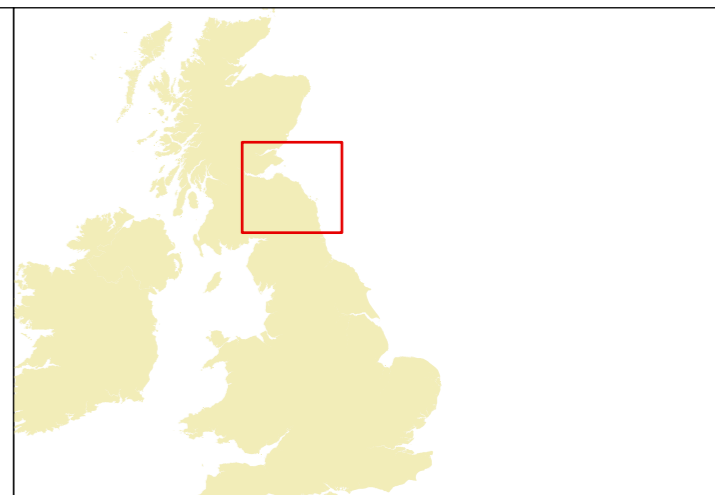
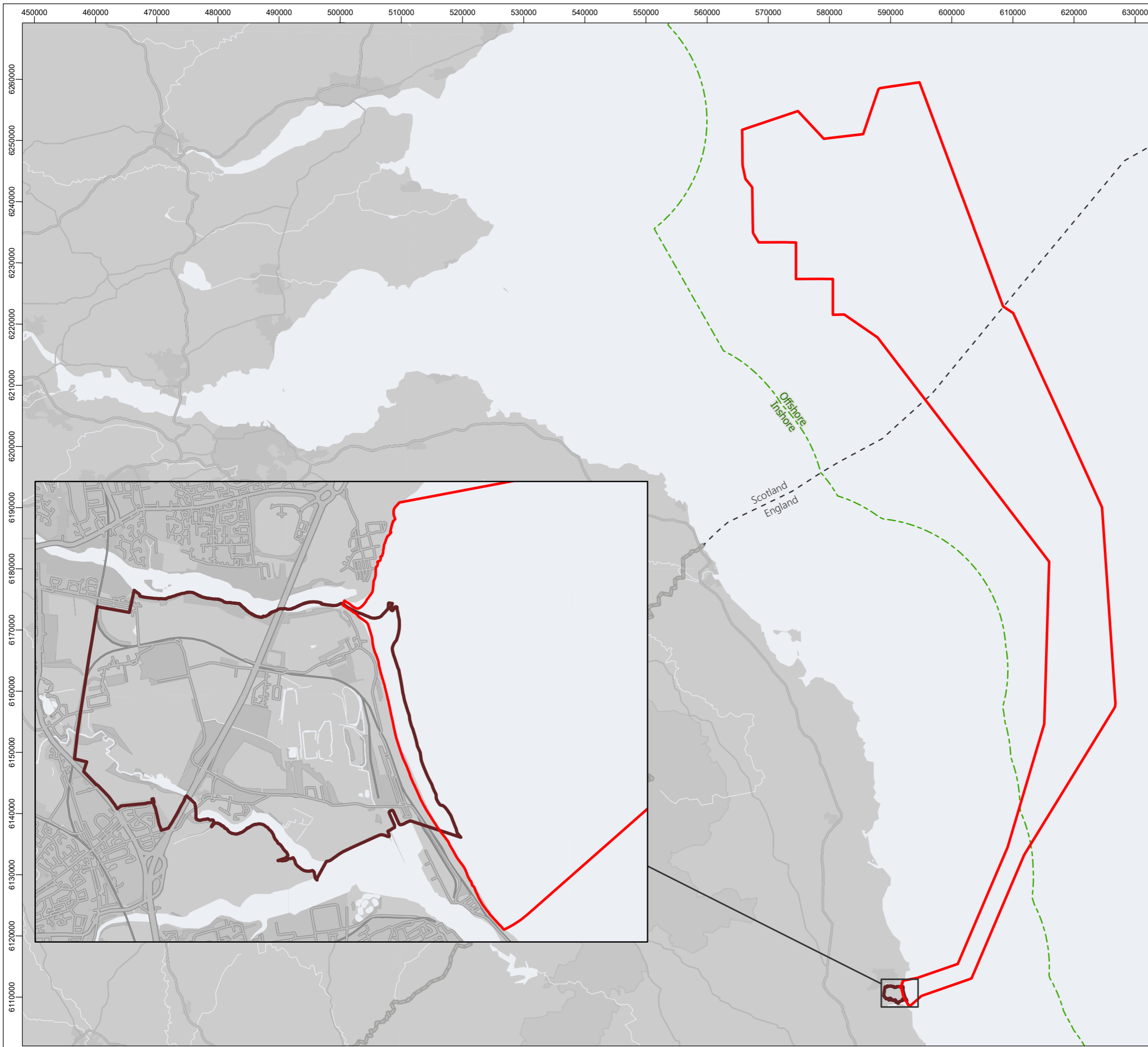


**CAMBOIS
CONNECTION
MARINE SCHEME**

Volume 2: Supporting Figures





- Legend**
- Offshore Scoping Area
 - Onshore Scoping Area
 - UK 12 Nautical Mile Limit
 - Scotland/England Territorial Waters

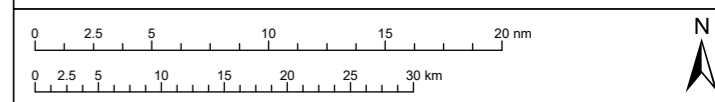
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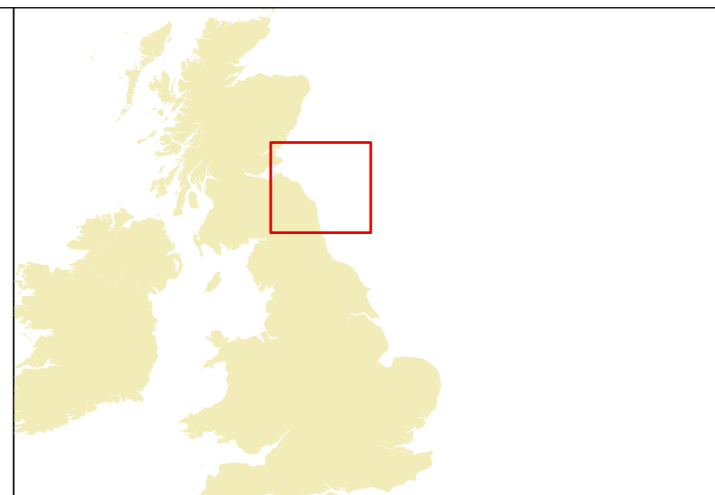
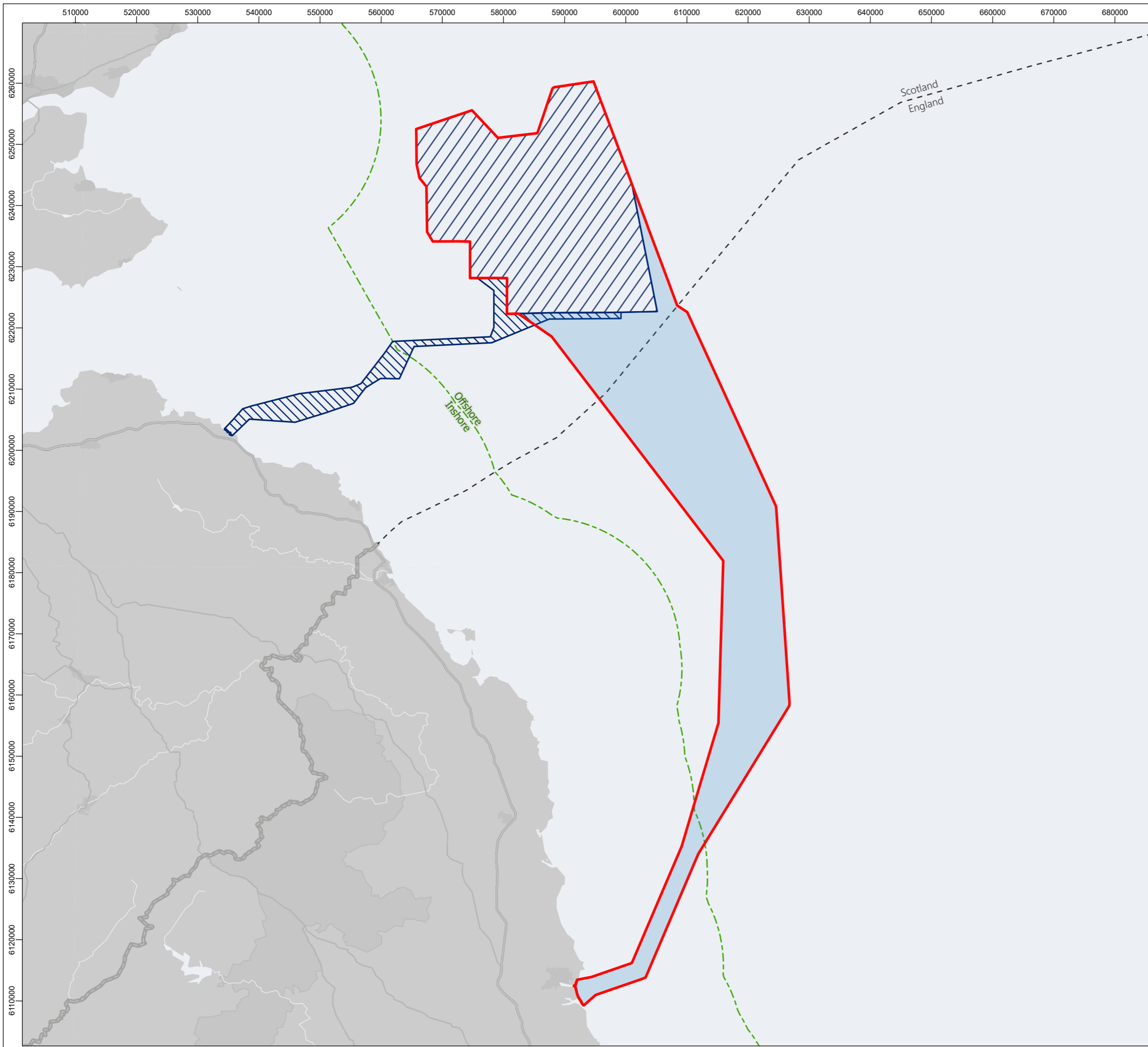
Project
CAMBOIS CONNECTION

Title
Figure 1-1 The Cambois Connection



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1:600,000	A3	OSGB36	BNG
Drawing Number LF000010&11-DEV-MAP-136			Sheet No. 001 OF 001



- Legend**
- Scoping Area
 - Berwick Bank OWF Array Boundary
 - Berwick Bank Cambois ECR
 - Berwick Bank Branxton ECR
 - UK 12 Nautical Mile Limit
 - Scotland/England Territorial Waters

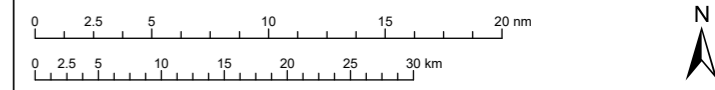
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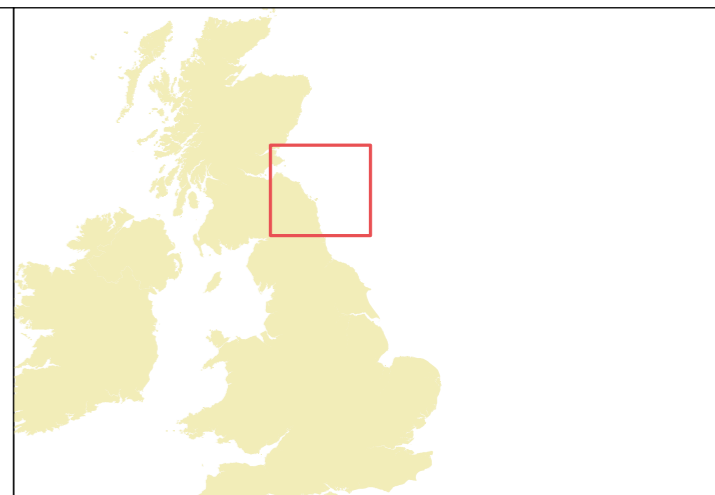
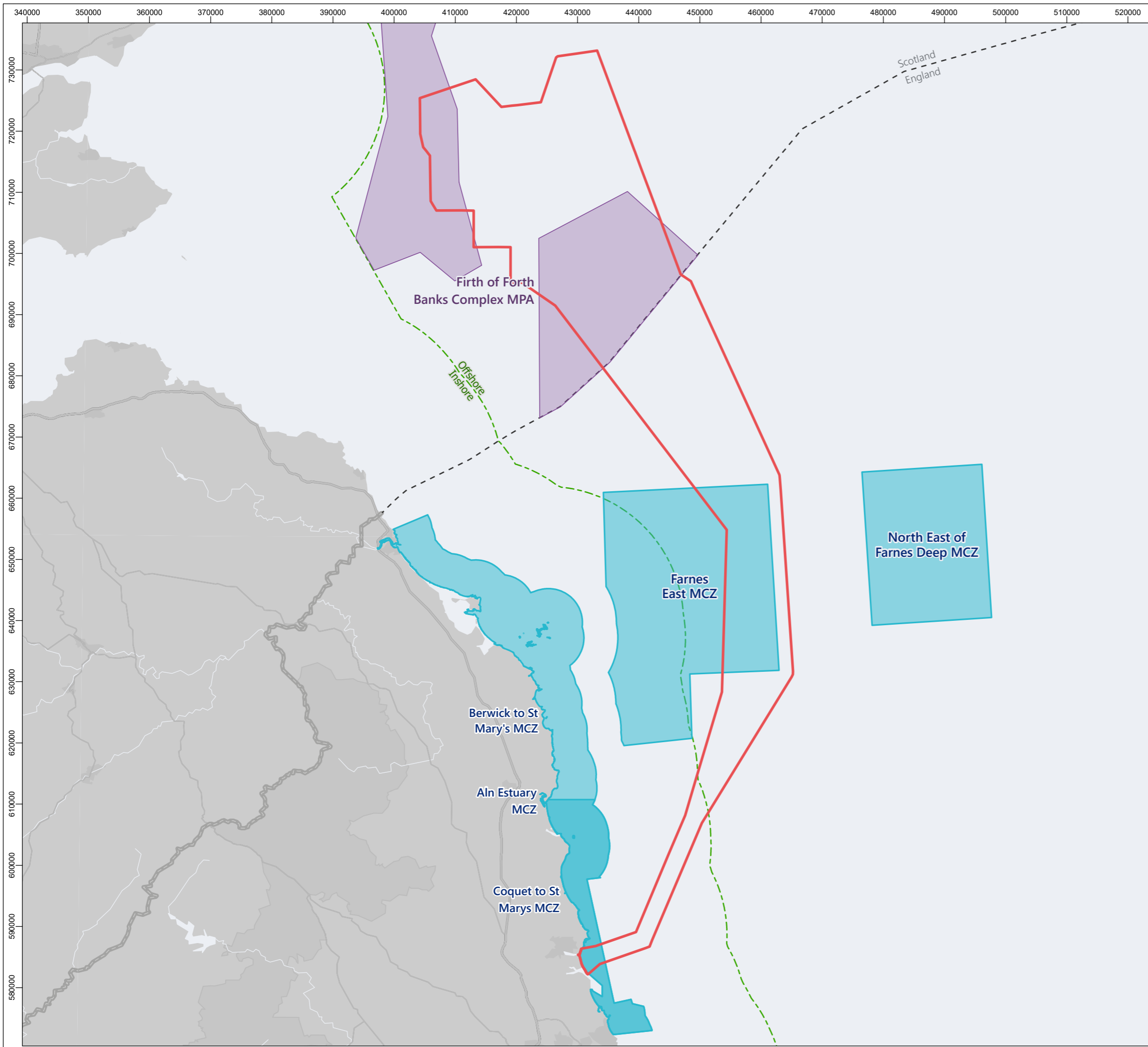
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Title
Figure 1-2 Offshore Location



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- Legend**
- Scoping Area
 - UK 12 Nautical Mile Limit
 - Scotland/England territorial waters
 - MCZ (Marine Conservation Zone)
 - NCMPA (Nature Conservation Marine Protected Area)

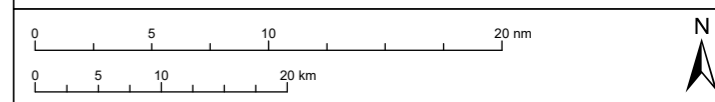
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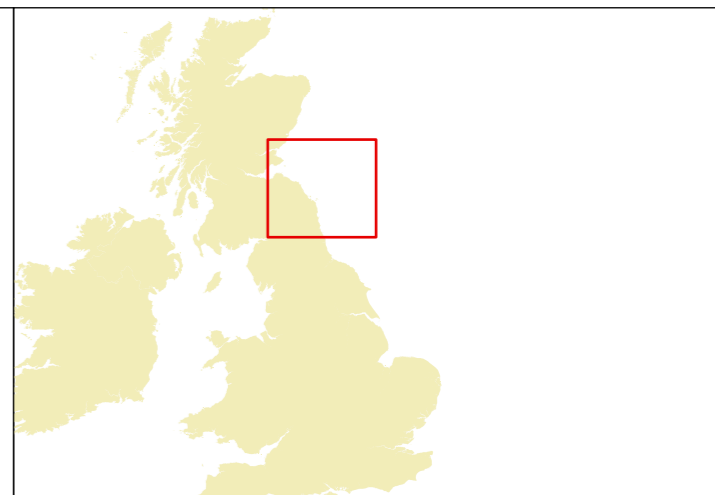
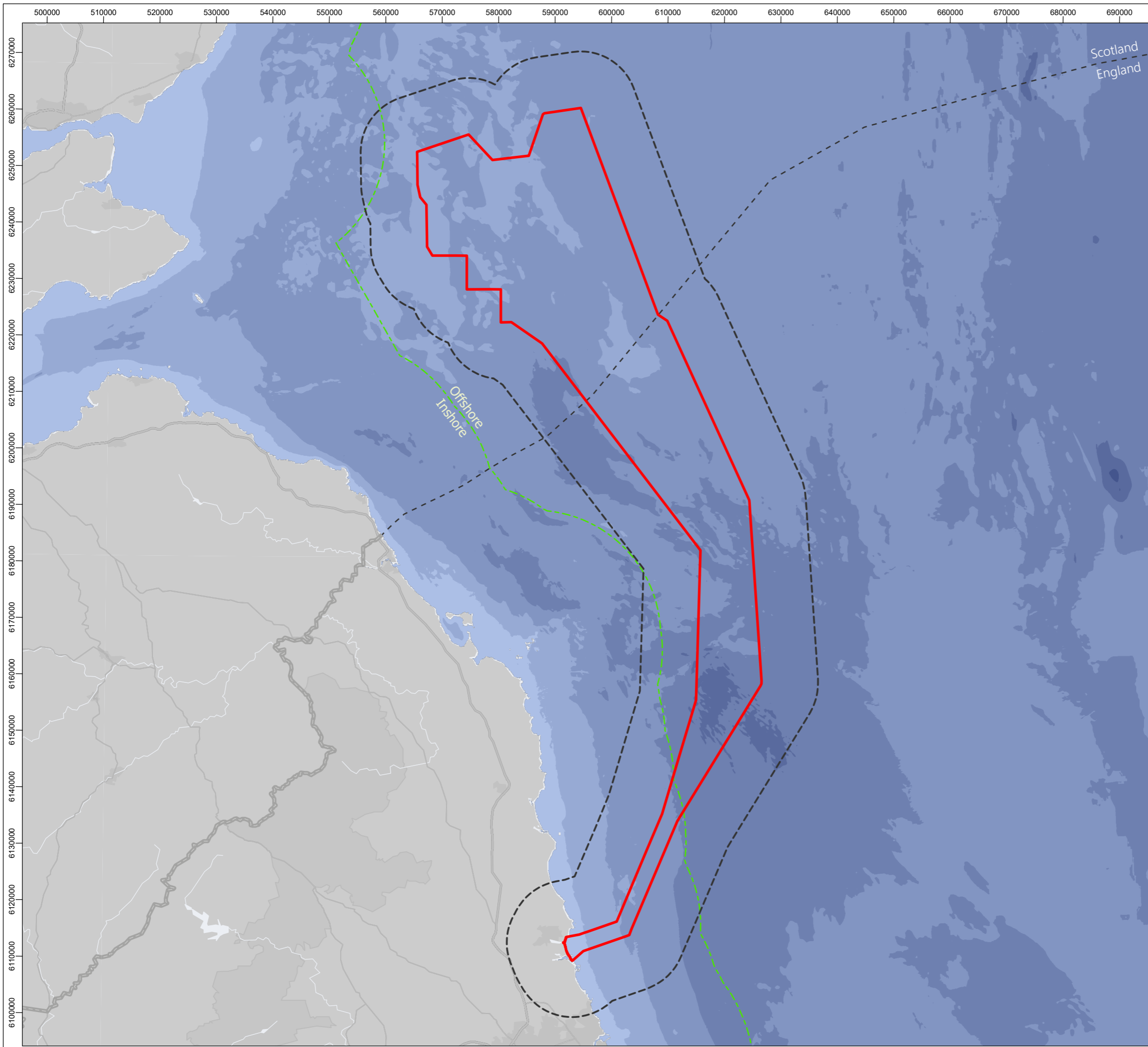
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Title
2-1 Key MCZ and MPA designations



