

Sea Link

Volume 6: Environmental Statement

Document 6.4.4.7.A

Part 4 Marine

Chapter 7 Appendix 4.7.A

Navigational Risk Assessment – Figures Part 1 of 2

Planning Inspectorate Reference: EN020026

Version: C

April 2026

Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009 Regulation 5(2)(a)

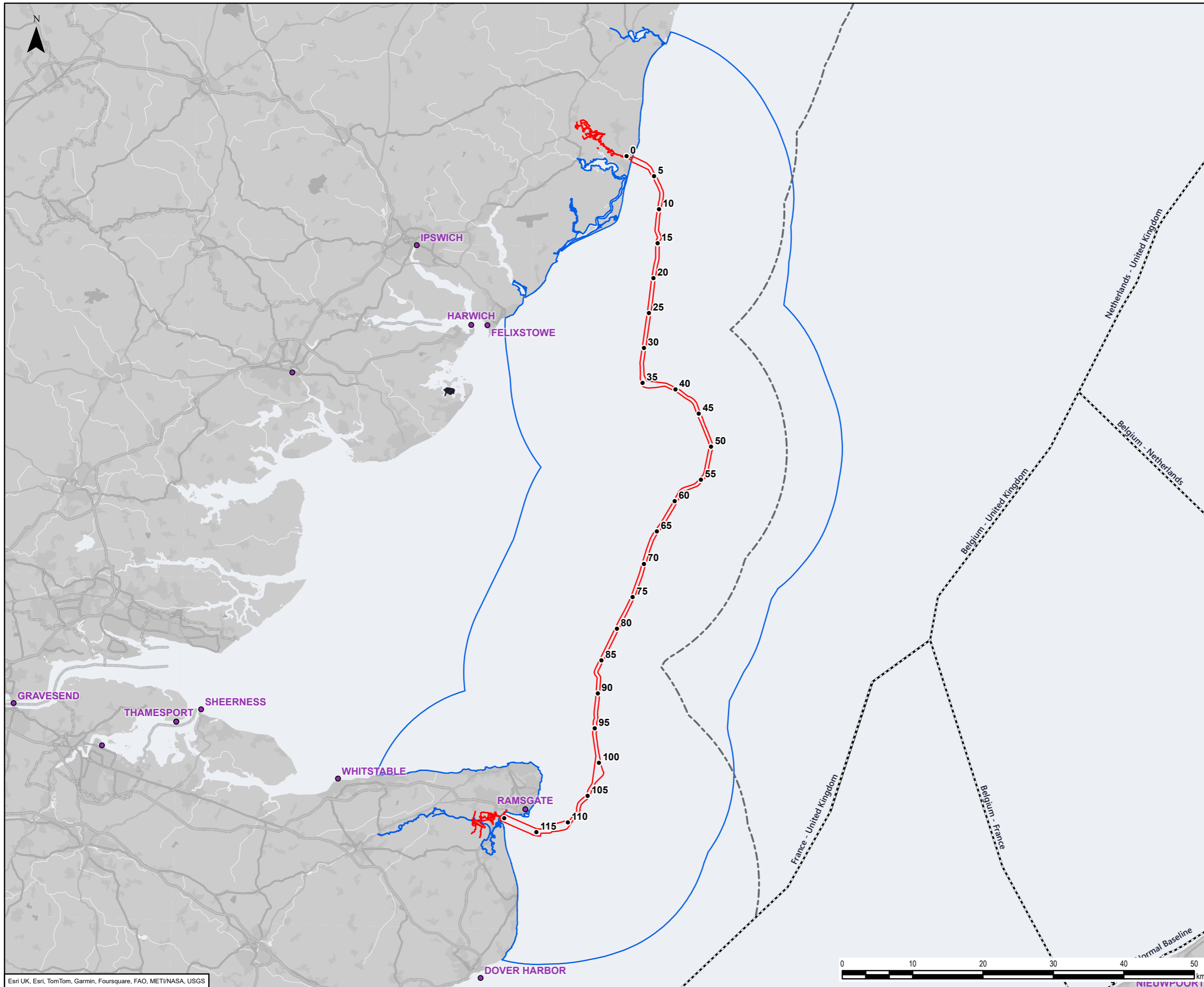
Contents

Application Document 6.4.4.7.A Navigational Risk Assessment - Figures Part 1 of 2

- Application Document 6.4.4.7.A.1 Shipping and Navigation Study Area
- Application Document 6.4.4.7.A.2 Ports and Navigation
- Application Document 6.4.4.7.A.3 Military Practice Areas
- Application Document 6.4.4.7.A.4 Recreation
- Application Document 6.4.4.7.A.5 Other Navigational Features
- Application Document 6.4.4.7.A.6 RNLI Search and Rescue
- Application Document 6.4.4.7.A.7 Search and Rescue Helicopter
- Application Document 6.4.4.7.A.8 MAIB Events
- Application Document 6.4.4.7.A.9 Seasonal Vessel Track Density
- Application Document 6.4.4.7.A.10 Busiest Day

Version History

Date	Issue	Status	Description / Changes
March 2025	A	Final	For DCO submission
November 2025	B	Final	For Deadline 1
April 2026	C	Final	For Deadline 6



- Legend
- Kilometre Point (KP)
 - ▭ DF3 Order Limits
 - ▭ 10 NM shipping and navigation study area
 - Port
 - - - UK Territorial Sea Limit
 - - - EEZ Boundaries

0	12/09/2024	NAVIGATIONAL RISK ASSESSMENT	BQ	XX	XX
Rev	Date	Description	GIS	Chk	App

nationalgrid

Scheme: SEA LINK

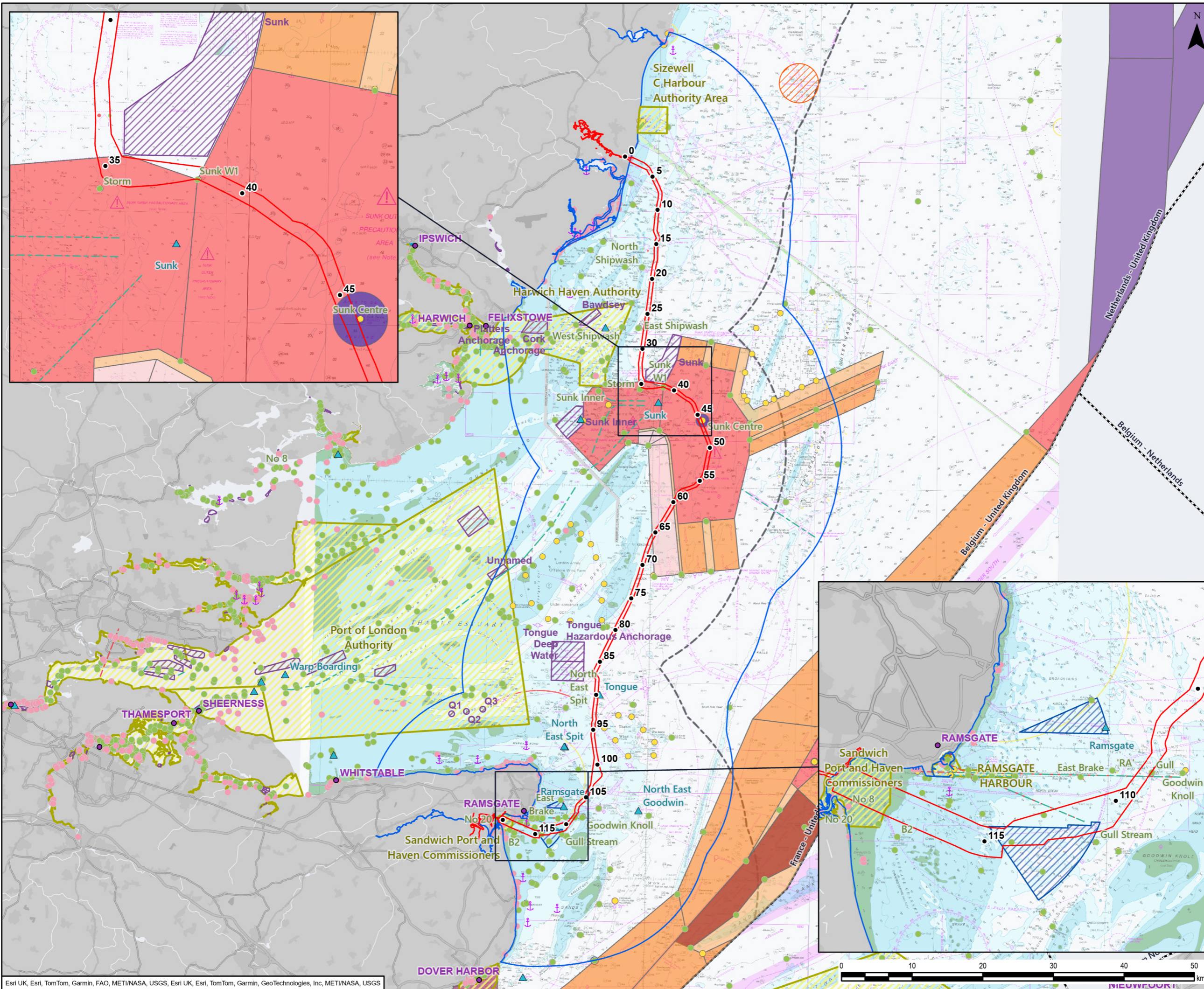
Document Title: Shipping and navigation study area

