

Sea Link

Volume 6: Environmental Statement

Document 6.4.4.5

Part 4 Marine

Chapter 5

Marine Ornithology - Figures

Planning Inspectorate Reference: EN020026

Version: BC

December January 20265

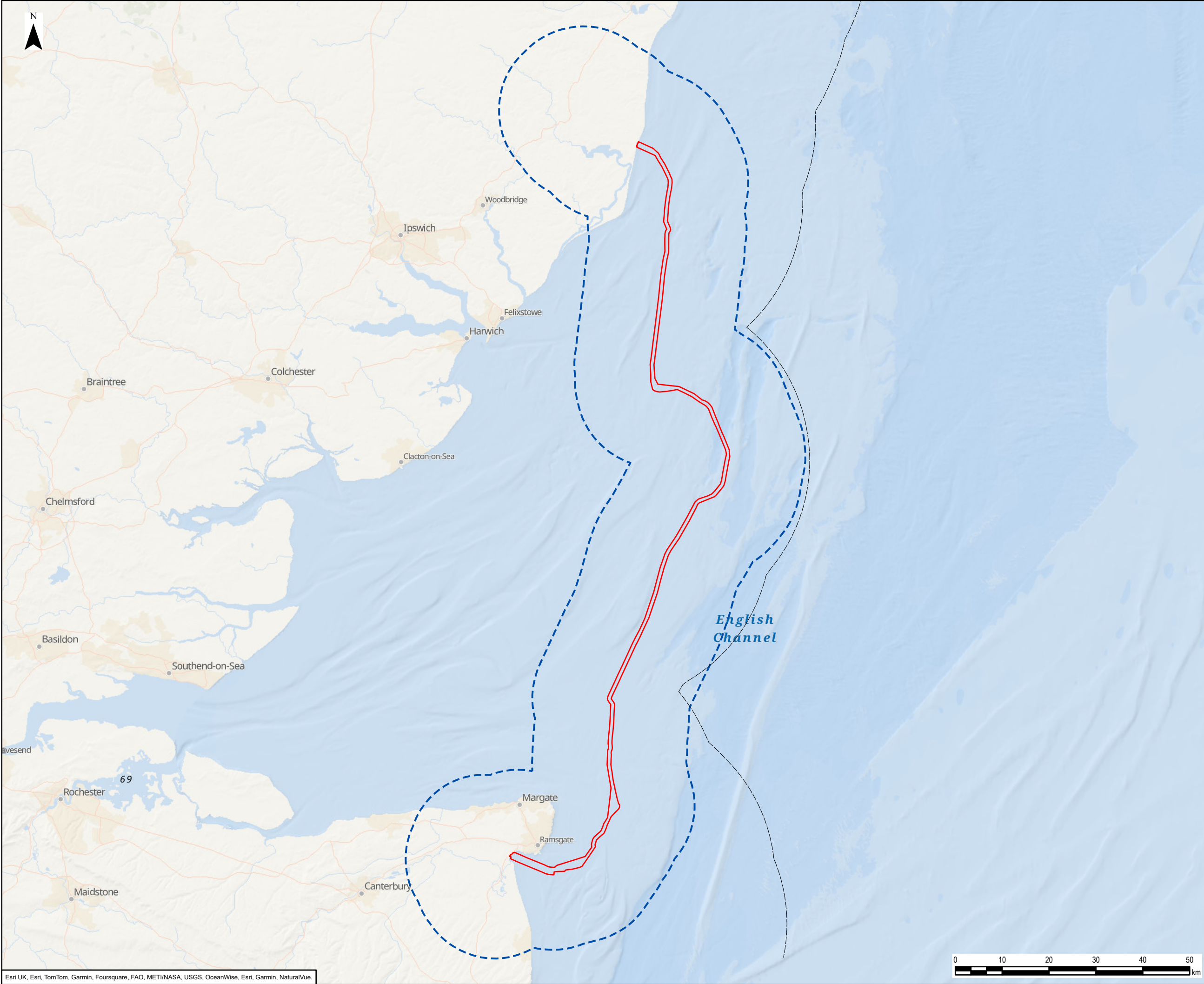
Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009 Regulation 5(2)(a)

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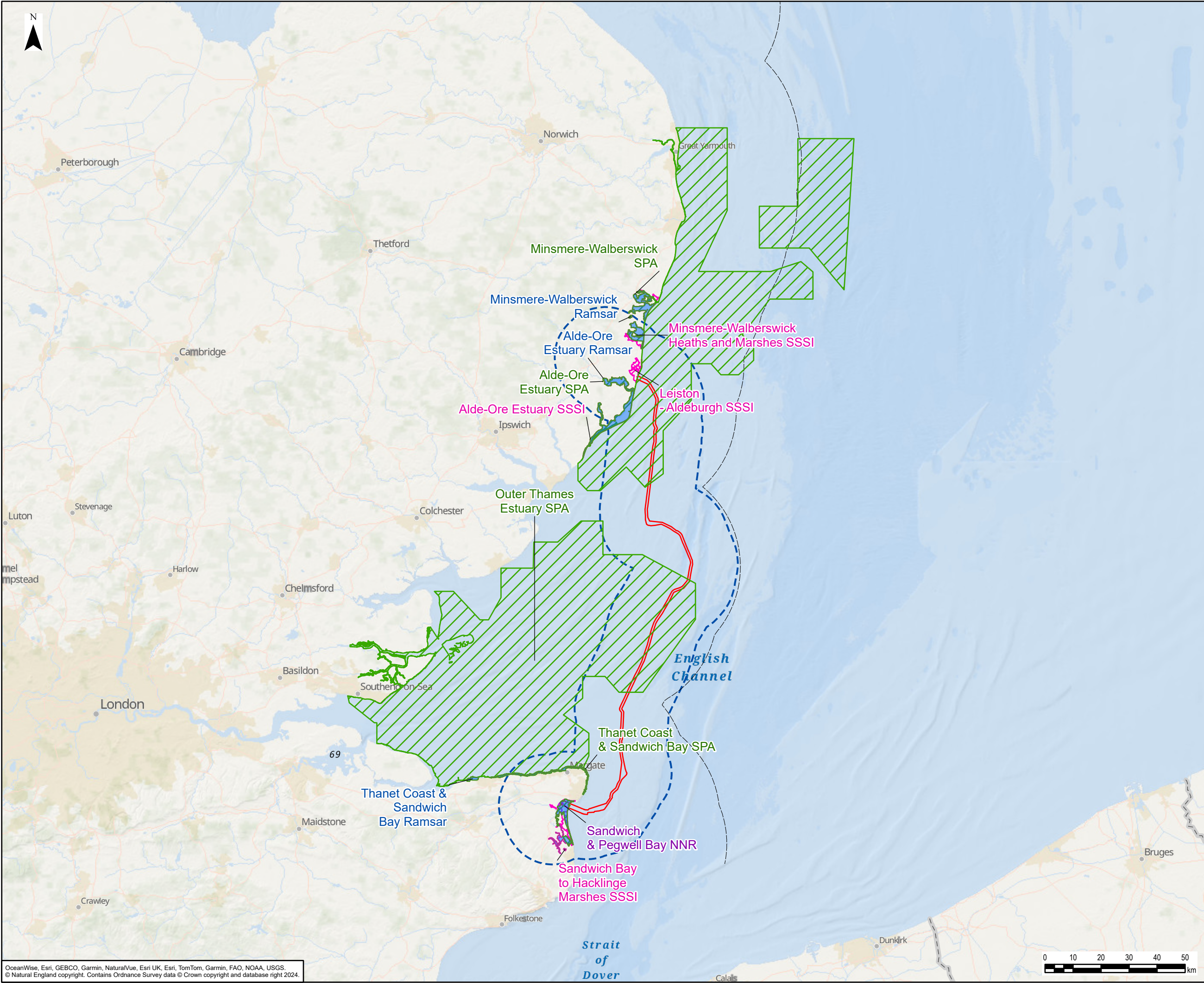
- Application Document 6.4.4.5.1 Ornithology Study Area
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Version History			
Date	Issue	Status	Description / Changes
March 2025	A	Final	For DCO submission
November 2025	B	Final	For Deadline 2
January	C	Final	For Deadline 3



