

Sea Link

Volume 6: Environmental Statement

Document 6.4.4.5

Part 4 Marine

Chapter 5

Marine Ornithology - Figures

Planning Inspectorate Reference: EN020026

Version: DC

~~January~~ February 2026

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

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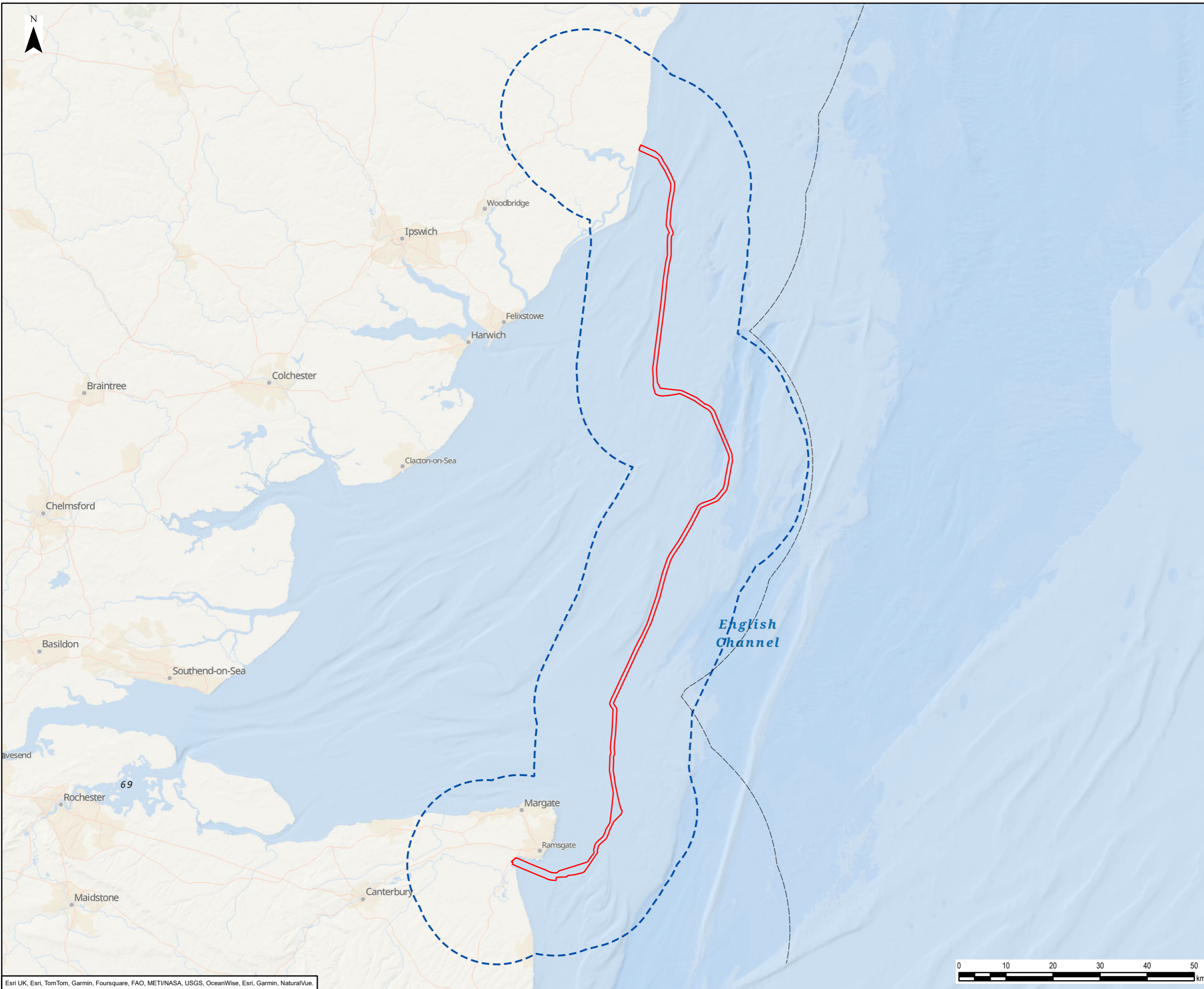
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Application Document 6.4.4.5.8 Predicted Maximum (LAFmax) Noise Levels – Phases 3 and 4

Version History

Date	Issue	Status	Description / Changes
March 2025	A	Final	For DCO submission
November 2025	B	Final	For Deadline 2
January 2026	C	Final	For Deadline 3
<u>February 2026</u>	<u>D</u>	<u>Final</u>	<u>For Deadline 4</u>