Creator: BQ	Date: 12/09/2024	Checker: LM	Date: 12/09/2024	Approver: XX	Date:
Document Ref: FIG 6.4.4.7.A.1	Scale: 1:500,000	Format: A3	Sheets: 1	Rev: 0	



Esri UK, Esri, TomTom, Garmin, Foursquare, FAO, METI/NASA, USGS

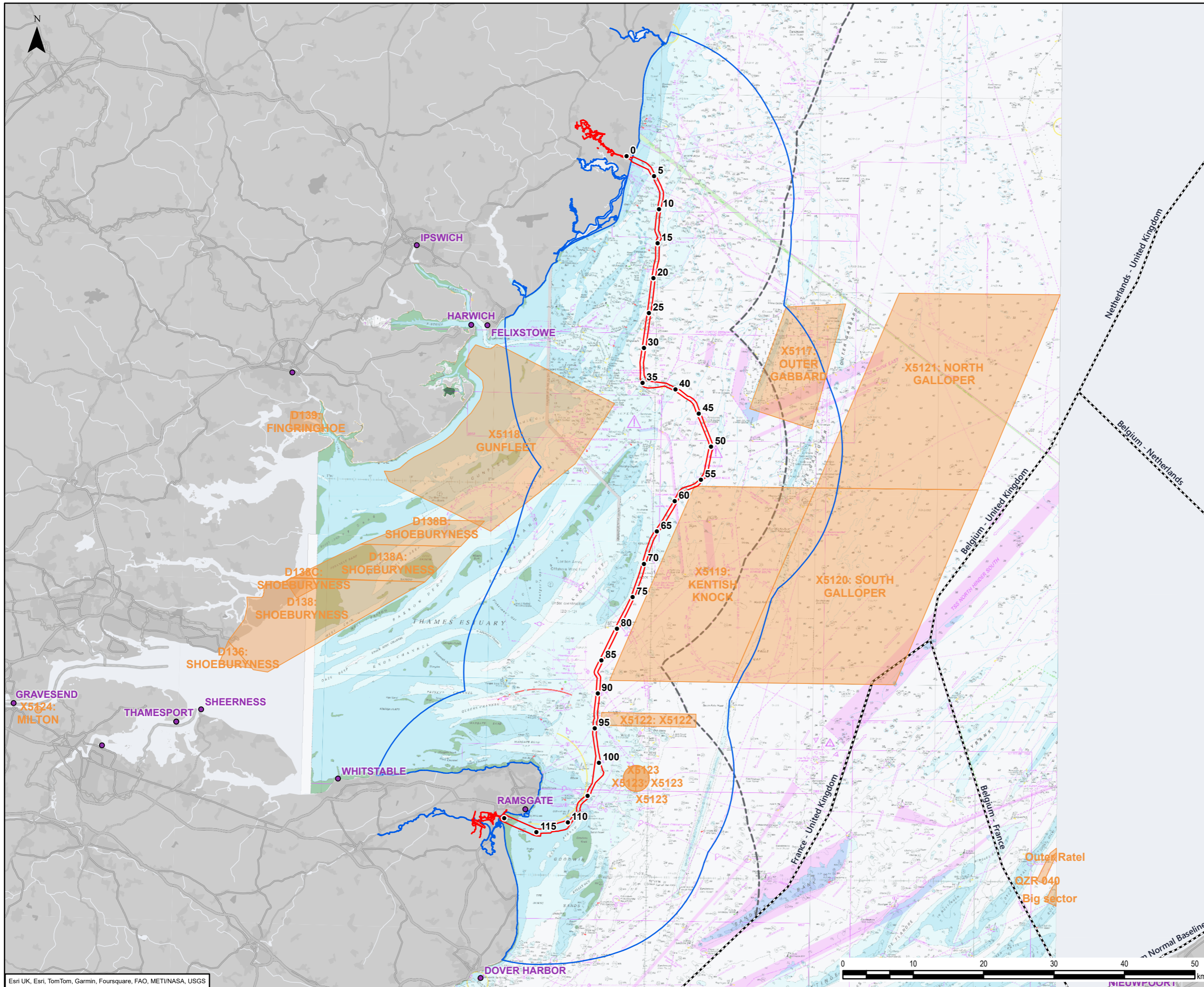
Document Path: \\xodus.local\london\Xodus\Assignments\L100695\S01\Working Files\GIS\Output\03_NRA_Figures_ForESL100695-S00_NRA_a_Nav.aprx



- Legend**
- Kilometre Point (KP)
 - ▭ DF3 Order Limits
 - ▭ 10 NM shipping and navigation study area
 - Port
 - - - EEZ Boundaries
 - - - UK Territorial Sea Limit
- Navigational features**
- Anchor berth
 - ⚓ Anchorage area
 - ▲ Pilot boarding station
 - Beacon
 - Buoy
 - Light vessel
 - - - Navigation line
 - - - Route
 - ▭ Anchorage area
 - ▭ Cargo transhipment area
 - ▭ Dock area
 - ▭ Harbour area (administrative)
 - ▭ Pilot boarding place
- IMO routing measures**
- ▭ Areas to be Avoided
 - ▭ Deep Water Route Part
 - ▭ Inshore Traffic Zones
 - ▭ Precautionary Areas
 - ▭ Traffic Separation Scheme Lanes
 - ▭ Traffic Separation Zones
 - ▭ Two-way Routes

2	09/09/2025	NAVIGATIONAL RISK ASSESSMENT	LM	LM	XX
Rev	Date	Description	GIS	Chk	App