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LF000010&11-DEV-MAP-137			001 OF 001



Legend

- Scoping Area
- Study Area
- UK 12 Nautical Mile Limit
- Scotland/England Territorial Waters

Bathymetry (m)

- 100 - 150
- 75 - 100
- 50 - 75
- 25 - 50
- 15 - 25
- <15

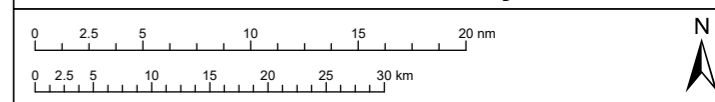
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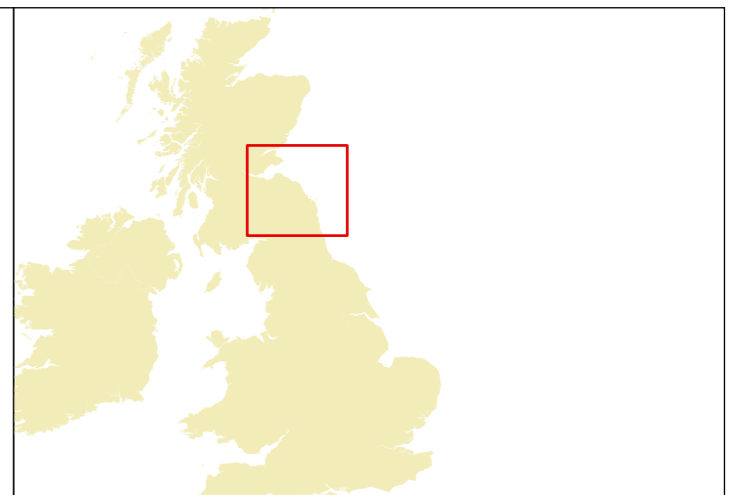
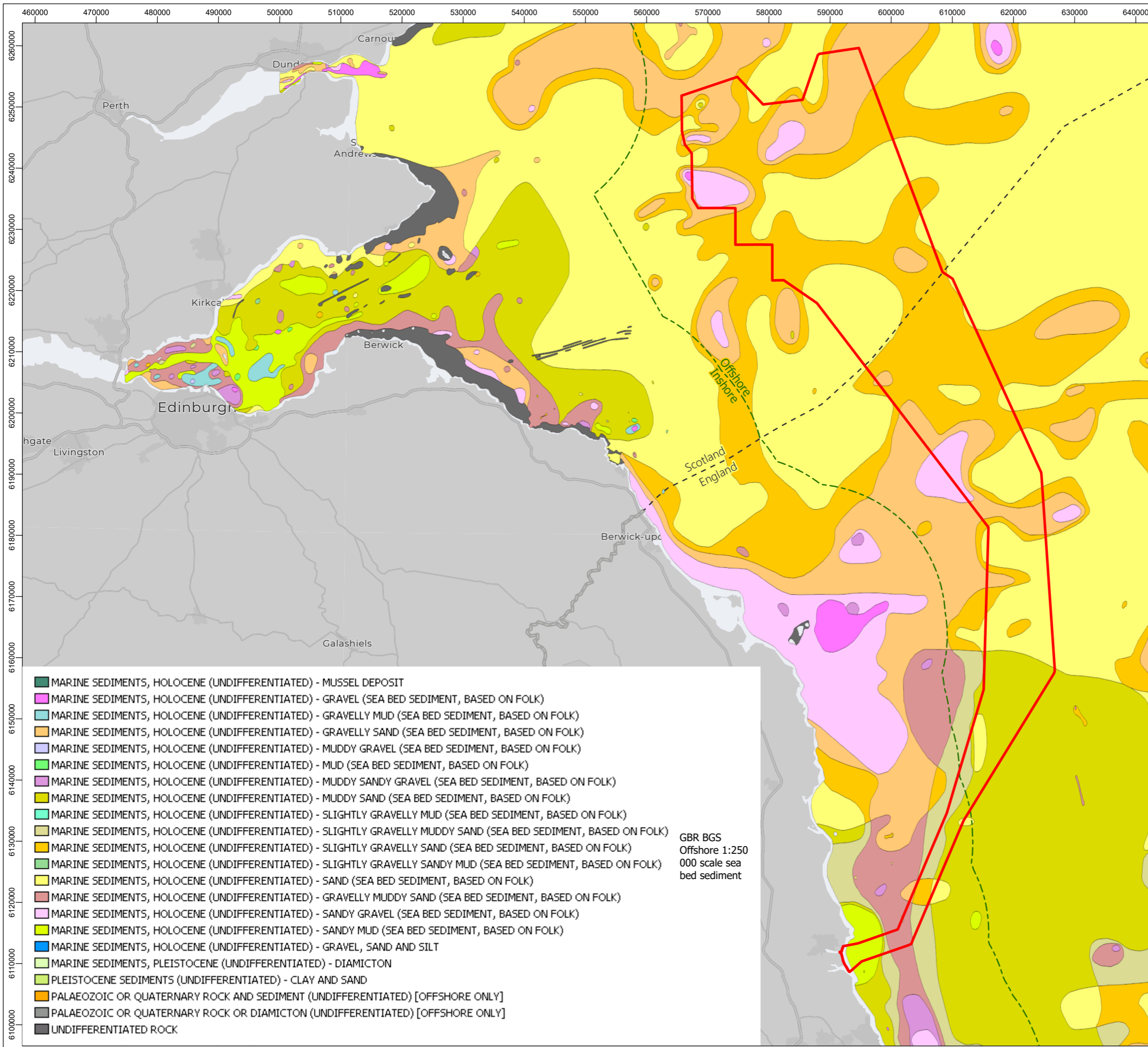
Project
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Title
Figure 6-1 Bathymetry across the offshore physical environment and seabed conditions study area



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LF000010&11-DEV-MAP-138	001 OF 001		



Legend

- Scoping Area
- UK 12 Nautical Mile Limit
- Scotland/England adjacent waters

- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - MUSSEL DEPOSIT
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - GRAVEL (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - GRAVELLY MUD (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - GRAVELLY SAND (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - MUDDY GRAVEL (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - MUD (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - MUDDY SANDY GRAVEL (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - MUDDY SAND (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - SLIGHTLY GRAVELLY MUD (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - SLIGHTLY GRAVELLY MUDDY SAND (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - SLIGHTLY GRAVELLY SAND (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - SLIGHTLY GRAVELLY SANDY MUD (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - SAND (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - GRAVELLY MUDDY SAND (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - SANDY GRAVEL (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - SANDY MUD (SEA BED SEDIMENT, BASED ON FOLK)
- MARINE SEDIMENTS, HOLOCENE (UNDIFFERENTIATED) - GRAVEL, SAND AND SILT
- MARINE SEDIMENTS, PLEISTOCENE (UNDIFFERENTIATED) - DIAMICTON
- PLEISTOCENE SEDIMENTS (UNDIFFERENTIATED) - CLAY AND SAND
- PALAEOZOIC OR QUATERNARY ROCK AND SEDIMENT (UNDIFFERENTIATED) [OFFSHORE ONLY]
- PALAEOZOIC OR QUATERNARY ROCK OR DIAMICTON (UNDIFFERENTIATED) [OFFSHORE ONLY]
- UNDIFFERENTIATED ROCK

GBR BGS
Offshore 1:250
000 scale sea
bed sediment

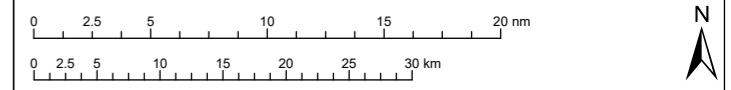
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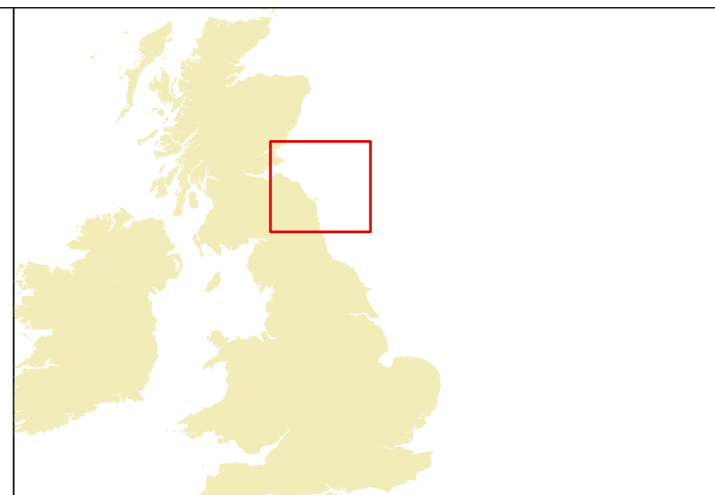
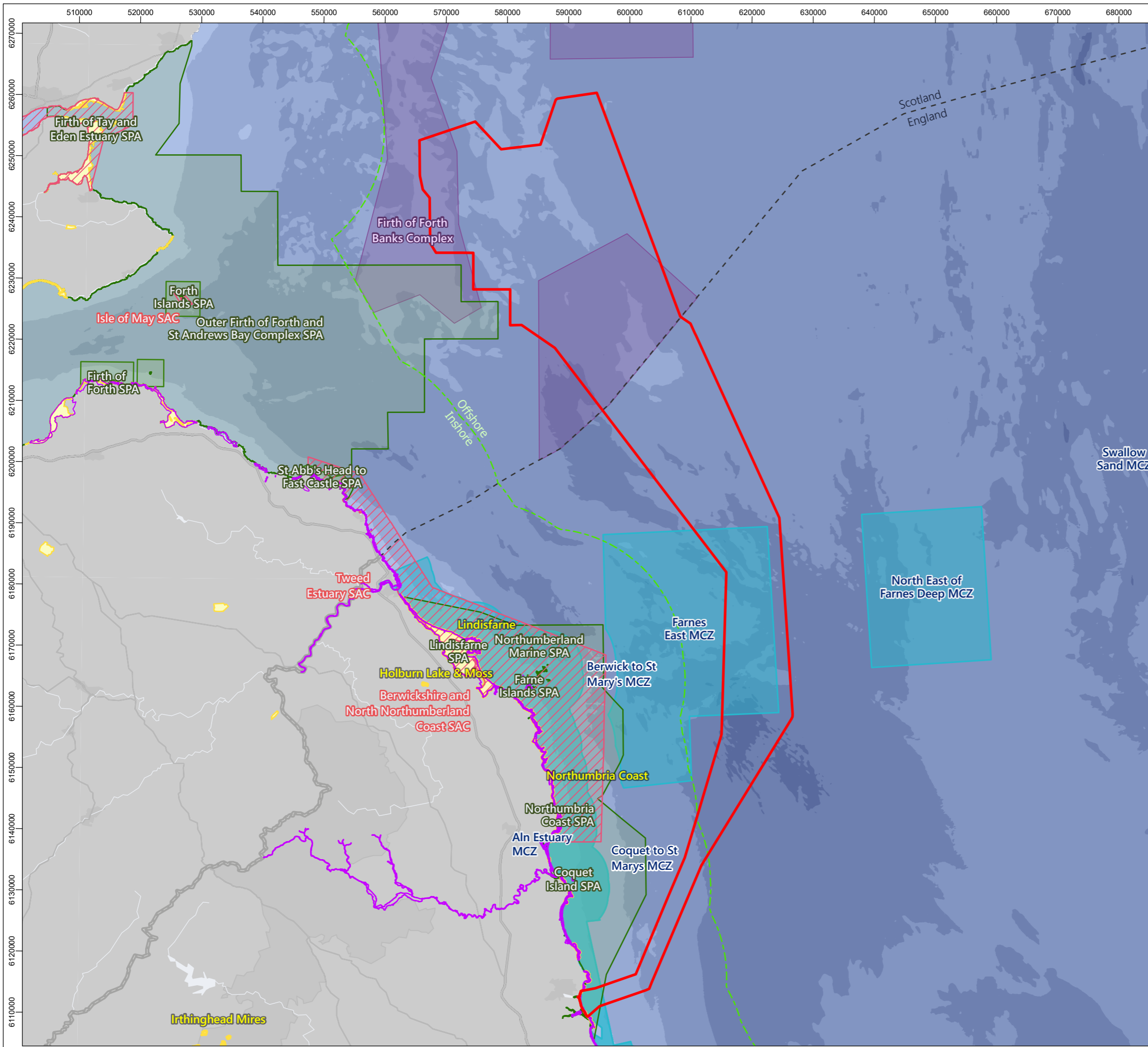
Project
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Title
Figure 6-2 Seabed sediments throughout the offshore physical environment and seabed conditions study area



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Scale	Plot Size	Datum	Projection
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Drawing Number	Sheet No.		
LF000010&11-DEV-MAP-139	001 OF 001		



Legend

- Scoping Area
- UK 12 Nautical Mile Limit
- Scotland/England Territorial Waters
- Bathymetry (m)
 - 75 -100
 - 50 -75
 - 25 -50
 - 15 -25
 - <math>< 15</math>
- SAC (Special Area of Conservation)
- SPA (Special Protection Area)
- NCMPA (Nature Conservation Marine Protected Area)
- MCZ (Marine Conservation Zone)
- SSSI (Site of Special Scientific Interest)
- Ramsar

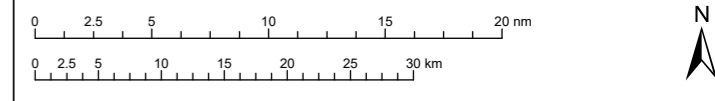
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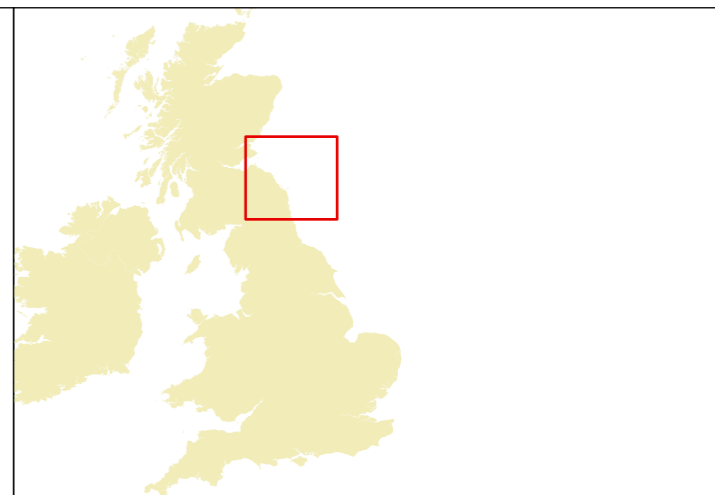
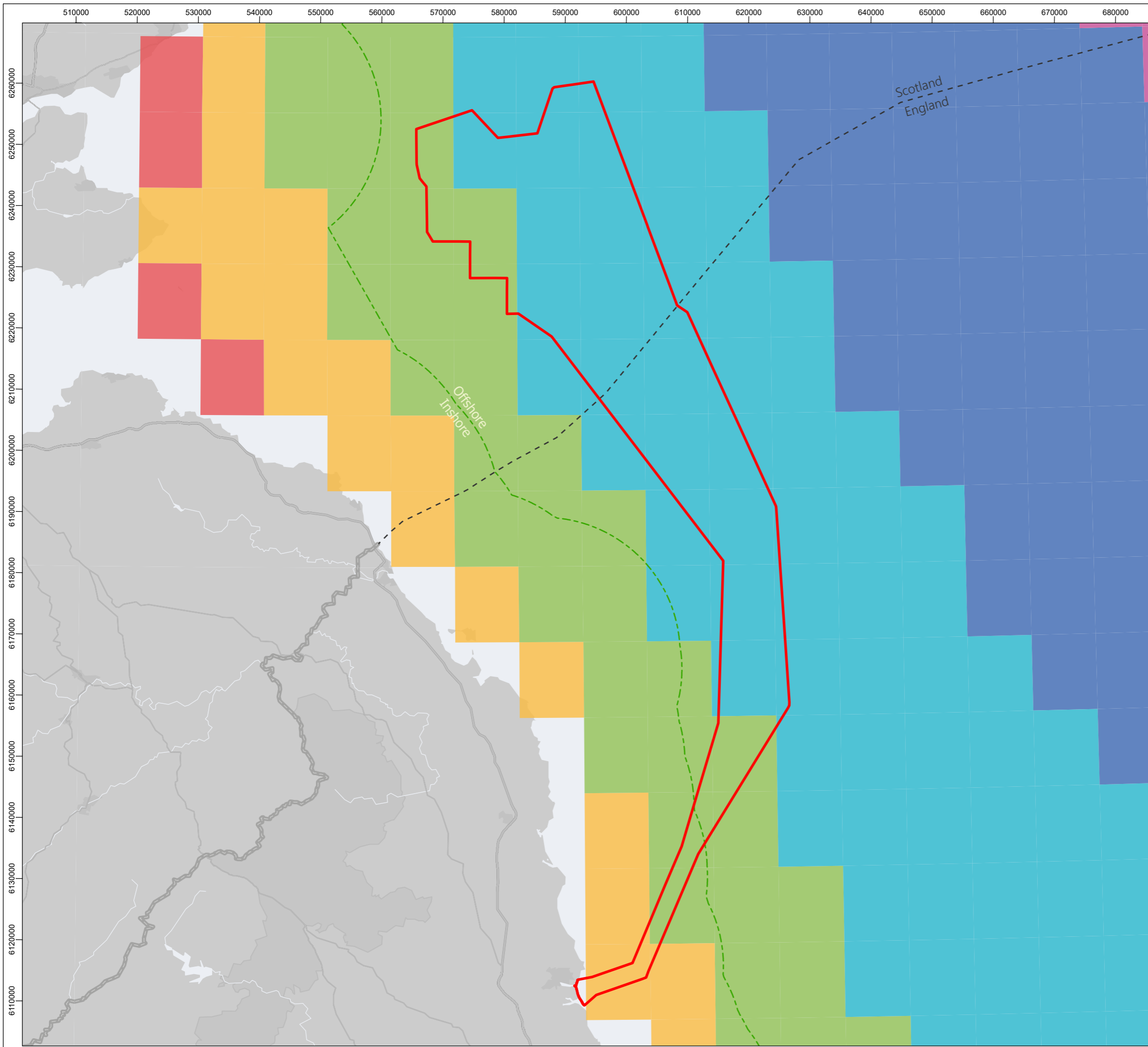
Project
CAMBOIS CONNECTION

Title
Figure 6-3 Key Designated Sites in Proximity to the Marine Scheme



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Drawing Number LF000010&11-DEV-MAP-140			Sheet No. 001 OF 001



Legend

- Scoping Area
- UK 12 Nautical Mile Limit
- Scotland/England Territorial Waters

Mean significant wave height (Renewables Atlas, 7 year annual, m)

- 0.57 - 1.00
- 1.01 - 1.25
- 1.26 - 1.50
- 1.51 - 1.75
- 1.76 - 2.00
- 2.01 - 2.25

