoral fine mud
	A4.3: Atlantic and Mediterranean low energy circalittoral rock		A5.35 or A5.36: Circalittoral sandy mud or circalittoral fine mud
	A4.12: Sponge communities on deep circalittoral rock		A5.35: Circalittoral sandy mud
	A4.27: Faunal communities on deep moderate energy circalittoral rock		A5.37: Deep circalittoral mud
	A5.13: Infralittoral coarse sediment		A5.43: Infralittoral mixed sediments
	A5.14: Circalittoral coarse sediment		A5.44: Circalittoral mixed sediments
	A5.15: Deep circalittoral coarse sediment		A5.45: Deep circalittoral mixed sediments
	A5.23 or A5.24: Infralittoral fine sand or infralittoral muddy sand		A5: Sublittoral sediment

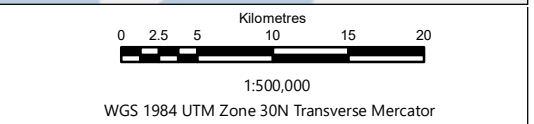
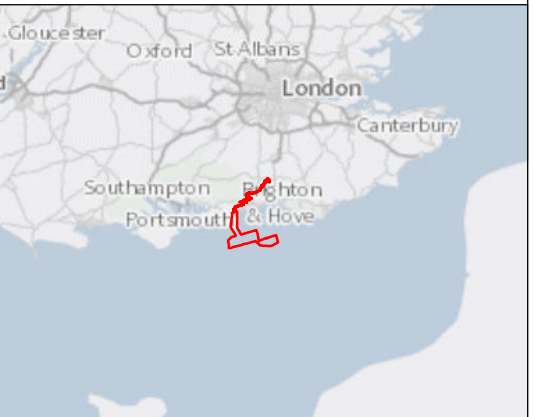
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**Key**

