

# Chapter 21 Intertidal and Offshore Ornithology

**Figure 21.1 Intertidal and offshore ornithology study area and relevant designated sites**

**Figure 21.2 LionLink Wintering bird survey 2023/2024 sightings data**

**Figure 21.3 LionLink Inshore and beach breeding bird Survey 2024 sightings data**

**Figure 21.4 European Shag spatial variation in predicted densities (individuals/Km2) in January and June**

**Figure 21.5 Razorbill spatial variation in predicted densities (individuals/Km2) in January and June.**

**Figure 21.6 Common Guillemot spatial variation in predicted densities (individuals/Km2) in January and June.**

**Figure 21.7 Herring Gull spatial variation in predicted densities (individuals/Km2) in January and June.**

**Figure 21.8 Kittiwake spatial variation in predicted densities (individuals/Km2) in January and June.**

**Figure 21.9 Lesser Black-backed Gull spatial variation in predicted densities (individuals/Km2) in January and June.**

**Figure 21.10 Red-throated diver spatial variation within the Outer Thames Estuary SPA 2013**

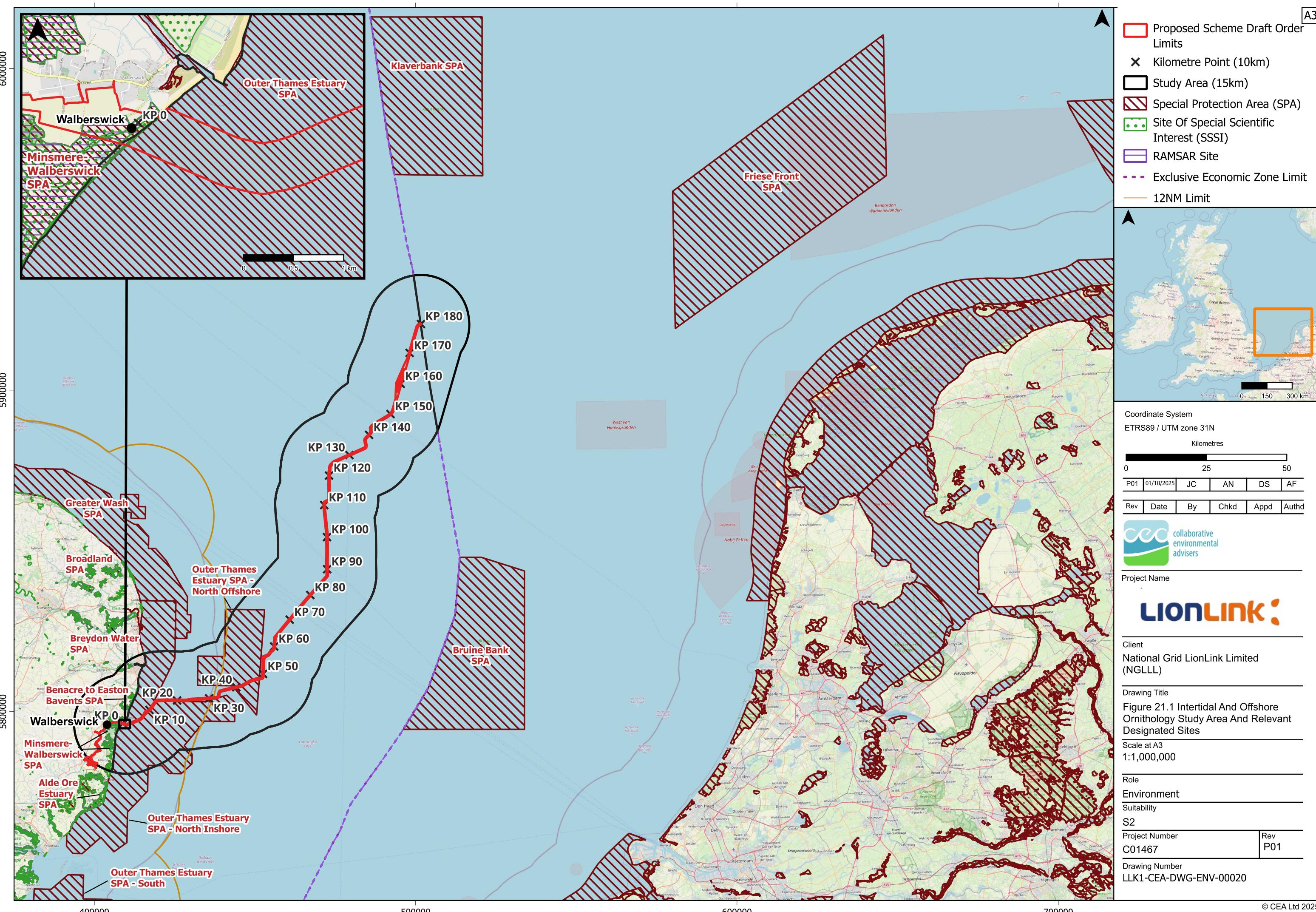
**Figure 21.11 Red-throated diver spatial variation within the Outer Thames Estuary SPA 2018**

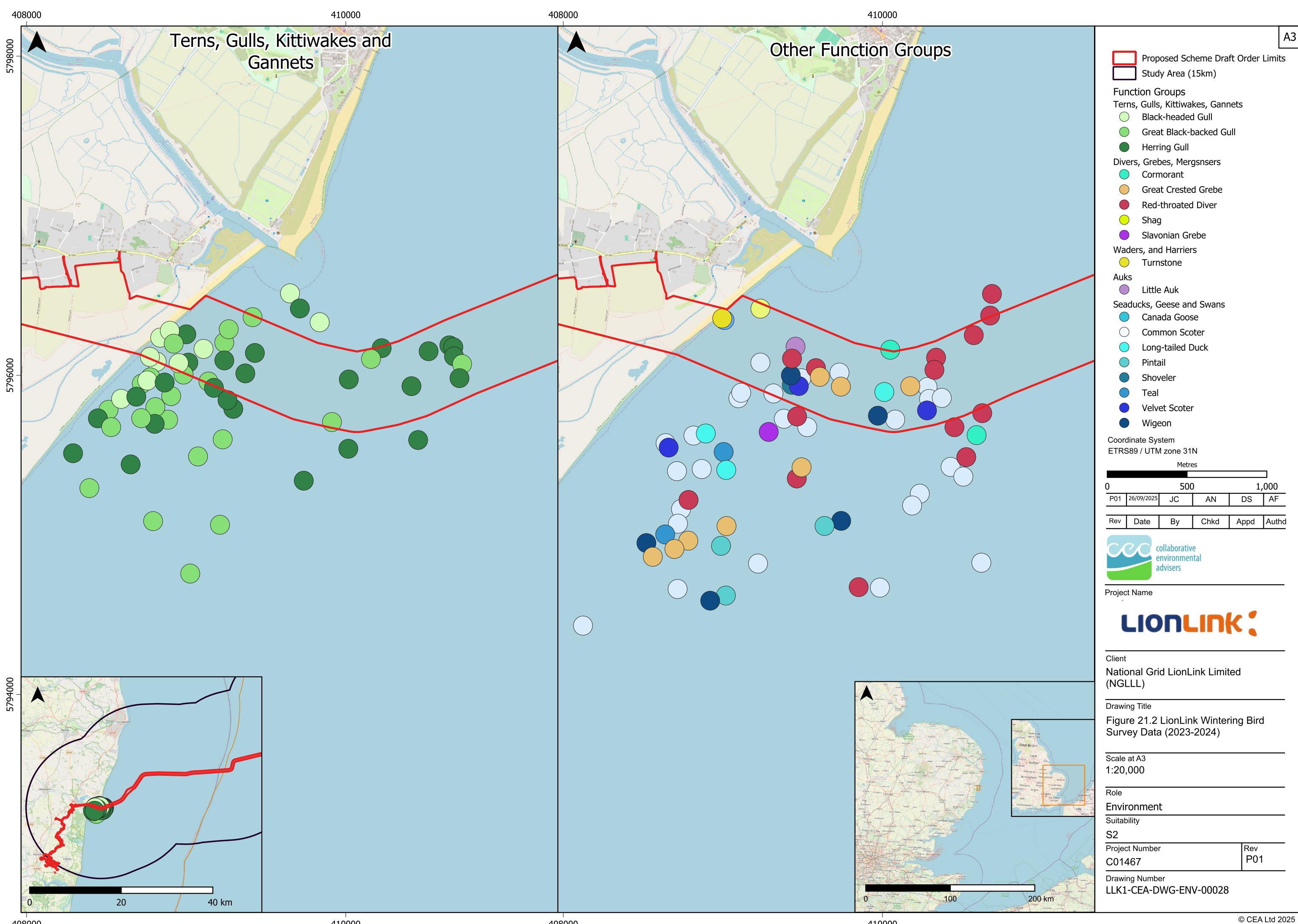
**Figure 21.12 Monthly red-throated diver sitings from LionLink wintering bird survey 2023/24**