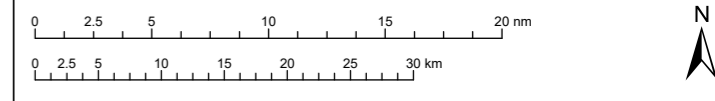
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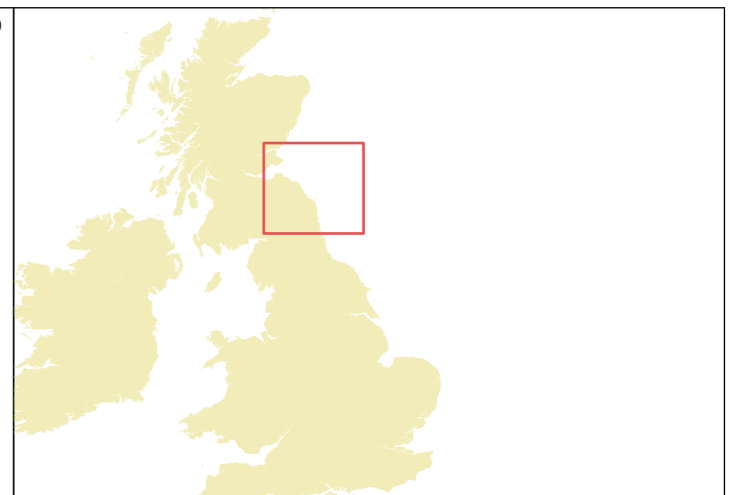
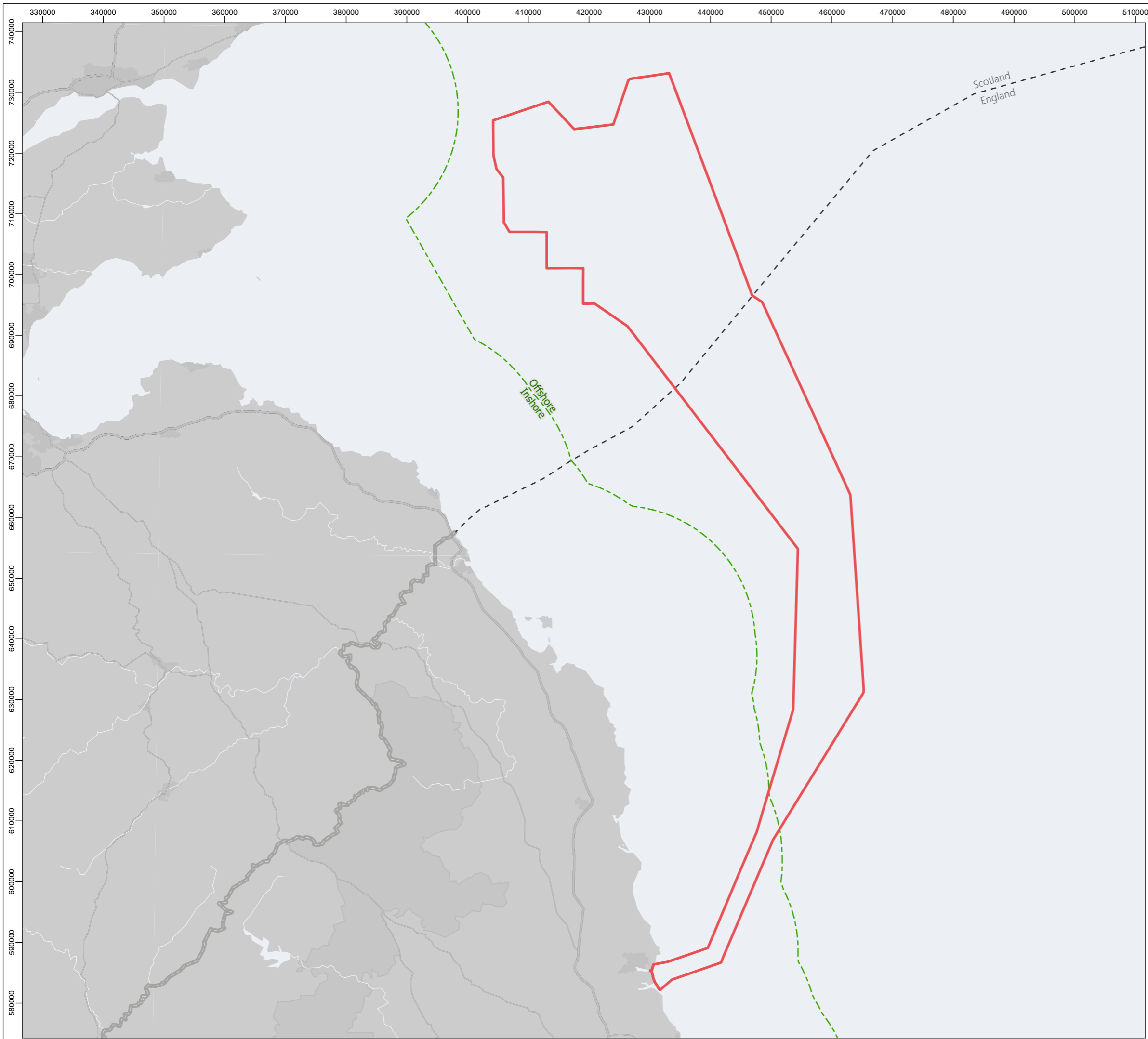
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Title
Figure 6-4 Wave regime within the offshore physical environment and seabed conditions study area



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- Legend**
- Scoping Area
 - UK 12 Nautical Mile Limit
 - Scotland/England territorial waters

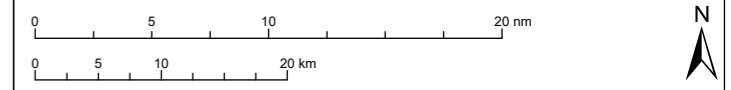
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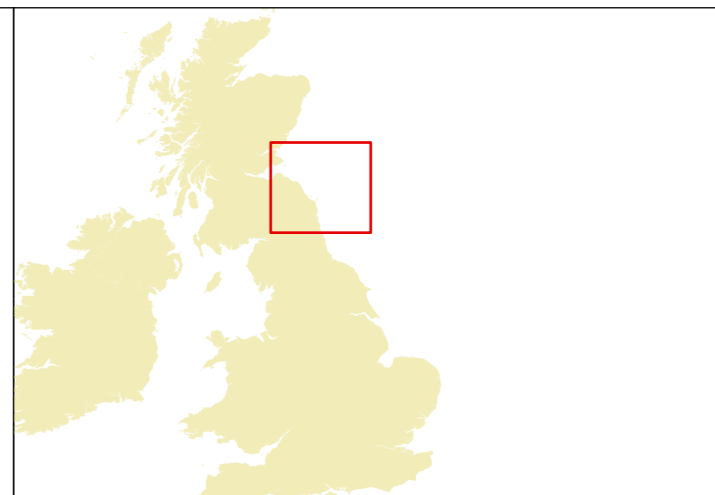
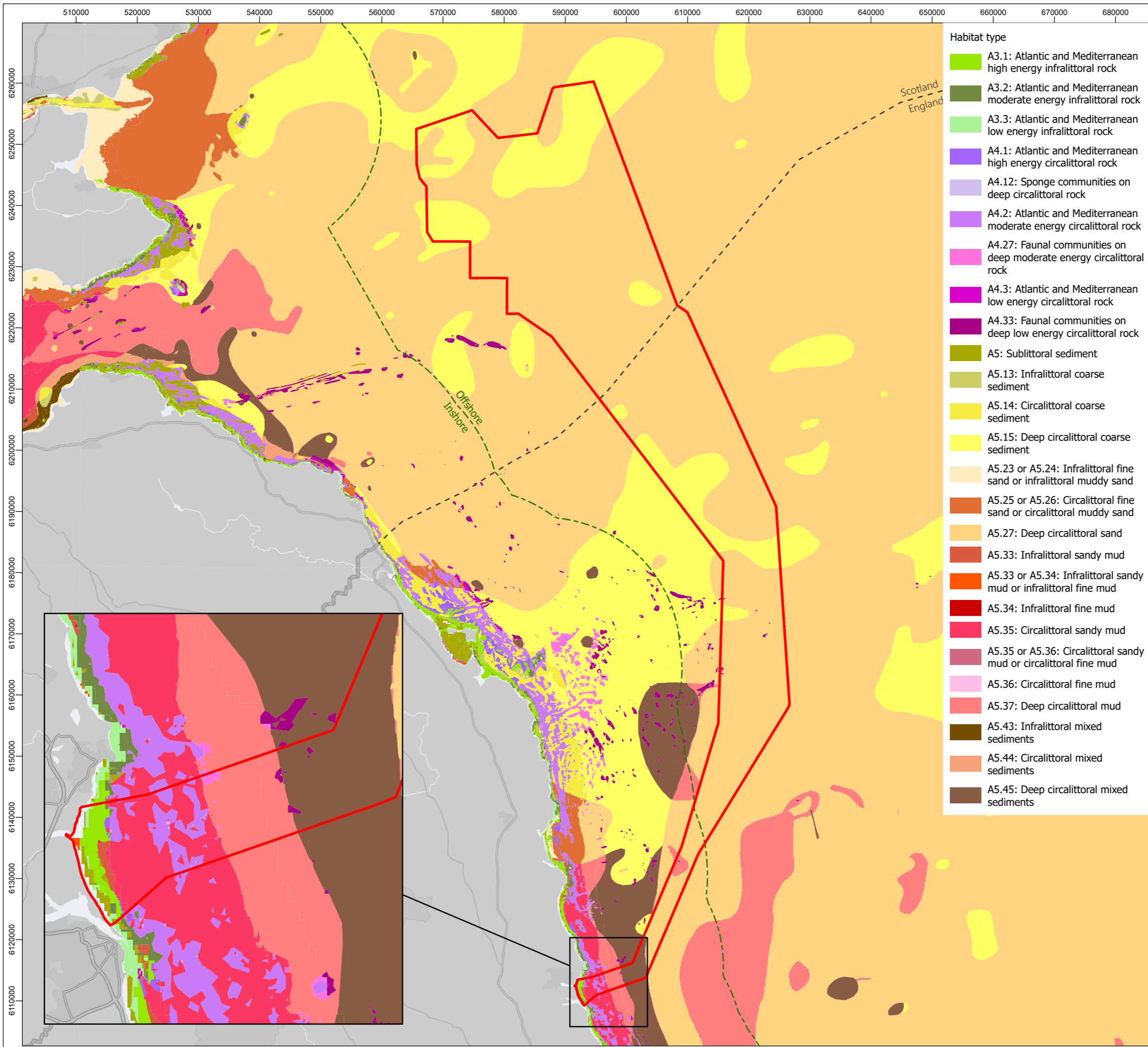
Project
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Title
Figure 8-1 Benthic and intertidal ecology study area



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Drawing Number			Sheet No.
LF000010&11-DEV-MAP-143			001 OF 001



Legend

- Scoping Area
- UK 12 Nautical Mile Limit
- Scotland/England Territorial Waters

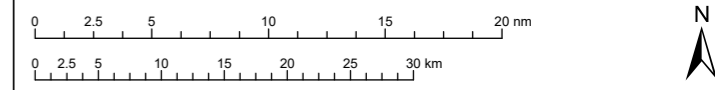
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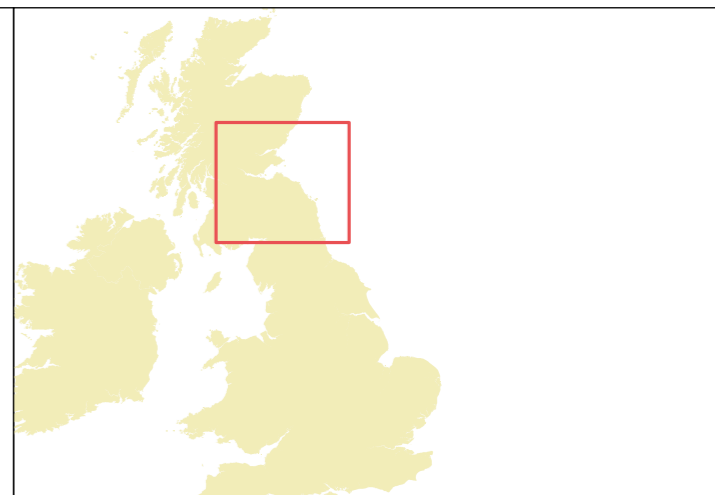
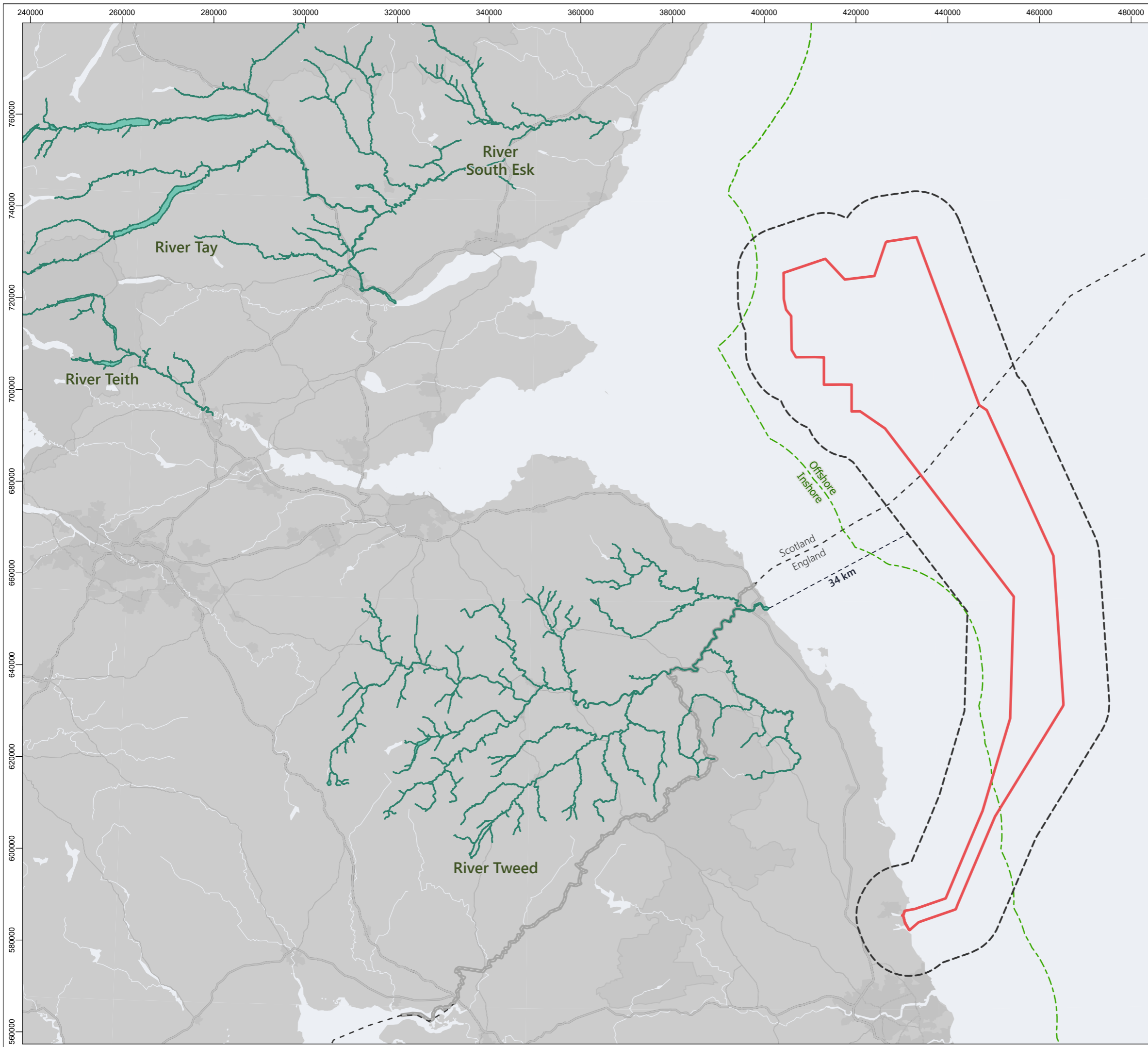
Project **CAMBOIS CONNECTION**

Title **Figure 8-2 Benthic habitat classifications throughout the benthic subtidal and intertidal ecology study area**



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Drawing Number	LF000010&11-DEV-MAP-145		Sheet No.
			001 OF 001



Legend

- Scoping Area
- Study Area
- UK 12 Nautical Mile Limit
- Scotland/England adjacent waters
- Special Area of Conservation (SAC) designated for migratory fish

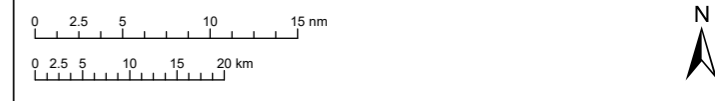
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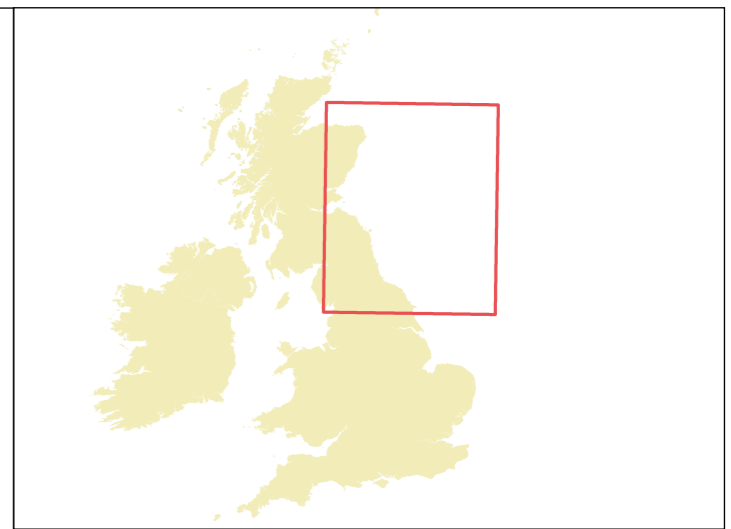
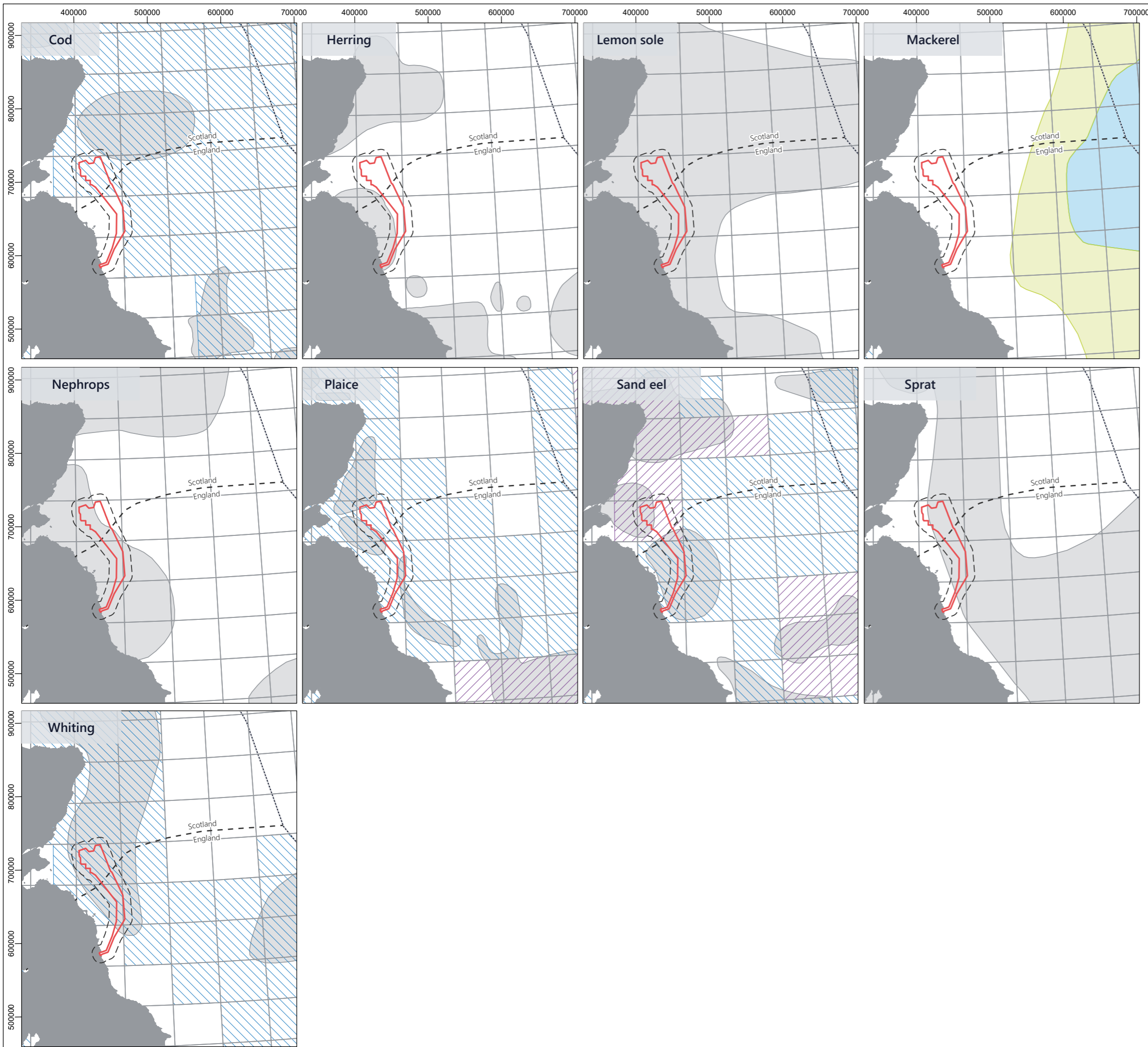
Project **CAMBOIS CONNECTION**

Title **Figure 9-1 River SACs relevant to the movement of diadromous species within the fish and shellfish ecology study area**



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Scale	Plot Size	Datum	Projection
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Drawing Number			Sheet No.
LF000010&11-DEV-MAP-147			001 OF 001



Legend

- Scoping Area
- Study Area
- ICES rectangle
- Scotland/England Territorial Waters
- EEZ boundary

Spawning ground intensity (*Ellis et al., 2012*)

Intensity

- High
- Low

Spawning ground (*Coull et al, 1998*)