- Proposed DCO Order Limits
- Study Area

**EUNIS sediment substrate**

- Coarse sediments
- Mixed sediments
- Mud and sandy mud
- Sand and muddy sand



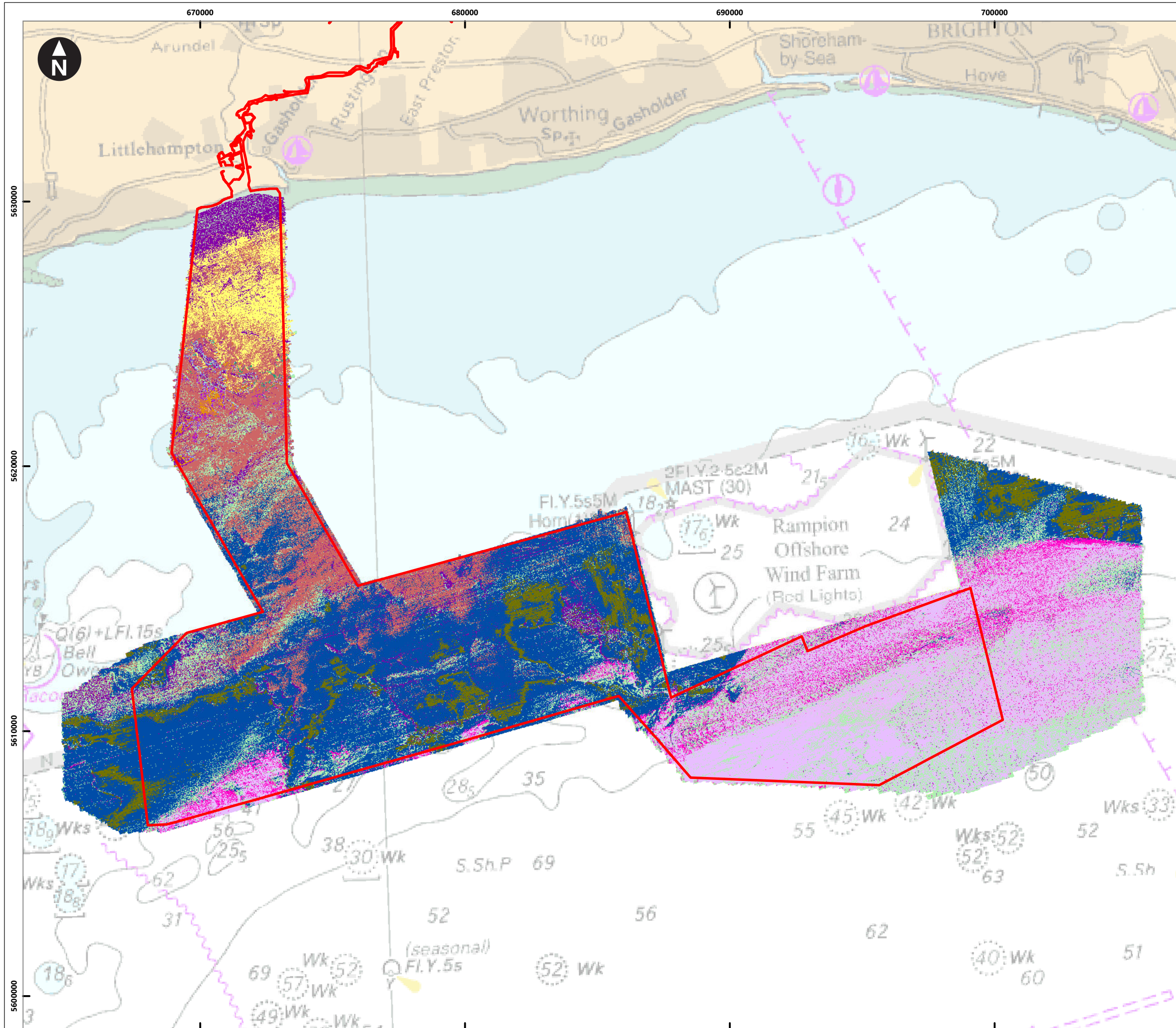
Rampion Extension Development

**Rampion 2 Offshore Wind Farm**

Figure 9.3 EUNIS sediment descriptions from sample locations obtained across the benthic subtidal ecology study area and wider region

**Environmental Statement**

System Identifier:		Version:	
42285-GOBE-ES-OF-FG-O2-7450		1.0	
Company:	Drawn By:	Chk/Prvrd:	Drawn Date:
GOBE	SWM	NH	02/06/2023
Status:		FINAL	



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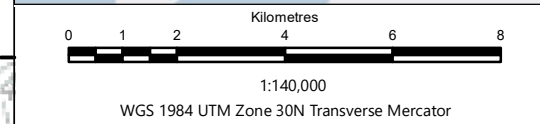
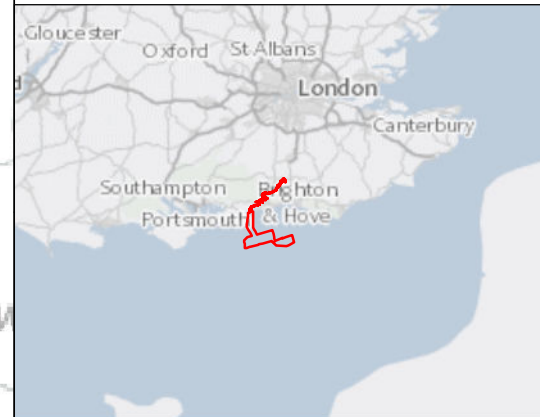
**Key**

Proposed DCO Order Limits

Maximum Likelihood Classification (Habitat Map)

**EUNIS**

- A3.215
- A4.139
- A4.231
- A5.422
- A5.431
- A5.444
- A5.141
- A5.142
- A5.231
- A5.131
- A5.233
- A5.261



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Rampion 2 Offshore Wind Farm

Figure 9.4 Level 5 predictive benthic habitat map

Environmental Statement

System Identifier: 42285-GOBE-ES-OF-FG-O2-1229	Version: 1.0
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Company: GOBE	Drawn By: SWM	Chk/Aprvd: NH	Drawn Date: 02/06/2023	Status: FINAL
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672000