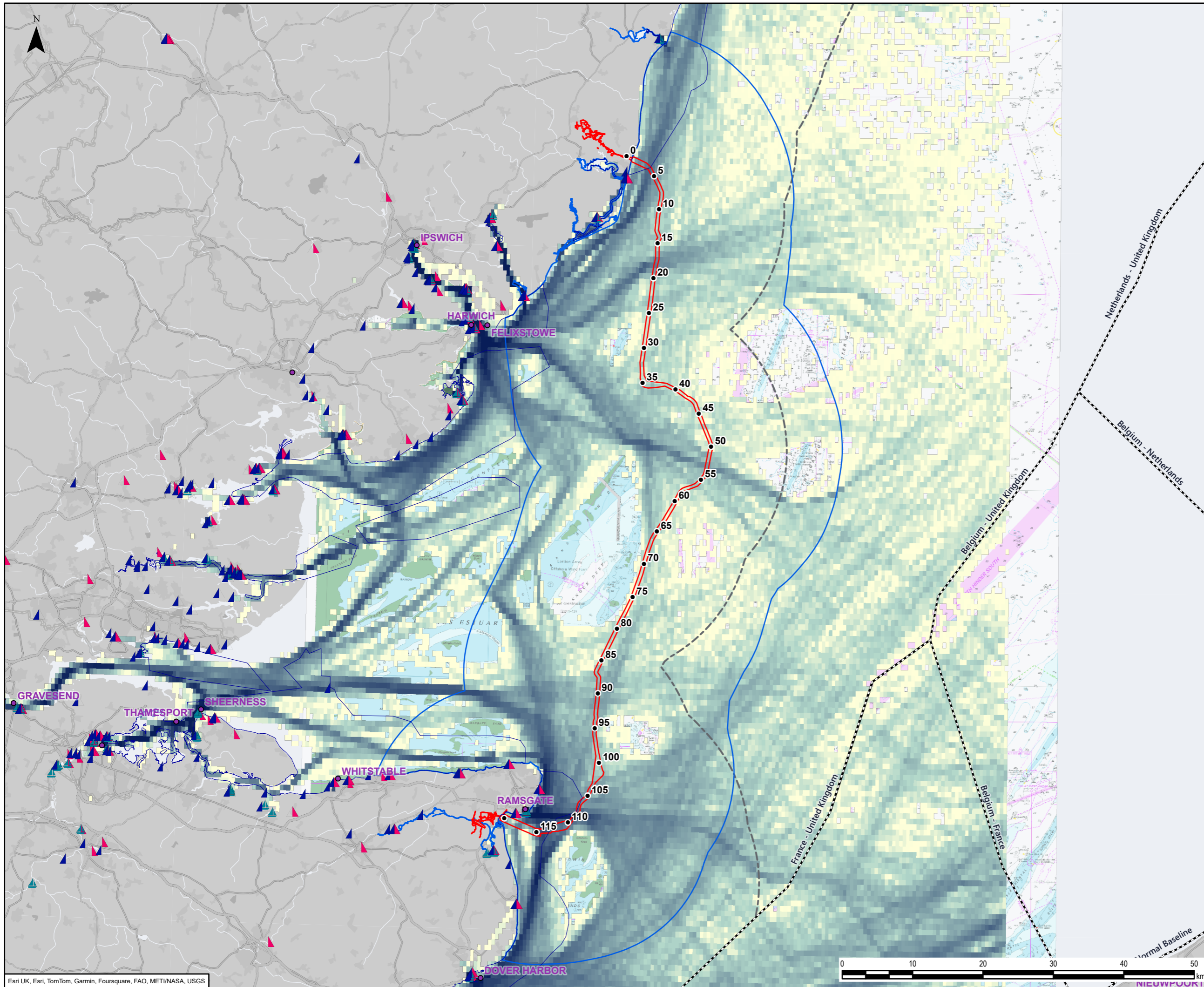
nationalgrid					
Scheme: SEA LINK					
Document Title: Ports and navigation					
Creator: LM	Date: 09/09/2025	Checker: LM	Date: 09/09/2025	Approver: XX	Date:
Document Ref: FIG 6.4.7.A.2	Scale: 1:500,000	Format: A3	Sheets: 1	Rev: 0	



- Legend**
- Kilometre Point (KP)
 - ▭ DF3 Order Limits
 - ▭ 10 NM shipping and navigation study area
 - Port
 - - - UK Territorial Sea Limit
 - - - EEZ Boundaries
 - ▭ Military Practice Area (PEXA)

0	12/09/2024	NAVIGATIONAL RISK ASSESSMENT	BQ	XX	XX
Rev	Date	Description	GIS	Chk	App

nationalgrid					
Scheme: SEA LINK					
Document Title: Military practice areas					
Creator: BQ	Date: 12/09/2024	Checker: LM	Date: 12/09/2024	Approver: XX	Date:
Document Ref: FIG 6.4.4.7.A.3	Scale: 1:500,000	Format: A3	Sheets: 1	Rev: 0	



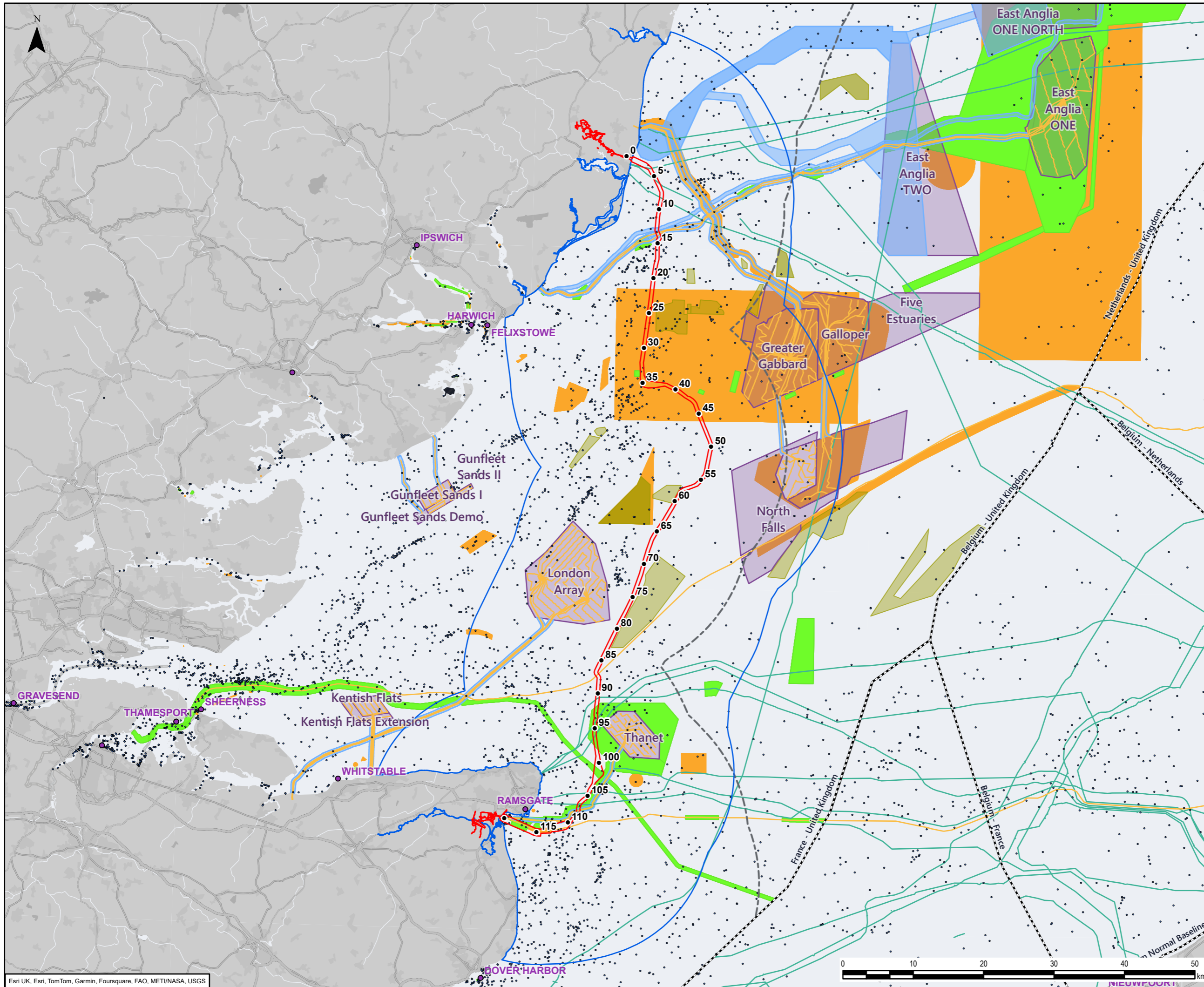
- Legend**
- Kilometre Point (KP)
 - ▭ DF3 Order Limits
 - ▭ 10 NM shipping and navigation study area
 - Port
 - - - UK Territorial Sea Limit
 - - - EEZ Boundaries
- RYA Coastal Atlas**
- ▲ Sailing Clubs
 - ▲ Marinas
 - ▲ Training Centres
 - ▭ General Boating Areas
- Mean AIS Intensity**
- High
 - Low