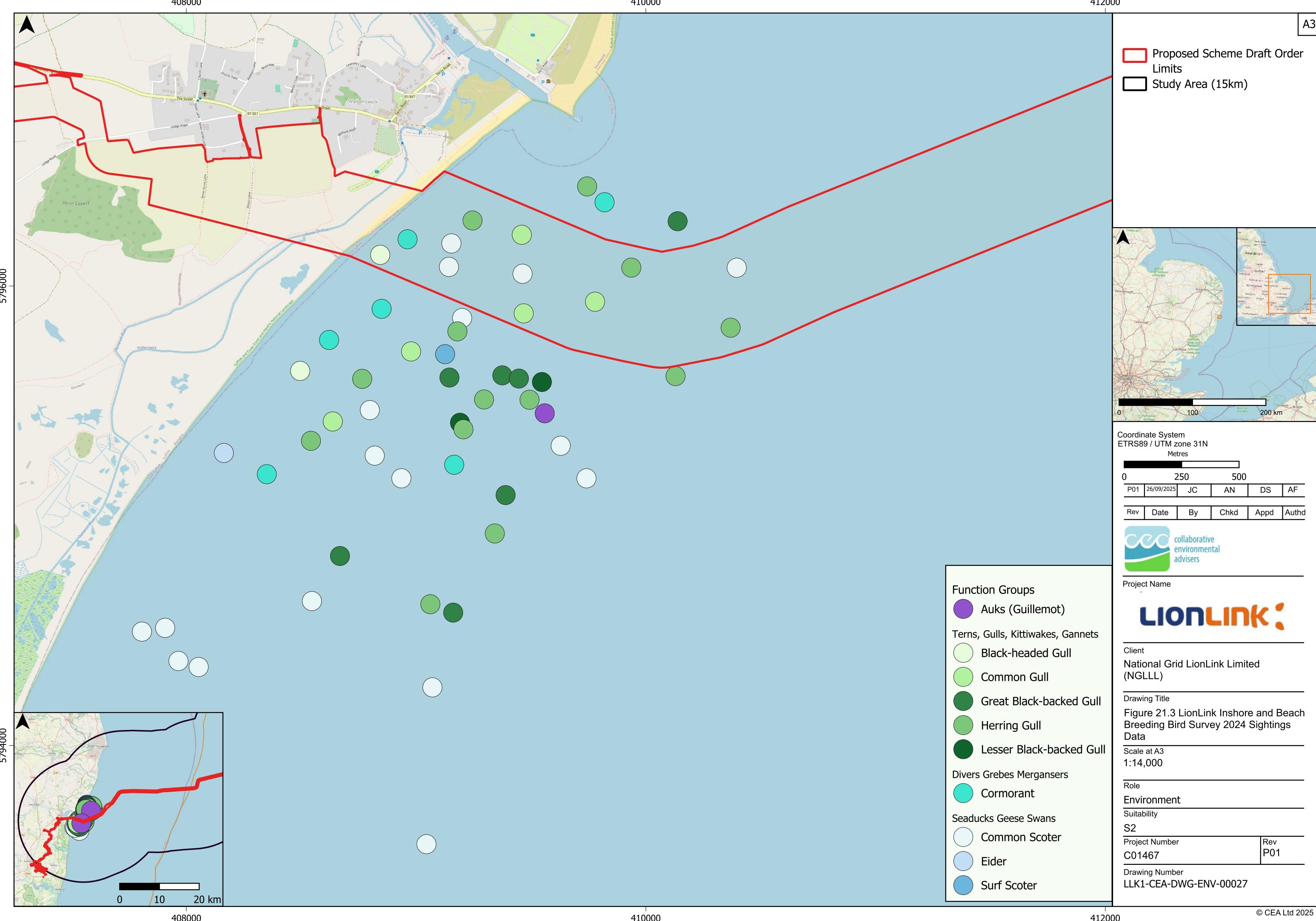
**Figure 21.13 Red-throated diver bird count 2013 in comparison to vessel density**

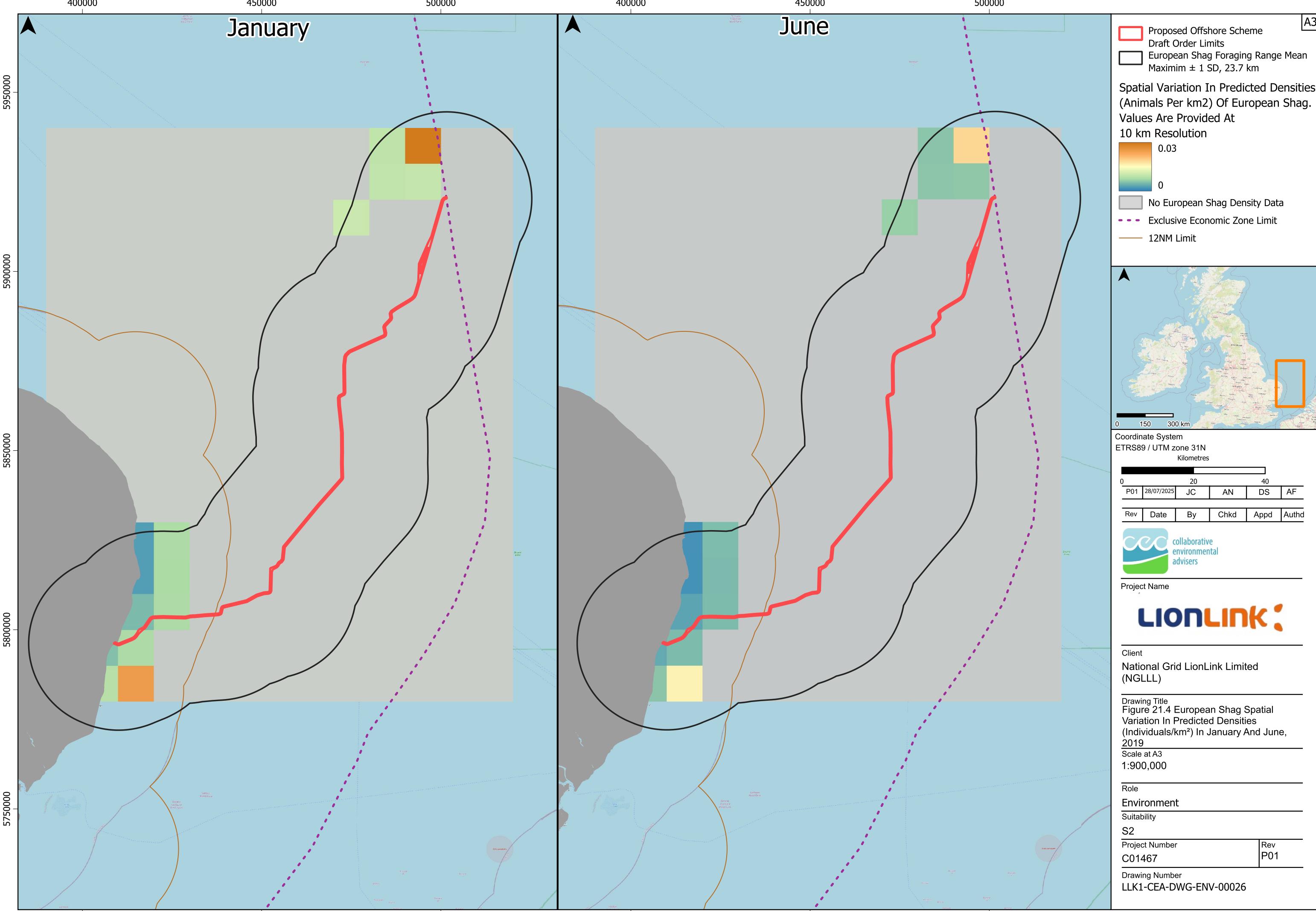
**Figure 21.14 Red-throated diver bird count 2018 in comparison to vessel density**