672500

673000

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**Habitat Map**

- A1.45: Ephemeral green/red seaweeds (freshwater/sand-influenced) on non-mobile substrata
- A1.46: Hydrolittoral soft rock
- A2.11: Shingle (pebble) and gravel shores
- A2.111: Barren littoral shingle
- A2.2: Littoral sand and muddy sand
- A2.21: Strandline
- A2.23: Polychaete/amphipod-dominated fine sand shores
- A2.24: Polychaete/bivalve-dominated muddy sand shores
- A2.245: L. conchilega in littoral sand
- B2.32: Channel C. maritima communities
- Artificial Substrate

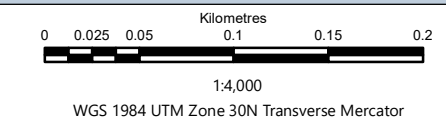
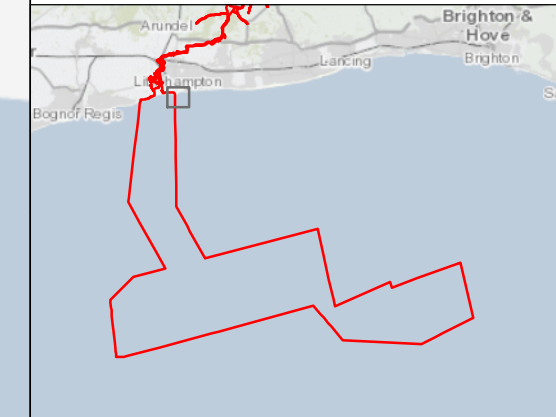
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- Proposed DCO Order Limits
- 0.01 m2 Core
- Target Notes