0	12/09/2024	NAVIGATIONAL RISK ASSESSMENT	BQ	XX	XX
Rev	Date	Description	GIS	Chk	App

nationalgrid					
Scheme: SEA LINK					
Document Title: Recreation					
Creator:	Date:	Checker:	Date:	Approver:	Date:
BQ	12/09/2024	LM	12/09/2024	XX	
Document Ref:	Scale:	Format:	Sheets:	Rev:	
FIG 6.4.4.7.A.4	1:500,000	A3	1	0	

Esri UK, Esri, TomTom, Garmin, Foursquare, FAO, METI/NASA, USGS

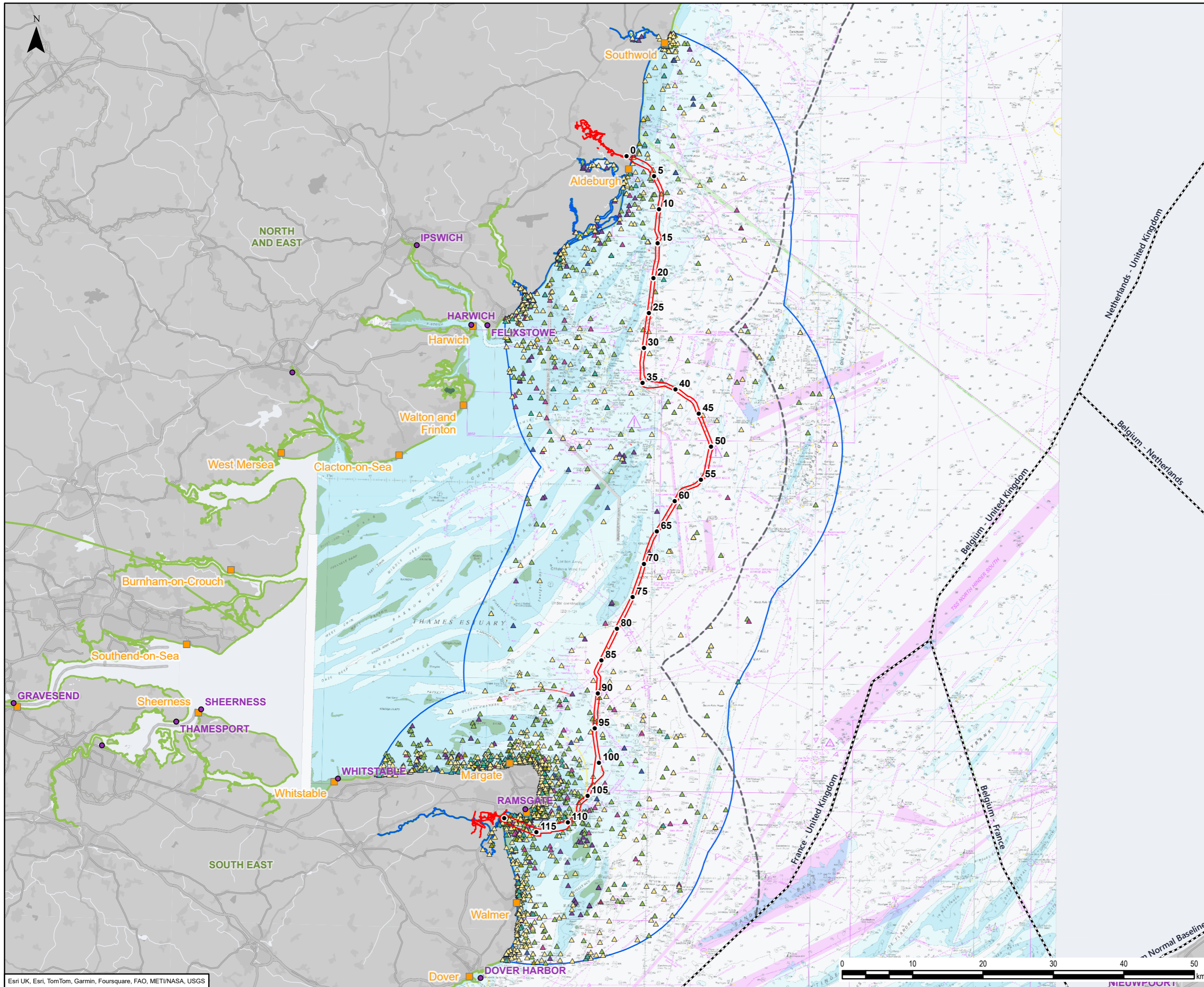
Document Path: \\xodus.local\london\Xodus\Assignments\L100695\S01\Working Files\GIS\Output\03_NRA_Figures_ForESL100695-S00_NRA_a_Nav.aprx



- Legend**
- Kilometre Point (KP)
 - ▭ DF3 Order Limits
 - ▭ 10 NM shipping and navigation study area
 - Port
 - UK Territorial Sea Limit
 - EEZ Boundaries
 - Wrecks
 - ▭ Offshore wind cable agreements
 - ▭ Offshore wind site agreements
 - ▭ Offshore minerals - Aggregates, evaporites and mining site agreements
- Cables**
- Power
 - Telecom
- Dredge spoil dumping**
- ▭ Closed
 - ▭ Open

0	12/09/2024	NAVIGATIONAL RISK ASSESSMENT	BQ	XX	XX
Rev	Date	Description	GIS	Chk	App

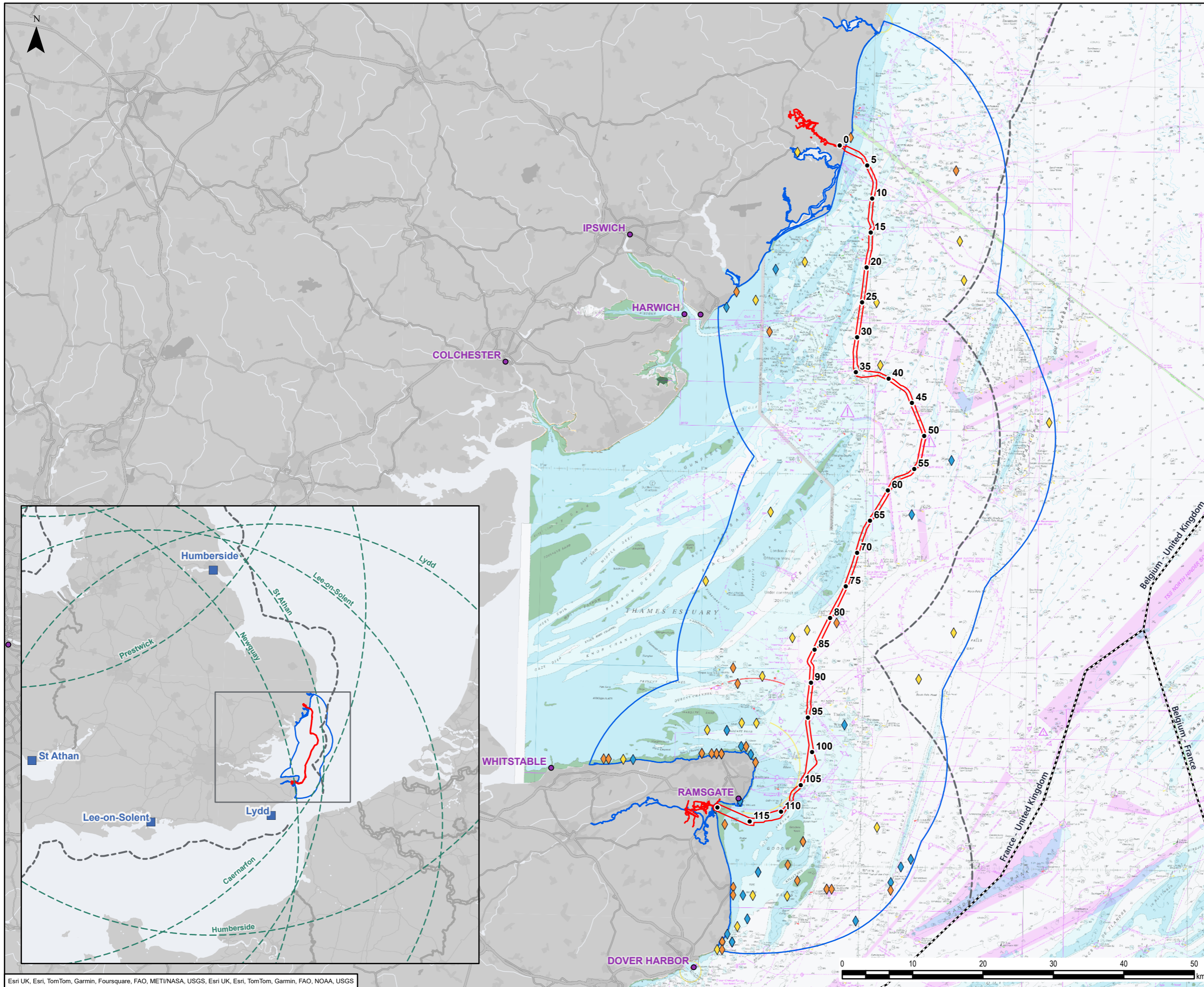
nationalgrid					
Scheme: SEA LINK					
Document Title: Other navigational features					
Creator: BQ	Date: 12/09/2024	Checker: LM	Date: 12/09/2024	Approver: XX	Date:
Document Ref: FIG 6.4.4.7-A-5	Scale: 1:500,000	Format: A3	Sheets: 1	Rev: 0	