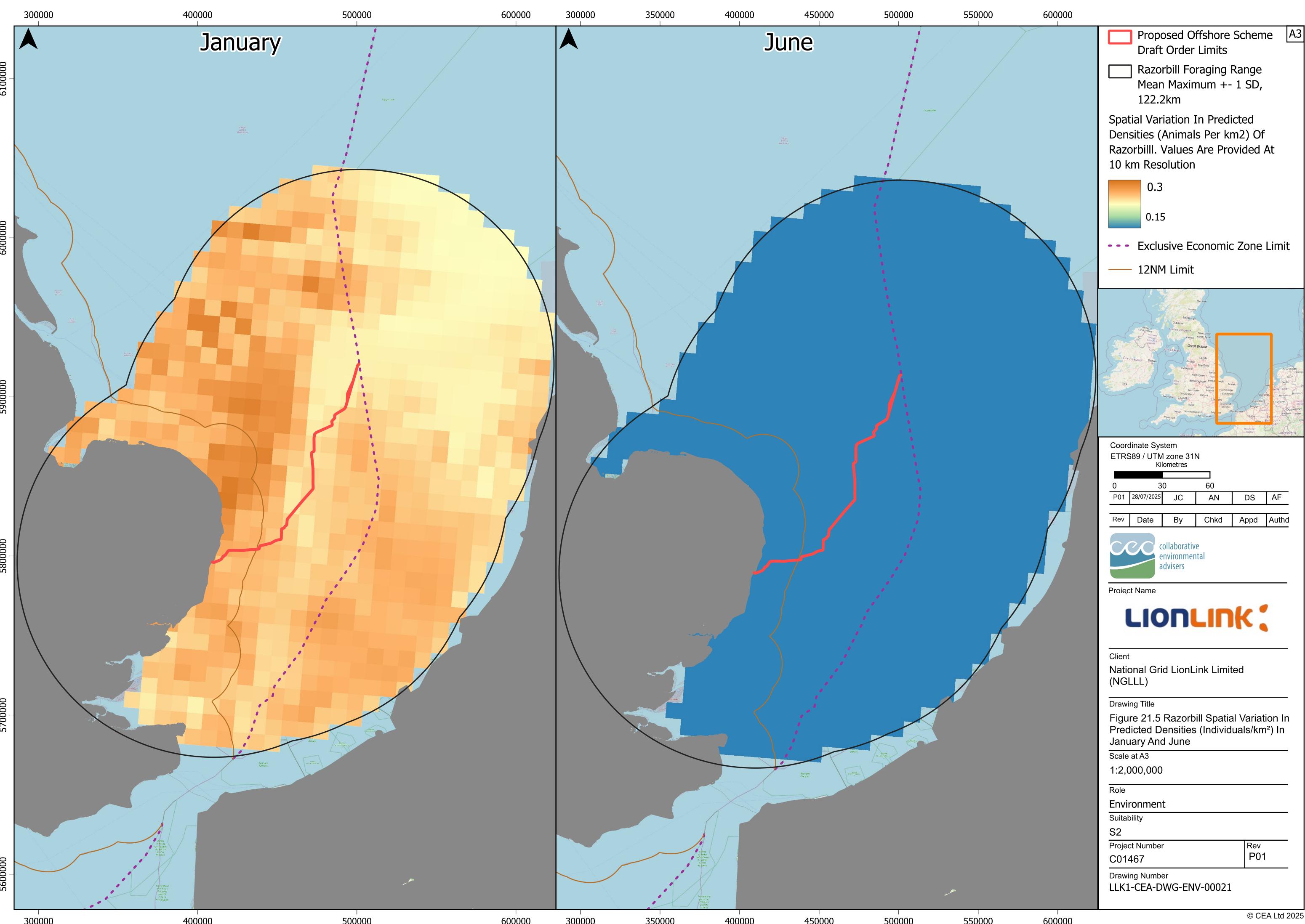
**Figure 21.15 Worst case scenario vessel transit routes through Outer Thames Estuary SPA**