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5630000



Rampion Extension Development

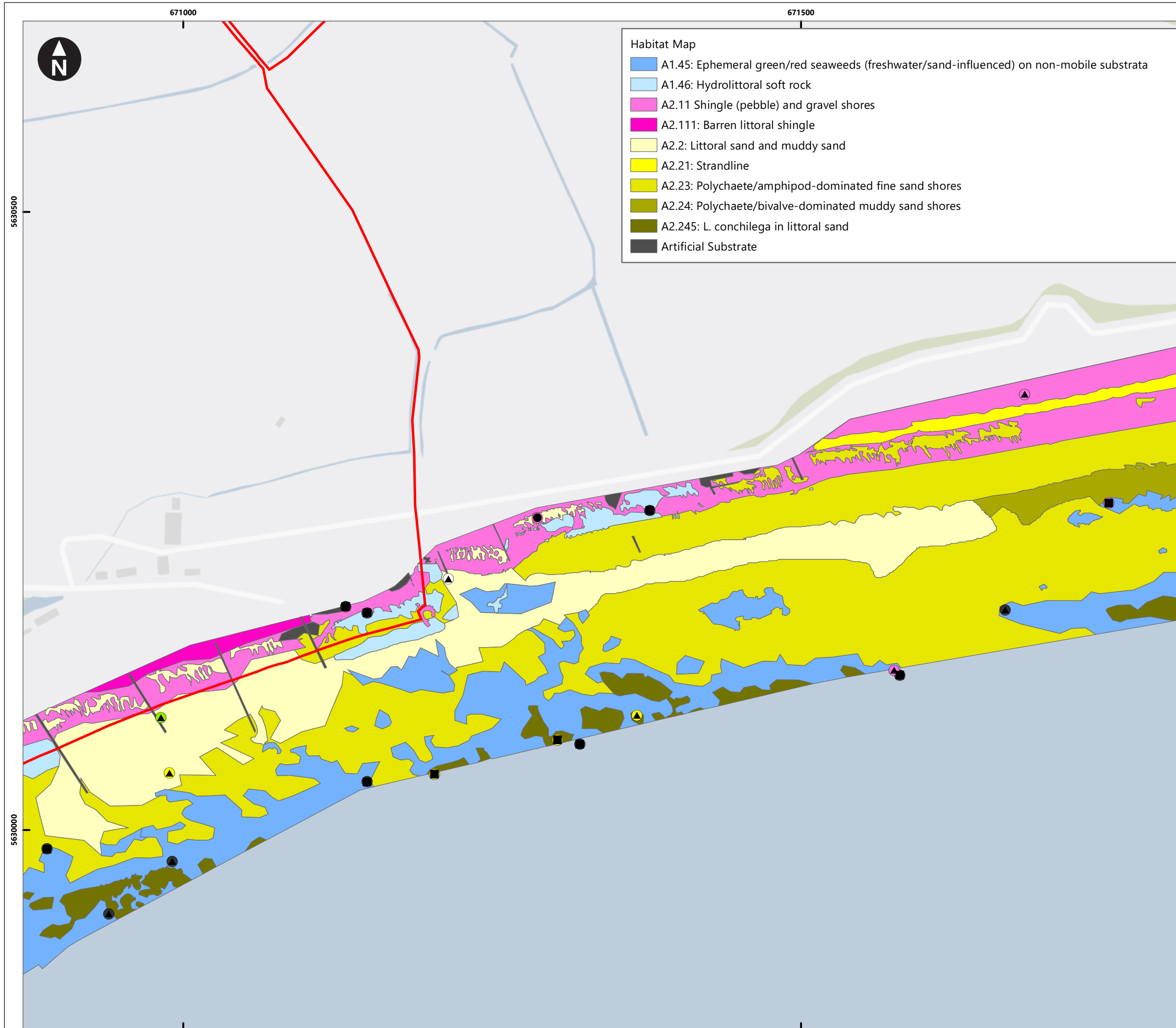
**Rampion 2 Offshore Wind Farm**

Figure 9.5 EUNIS habitat and biotope mapping and sampling locations visited during the intertidal survey of the Rampion 2 export cable corridor landfall (East Zone).

**Environmental Statement**

System Identifier: 42285-GOBE-ES-OF-FG-O2-3945		Version: 1.0
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Company: GOBE	Drawn By: SWM	Chk/Aprvd: NH	Drawn Date: 02/06/2023	Status: FINAL
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**Habitat Map**

- A1.45: Ephemeral green/red seaweeds (freshwater/sand-influenced) on non-mobile substrata
- A1.46: Hydrolittoral soft rock
- A2.11 Shingle (pebble) and gravel shores
- A2.111: Barren littoral shingle
- A2.2: Littoral sand and muddy sand
- A2.21: Strandline
- A2.23: Polychaete/amphipod-dominated fine sand shores
- A2.24: Polychaete/bivalve-dominated muddy sand shores
- A2.245: *L. conchilega* in littoral sand
- Artificial Substrate

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**Key**

- Proposed DCO Order Limits
- 0.01 m<sup>2</sup> Core
- 0.25 m<sup>2</sup> Quadrat
- Target Notes

0 0.025 0.05 0.1 0.15  
Kilometres  
1:3,000  
WGS 1984 UTM Zone 30N Transverse Mercator

Rampion Extension Development

**Rampion 2 Offshore Wind Farm**

Figure 9.6 EUNIS habitat and biotope mapping and sampling locations visited during the intertidal survey of the Rampion 2 export cable corridor landfall (Middle Zone).

**Environmental Statement**

System Identifier: 42285-GOBE-ES-OF-FG-O2-3601		Version: 1.0
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Drawn Date: 02/06/2023	Status: FINAL	

670000

670500

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Habitat Map

- A1.45: Ephemeral green/red seaweeds (freshwater/sand-influenced) on non-mobile substrata
- A1.46: Hydrolittoral soft rock
- A2.11 Shingle (pebble) and gravel shores
- A2.111: Barren littoral shingle
- A2.2: Littoral sand and muddy sand
- A2.21: Strandline
- A2.23: Polychaete/amphipod-dominated fine sand shores
- A2.24: Polychaete/bivalve-dominated muddy sand shores
- A2.245: *L. conchilega* in littoral sand
- Artificial Substrate