- Legend
- Offshore Scheme Boundary
 - Study Area
 - UK Territorial Sea Limit - 12 nm

0	25/11/2024	ENVIRONMENTAL STATEMENT	EB	DF	JR
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: SEA LINK					
Document Title: ORNITHOLOGY STUDY AREA					
Creator: EB	Date: 25/11/2024	Checker: DF	Date: 25/11/2024	Approver: JR	Date: 25/11/2024
Document Ref: FIGURE 6.4.4.5.1	Scale: 1:750,000	Format: A3	Sheets: 1		Rev: 0



Legend

- Offshore Scheme Boundary
- Study Area
- UK Territorial Sea Limit - 12 nm
- National Nature Reserve (NNR)
- Special Protection Area (SPA)
- Ramsar Site
- Site of Special Scientific Interest (SSSI)

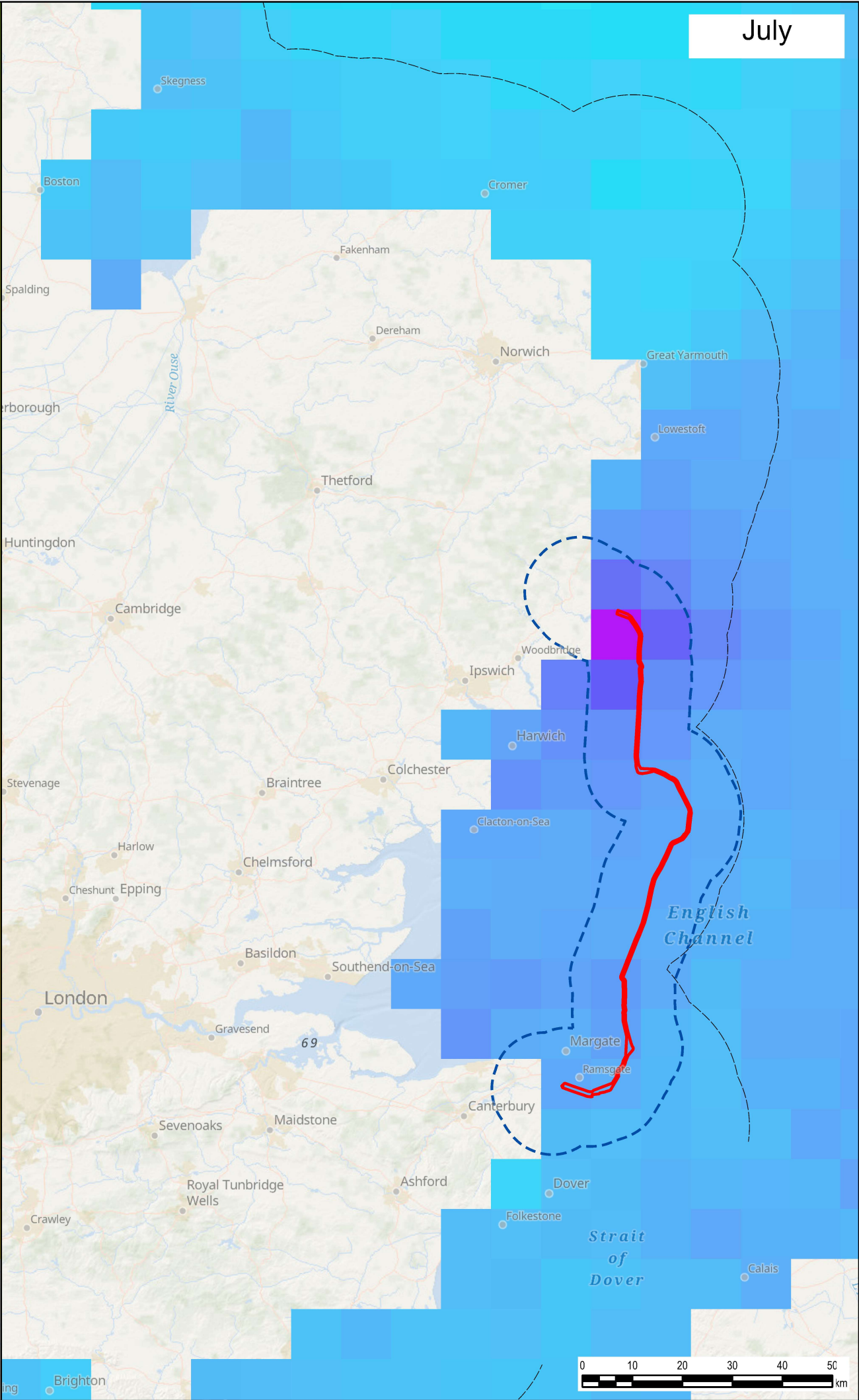
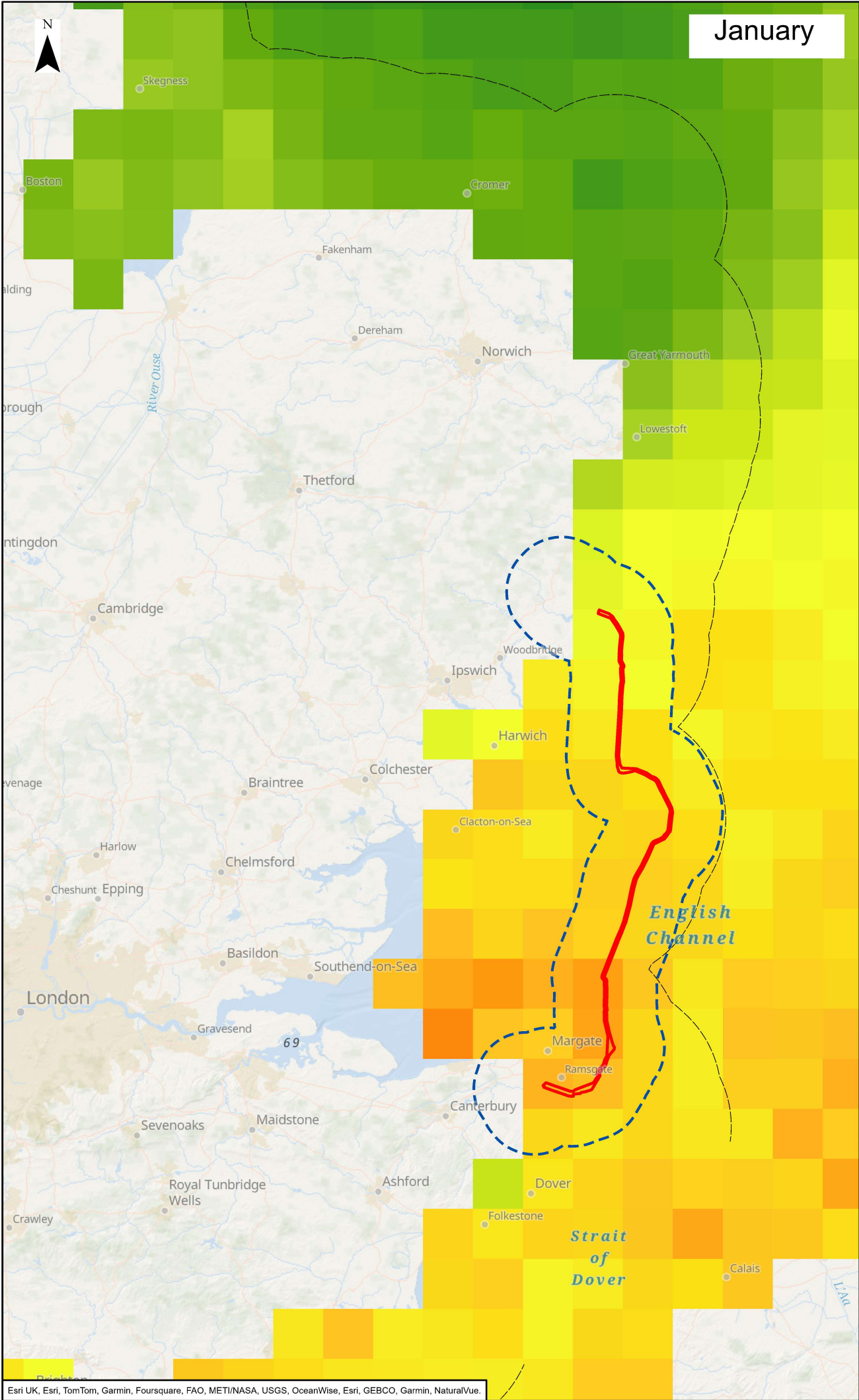
0	25/11/2024	ENVIRONMENTAL STATEMENT	EB	DF	JR
Rev	Date	Description	GIS	Chk	App