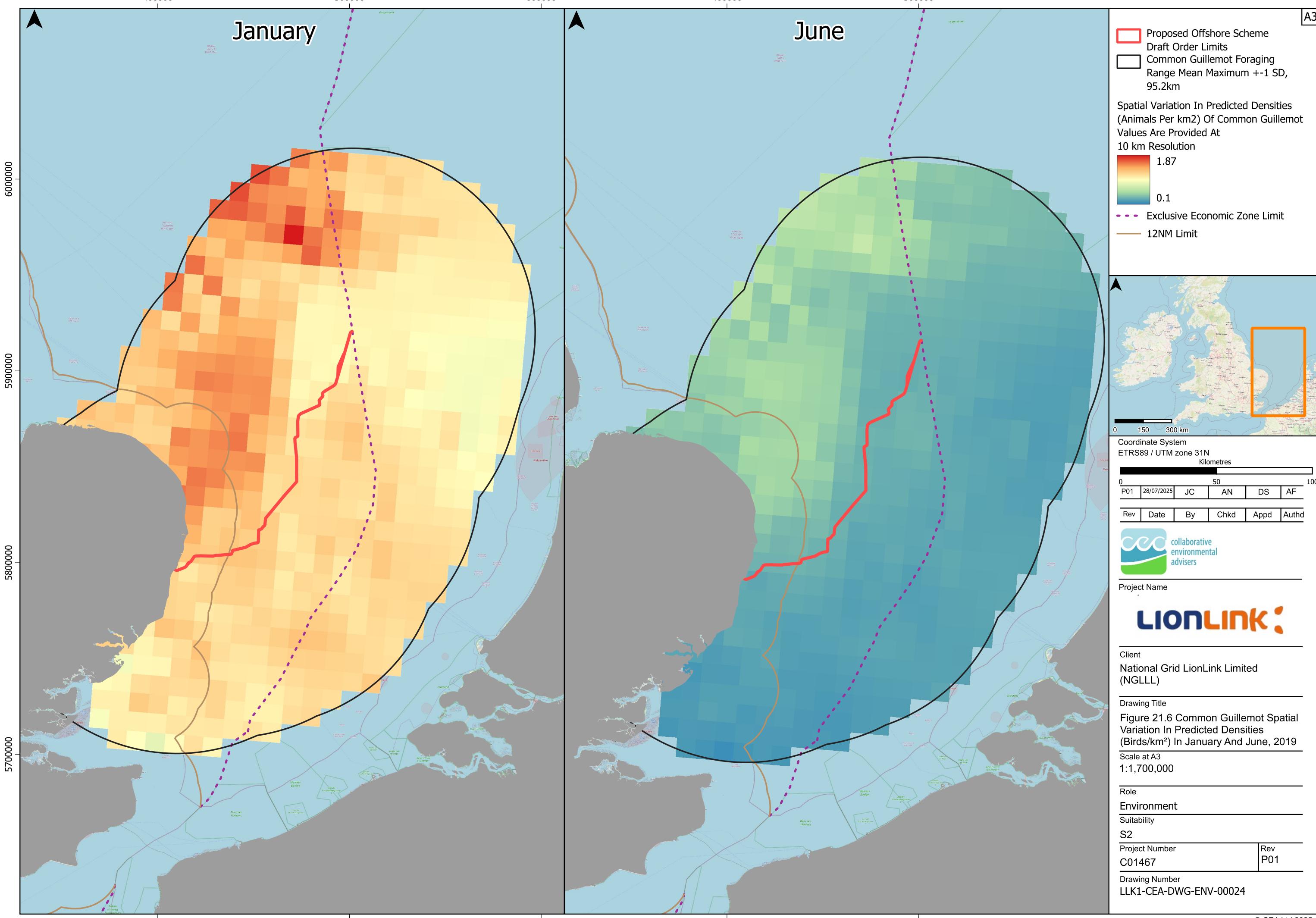


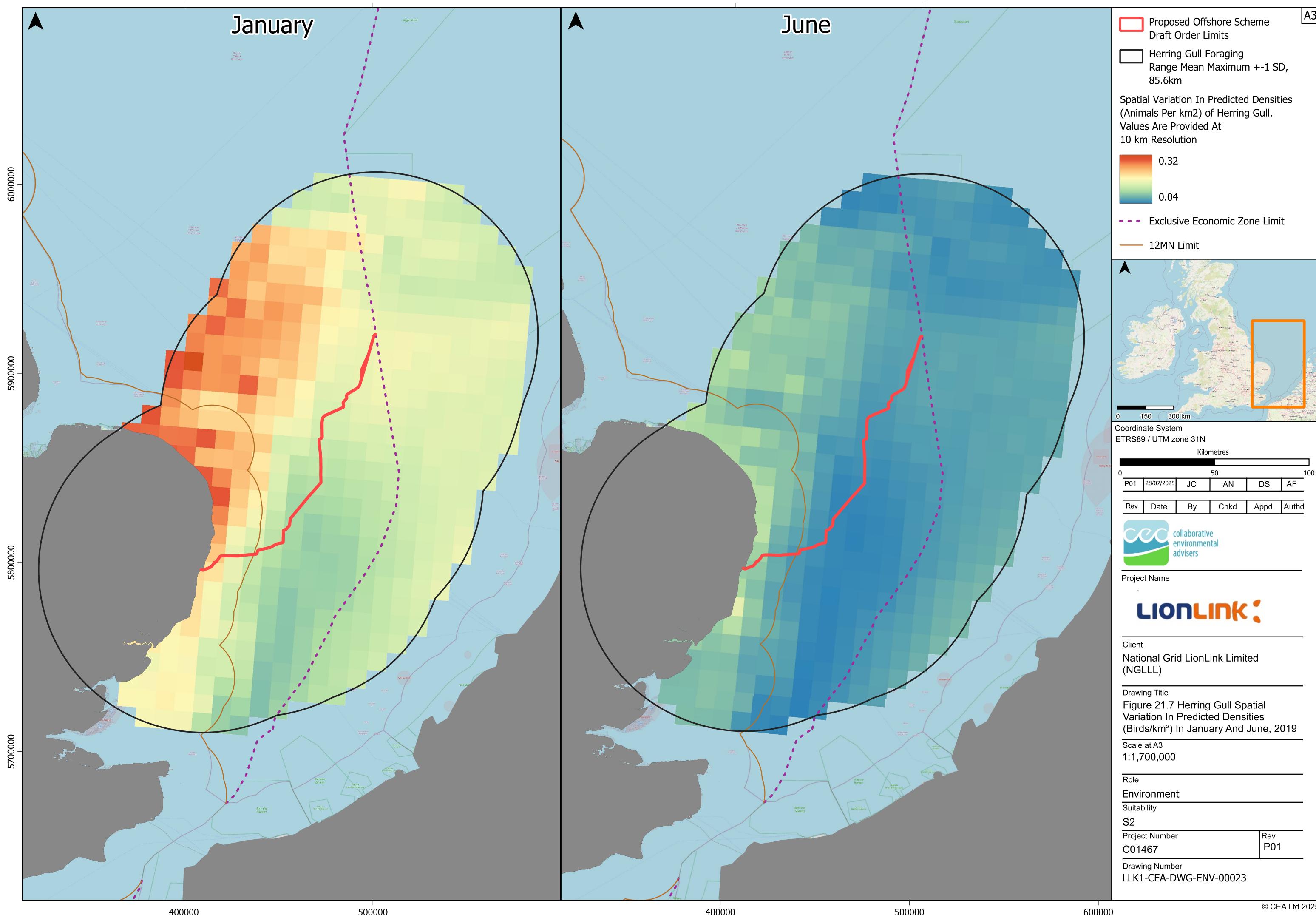








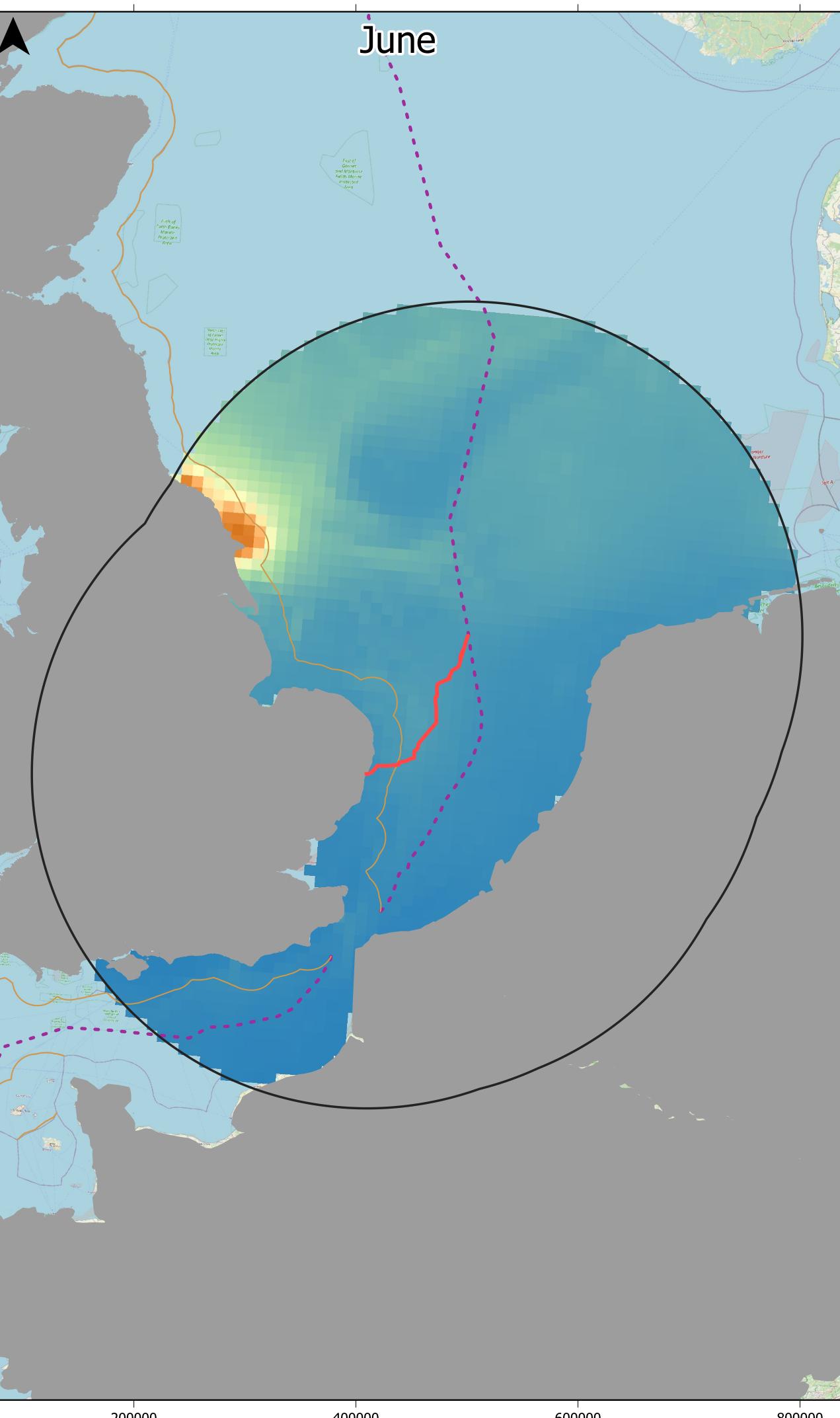
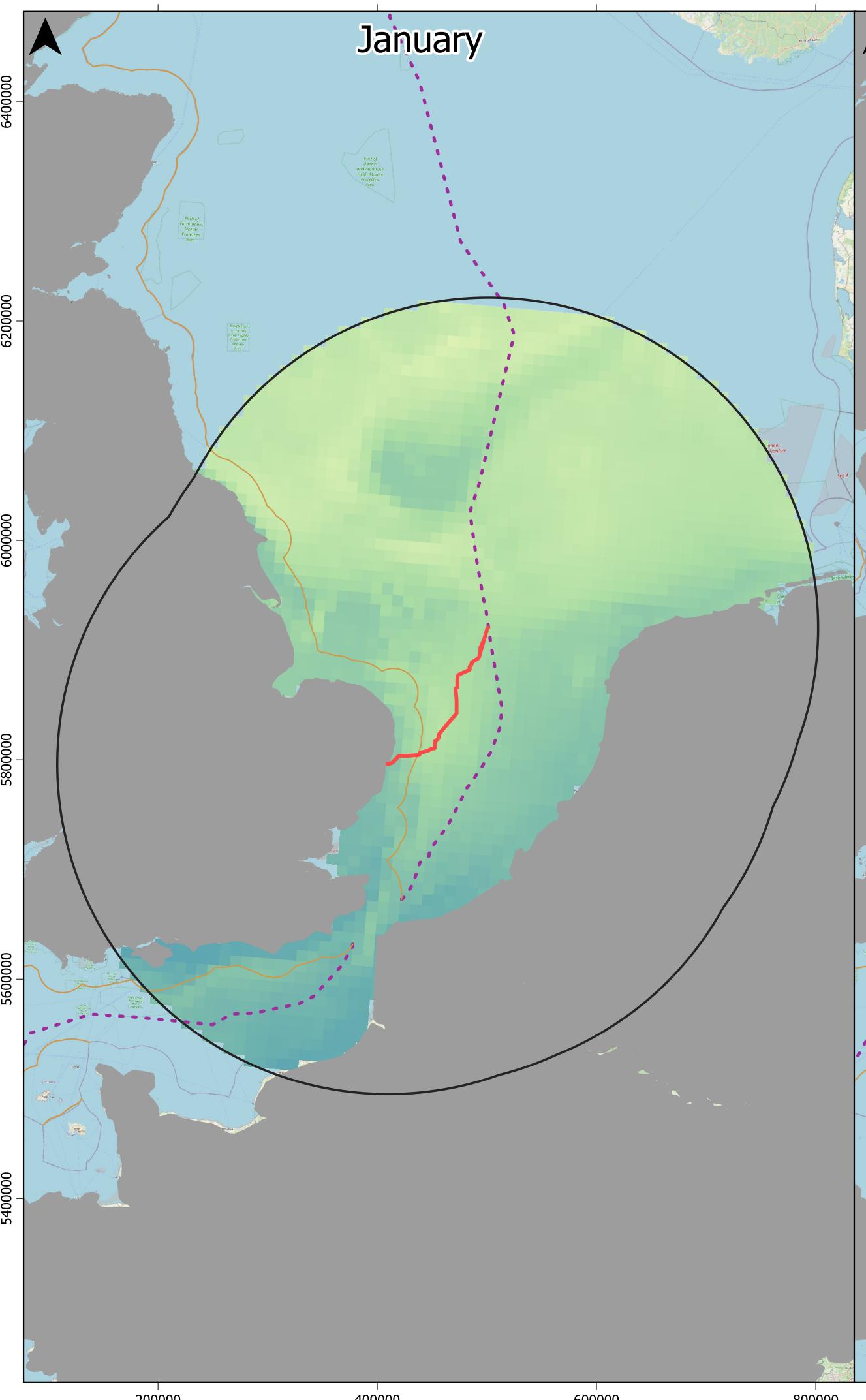