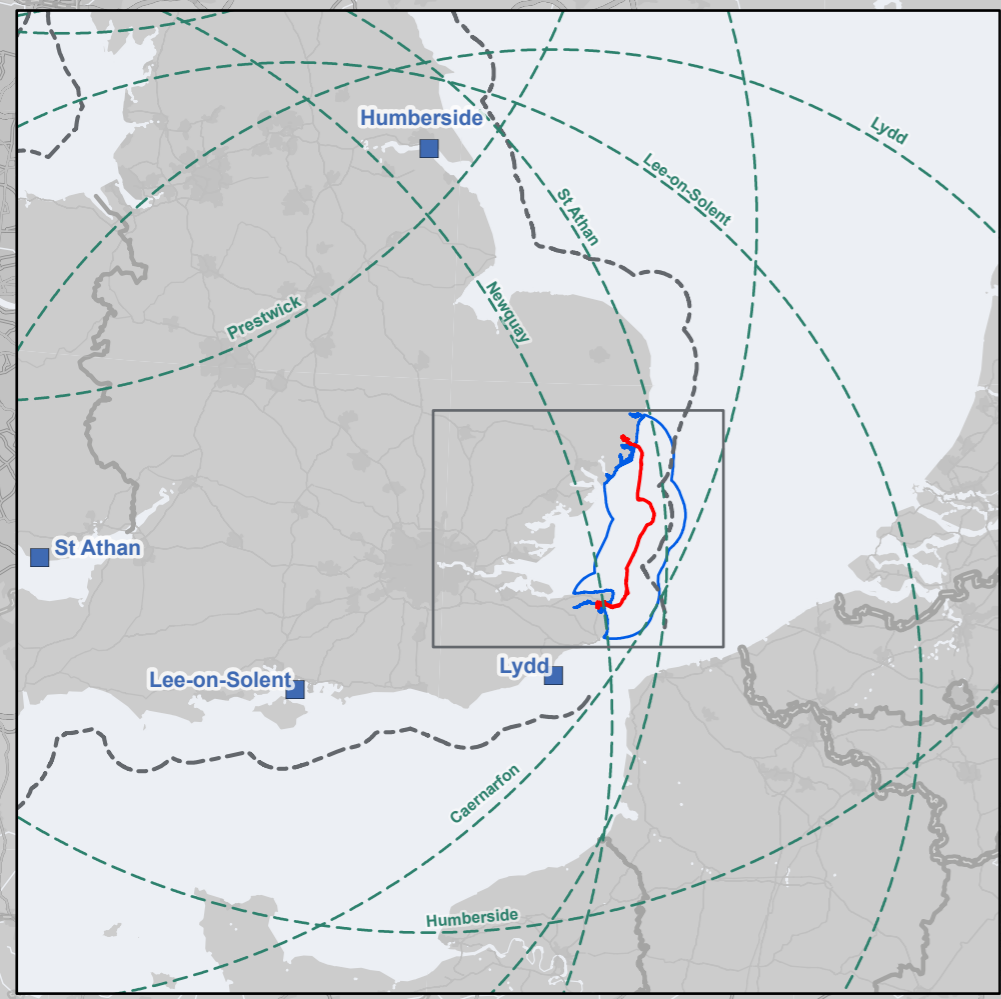
- Legend**
- Kilometre Point (KP)
 - ▭ DF3 Order Limits
 - ▭ 10 NM shipping and navigation study area
 - Port
 - UK Territorial Sea Limit
 - EEZ Boundaries
 - RNLi Lifeboat station
 - ▭ RNLi regions
- RNLi Returns of Service (2008 - 2020)**
- ▲ Adverse conditions
 - ▲ Unknown / other
 - ▲ Thought to be in trouble
 - ▲ Fouled propeller / impeller
 - ▲ In danger of drowning
 - ▲ Leaks / swamping
 - ▲ Machinery failure
 - ▲ Person in distress
 - ▲ Stranding / grounding

0	12/09/2024	NAVIGATIONAL RISK ASSESSMENT	BQ	XX	XX
Rev	Date	Description	GIS	Chk	App

nationalgrid					
Scheme: SEA LINK					
Document Title: RNLi search and rescue					
Creator:	Date:	Checker:	Date:	Approver:	Date:
BQ	12/09/2024	LM	12/09/2024	XX	
Document Ref:	Scale:	Format:	Sheets:	Rev:	
FIG 6.4.7.A.6	1:500,000	A3	1	0	