nationalgrid

Scheme: SEA LINK

Document Title: RELEVANT DESIGNATED SITES FOR THE PROTECTION OF ORNITHOLOGY

Creator: EB	Date: 25/11/2024	Checker: DF	Date: 25/11/2024	Approver: JR	Date: 25/11/2024
Document Ref: FIGURE 6.4.4.5.2	Scale: 1:1,250,000	Format: A3	Sheets: 1	Rev: 0	



Offshore Scheme Boundary

Study Area

UK Territorial Sea Limit - 12 nm

Distribution of Lesser Black Backed Gull - January (Waggit et al 2019)

Individuals per km²

0.089

0.011

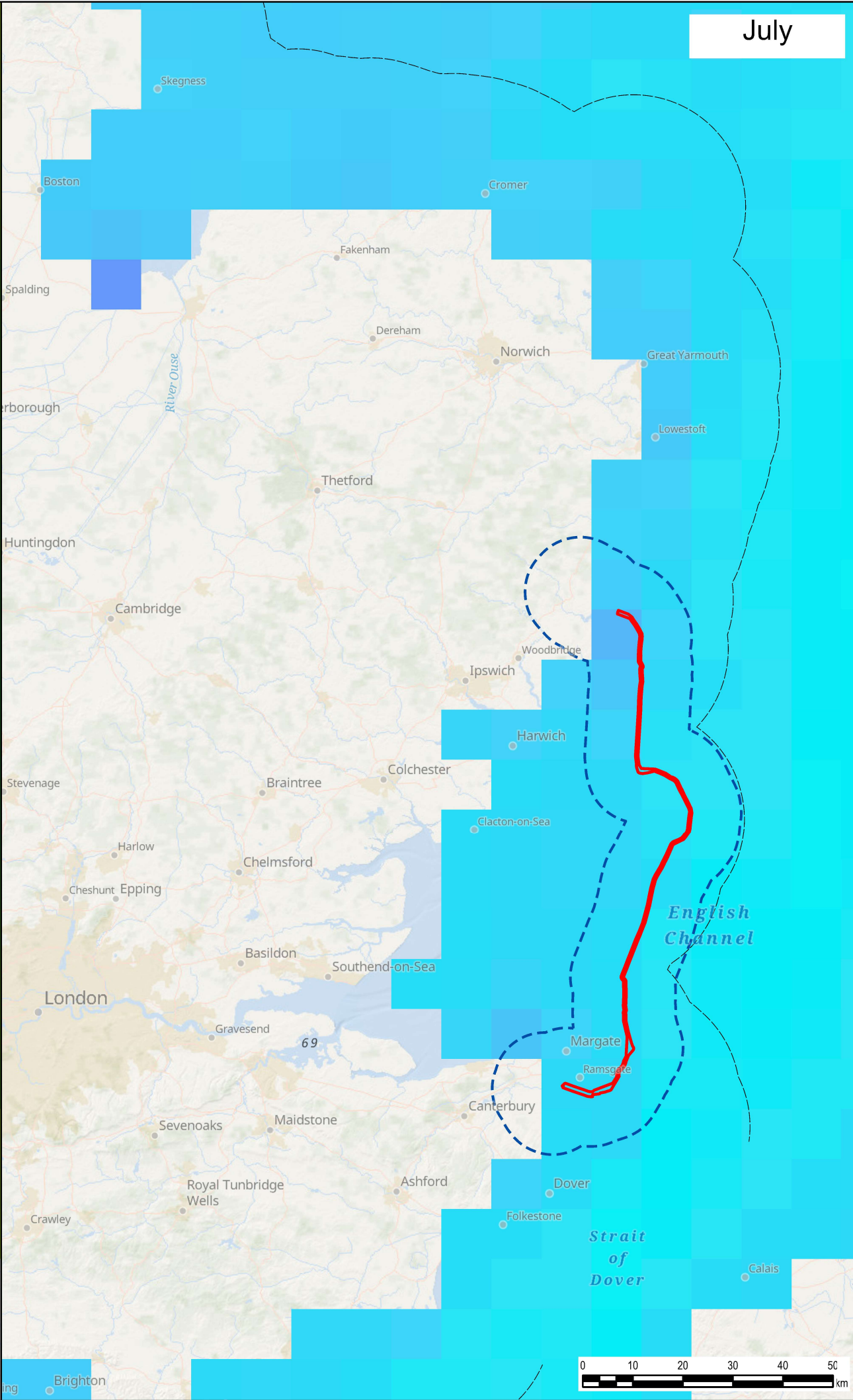
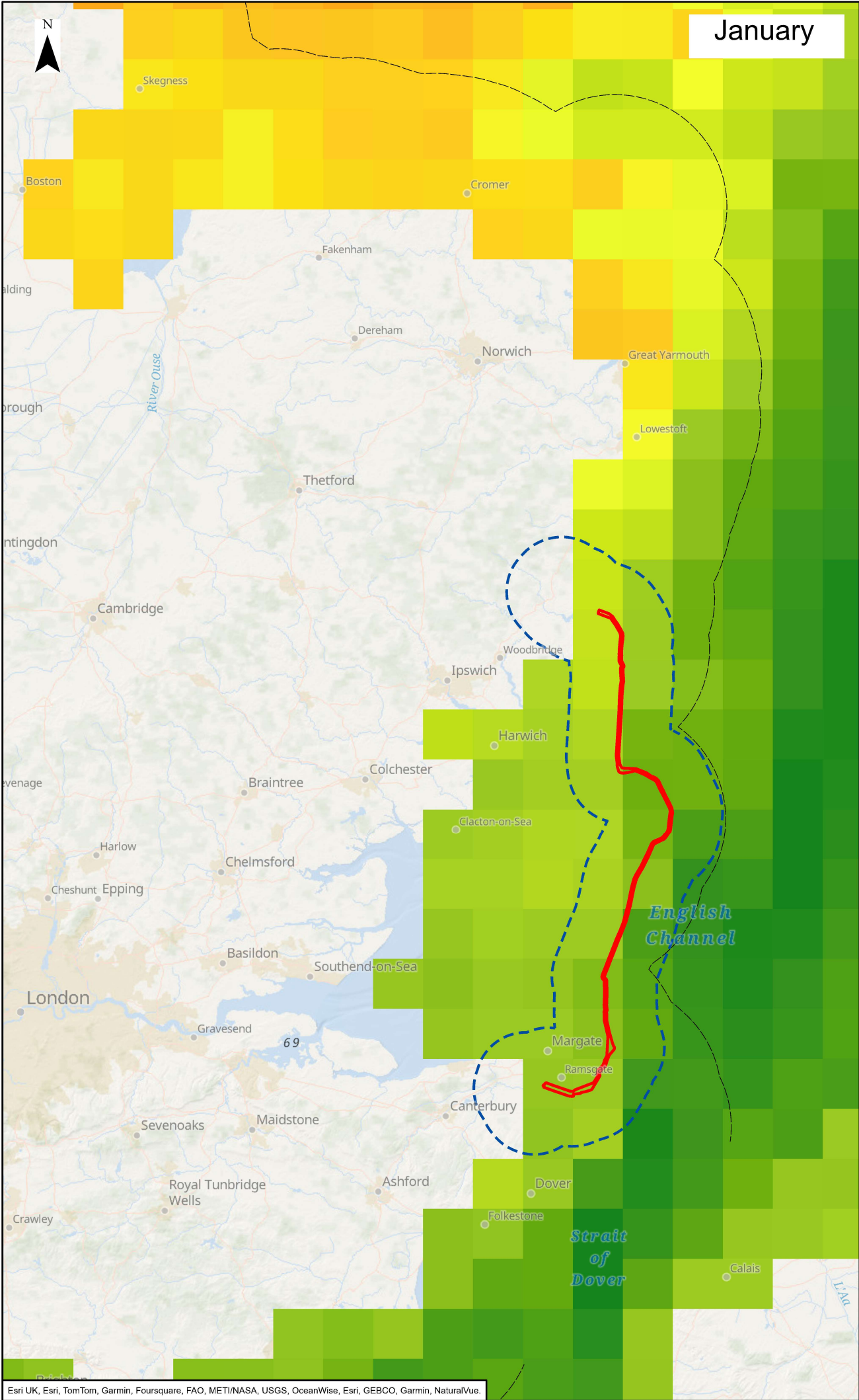
Distribution of Lesser Black Backed Gull - July (Waggit et al 2019)

Individuals per km²

1.339

0.106

0	25/11/2024	ENVIRONMENTAL STATEMENT	EB	DF	JR
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: SEA LINK					
Document Title: LESSER BLACK-BACKED GULL SPATIAL VARIATION IN PREDICTED DENSITIES (INDIVIDUALS/KM ²) IN JANUARY AND JULY					
Creator: EB	Date: 25/11/2024	Checker: DF	Date: 25/11/2024	Approver: JR	Date: 25/11/2024
Document Ref: FIGURE 6.4.4.5.3	Scale: 1:1,000,000	Format: A3	Sheets: 1	Rev: 0	

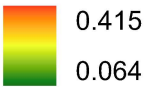


Legend

- Offshore Scheme Boundary
- Study Area
- UK Territorial Sea Limit - 12 nm

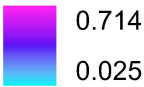
Distribution of Herring Gull - January (Waggit et al 2019)