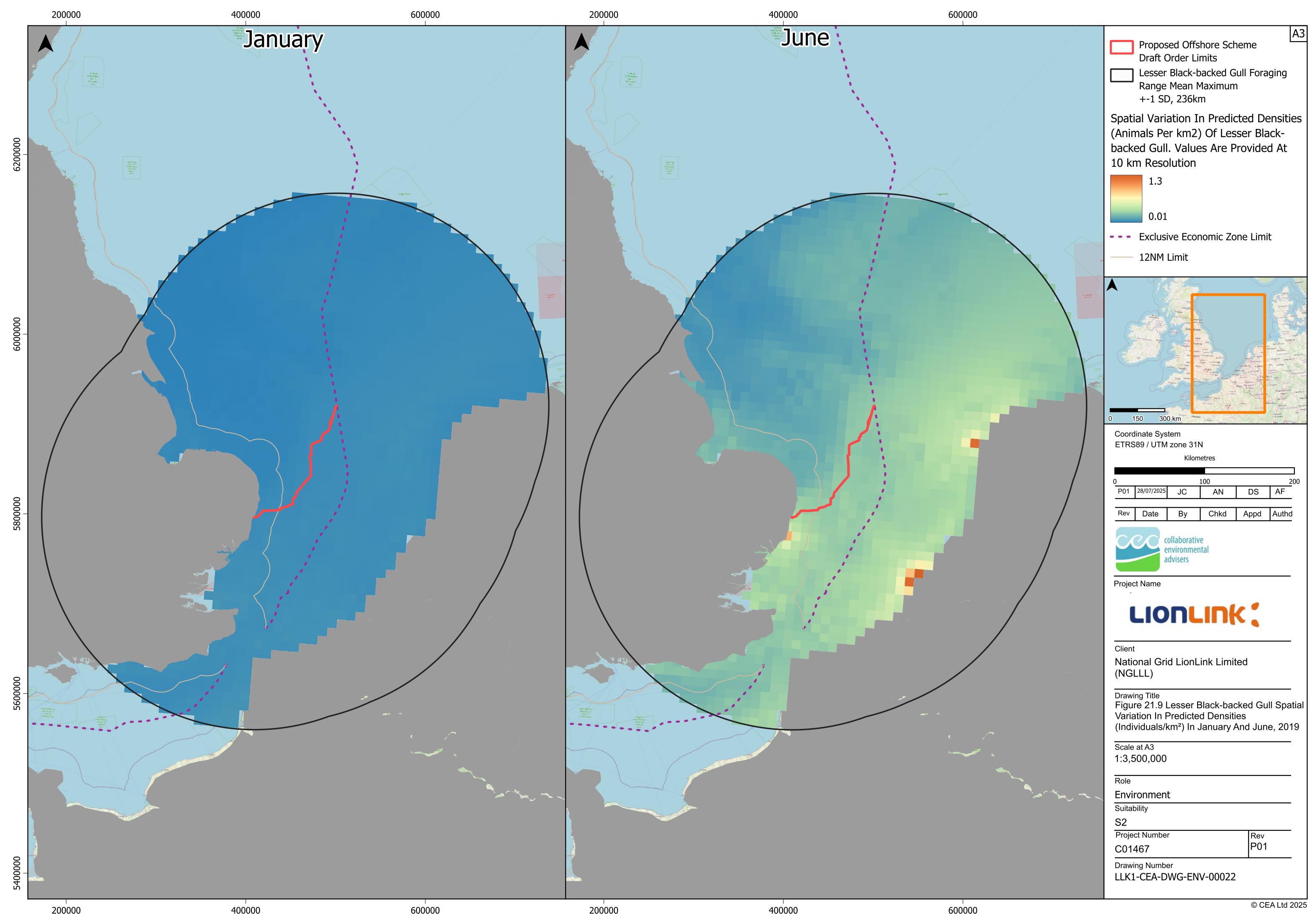


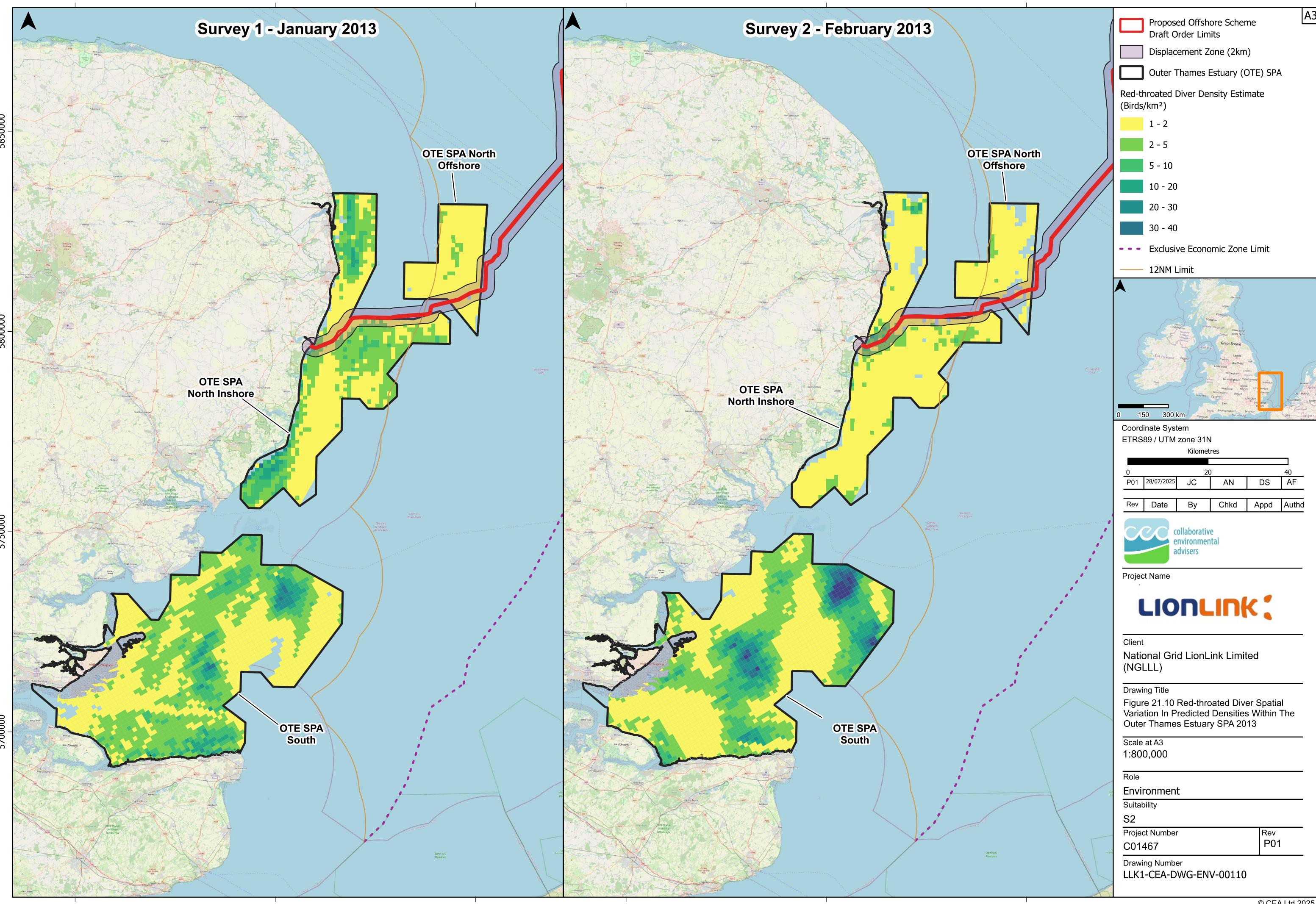
# January

# June

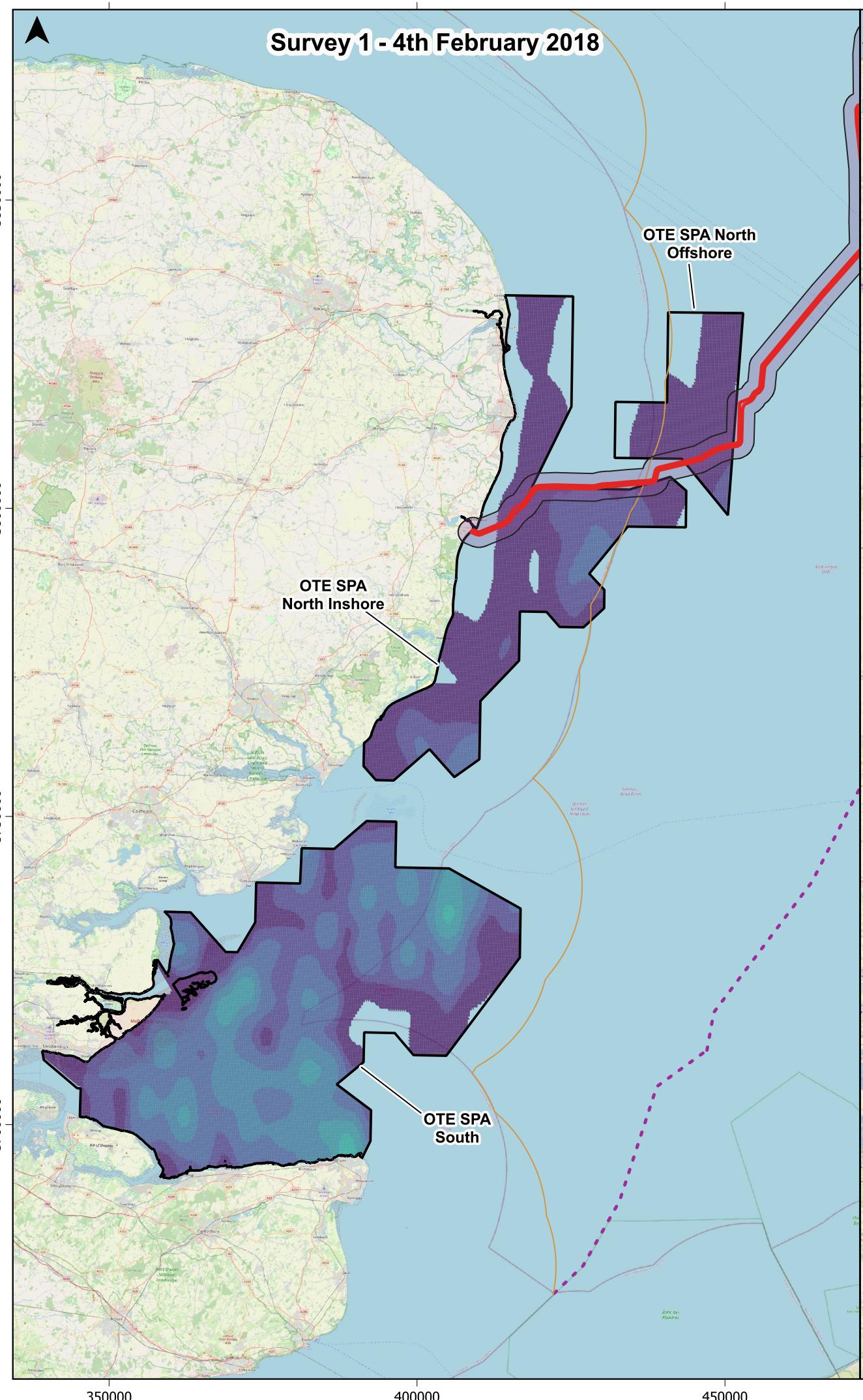