Intensity

- High
- Low
- Undetermined

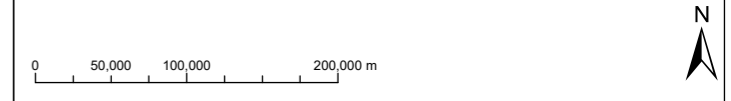
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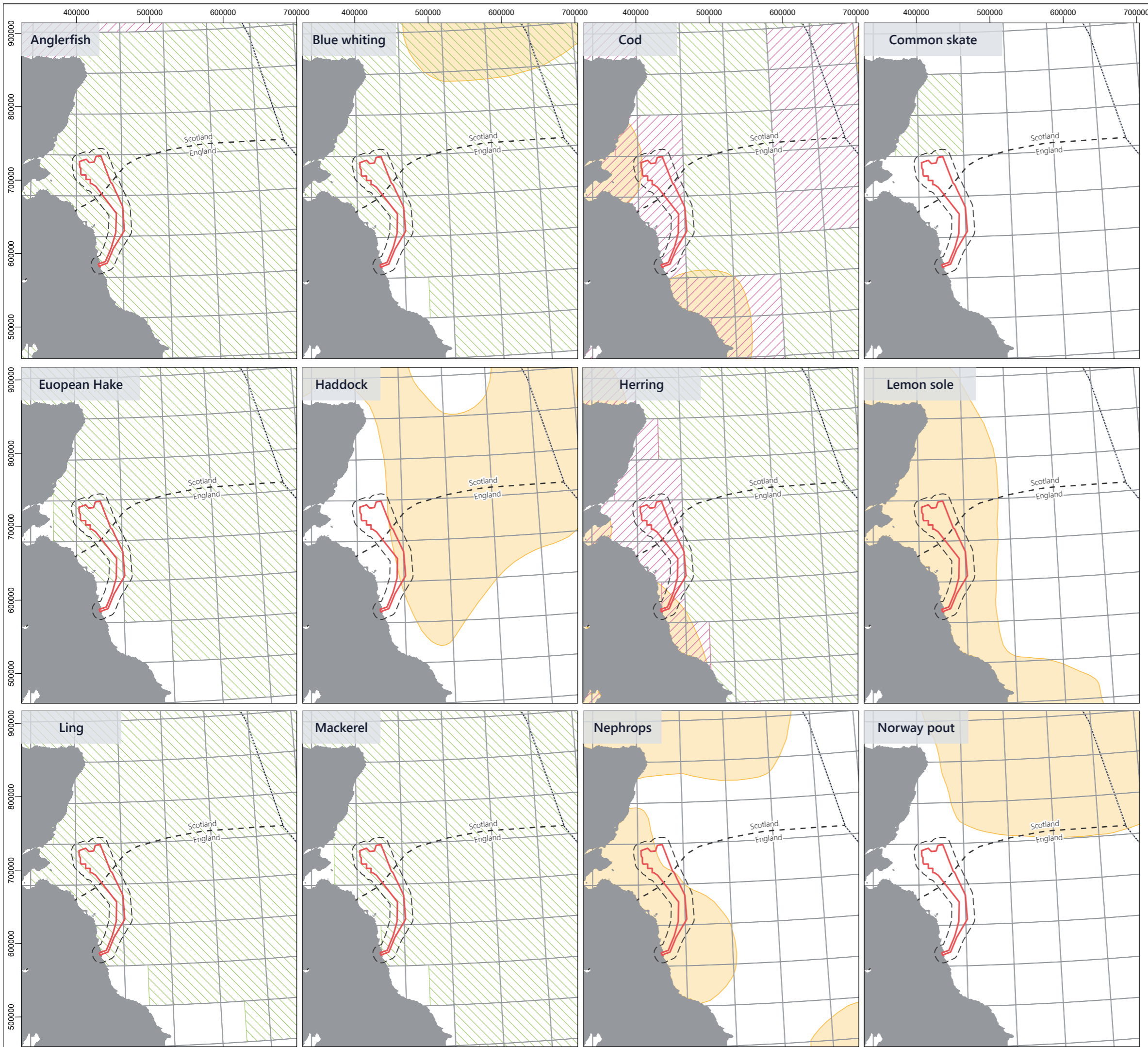
Project
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Title
Figure 9-2 Spawning grounds of fish within the fish and shellfish ecology study area



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Drawing Number			Sheet No.
LF000010&11-DEV-MAP-148			001 OF 001



Legend

- Scoping Area
- Study Area
- ICES rectangle
- Scotland/England Territorial Waters

Nursery ground intensity (Ellis et al., 2012)

Intensity

- High
- Low

Nursery ground (Coul et al, 1998)

- Present

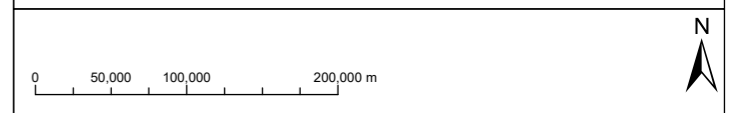
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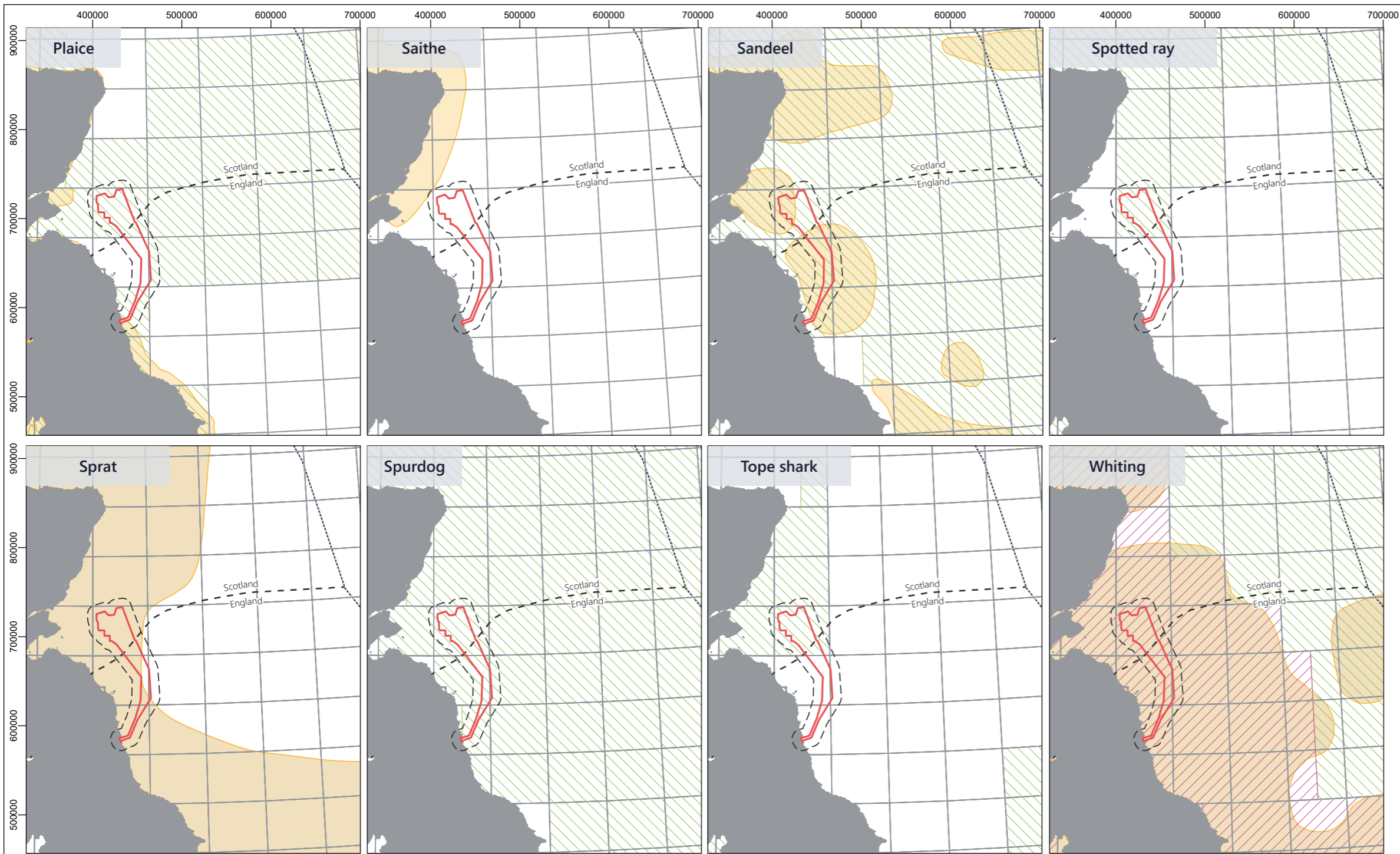
Project
CAMBOIS CONNECTION

Title
Figure 9-3 Nursery grounds of fish within the fish and shellfish ecology study area (A)



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Drawing Number	LF000010&11-DEV-MAP-149		Sheet No.
			001 OF 001



Legend

- Scoping Area
- Study Area
- Berwick Bank OWF Array Boundary
- Berwick Bank Cambois ECR
- Berwick Bank Branxton ECR
- Scotland/England Territorial Waters
- ICES Rectangle
- EEZ boundary

Nursery ground (Ellis *et al*, 2012)

Intensity

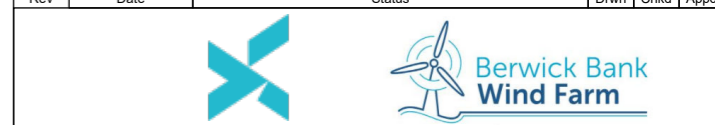
- High
- Low

Nursery ground (Coul *et al*, 1998)

- Present

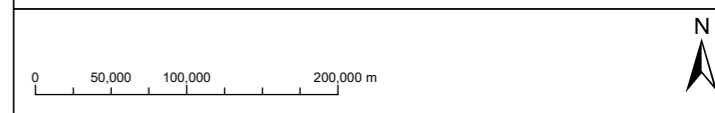
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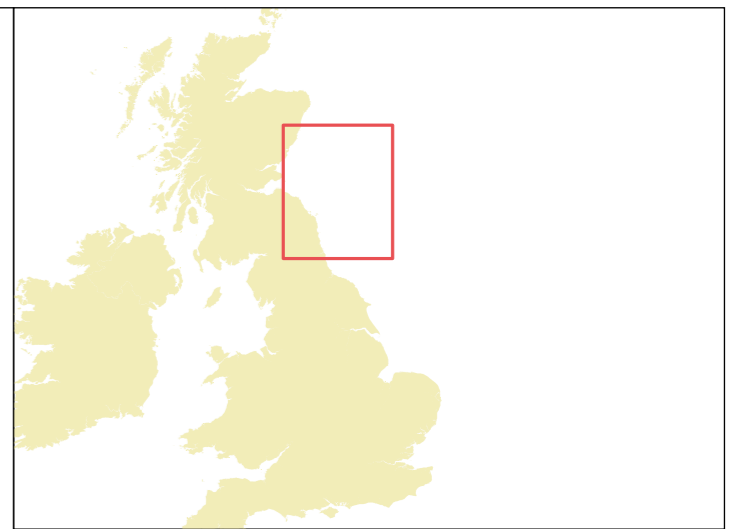
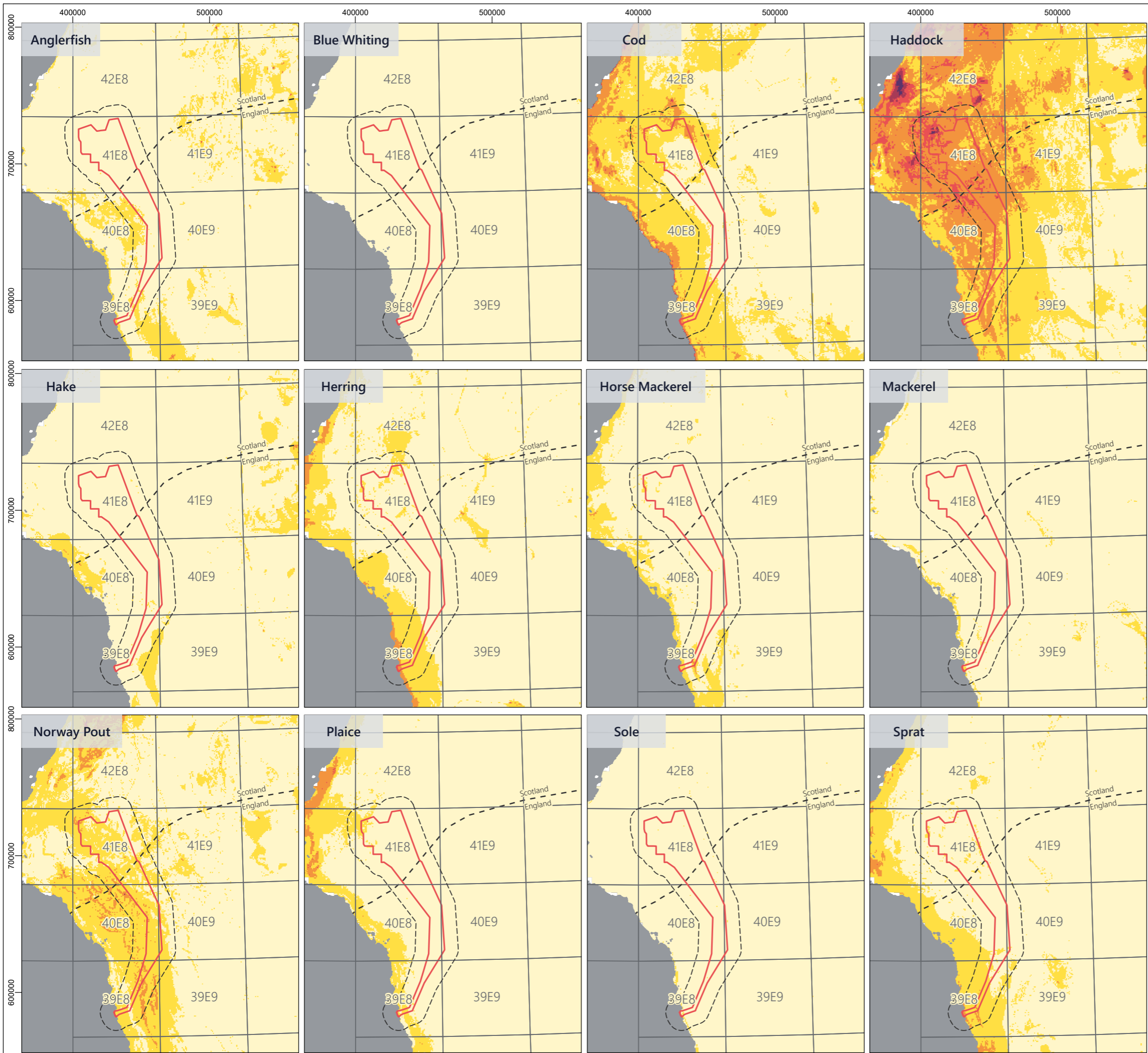
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Title
Figure 9-4 Nursery grounds of fish within the fish and shellfish ecology study area (B)



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LF000010&11-DEV-MAP-150			001 OF 001

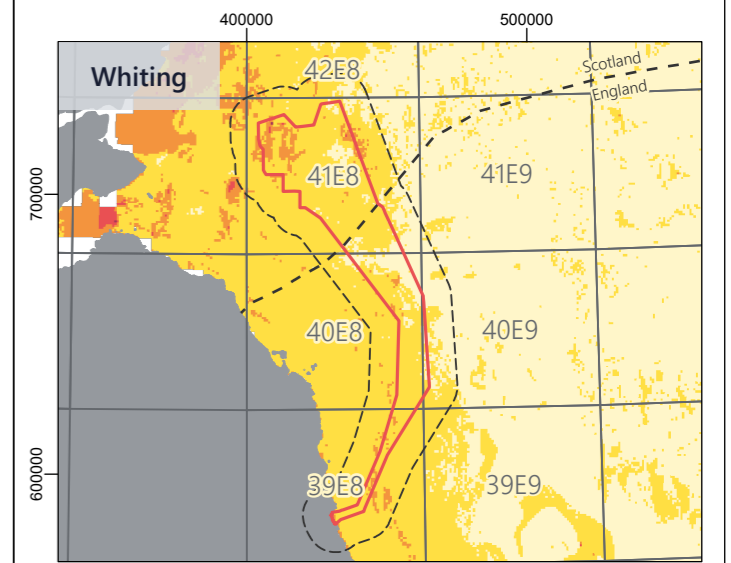


Legend

- Scoping Area
- Study Area
- Scotland/England Territorial Waters
- ICES Rectangles
- EEZ boundary

Probability of aggregates of <1 year old fish

- 0.8 - 1
- 0.6 - 0.8
- 0.4 - 0.6
- 0.2 - 0.4
- 0.05 - 0.2
- 0.000001 - 0.05



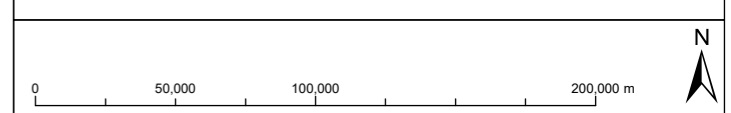
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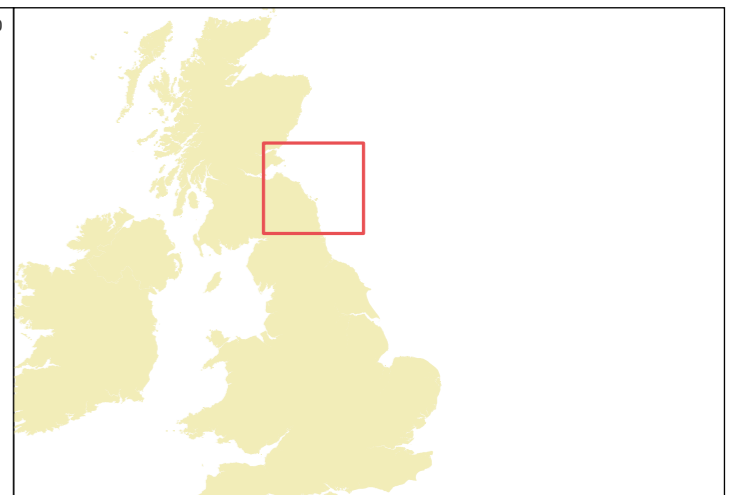
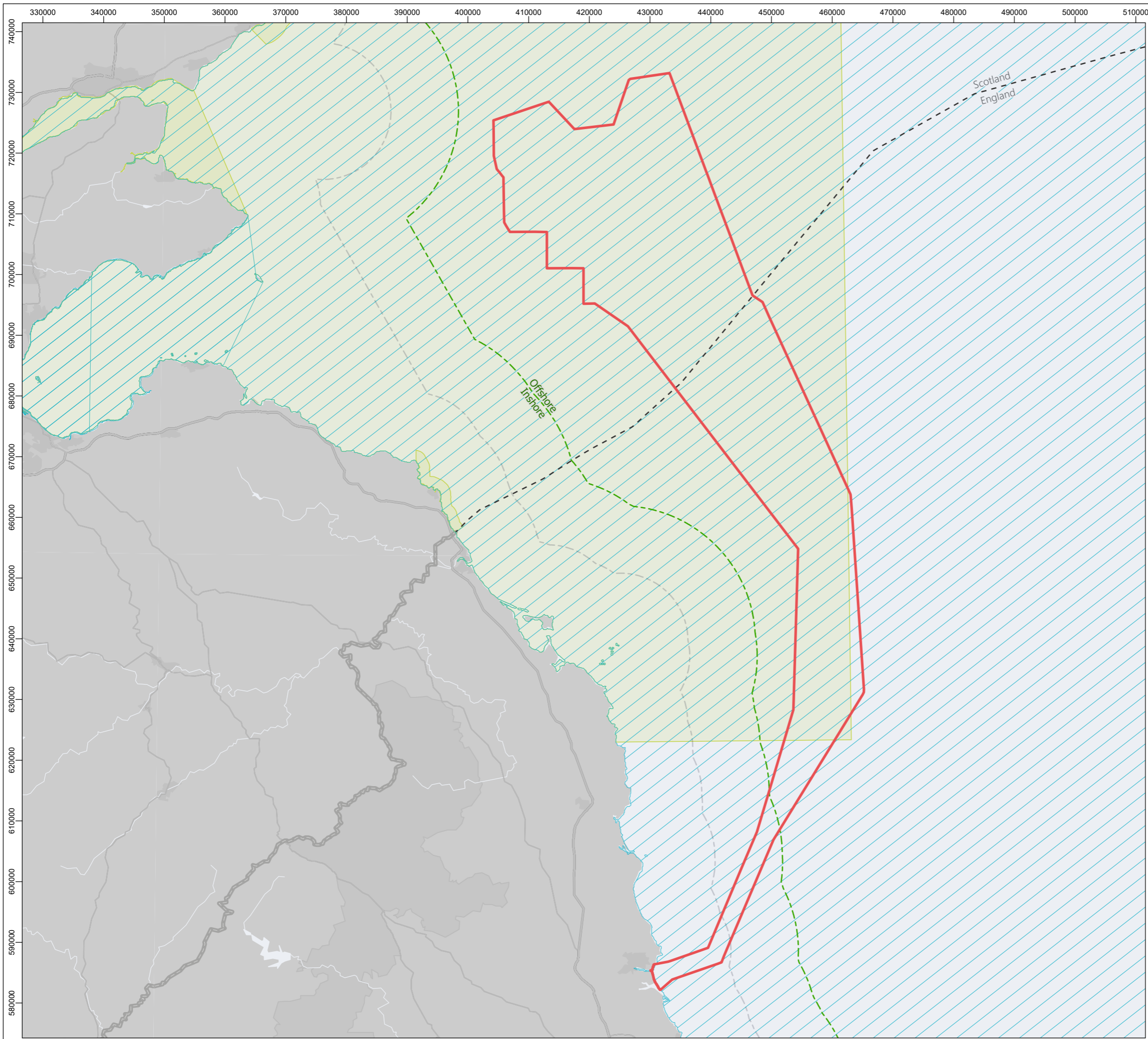
Project **CAMBOIS CONNECTION**