Individuals per km²

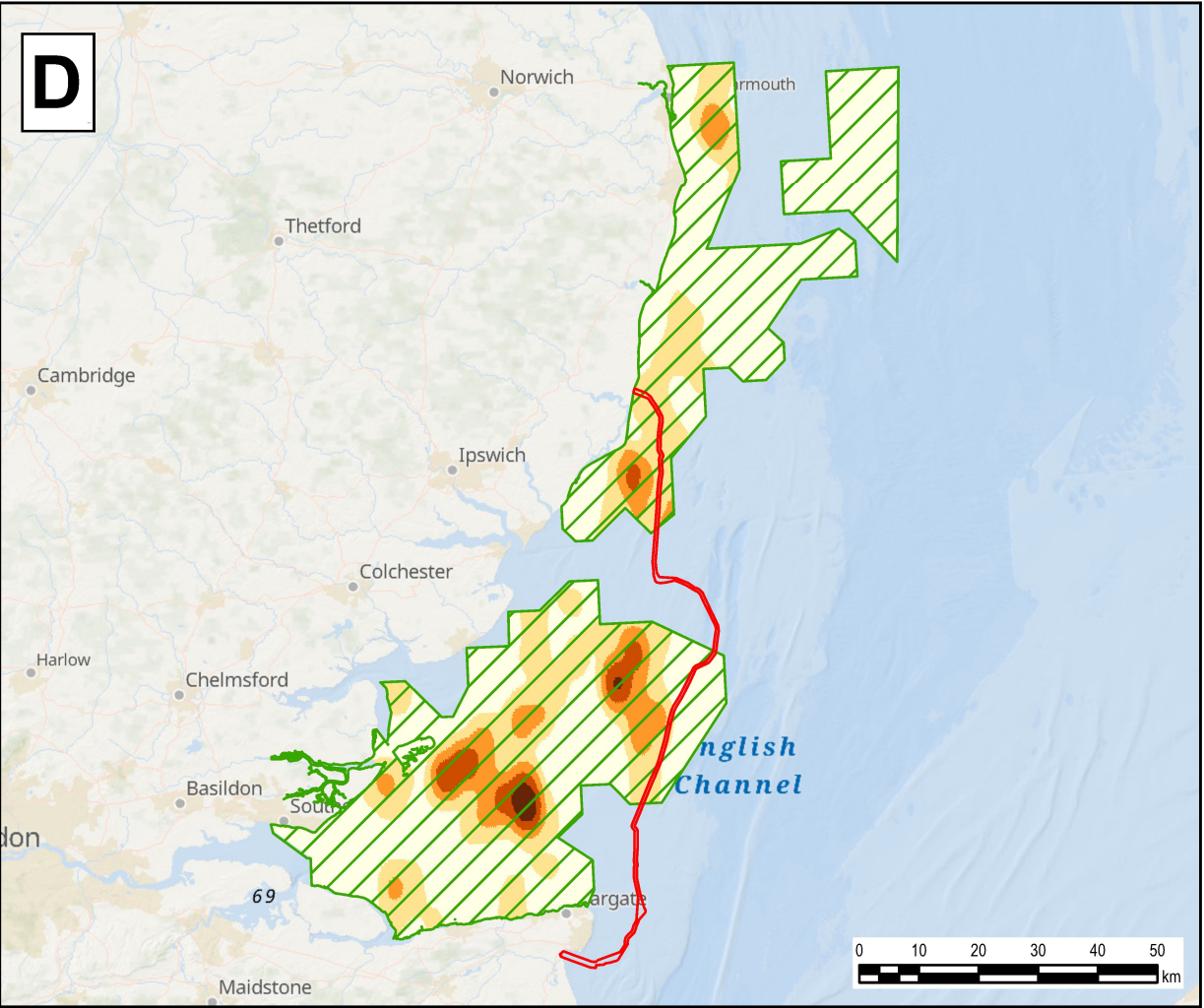
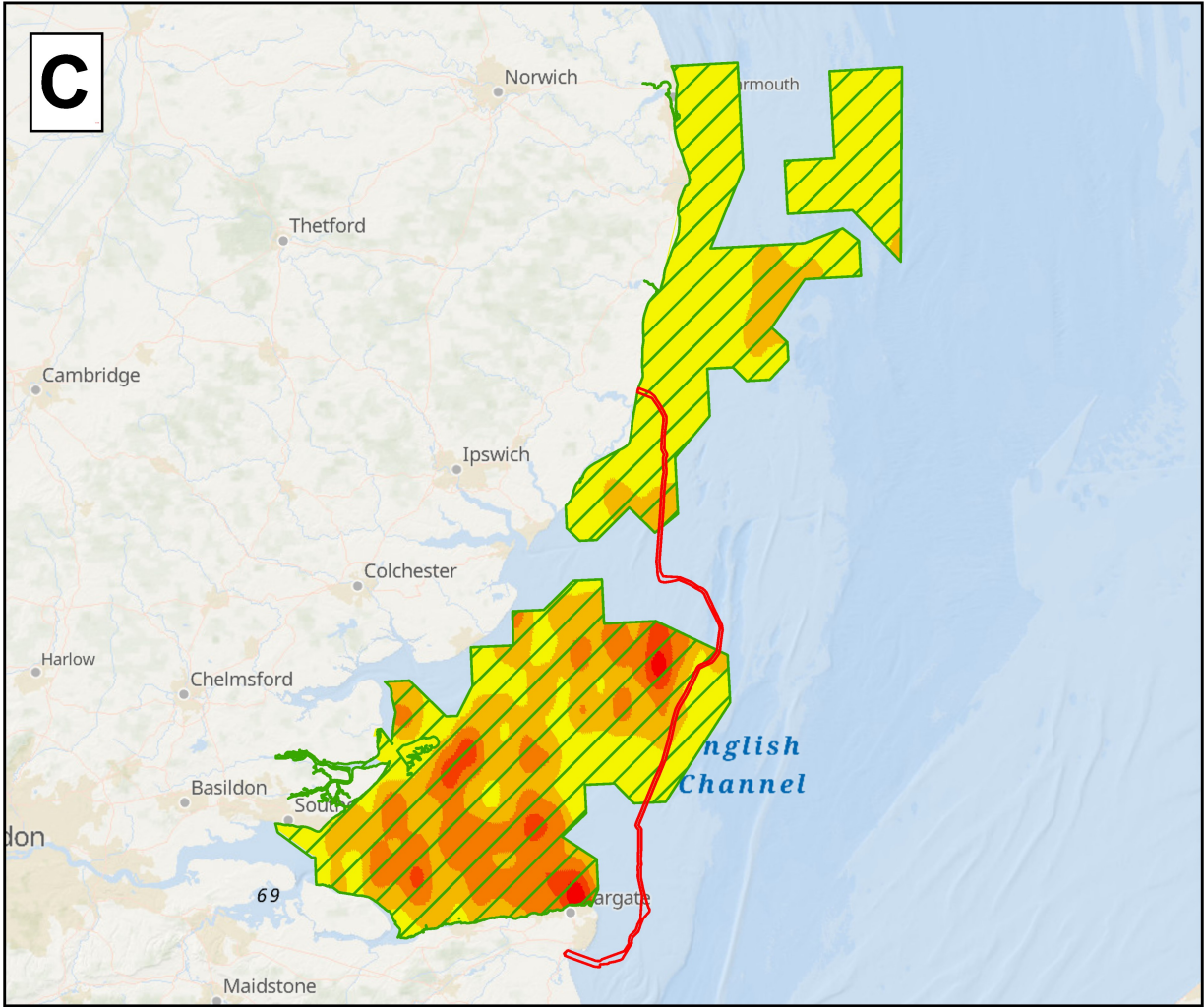