A3



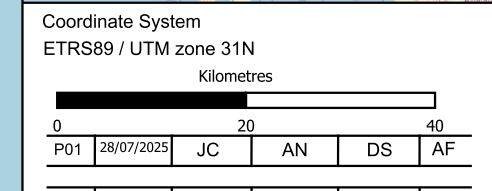
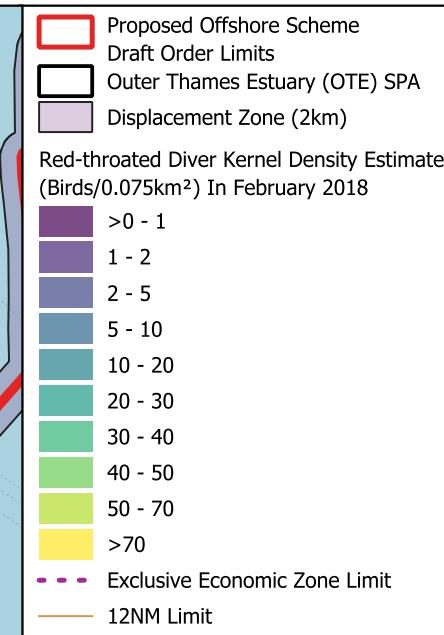
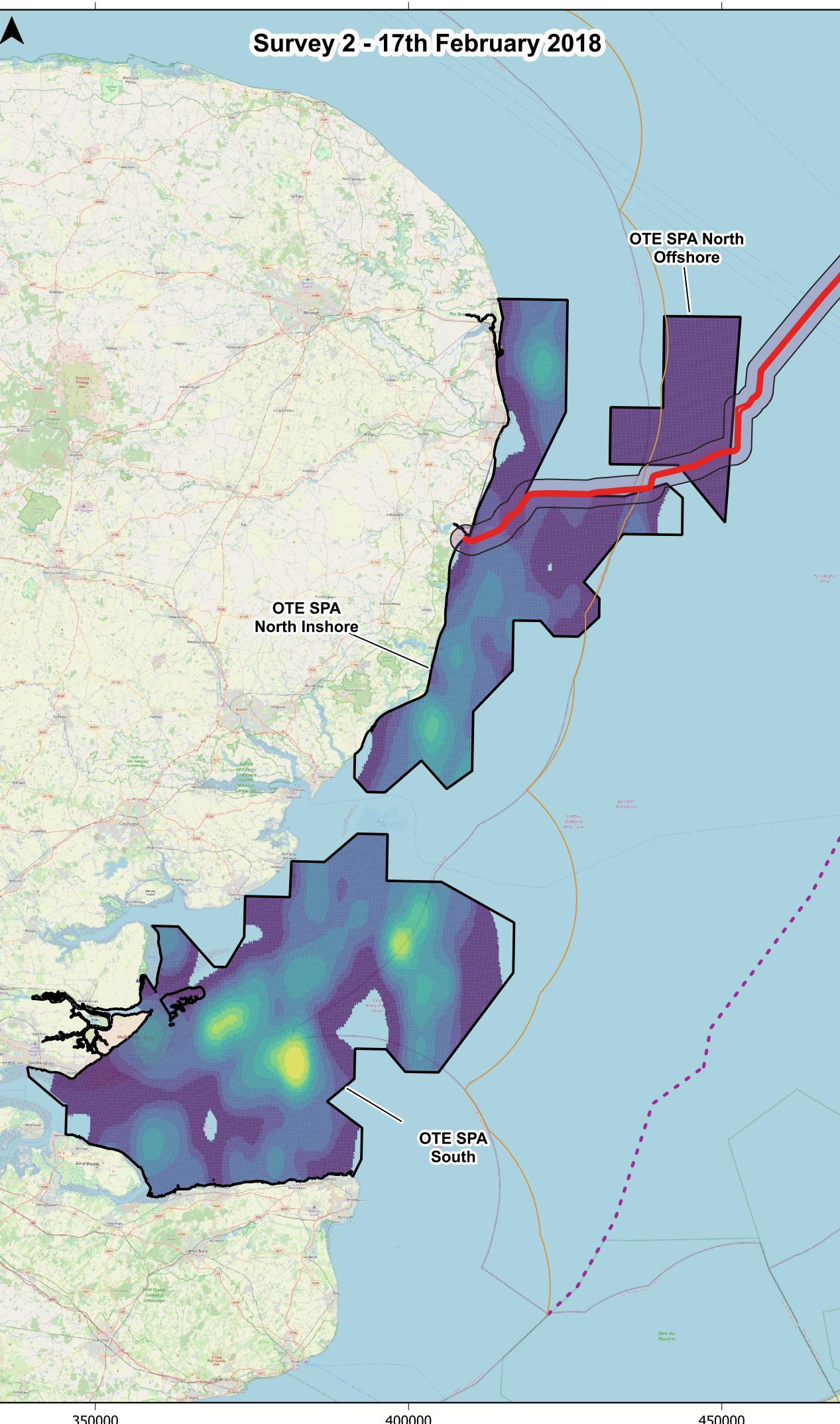