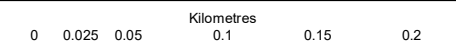
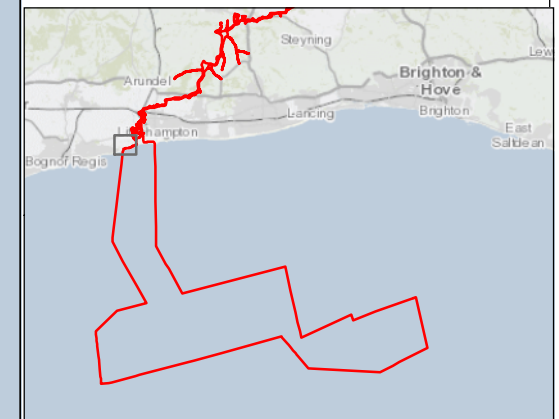
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- Proposed DCO Order Limits
- 0.01 m<sup>2</sup> Core
- 0.25 m<sup>2</sup> Quadrat
- Target Notes

5630000

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Poole Place



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Rampion Extension Development



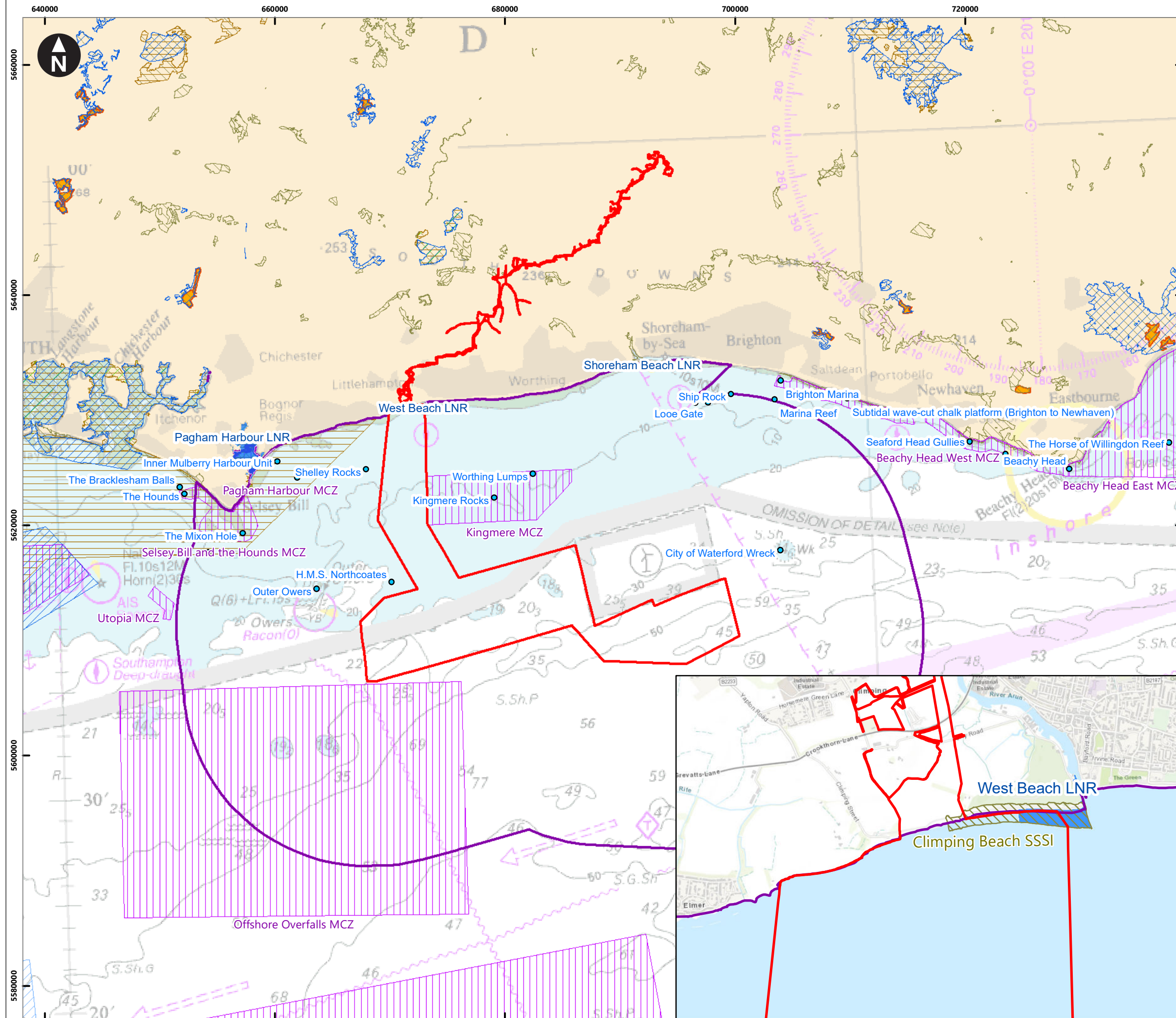
Rampion 2 Offshore Wind Farm

Figure 9.7 EUNIS habitat and biotope mapping and sampling locations visited during the intertidal survey of the Rampion 2 export cable corridor landfall (West Zone).