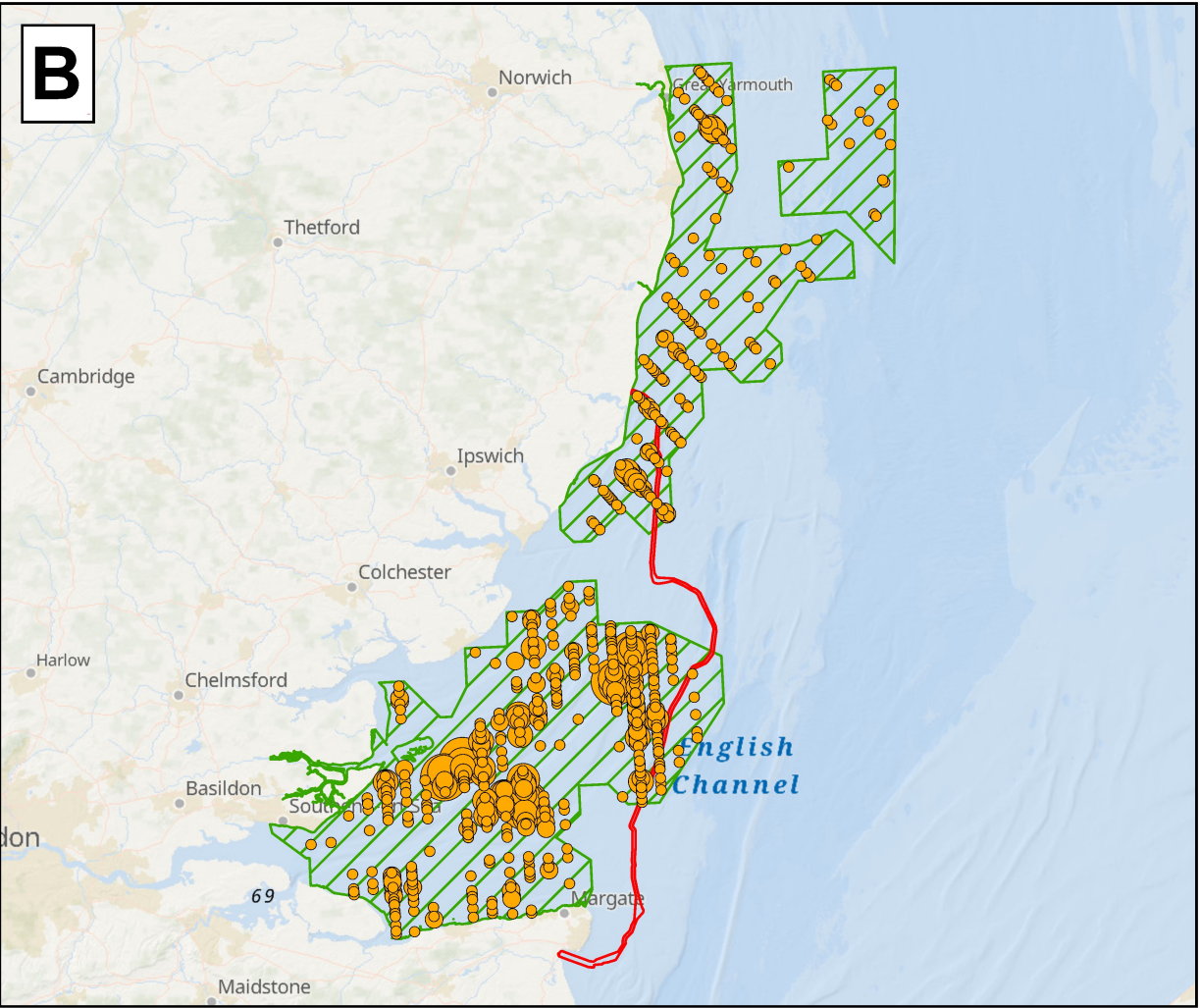
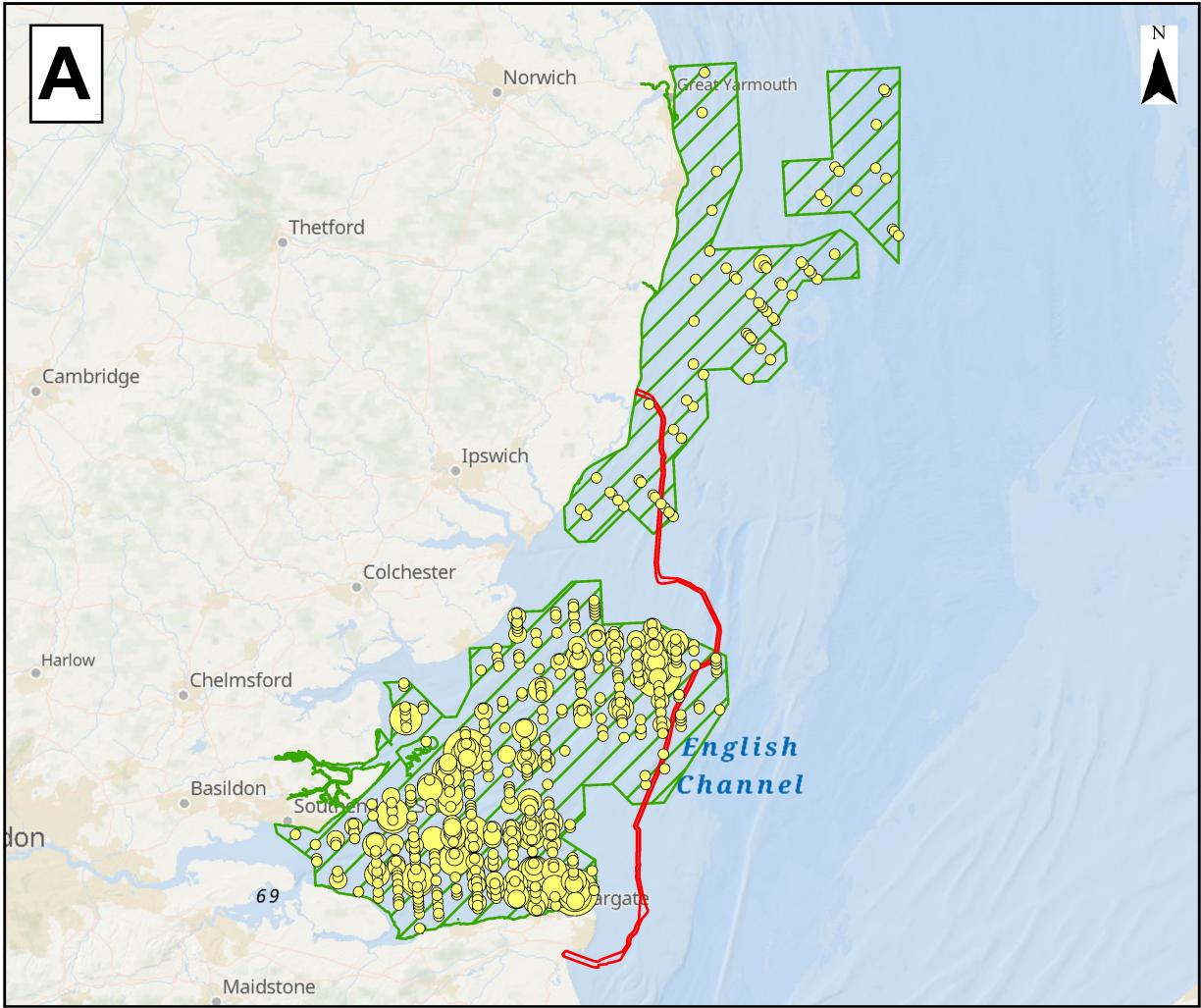