Title **Figure 9-5 Aggregations of fish <1 year within the fish and shellfish ecology study area**



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LF000010&11-DEV-MAP-151	001 OF 001		



Legend

- Scoping Area
- UK 12 Nautical Mile Limit
- 6 nm territorial limit
- Scotland/England territorial waters
- EEZ Boundary

Restricted Fishing Area

- Prohibited/ Permanent: Fishing for sandeel with any towed gear with a codend mesh size less than 32
- Restricted/ Permanent: It prohibited for United Kingdom fishing vessels, as well as for any commercial fisheries from shore, to fish for European seabass in ICES divisions 4b and 4c, and in ICES subarea 7. It is prohibited to retain, tranship, relocate or land European seabass

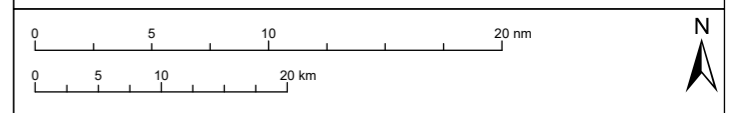
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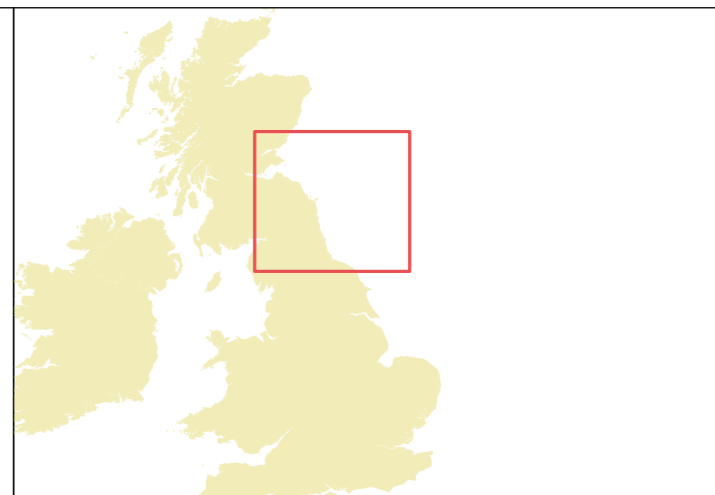
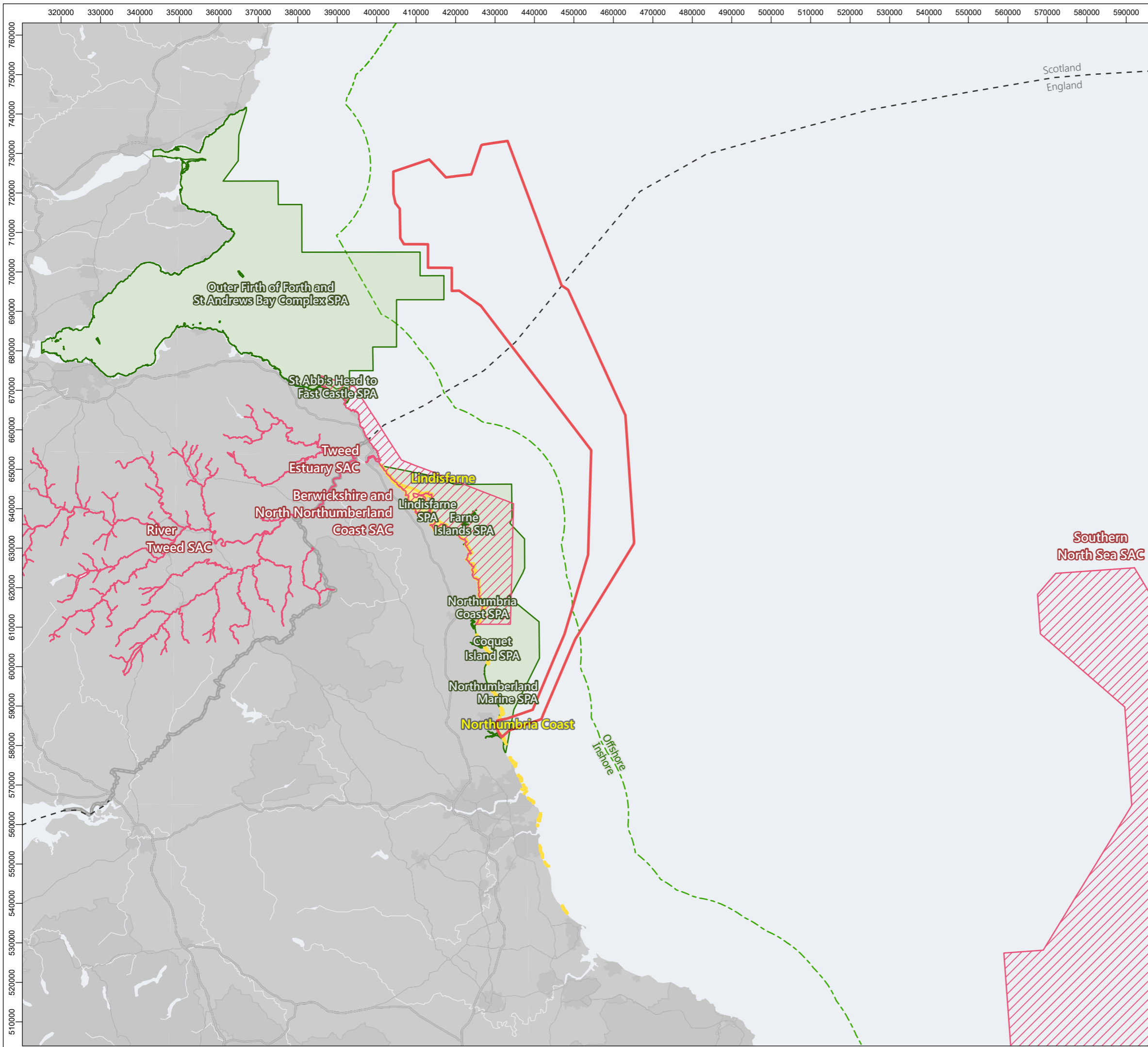
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Title
Figure 9-6 Fisheries - Protected Sites



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Drawing Number	LF000010&11-DEV-MAP-152		Sheet No.
			001 OF 001



Legend

- Scoping Area
- UK 12 Nautical Mile Limit
- Scotland/England territorial waters
- SAC (Special Area of Conservation)
- SPA (Special Protection Area)
- Ramsar

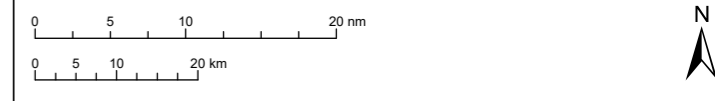
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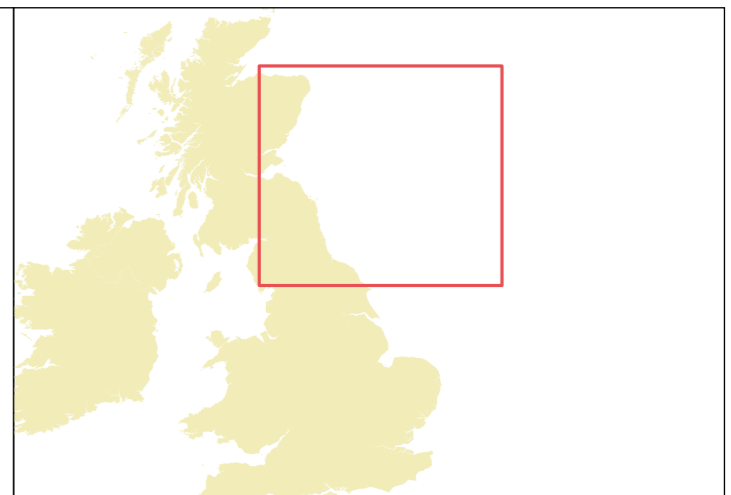
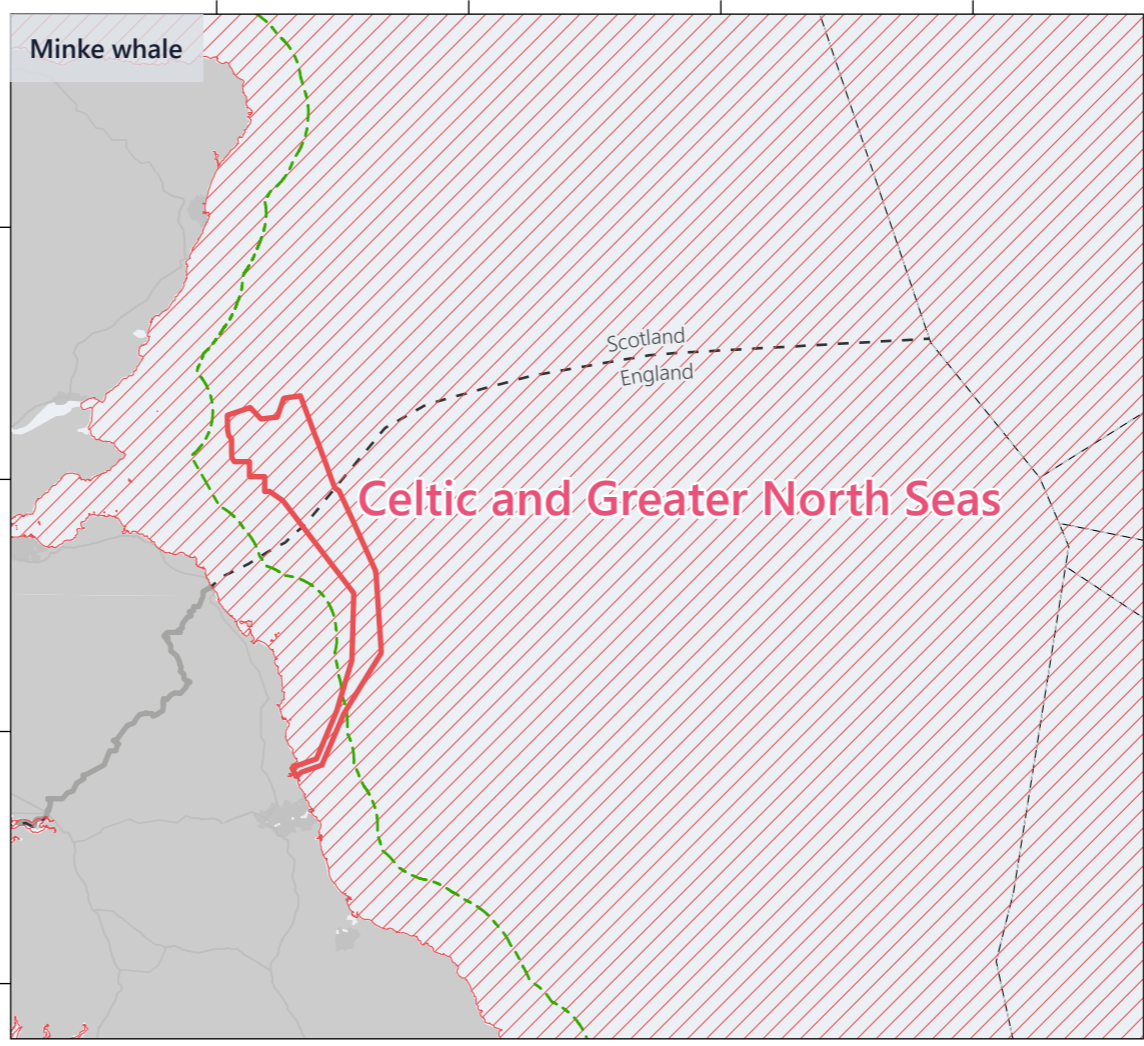
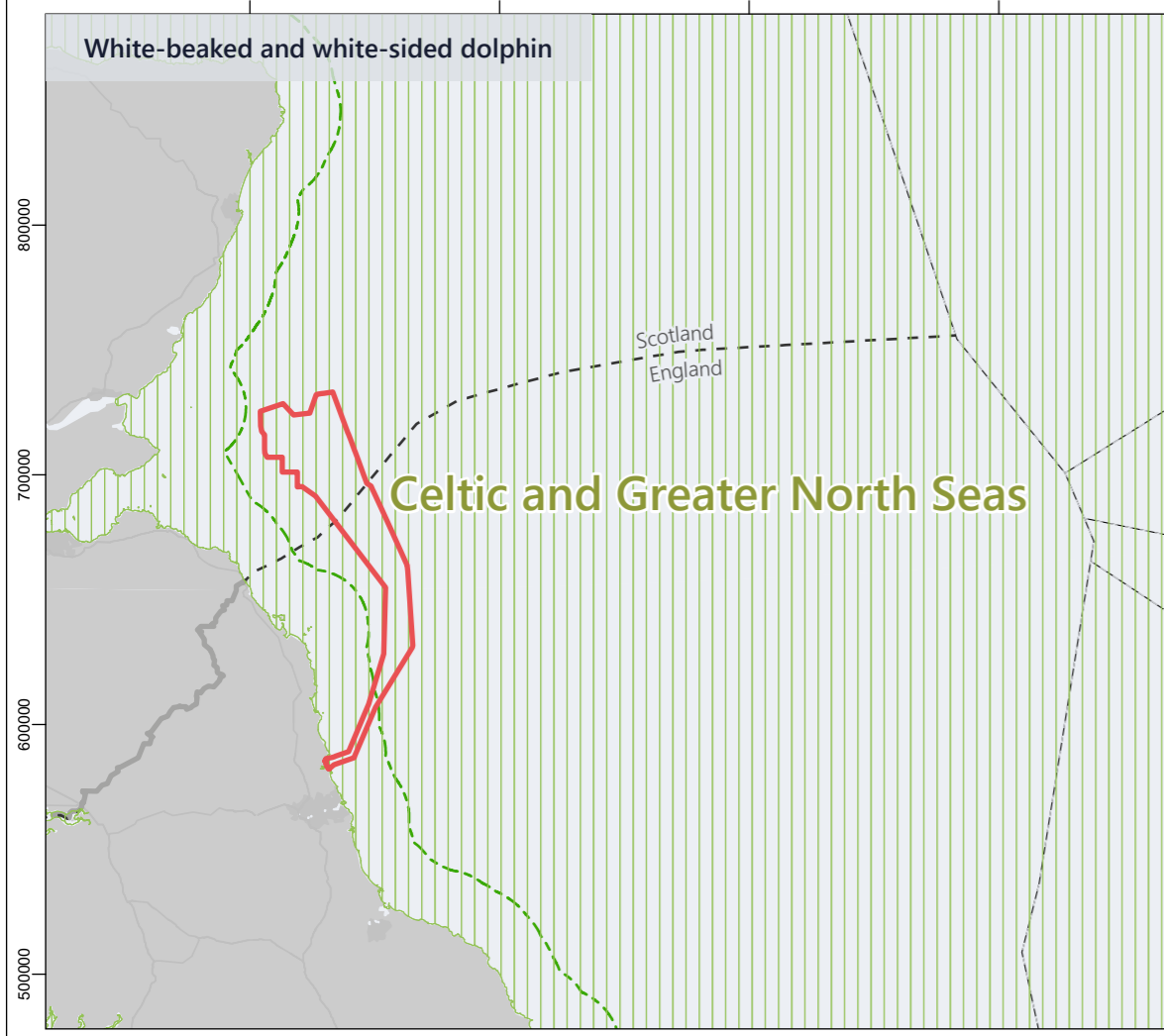
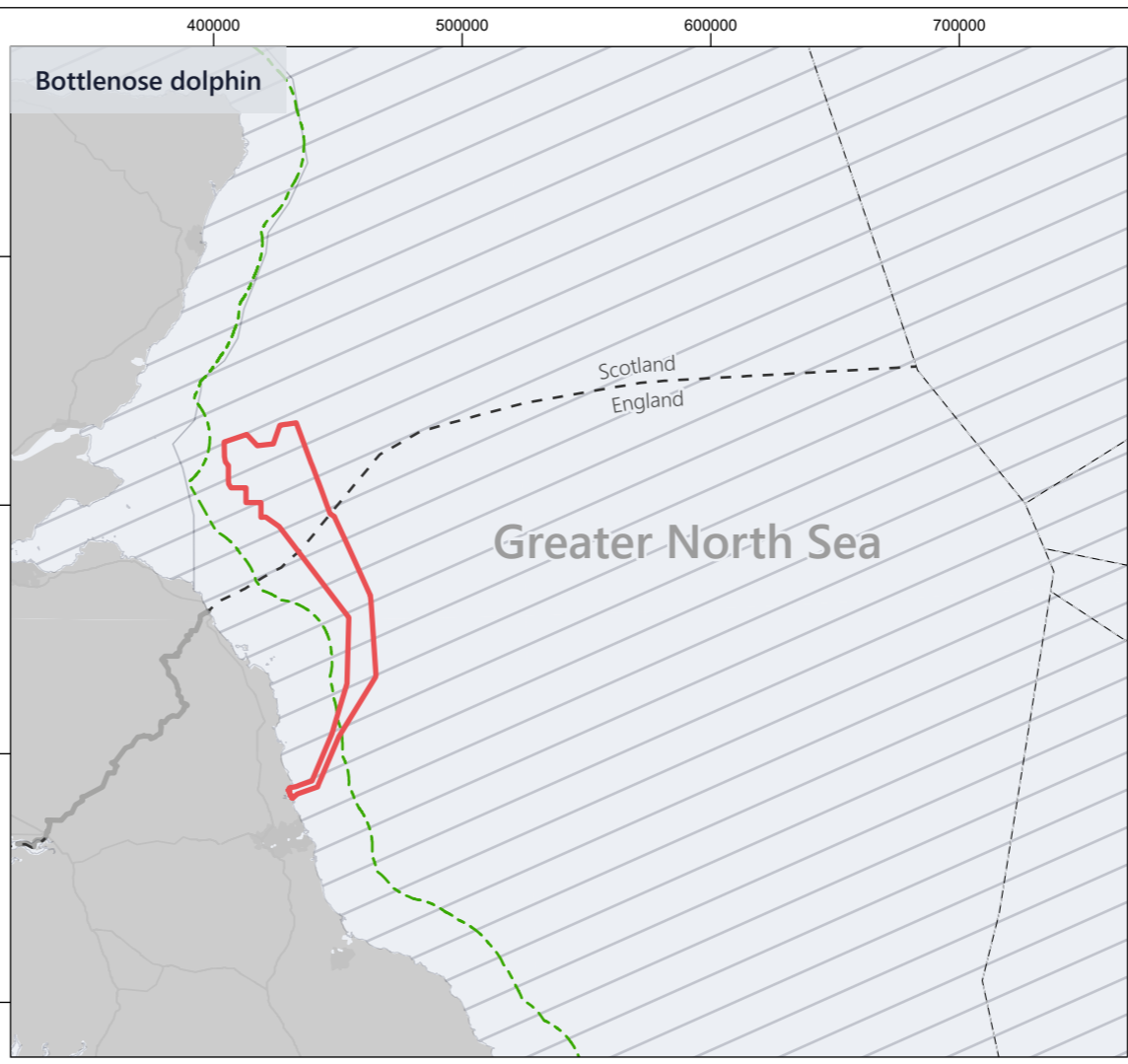
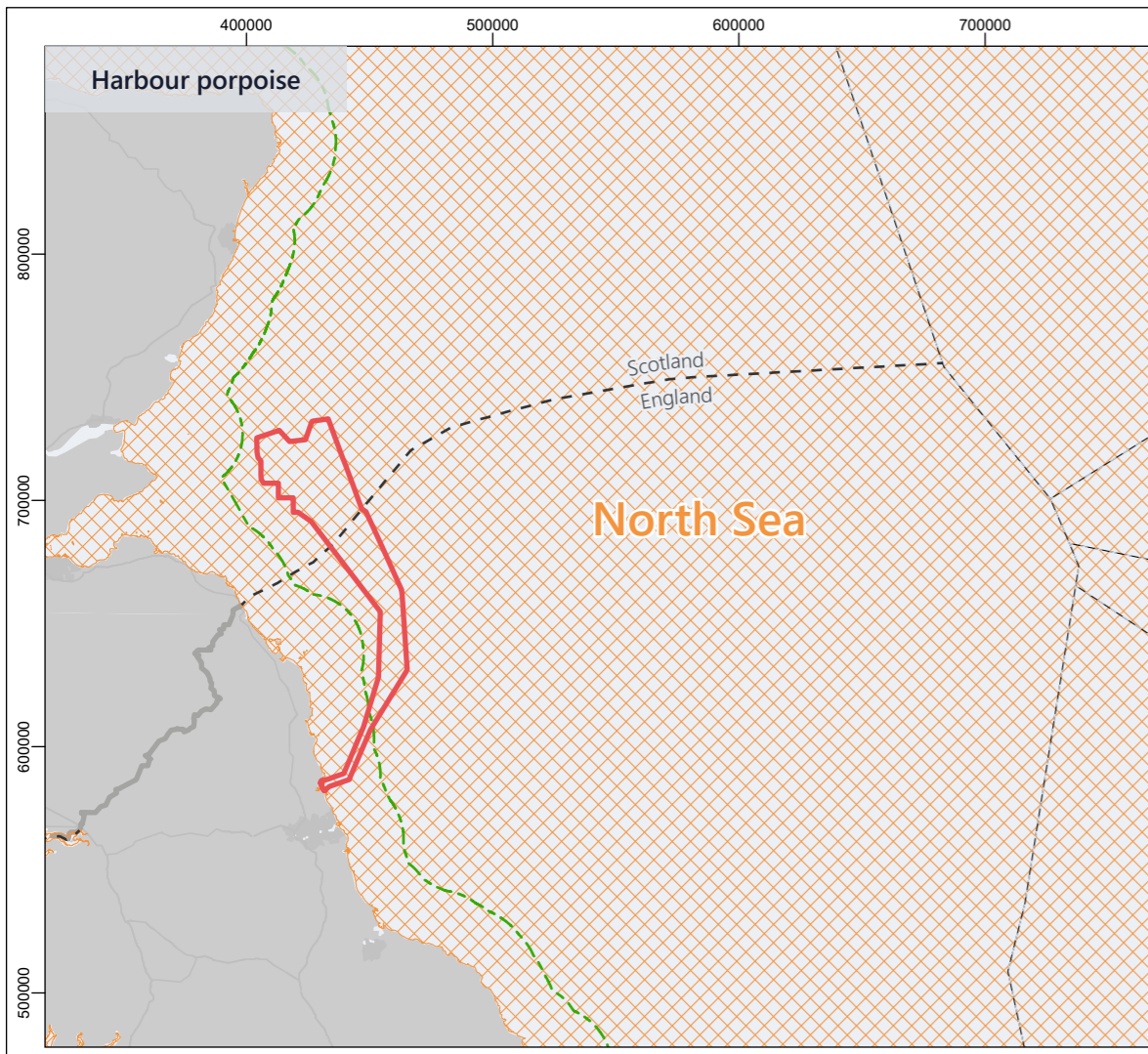
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Title
Figure 11-1 Key Designated Sites