Survey 1 - 4th February 2018



Survey 2 - 17th February 2018



Project Name

LIONLINK

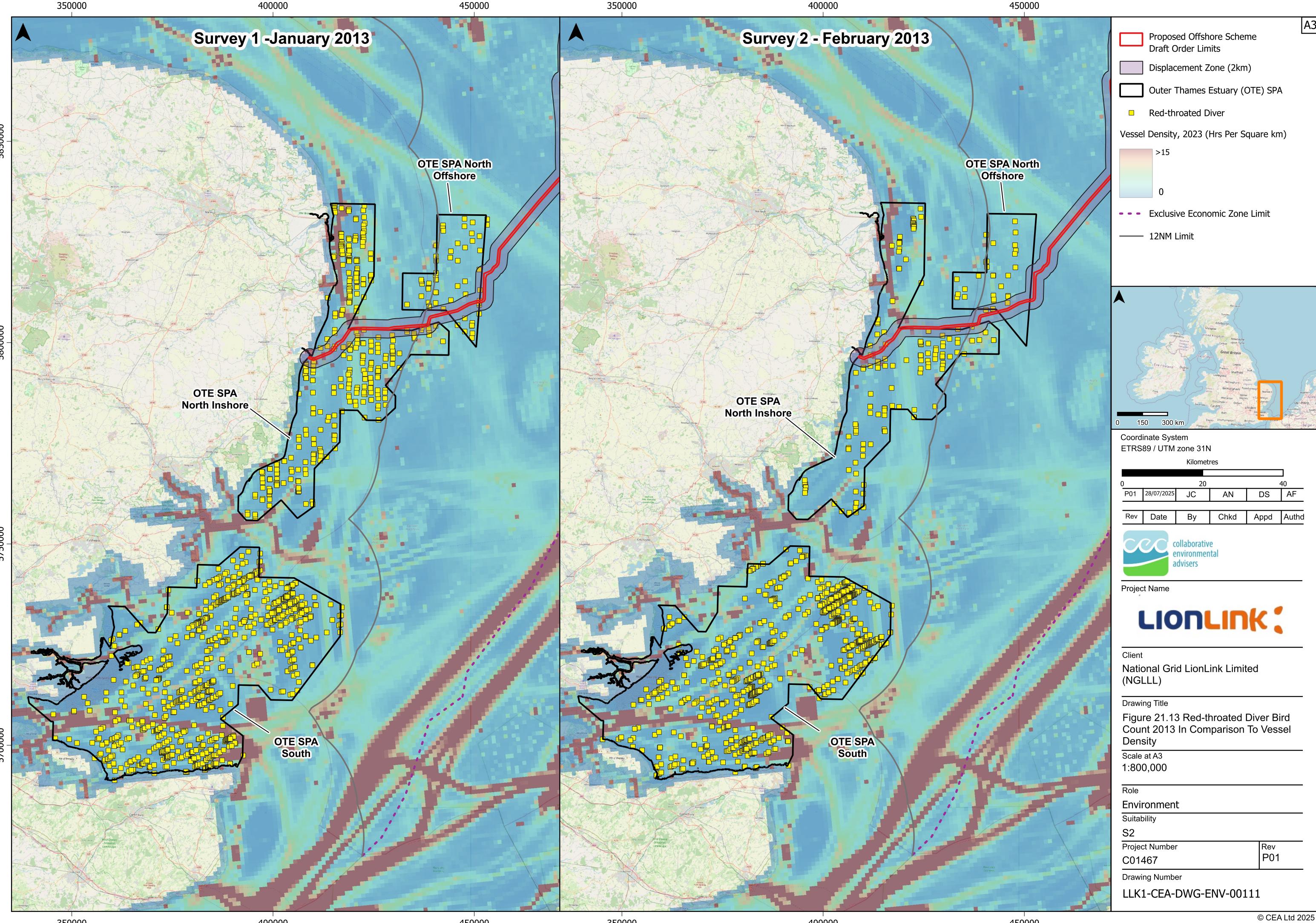
Client  
National Grid LionLink Limited (NGLL)

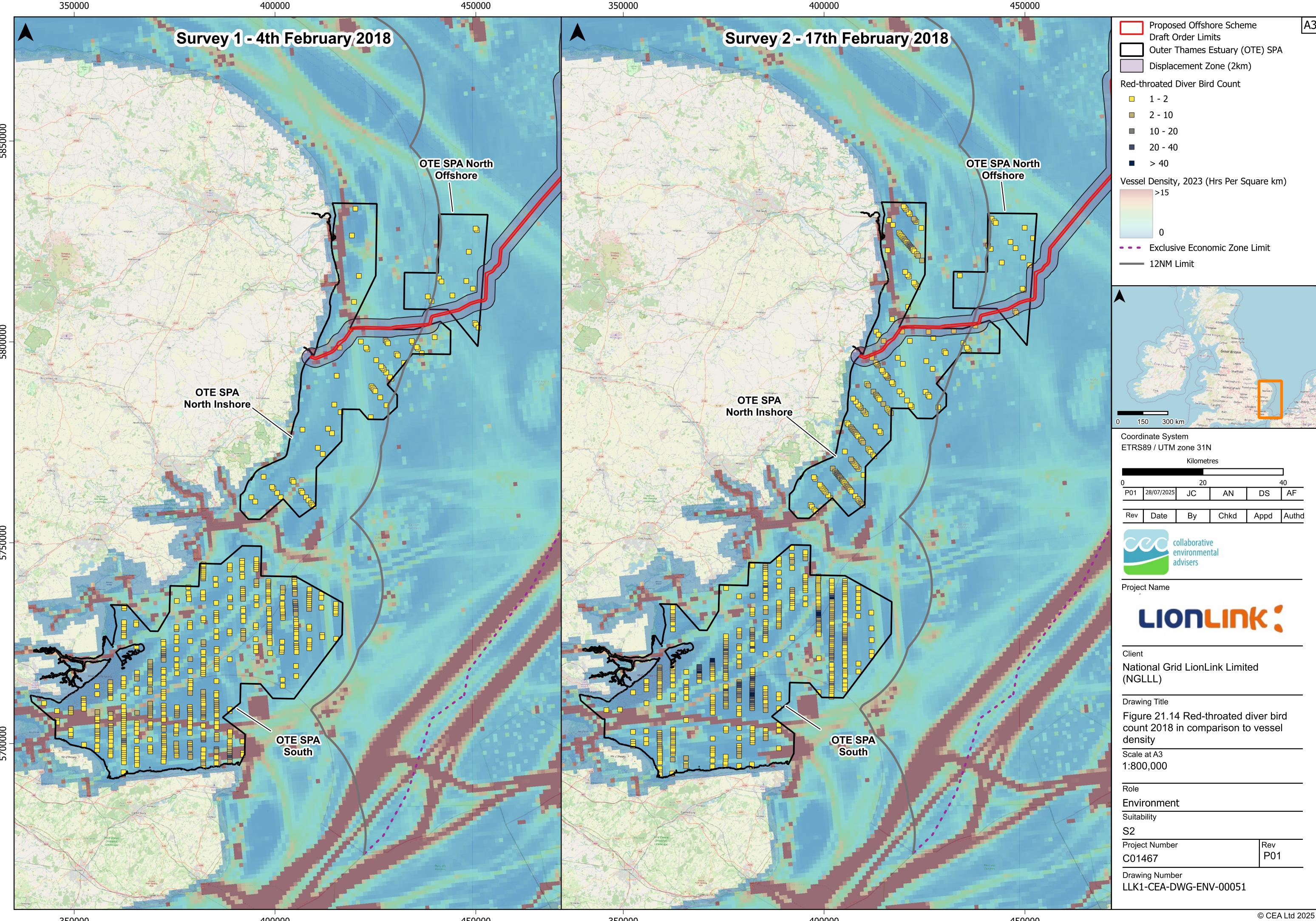
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Figure 21.11 Red-throated Diver Spatial Variation In Predicted Densities Within The Outer Thames Estuary SPA 2018