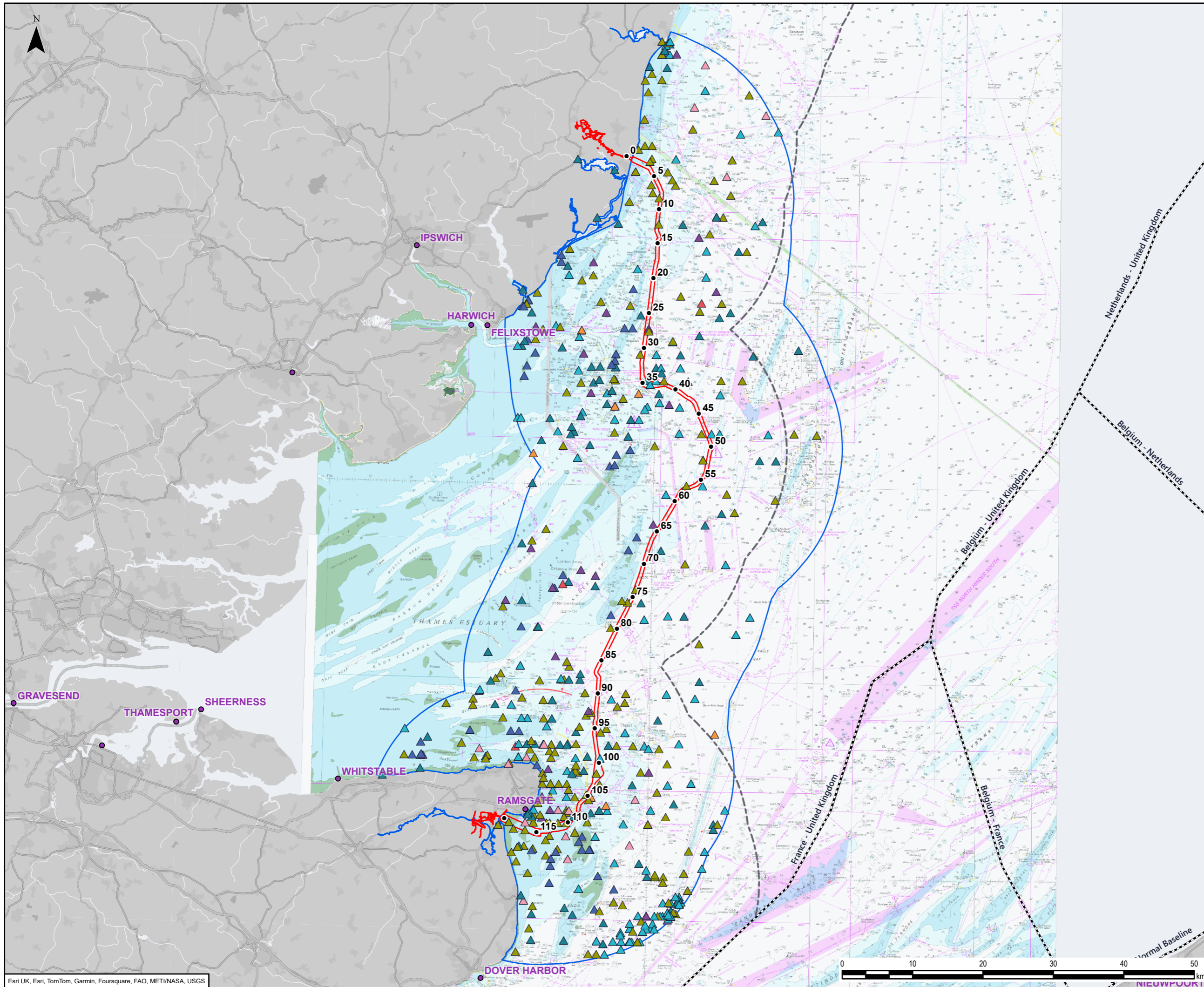


- Legend**
- Kilometre Point (KP)
 - ▭ DF3 Order Limits
 - ▭ 10 NM shipping and navigation study area
 - Port
 - - - UK Territorial Sea Limit
 - - - EEZ Boundaries
 - ▭ SARH bases
 - ▭ SARH Radii of action
- SARH taskings Apr 2016 to Mar 2021**
- ◆ Rescue/Recovery
 - ◆ Search
 - ◆ Support



0	12/09/2024	NAVIGATIONAL RISK ASSESSMENT	BQ	XX	XX
Rev	Date	Description	GIS	Chk	App

nationalgrid					
Scheme: SEA LINK					
Document Title: Search and Rescue Helicopter					
Creator: BQ	Date: 12/09/2024	Checker: LM	Date: 12/09/2024	Approver: XX	Date:
Document Ref: FIG 6.4.4.7 A.7	Scale: 1:500,000	Format: A3	Sheets: 1	Rev: 0	