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LF000010&11-DEV-MAP-153	001 OF 001		



Legend

- Scoping Area
- UK 12 Nautical Mile Limit
- Scotland/England adjacent waters
- EEZ Boundary

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Figure 11-2 SCANS III data marine mammal distribution throughout the UKCS

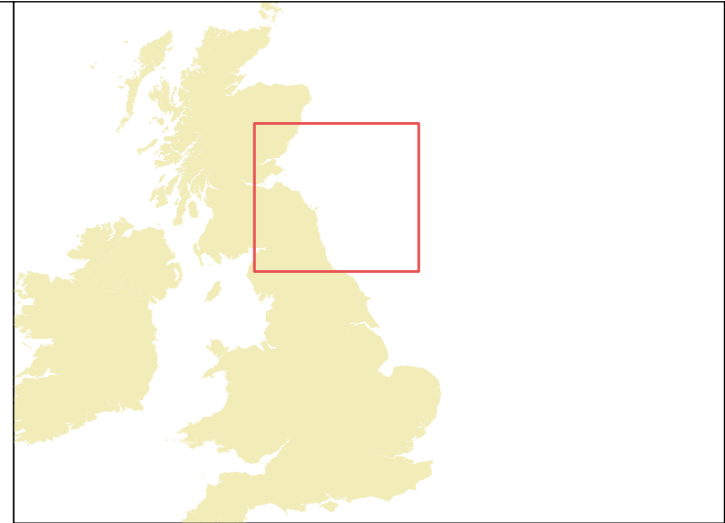
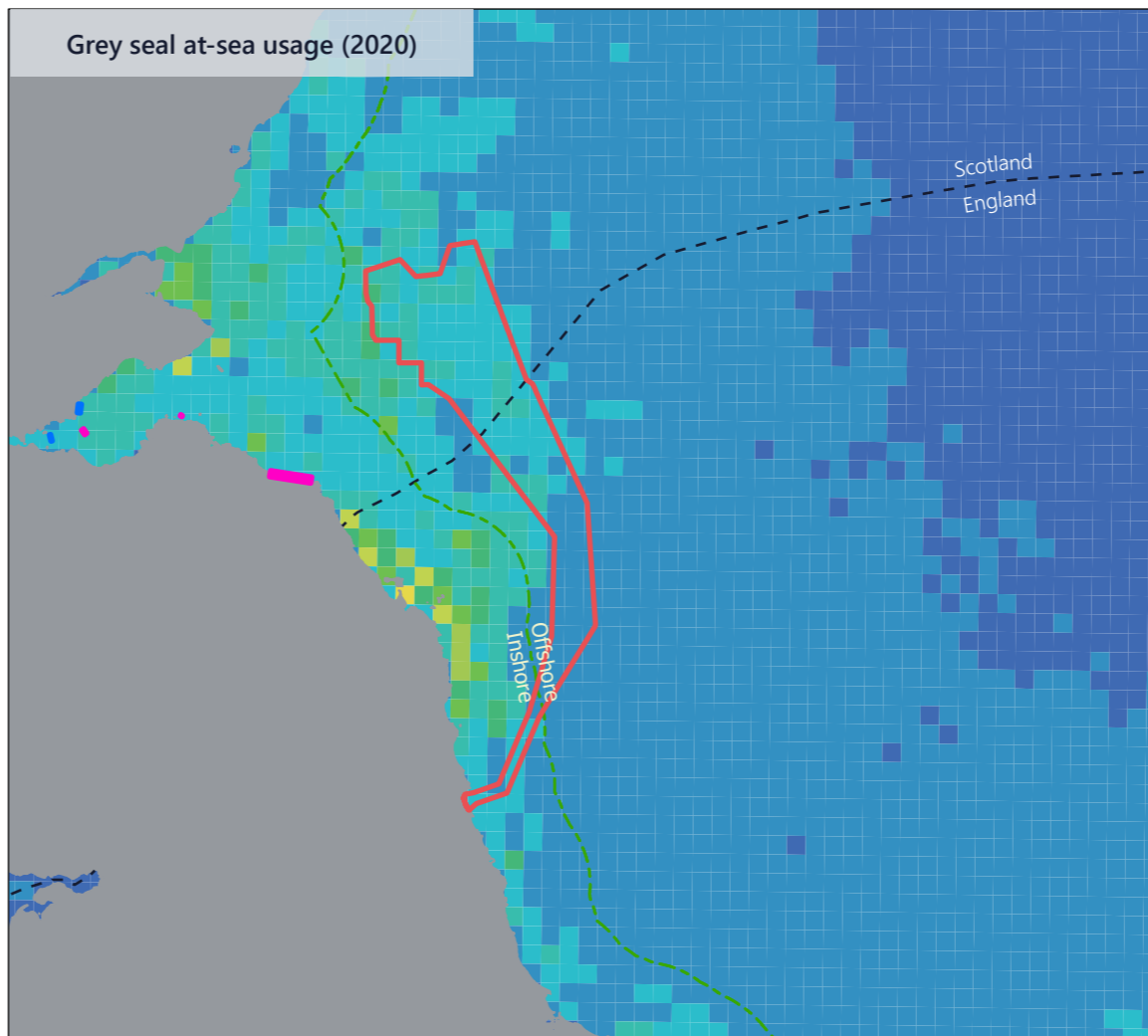
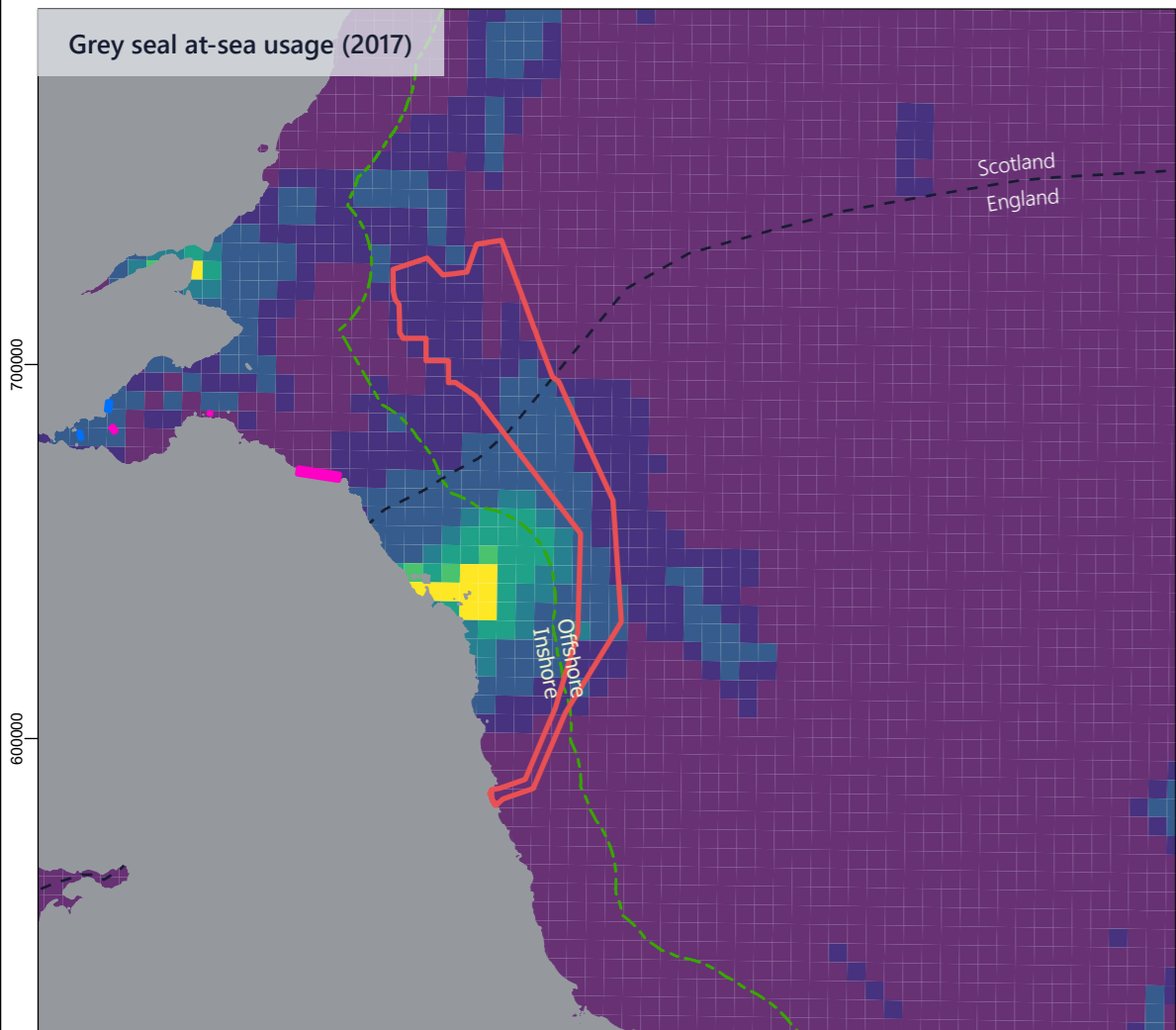
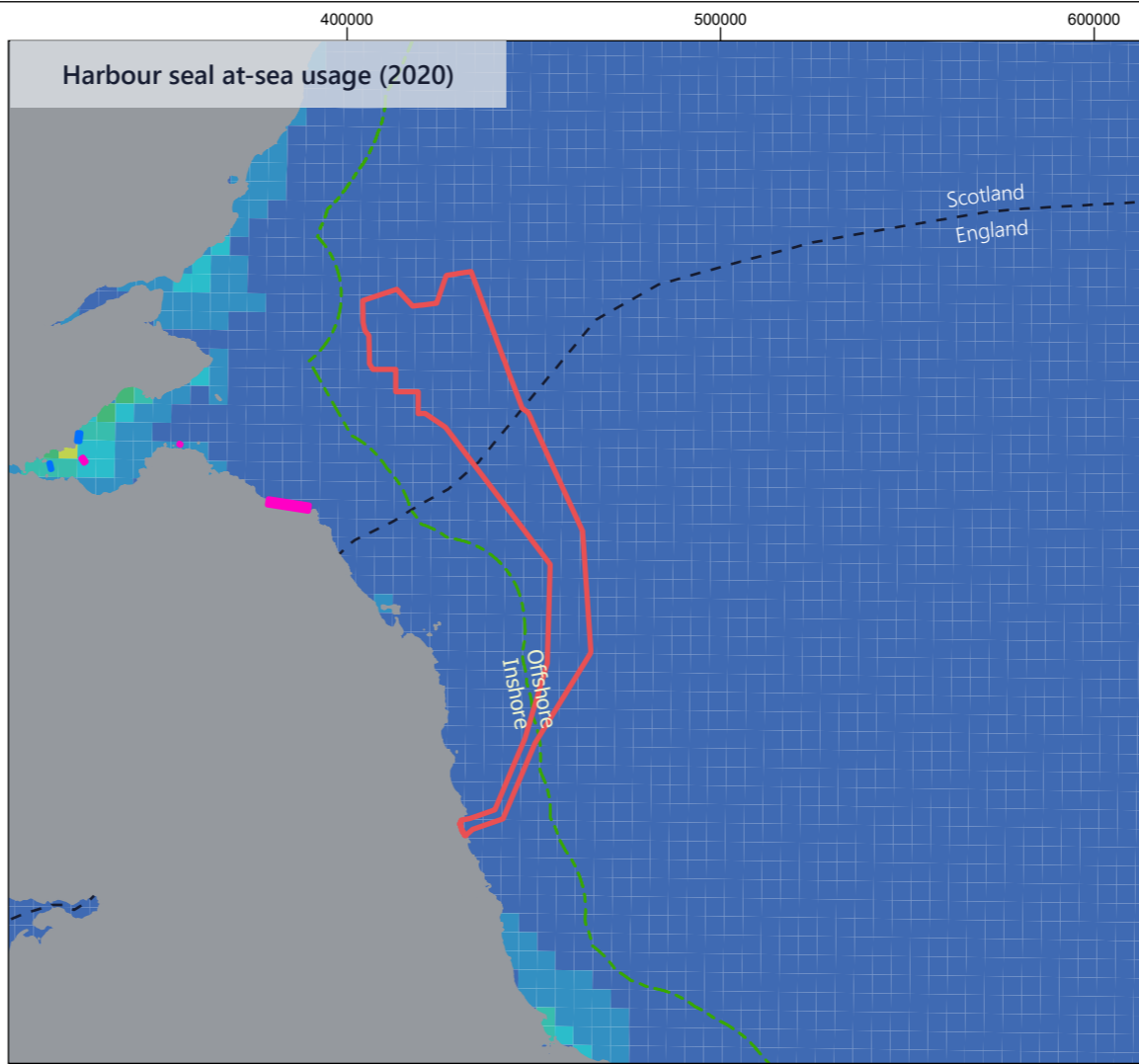
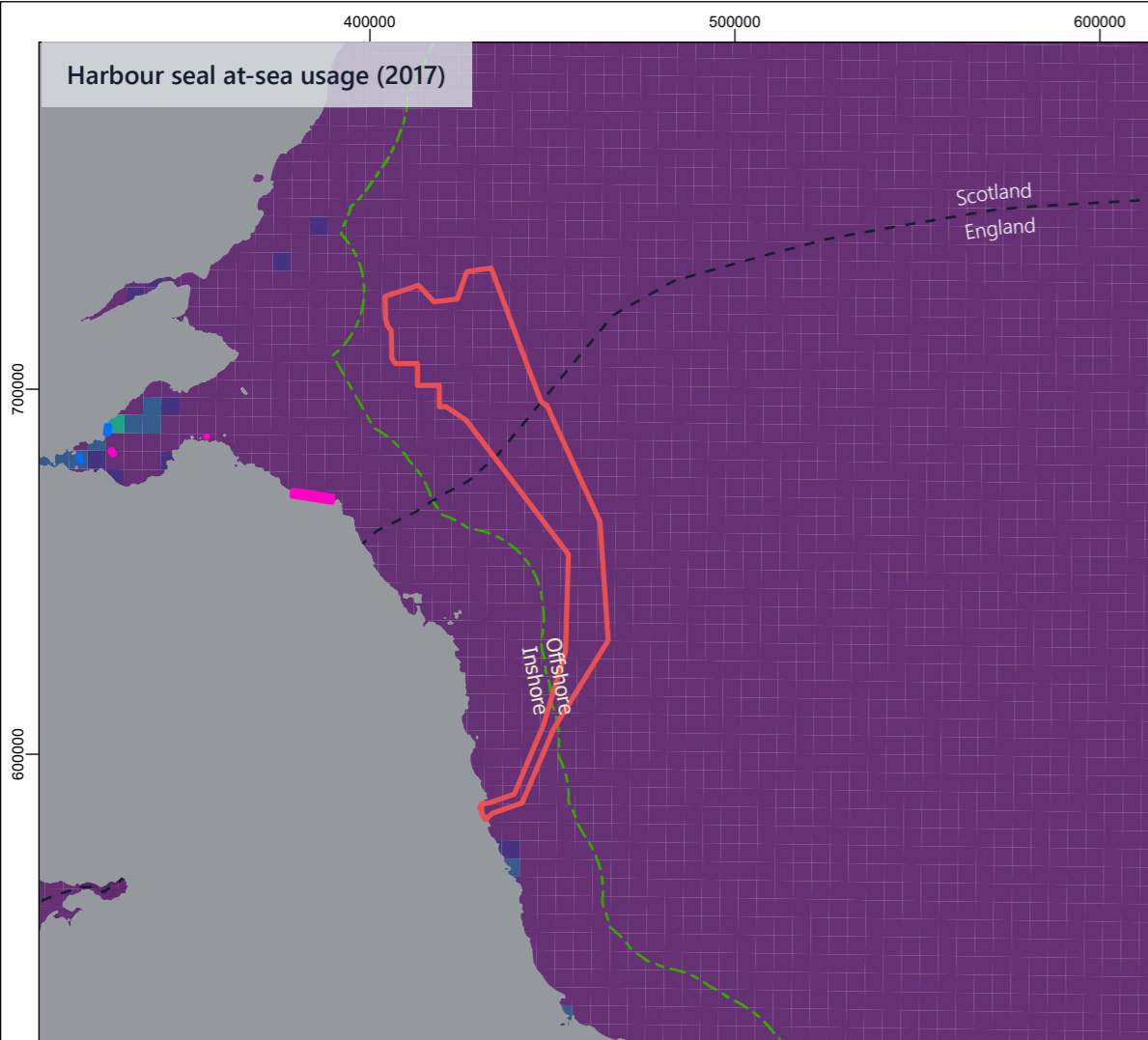
0 10 20 40 60 nm

0 10 20 40 60 80 100 120 km

N

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LF000010&11-DEV-MAP-154			001 OF 001



Legend

	Scoping Area	2020 Percentage of at-sea population/25 km²		
	UK 12 Nautical Mile Limit			0 - 0.001
	Scotland/England Territorial Waters			0.001 - 0.01
	UK EEZ limit			0.01 - 0.02
	2017 Seal Density (Number per 25km ²)			0.02 - 0.04
	0 - 5		0.04 - 0.06	
	5 - 10		0.06 - 0.08	
	10 - 50		0.08 - 0.1	
	50 - 100		0.1 - 0.2	
	100 - 200		0.2 - 0.3	
	200 - 250		0.3 - 0.445056	
	250 - 500		Breeding Colony	
	500 - 1000		Seal Haul Out	