Distribution of Herring Gull - July (Waggit et al 2019)

Individuals per km²



0	25/11/2024	ENVIRONMENTAL STATEMENT	EB	DF	JR
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: SEA LINK					
Document Title: HERRING GULL SPATIAL VARIATION IN PREDICTED DENSITIES (INDIVIDUALS/KM ²) IN JANUARY AND JULY (SOURCE: WAGGIT ET AL., 2020)					
Creator: EB	Date: 25/11/2024	Checker: DF	Date: 25/11/2024	Approver: JR	Date: 25/11/2024
Document Ref: FIGURE 6.4.4.5.4	Scale: 1:1,000,000	Format: A3	Sheets: 1	Rev: 0	



Legend

Offshore Scheme Boundary

Red Throated Diver 1 - Raw Data

- 1 - 2
- 3 - 5
- 6 - 9
- 10 - 14
- 15+

Red Throated Diver 2 - Raw Data

- 1 - 4
- 5 - 12
- 13 - 25
- 26 - 50
- 51+

Red Throated Diver 1 - Density

- 0.7 - 1.4
- 1.5 - 4.2
- 4.3 - 9.8
- 9.9 - 18
- 19+

Red Throated Diver 2 - Density

- 0 - 3.3
- 3.3 - 11.97
- 11.97 - 29.04
- 29.04 - 57.47
- 57.47+

Outer Thames Estuary Special Protection Area (SPA)

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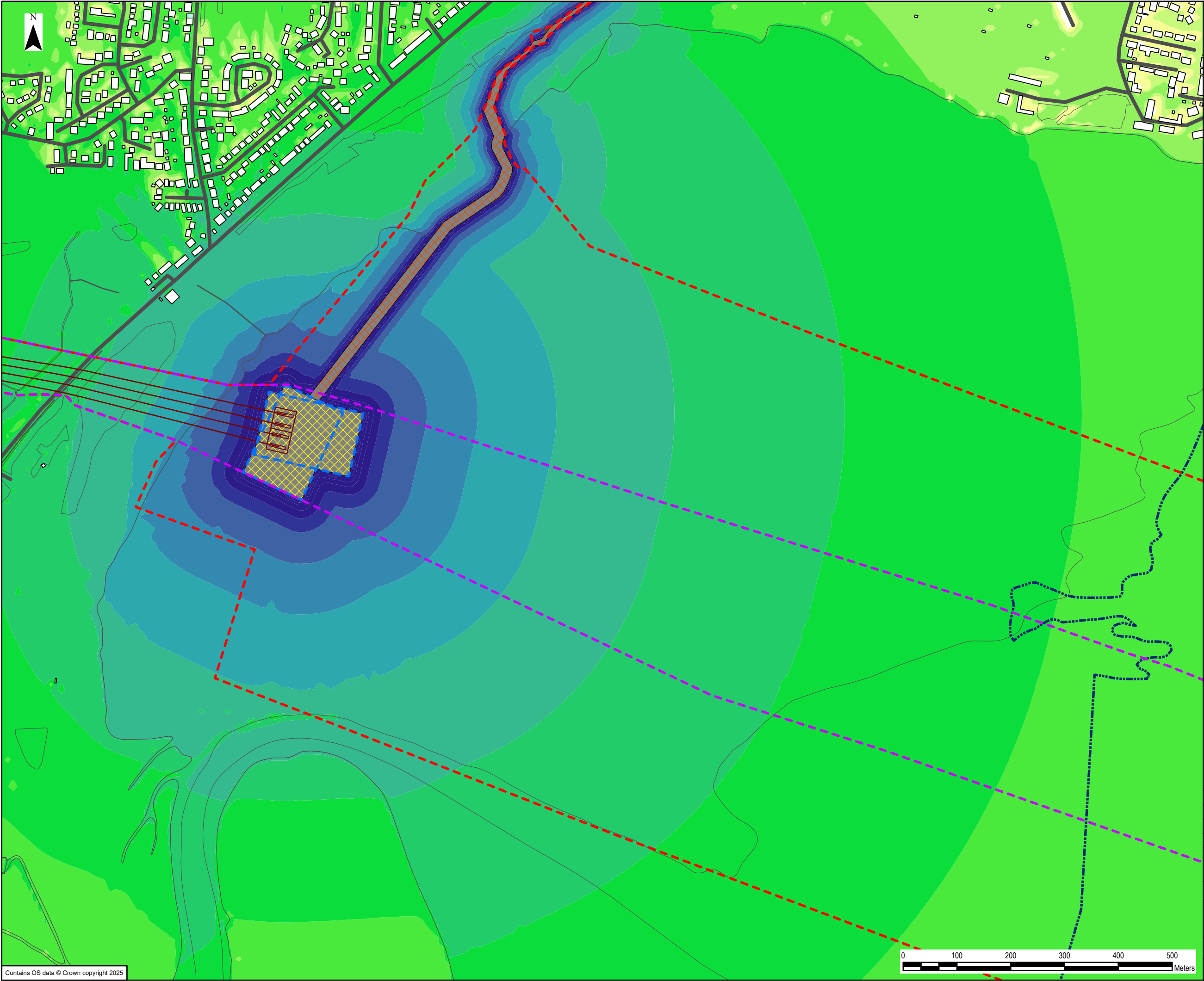
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Scheme: SEA LINK

Document Title:
RED-THROATED DIVER COUNTS (INDIVIDUALS) AND DENSITIES (NUMBER/KM²) IN THE OUTER THAMES ESTUARY SPA
RECORDED BY NATURAL ENGLAND IN FEBRUARY 2018

Creator: EB	Date: 25/11/2024	Checker: DF	Date: 25/11/2024	Approver: AB	Date: 25/11/2024
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Document Ref: FIGURE 6.4.4.5.5	Scale: 1:1,000,000	Format: A3	Sheets: 1	Rev: 0
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Legend