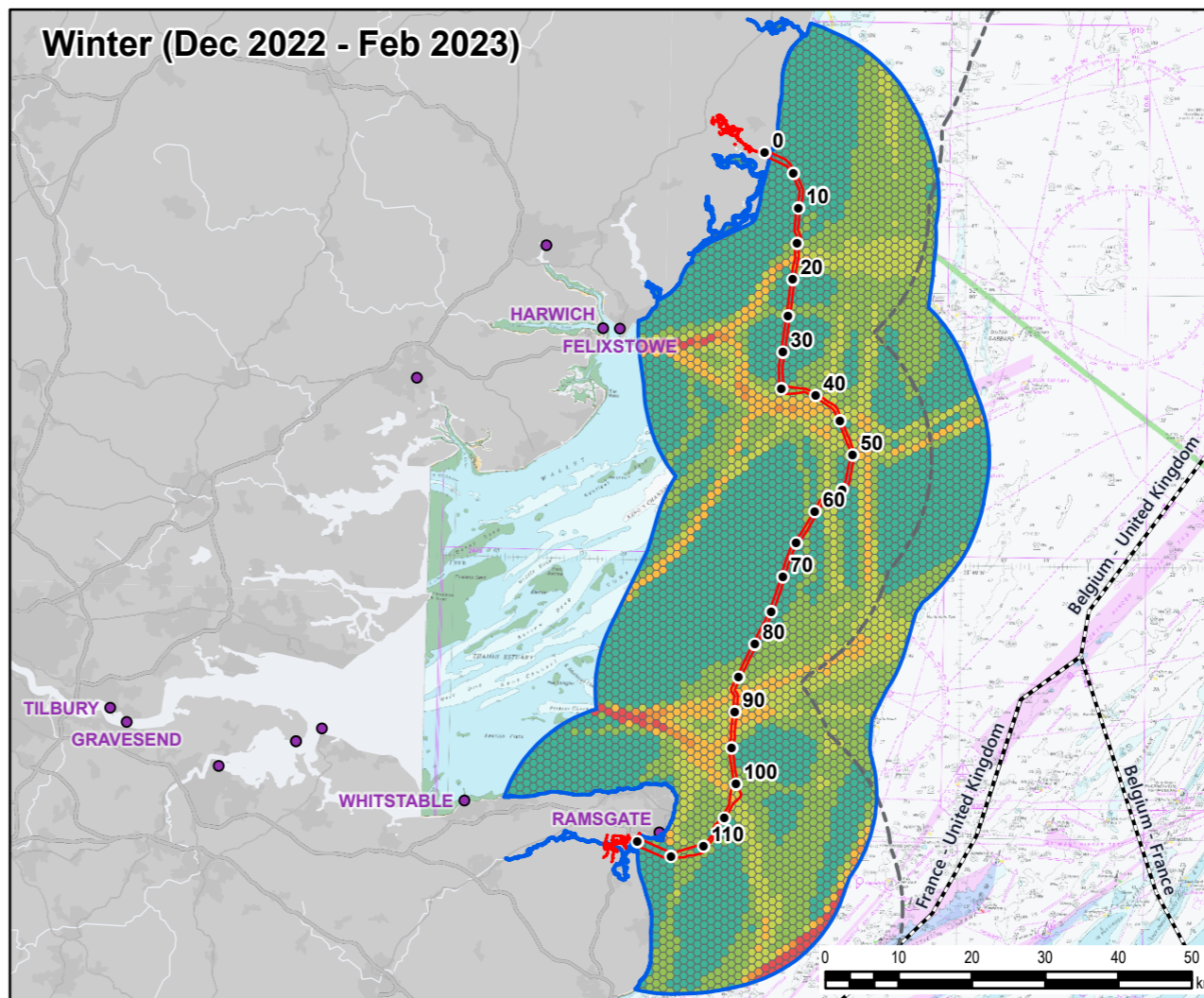
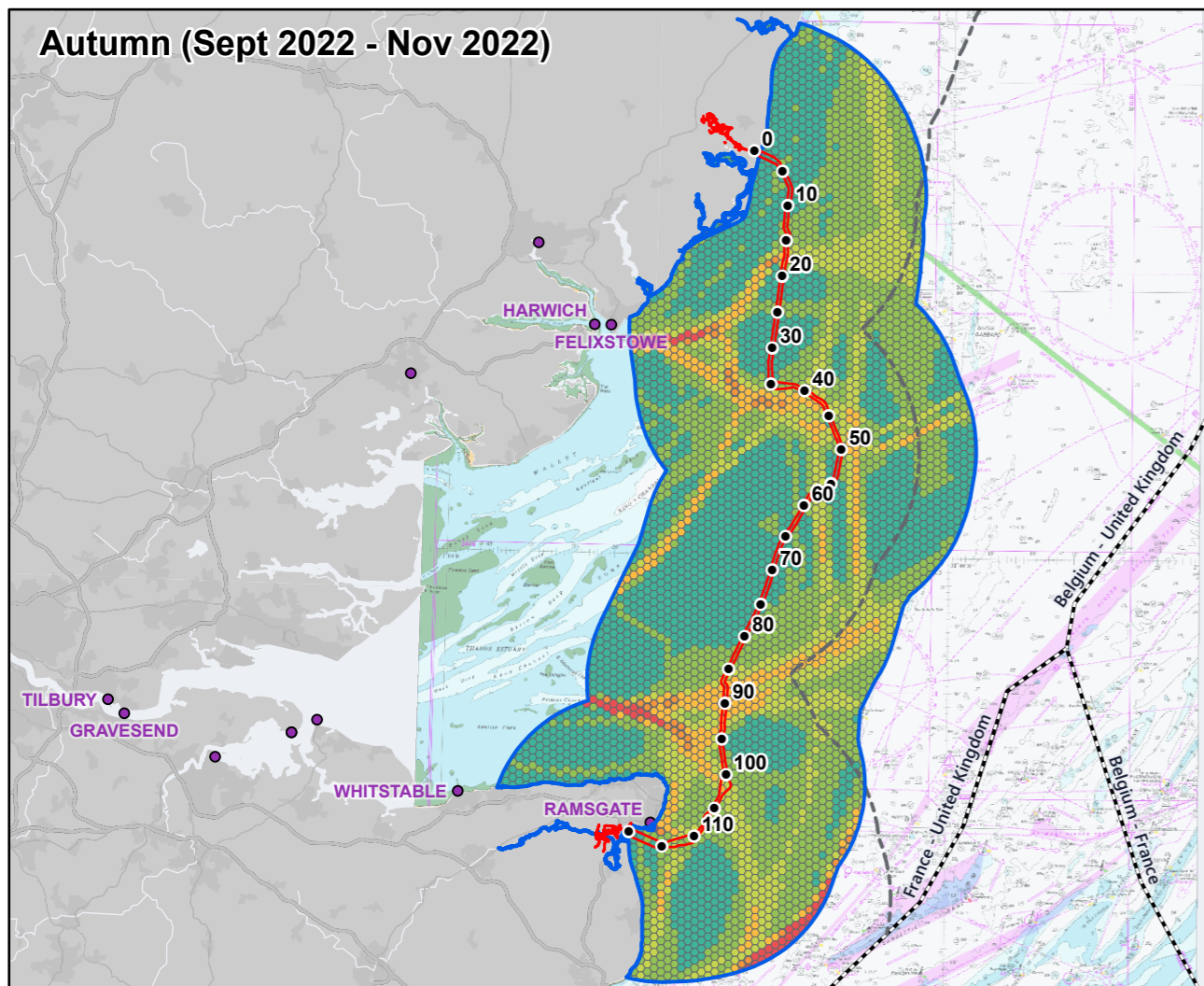
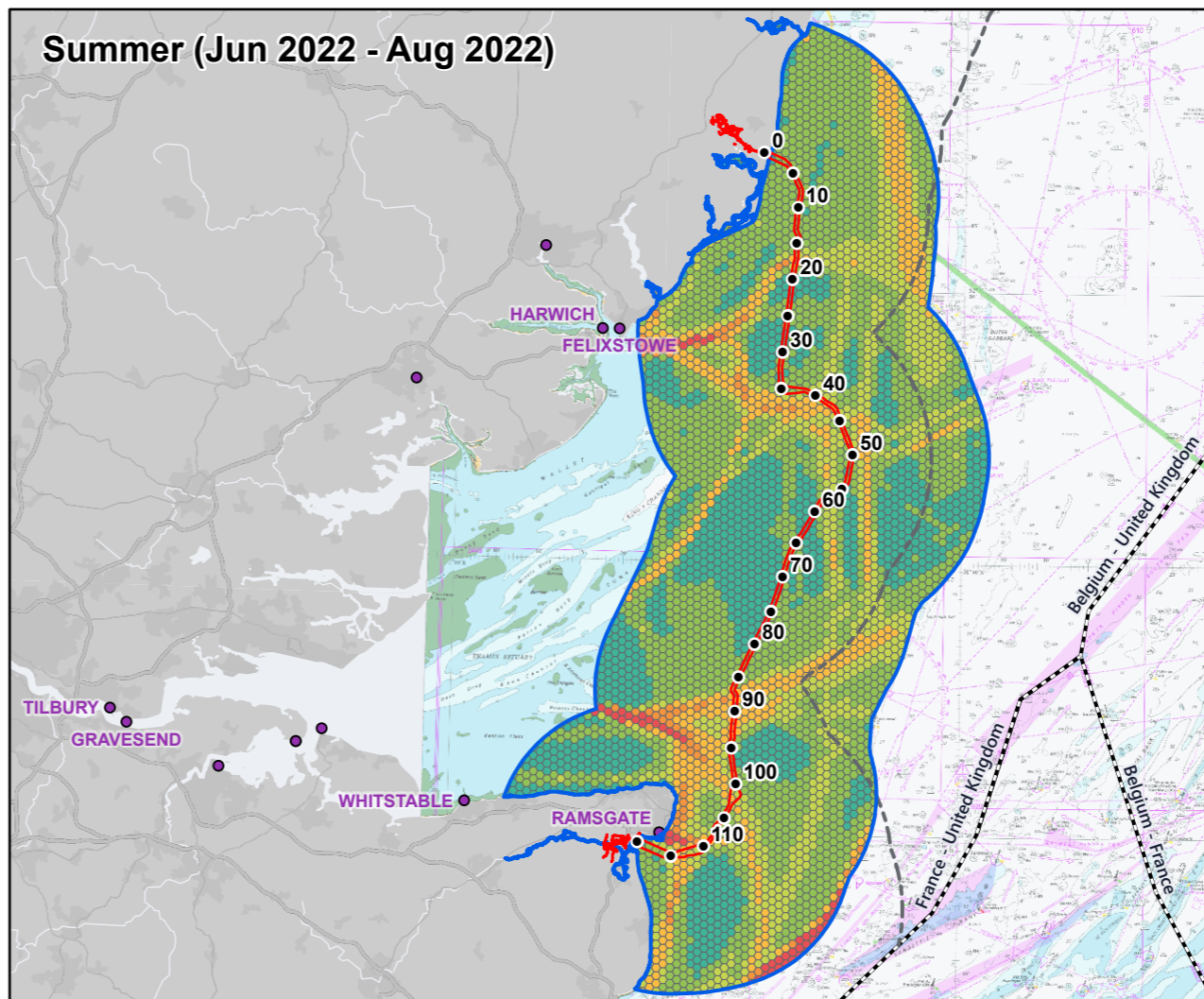
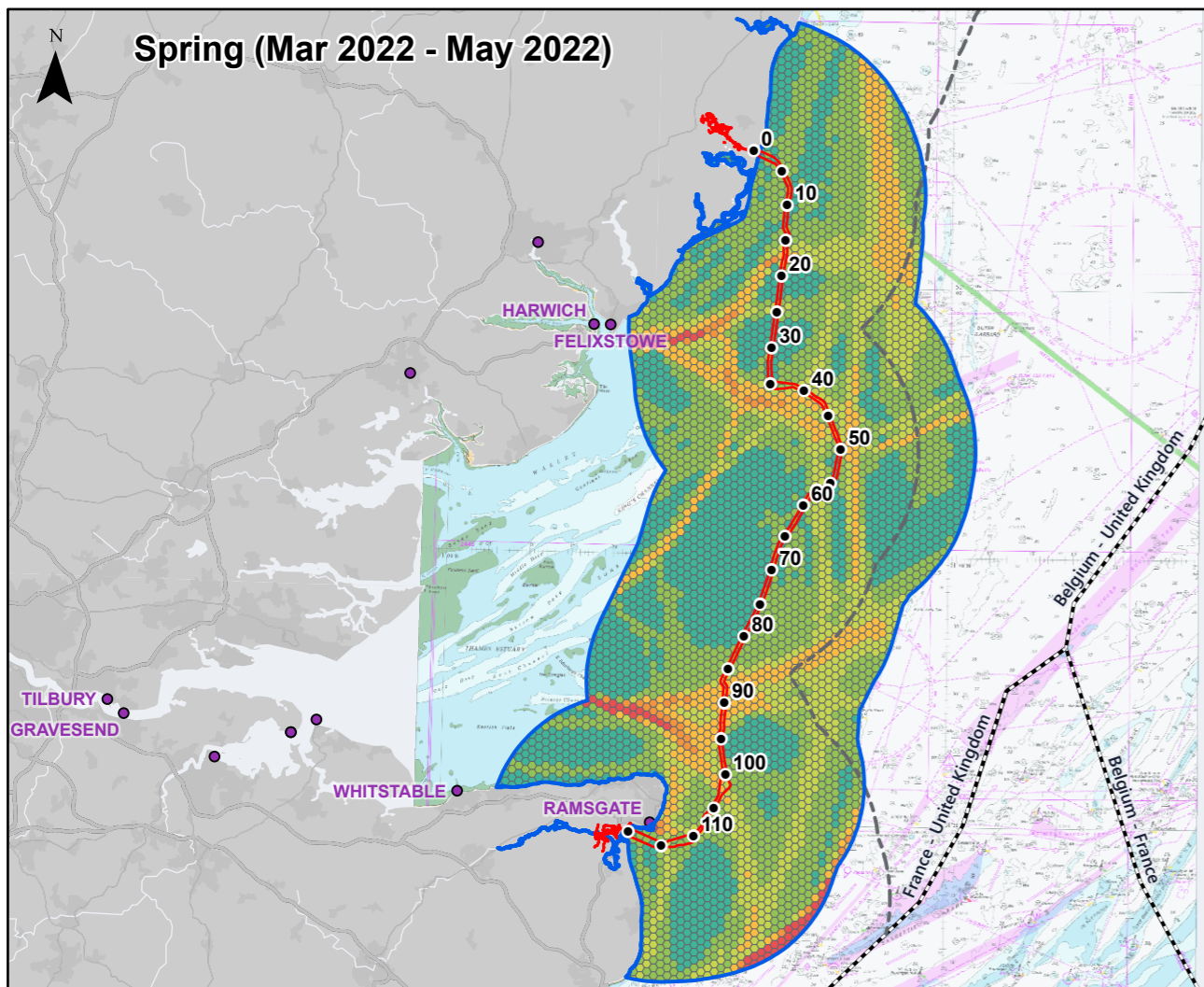
- Legend**
- Kilometre Point (KP)
 - ▭ DF3 Order Limits
 - ▭ 10 NM shipping and navigation study area
 - Port
 - - - UK Territorial Sea Limit
 - - - EEZ Boundaries
- MAIB event**
- ▲ Capsizing / listing
 - ▲ Collision
 - ▲ Contact
 - ▲ Damage/loss of equipment
 - ▲ Fire / explosion
 - ▲ Floating object
 - ▲ Flooding / foundering
 - ▲ Grounding / stranding
 - ▲ Hull failure
 - ▲ Loss of control
 - ▲ Other