Environmental Statement

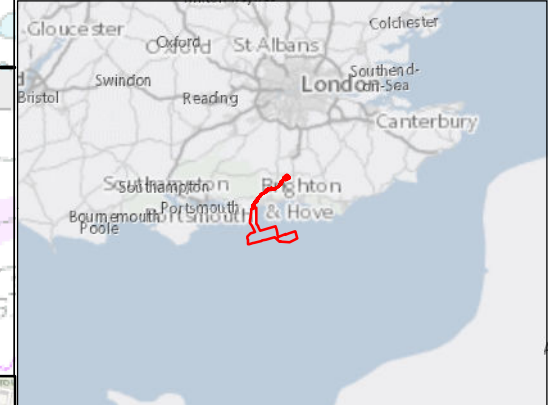
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Company: GOBE	Drawn By: SWM	Chk/Aprvd: NH	Drawn Date: 02/06/2023	Status: FINAL

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**Key**

- Proposed DCO Order Limits
- Study Area
- Local Wildlife Sites (LWS)
- Local Nature Reserve (LNR)
- Offshore Special Areas of Conservation (SACs)
- SACs with marine components
- Special Protected Areas (SPAs)
- England Ramsars
- Marine Conservation Zones
- Sites of Special Scientific Interest
- National Nature Reserves