- Order limits
- Limits of deviation
- MLWS
- Site plan
- HDD exit
- Illustrative access route corridor
- HDD working area

Noise level (dB)

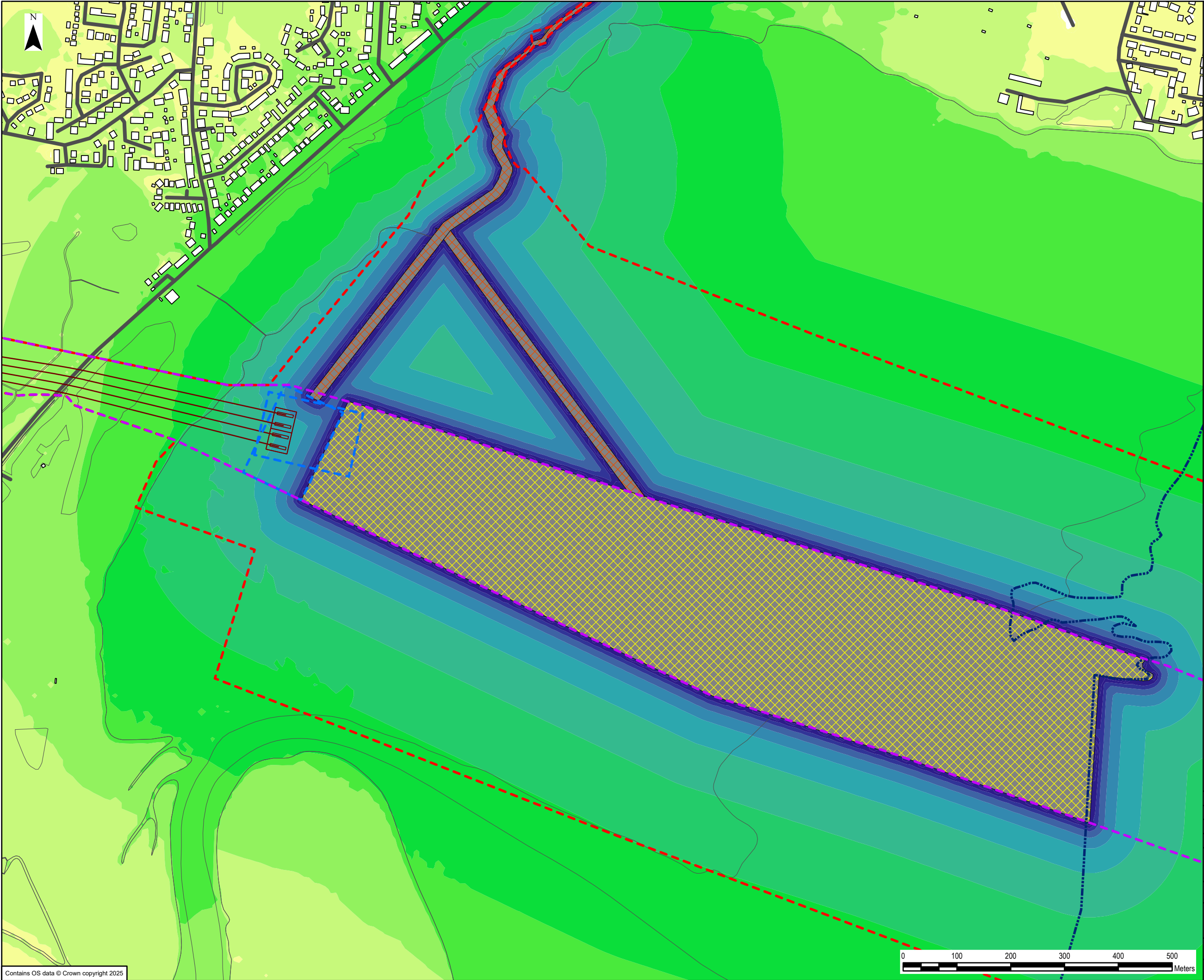
- < 20
- 30 to <35
- 35 to <40
- 40 to <45
- 45 to <50
- 50 to <55
- 55 to <60
- 60 to <65
- 65 to <70
- 70 to <75
- 75 to <80
- >=80

Illustrative scenario assuming piling rig (source level $L_{A_{fmax}}$ at 10 m 91 dB) operating anywhere in HDD exit area and construction vehicles (source level $L_{A_{fmax}}$ at 10 m 79 dB on access route

Vehicle access routes are INDICATIVE ONLY for the purposes of noise modelling. The final access routes and widths will be determined pre-construction and will be informed by a pre-construction saltmarsh survey

For the purpose of completeness the modelling assumes that the vehicles will gain access to the mudflats via the front edge of the hoverport (as included in the Order Limit change)

1	06/01/2026	UPDATED ORDER LIMITS	AP	NG	SE
0	04/12/2025	ORIGINAL ISSUE	AP	NG	SE
Rev	Date	Description	GIS	Chk	App
nationalgrid					
Scheme: SEA LINK					
Document Title: Predicted maximum ($L_{A_{fmax}}$) noise levels - phases 1 and 2					
Creator: AP	Date: 06/01/2026	Checker: NG	Date: 06/01/2026	Approver: SE	Date: 06/01/2026
Document Ref: FIGURE 6.4.4.5.7	Scale: 1:6,500	Format: A3	Sheets: 1	Rev: 1	



Legend

- Order limits
- Limits of deviation
- MLWS
- Site plan
- HDD exit
- Illustrative access route corridor
- Cable pull in working corridor

Noise level (dB)

- < 20
- 30 to <35
- 35 to <40
- 40 to <45
- 45 to <50
- 50 to <55
- 55 to <60
- 60 to <65
- 65 to <70
- 70 to <75
- 75 to <80
- >=80

Illustrative scenario assuming construction vehicles / excavators (source level $L_{A_{fmax}}$ at 10 m 79 dB) operating anywhere in cable pull in area and on access routes

Vehicle access routes are INDICATIVE ONLY for the purposes of noise modelling. The final access routes and widths will be determined pre-construction and will be informed by a pre-construction saltmarsh survey

For the purpose of completeness the modelling assumes that the vehicles will gain access to the mudflats via the front edge of the hoverport (as included in the Order Limit change)

Rev	Date	Description	GIS	Chk	App
1	06/01/2026	UPDATED ORDER LIMITS	AP	NG	SE
0	04/12/2025	ORIGINAL ISSUE	AP	NG	SE

nationalgrid

Scheme: SEA LINK					
Document Title: Predicted maximum ($L_{A_{fmax}}$) noise levels - phases 3 and 4					
Creator: AP	Date: 06/01/2026	Checker: NG	Date: 06/01/2026	Approver: SE	Date: 06/01/2026
Document Ref: FIGURE 6.4.4.5.8	Scale: 1:6,500	Format: A3	Sheets: 1	Rev: 1	

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