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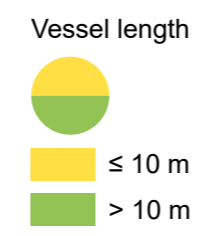
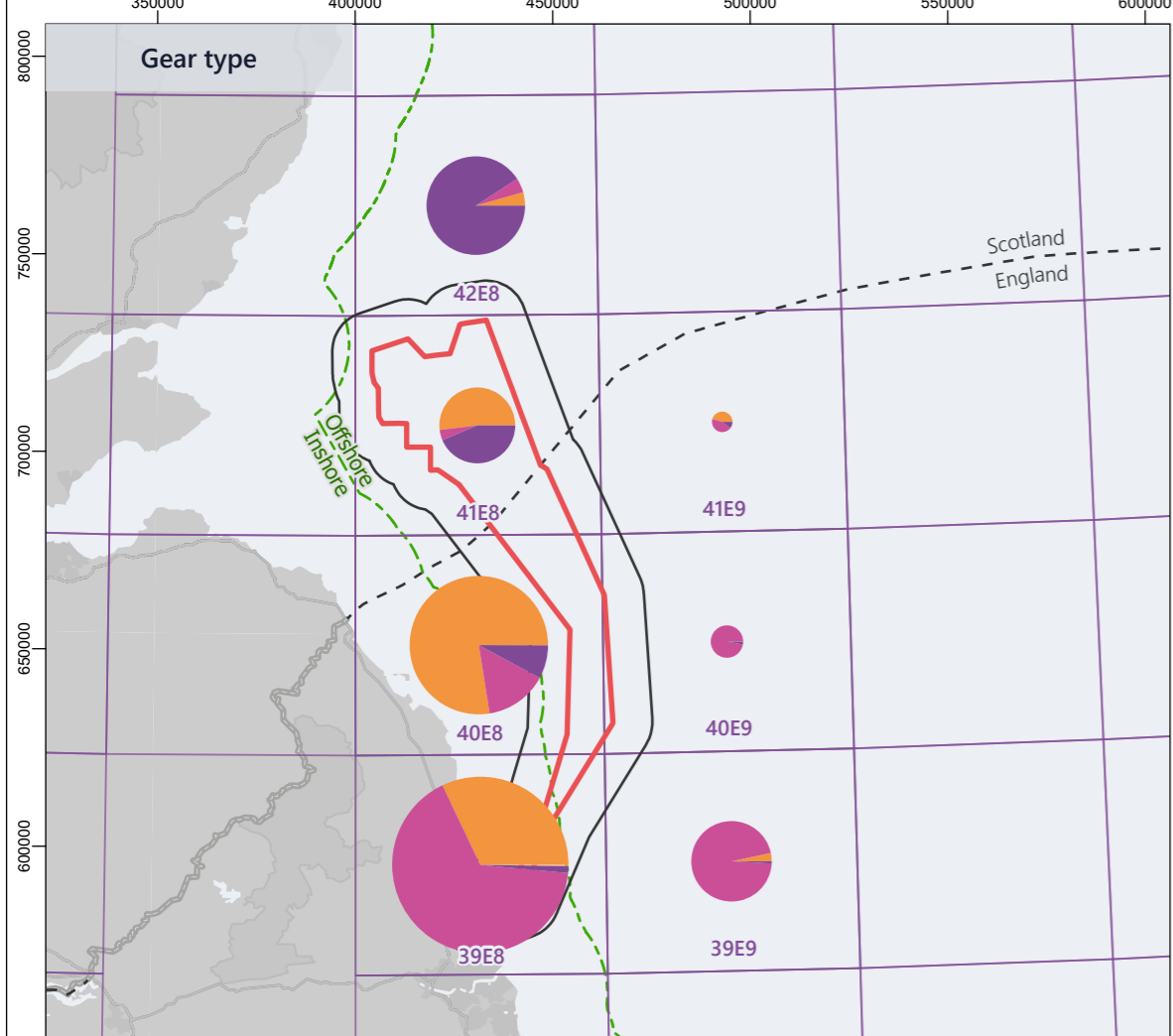
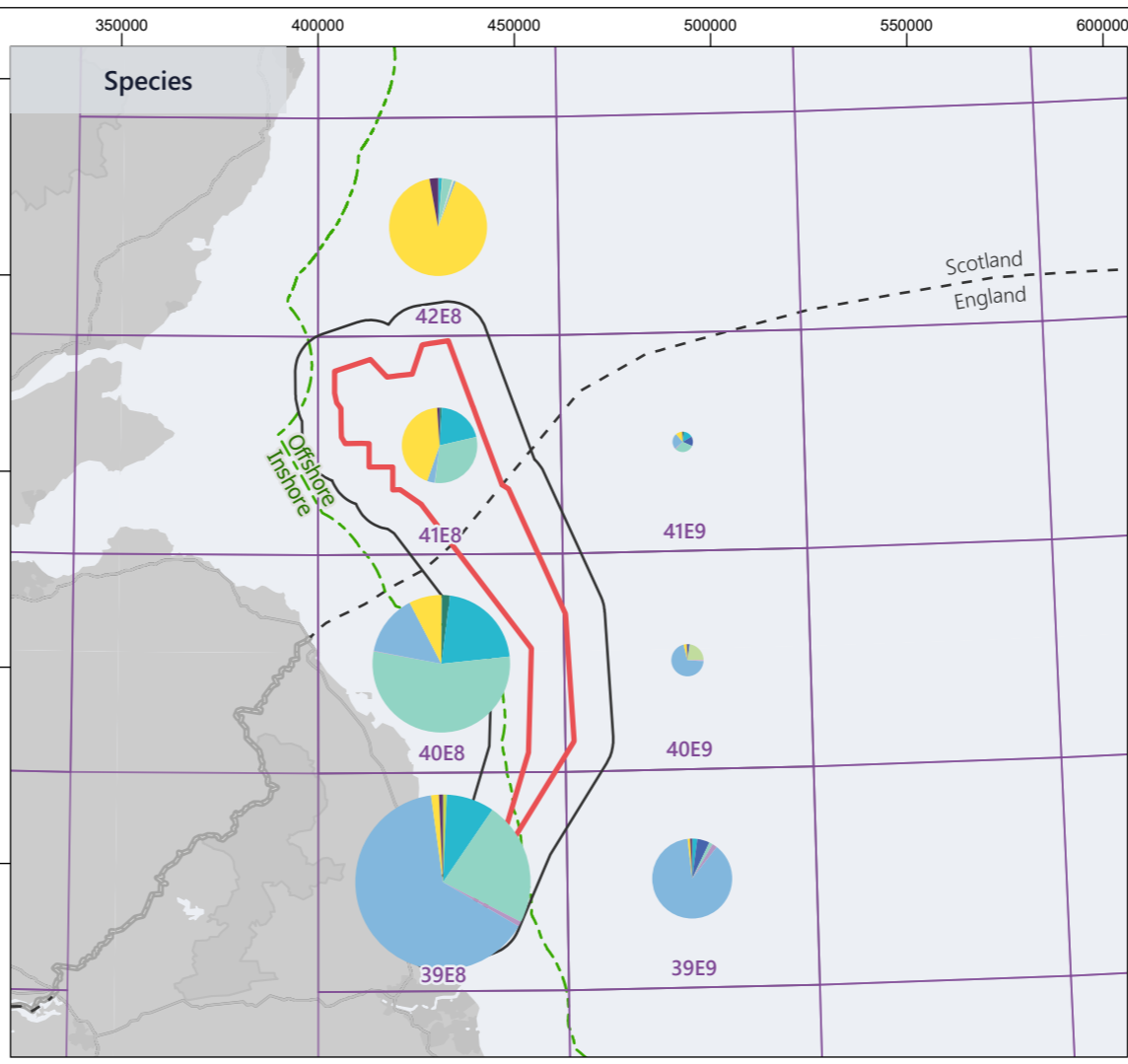
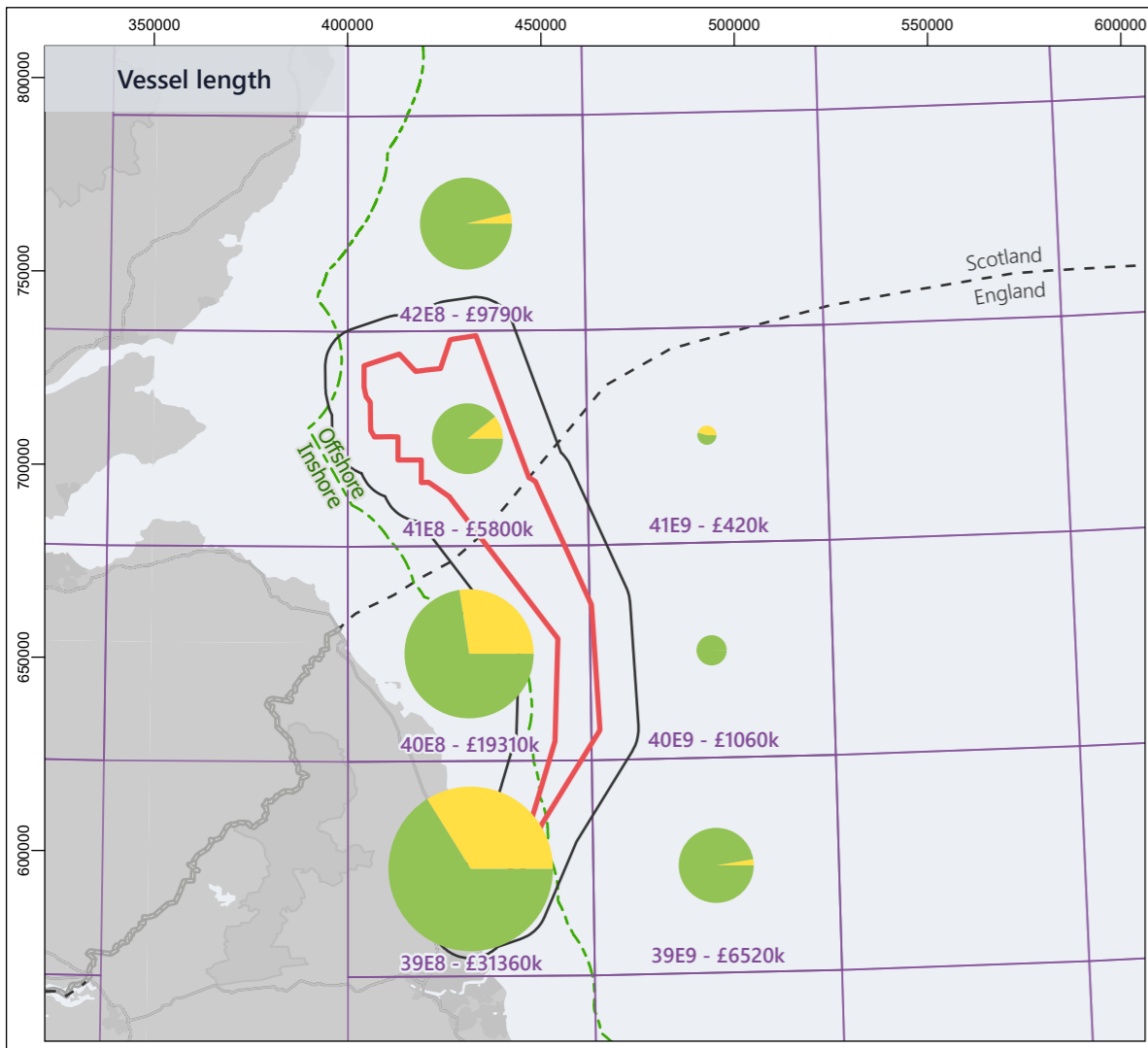


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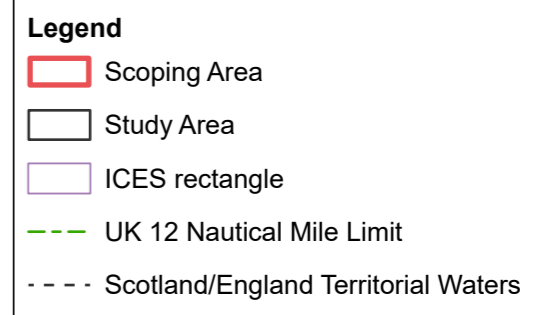
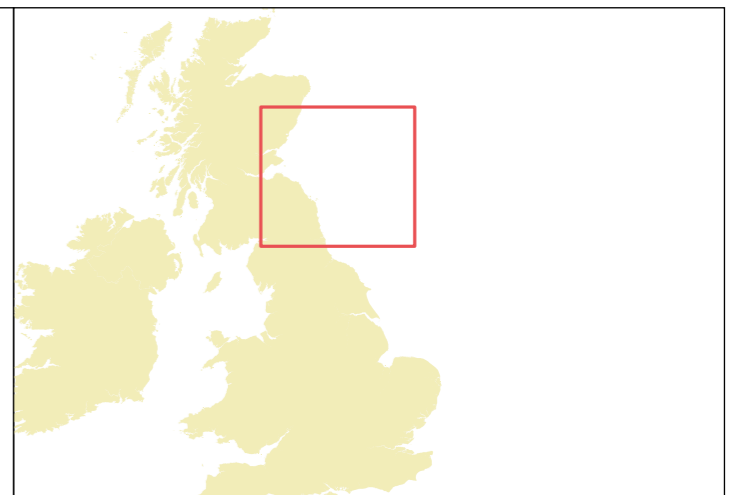
Title
Figure 11-3 Harbour seal and grey seal at-sea usage throughout the marine mammals and other megafauna study area study area

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			001 OF 001



Landings data by ICES rectangle 5 year average (2015 - 2019). Species panel shows top 10 species for region only.



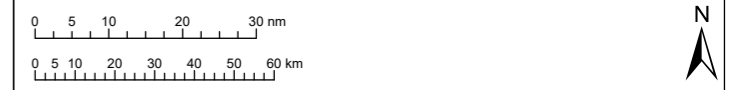
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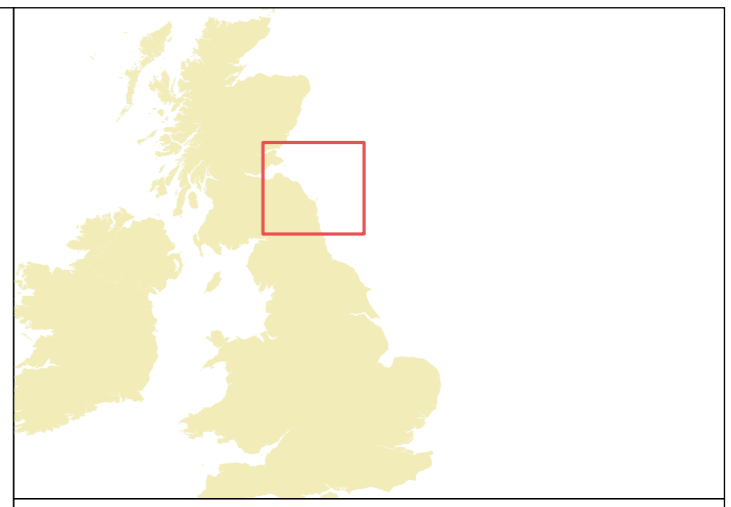
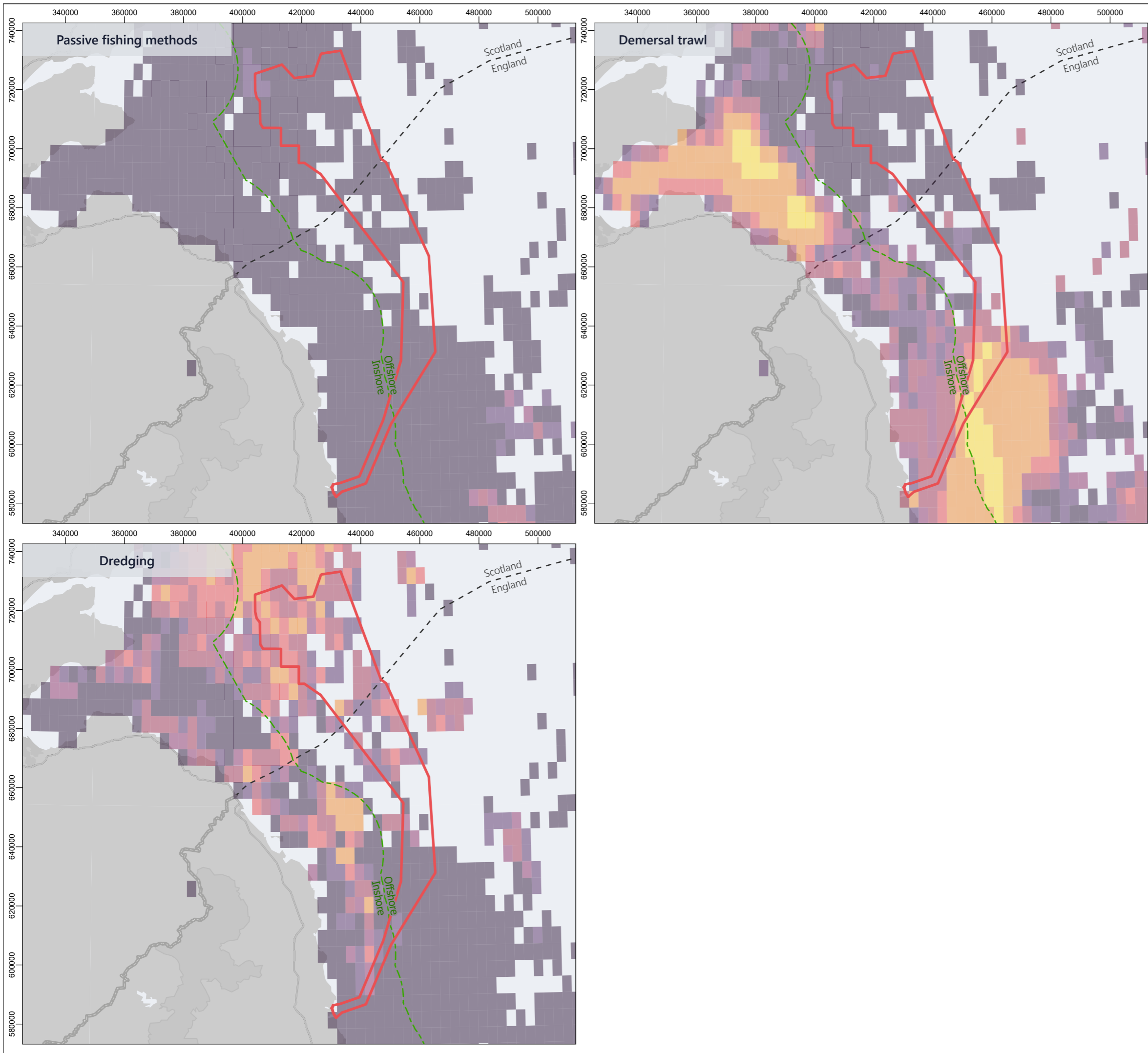
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Title
12-3 Vessel length, species caught, and gear type used by ICES rectangle'



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LF000010&11-DEV-MAP-156			001 OF 001



Legend

- Scoping Area
- Berwick Bank OWF Array Boundary
- Berwick Bank Cambois ECR
- Berwick Bank Branxton ECR
- UK 6 Nautical Mile Limit
- Scotland/England adjacent waters
- EEZ Boundary

Average VMS Value (£) for UK fishing vessels (2016 – 2019; MMO, 2019)

- £0 - £100
- £100 - £500
- £500 - £1,000
- £1,000 - £5,000
- £5,000 - £10,000
- £10,000 - £50,000
- £50,000 - £100,000
- >£100,000

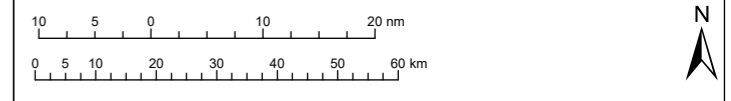
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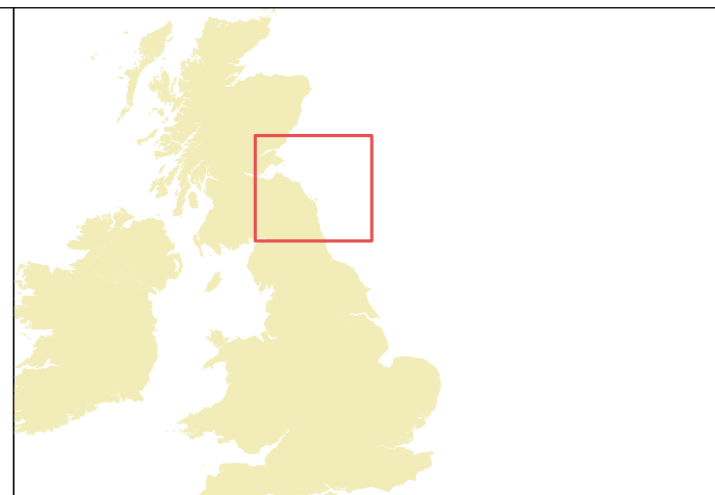
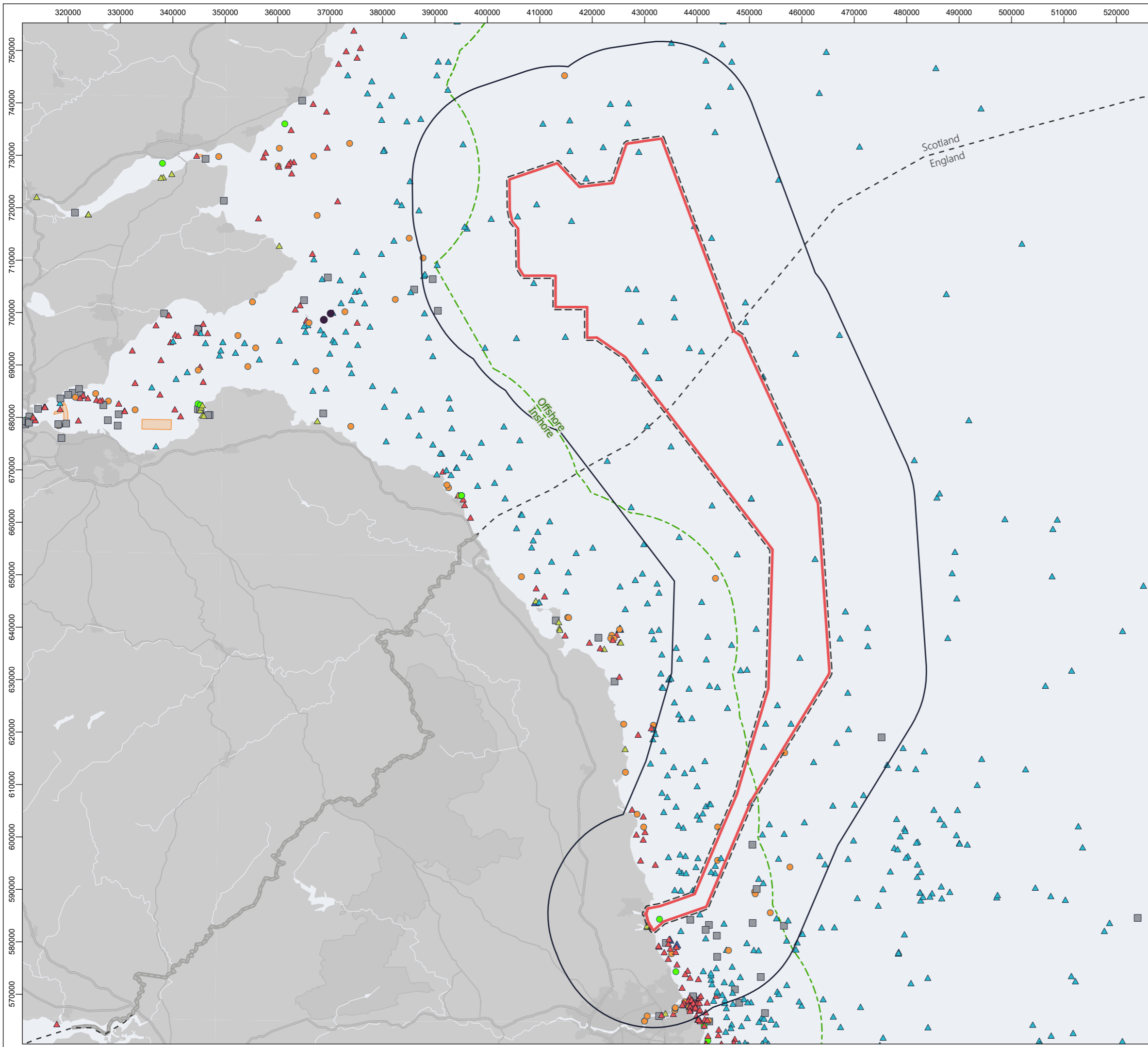
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Title
Figure 12-4 Landings data for fishing methods by ICES rectangle