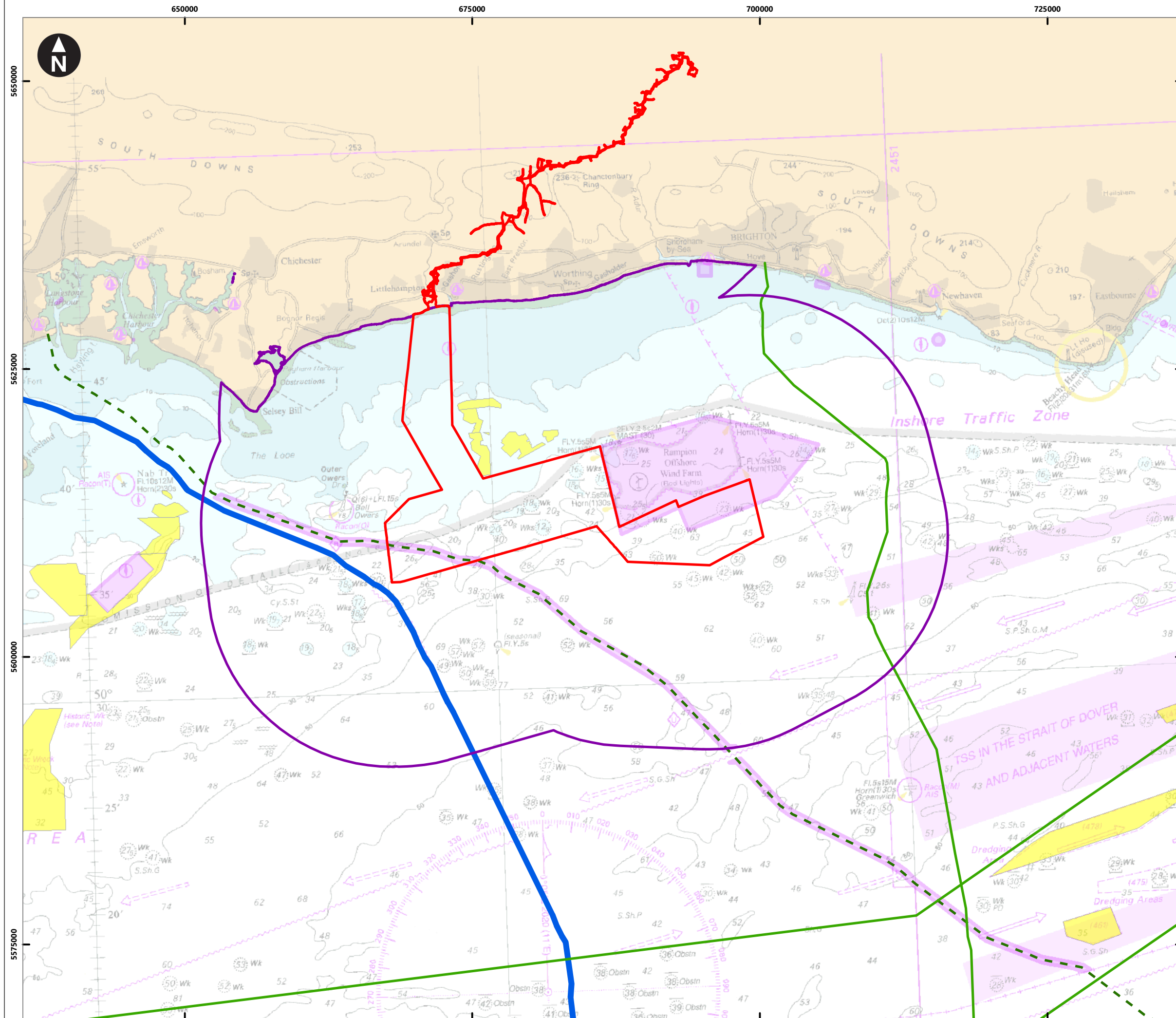


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Rampion Extension Development  

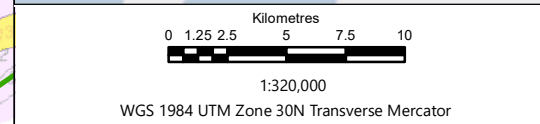
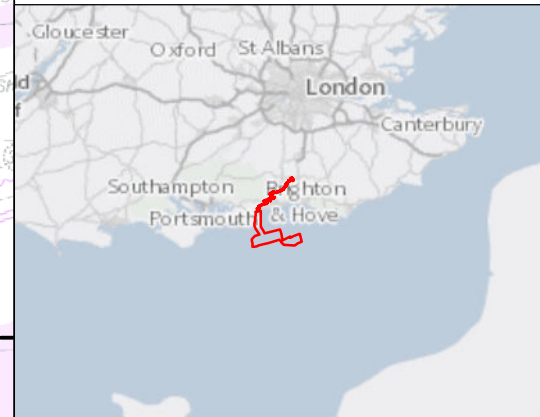

Rampion 2 Offshore Wind Farm  
 Figure 9.8 Designated sites in relation to Rampion 2  
 Environmental Statement

System Identifier: 42285-GOBE-ES-OF-FG-O2-4237		Version: 1.0	
Company: GOBE	Drawn By: SWM	Chk/Aprvd: NH	Drawn Date: Status: 02/06/2023 FINAL



**Key**

- Proposed DCO Order Limits
- Study Area
- Cable
- Proposed cable
- Planned cable
- Aggregate licence area
- Open disposal site



Rampion Extension Development

**Rampion 2 Offshore Wind Farm**

Figure 9.9 Offshore projects/plans/activities screened into the cumulative effect assessment on benthic ecology

Environmental Statement

System Identifier: 42285-GOBE-ES-OF-FG-O2-5014				Version: 1.0
Company: GOBE	Drawn By: SWM	Chk/Prvrd: NH	Drawn Date: 02/06/2023	Status: FINAL