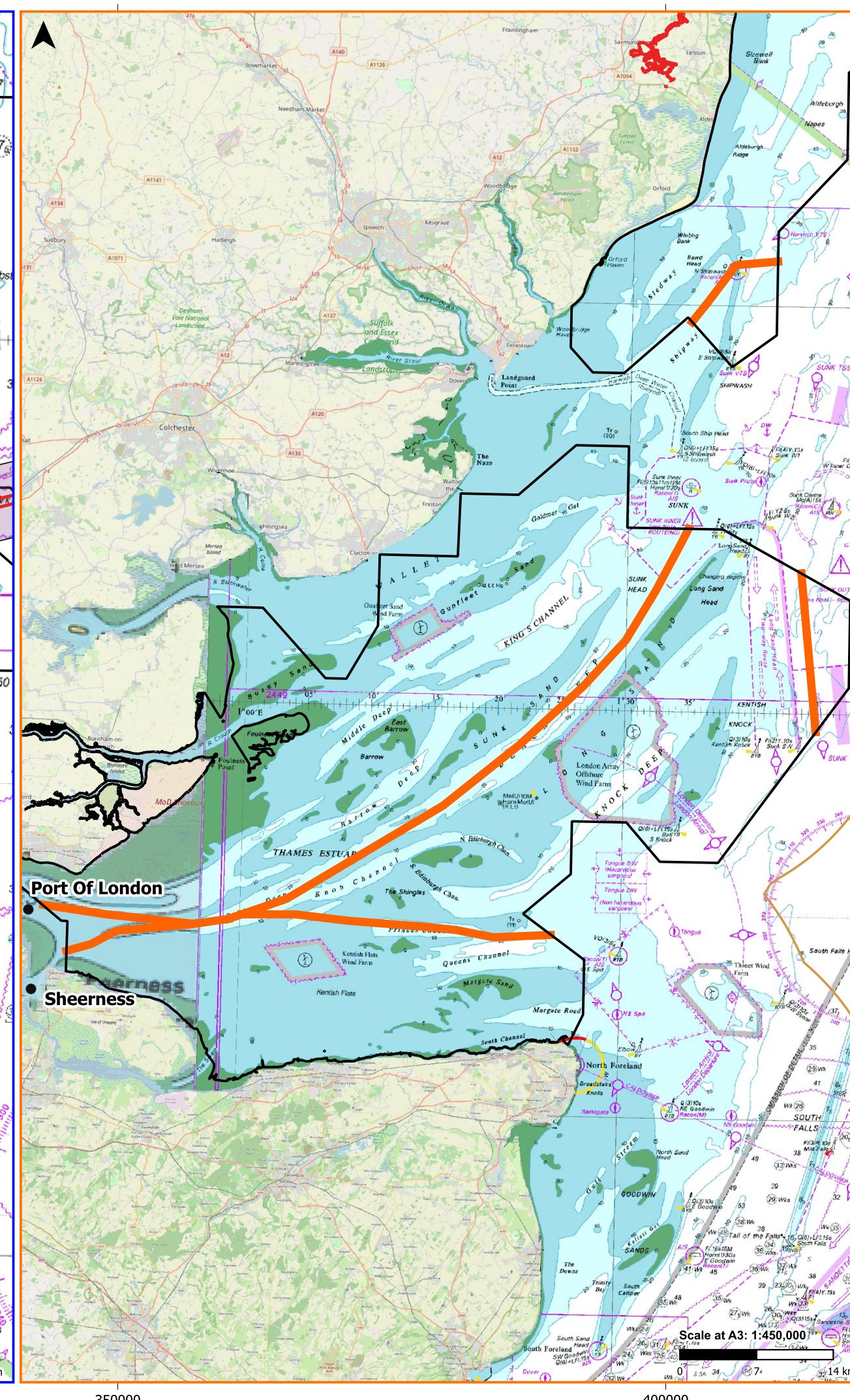
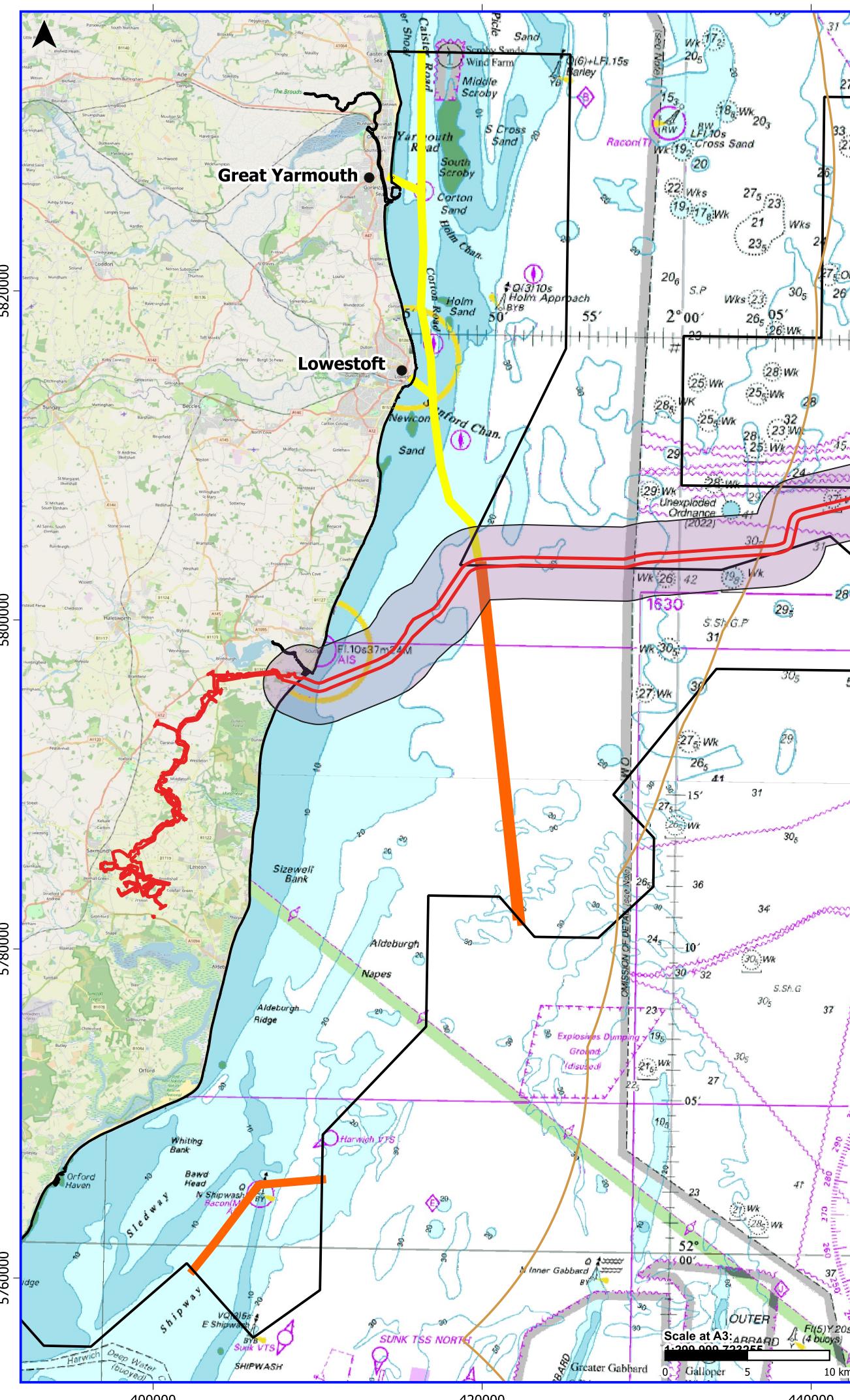
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Role  
Environment  
Suitability  
S2  
Project Number  
C01467  
Rev  
P01  
Drawing Number  
LLK1-CEA-DWG-ENV-00029









- Proposed Scheme Draft Order Limits
- Displacement Zone (2km)
- Outer Thames Estuary SPA
- Port

***Worst Case Scenario Vessel Transit Route Within The Outer Thames Estuary SPA***

- Route from the North
- Route from the South
- 12NM Limit
- Exclusive Economic Zone Limit

<p>Coordinate System ETRS89 / UTM zone 31N Kilometres</p> 					
P01	26/09/2025	AN	JC	DS	AF
Rev	Date	By	Chkd	Appd	Authd

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Project Name

LIONLINK

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Client  
National Grid LionLink Limited  
(NGLL)

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Drawing Title

Figure 21.15 Worst Case Scenario  
Vessel Transit Routes Through Outer  
Thames Estuary SPA

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## Role

## Environment

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C01467	P01

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