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LF000010&11-DEV-MAP-157			001 OF 001



Legend

- Scoping Area
- Scoping Area - 500 m buffer
- Study Area
- UK 12 Nautical Mile Limit
- Scotland/England territorial waters
- EEZ Boundary
- Foul ground/area
- Diffuser
- Miscellaneous obstruction
- Unknown category
- Explosive dumping ground

Wrecks and obstructions in UK EEZ - areas

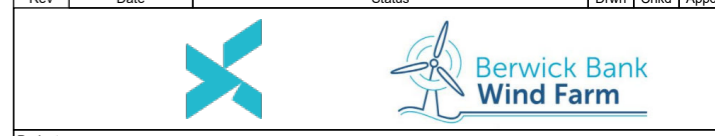
- Wreck showing any portion of hull or superstructure
- Foul ground/area
- Unknown category

Wrecks and obstructions in UK EEZ - points

- ▲ Dangerous wreck
- ▲ Non-dangerous wreck
- ▲ Wreck showing any portion of hull or superstructure
- ▲ Distributed remains of wreck
- ▲ Wreck showing mast/masts

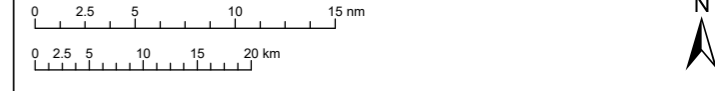
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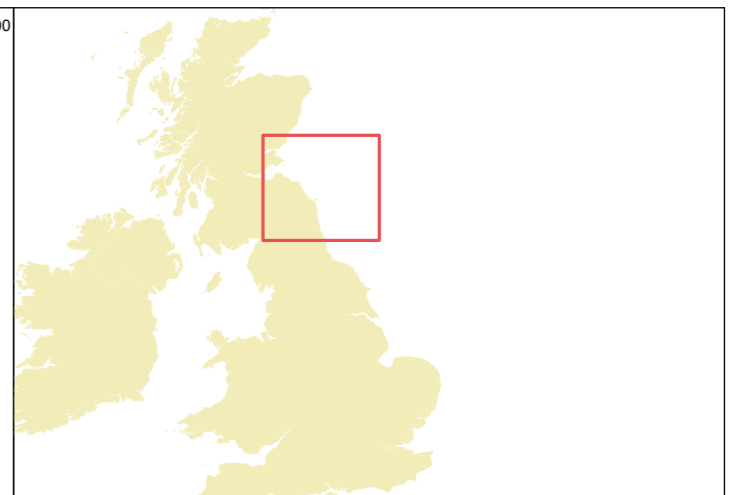
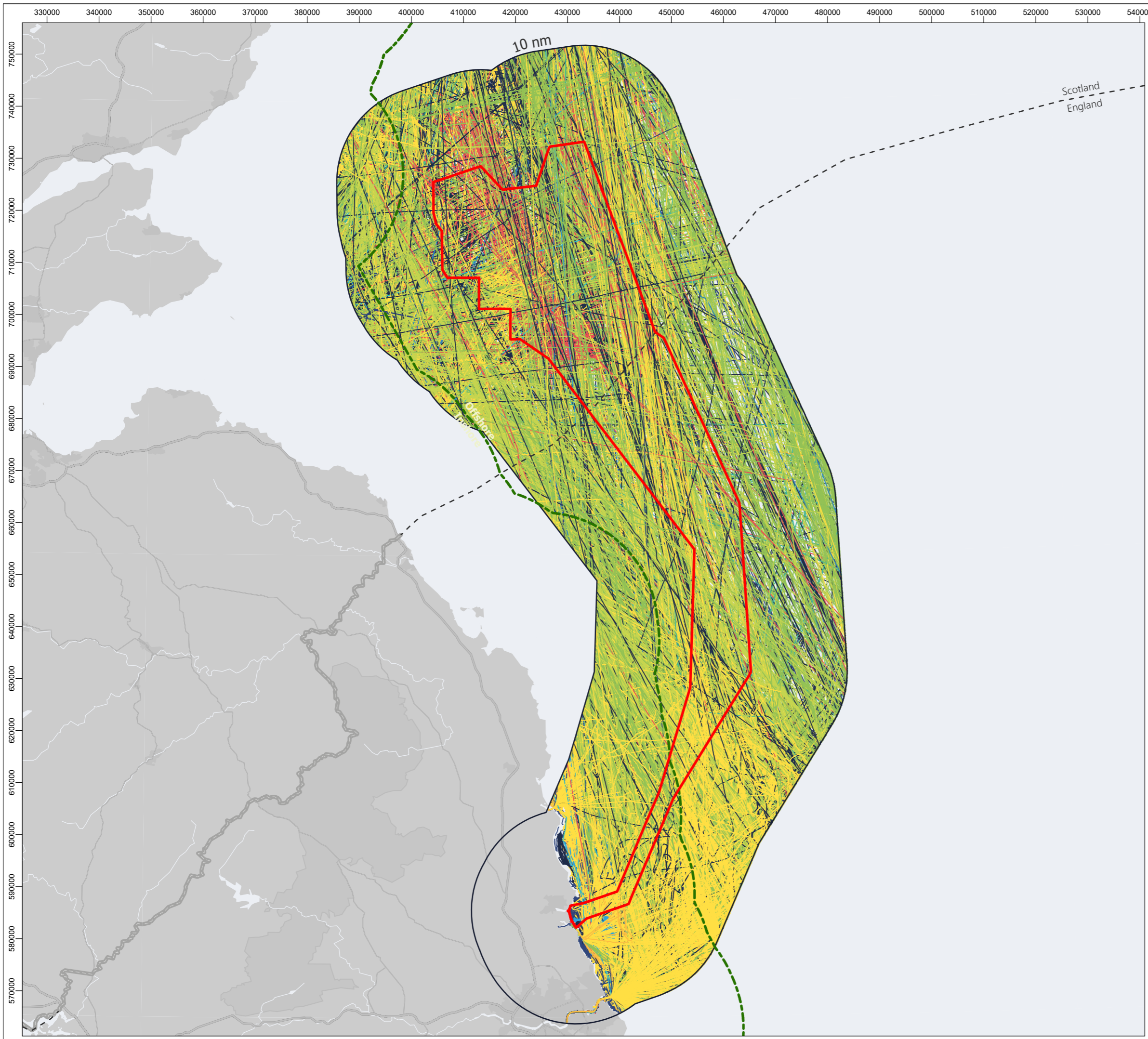
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Title
Figure 13-1 Navigational features within the shipping and navigation study area



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LF000010&11-DEV-MAP-161	001 OF 001		



Legend

Scoping Area	Vessel type
Study Area	Unknown
UK 12 Nautical Mile Limit	Non-Port service craft
Scotland/England Territorial Waters	Port service craft
	Vessels engaged in dredging or underwater operations
	High Speed Craft
	Military or Law enforcement
	Passenger
	Cargo
	Tankers
	Fishing vessels
	Recreational vessels

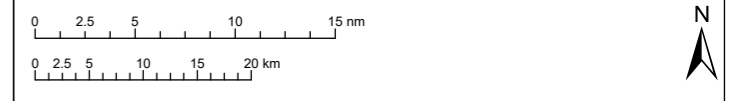
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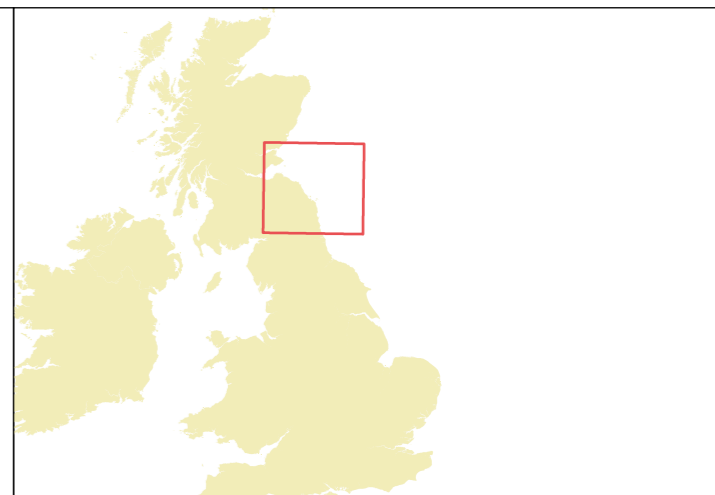
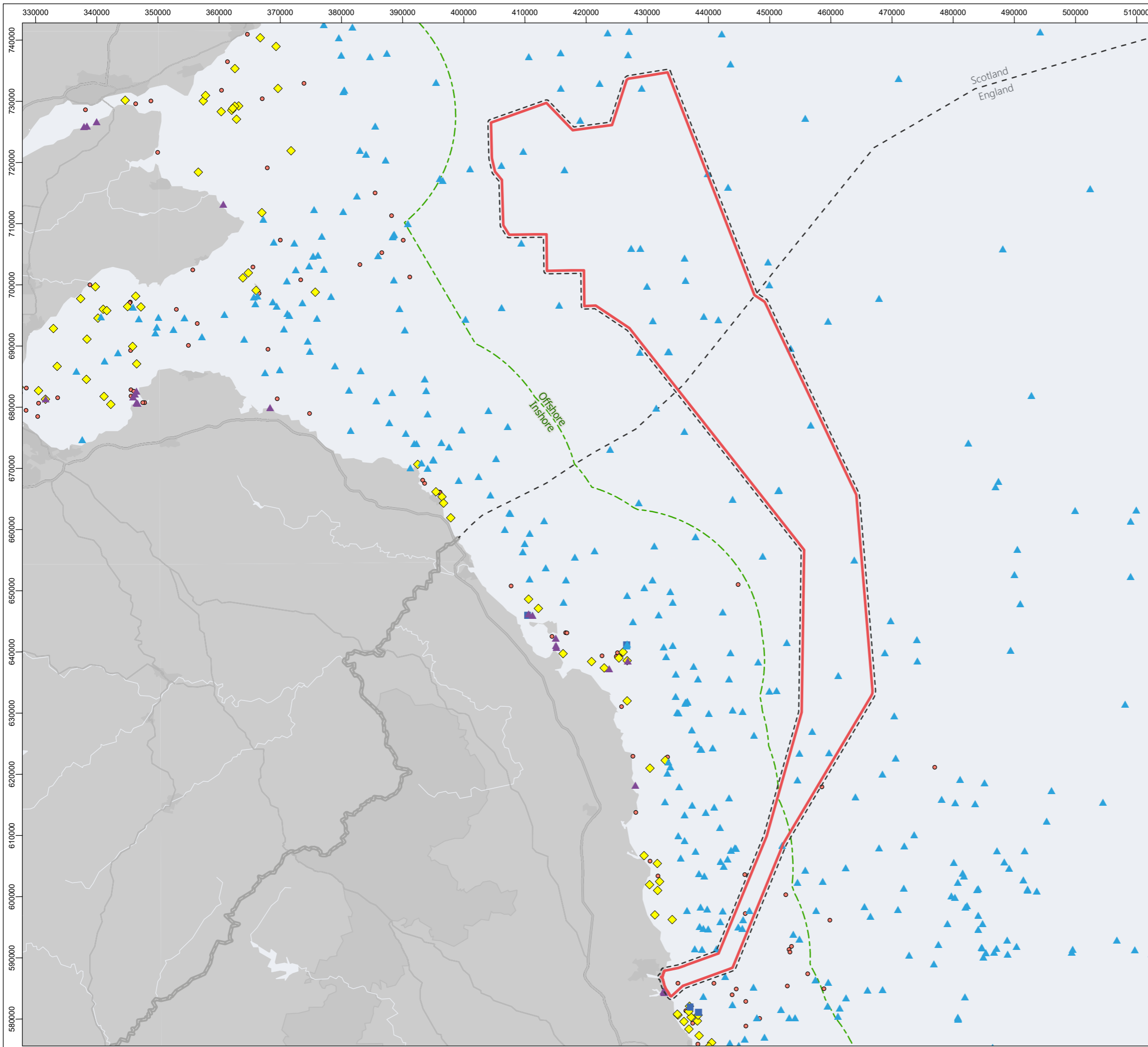
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Title
Figure 13-2 Vessel density and movement throughout the shipping and navigation study area



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Drawing Number			Sheet No.
LF000010&11-DEV-MAP-158			001 OF 001



Legend

- Scoping Area
- Marine historic environment study area
- UK 12 Nautical Mile Limit
- Scotland/England territorial waters

Known Wrecks and Obstructions

- Unspecified
- ◆ Dangerous wreck
- Distributed remains of wreck
- ▲ Non-dangerous wreck
- ▲ Wreck showing any portion of hull or superstructure

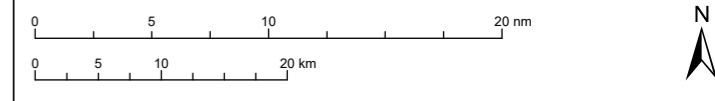
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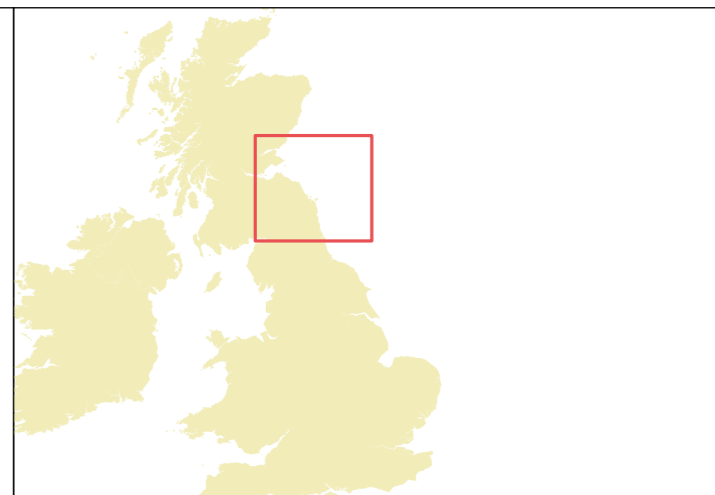
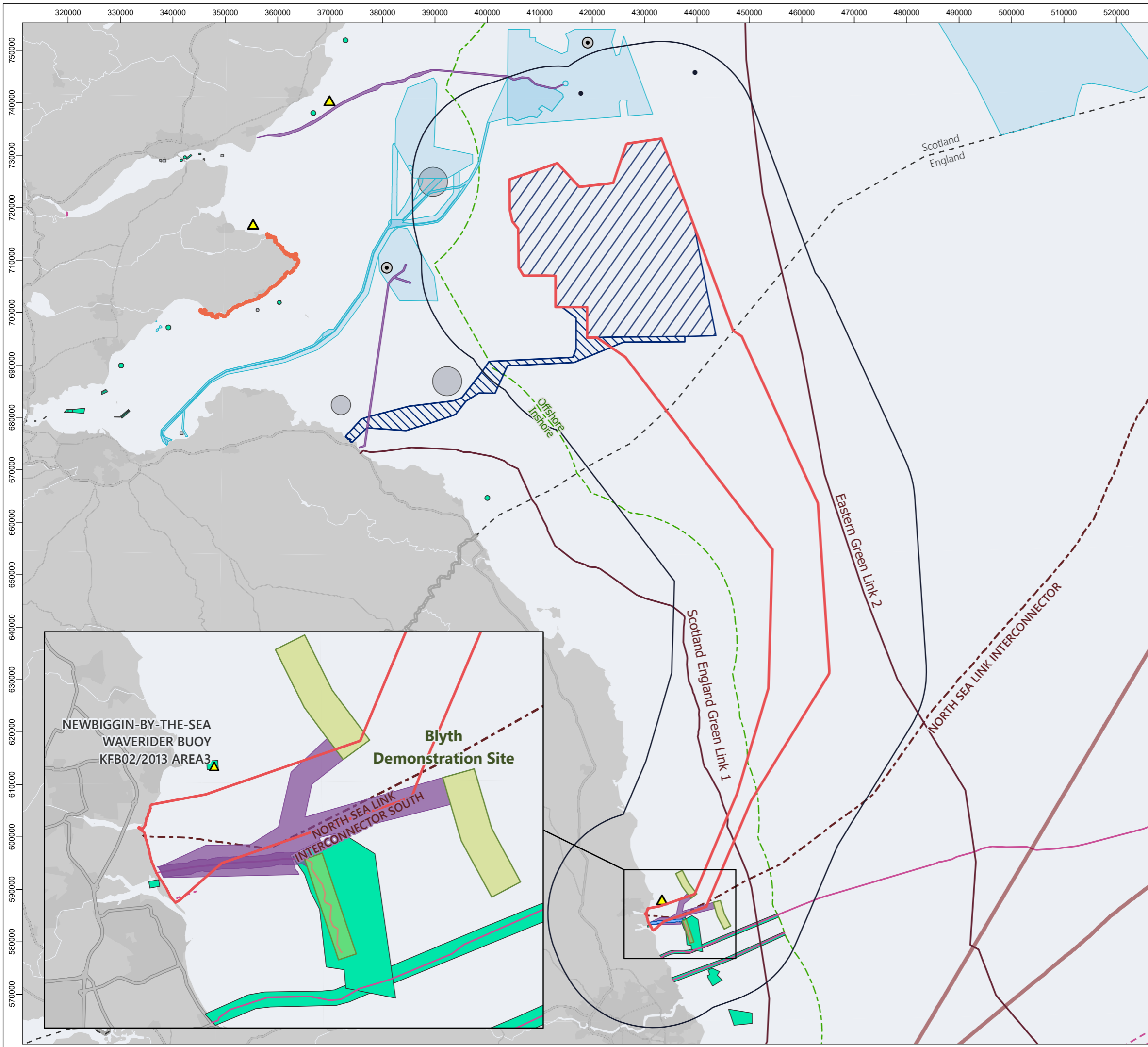
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Title
Figure 14-1 Known wrecks and obstructions relevant to the marine historic environment study area



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- Legend**
- Scoping Area
 - Study Area
 - Berwick Bank OWF Array Boundary
 - Berwick Bank Branxton ECR
 - UK 12 Nautical Mile Limit
 - Scotland/England territorial waters
 - Energy infrastructure agreement
 - Blythe Demonstration Site
 - Energy infrastructure agreement designated area
 - 2GW power cable
 - Cable under construction/proposed
 - Cable disused/inactive/out of use
 - Active cable
 - Closed Dredge spoil disposal site
 - Open Dredge spoil disposal site
 - Aquaculture agreement
 - ▲ Buoy
 - ⊙ Subsurface infrastructure
 - Pipeline
 - Well

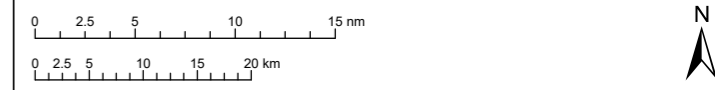
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Title
Figure 15-1 Other Sea Users



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Scale	Plot Size	Datum	Projection
1:700,000	A3	OSGB36	BNG
Drawing Number	Sheet No.		
LF000010&11-DEV-MAP-160	001 OF 001		