0	12/09/2024	NAVIGATIONAL RISK ASSESSMENT	BQ	XX	XX
Rev	Date	Description	GIS	Chk	App

nationalgrid

Scheme: SEA LINK
 Document Title: MAIB events

Creator: BQ	Date: 12/09/2024	Checker: LM	Date: 12/09/2024	Approver: XX	Date:
Document Ref: FIG 6.4.4.7 A.8	Scale: 1:500,000	Format: A3	Sheets: 1	Rev: 0	



- Legend**
- Kilometre Point (KP)
 - DF3 Order Limits
 - 10 NM shipping and navigation study area
 - Port
 - - - UK Territorial Sea Limit
 - - - EEZ Boundaries
- Seasonal vessel track density per 1sqkm
- 0 - 50
 - 50 - 250
 - 250 - 500
 - 500 - 1,000
 - 1,000 - 1,500
 - 1,500 - 6,000

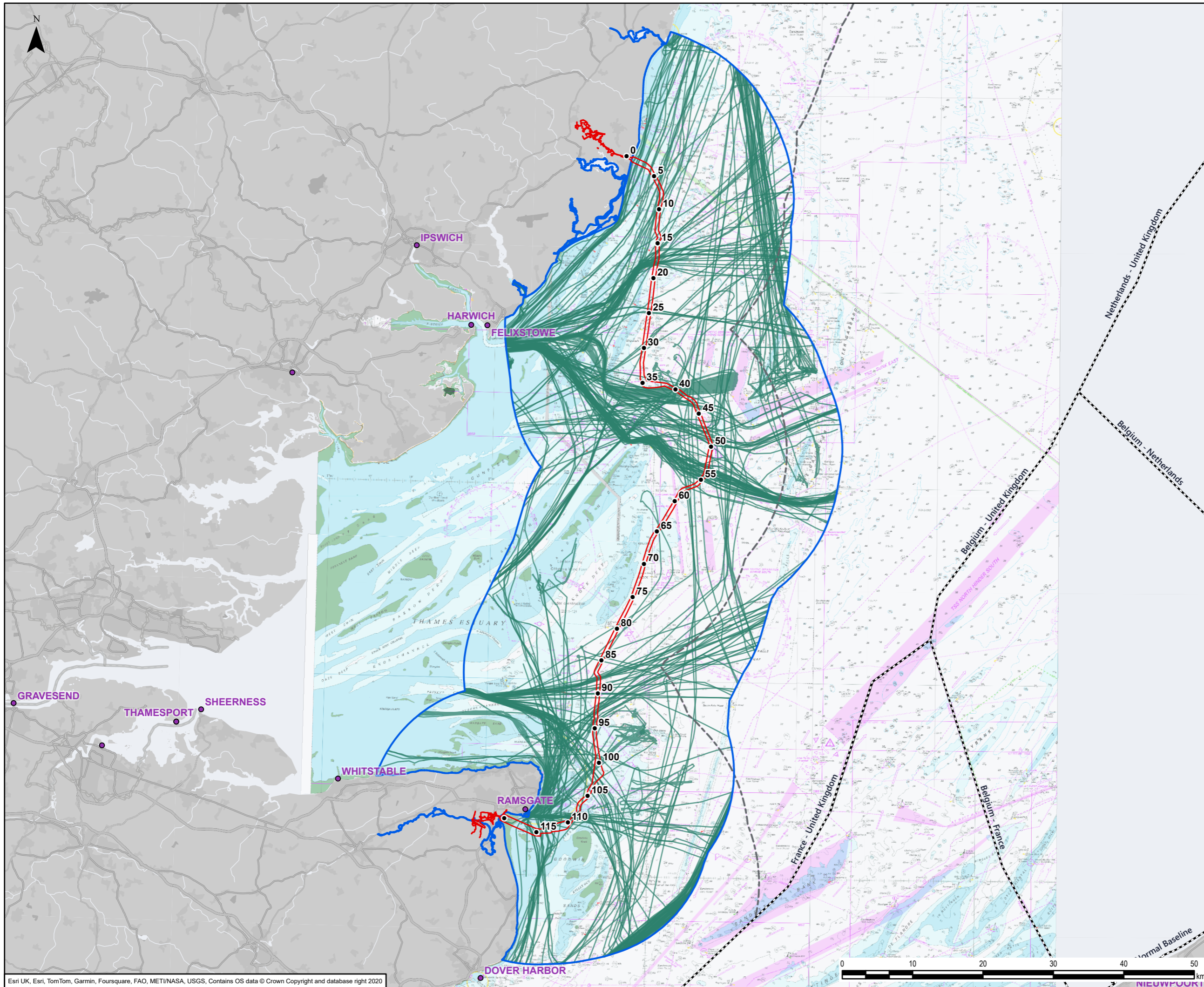
0	12/09/2024	NAVIGATIONAL RISK ASSESSMENT	BQ	XX	XX
Rev	Date	Description	GIS	Chk	App

nationalgrid

Scheme: SEA LINK

Document Title: Seasonal vessel track density

Creator: BQ	Date: 12/09/2024	Checker: LM	Date: 12/09/2024	Approver: XX	Date:
Document Ref: FIG 6.4.7.A.9	Scale: 1:975,000	Format: A3	Sheets: 1	Rev: 0	



- Legend**
- Kilometre Point (KP)
 - ▭ DF3 Order Limits
 - ▭ 10 NM shipping and navigation study area
 - Port
 - - - UK Territorial Sea Limit
 - - - EEZ Boundaries
 - Vessel tracks on the busiest day (27 May 2022)

0	12/09/2024	NAVIGATIONAL RISK ASSESSMENT	BQ	XX	XX
Rev	Date	Description	GIS	Chk	App

nationalgrid

Scheme: SEA LINK

Document Title: Busiest day

Creator: BQ	Date: 12/09/2024	Checker: LM	Date: 12/09/2024	Approver: XX	Date:
Document Ref: FIG 6.4.4.7.A.10	Scale: 1:500,000	Format: A3	Sheets: 1	Rev: 0	

National Grid plc
National Grid House,
Warwick Technology Park,
Gallows Hill, Warwick.
CV34 6DA United Kingdom

Registered in England and Wales
No. 4031152
nationalgrid.com