- 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

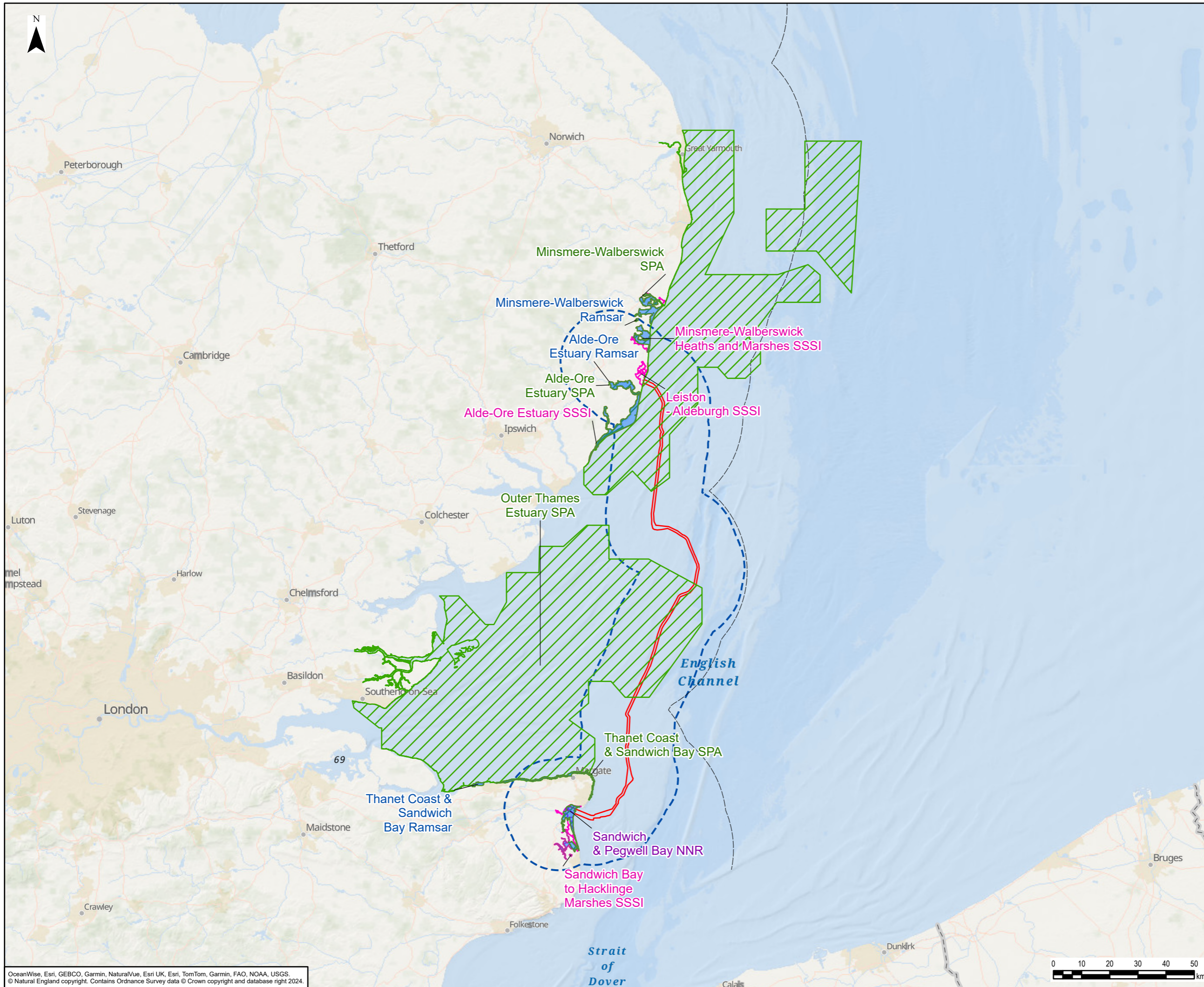
nationalgrid

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Document Title: ORNITHOLOGY STUDY AREA

Creator:	Date:	Checker:	Date:	Approver:	Date:
EB	25/11/2024	DF	25/11/2024	JR	25/11/2024

Document Ref:	Scale:	Format:	Sheets:	Rev:
FIGURE 6.4.4.5.1	1:750,000	A3	1	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)

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Document Path: L:\Legacy\UKMCR1FP002-V1\IE\Proposal\3512\SEAL GIS\02_Maps\Environmental Statement\Ornithology\Sea_Link_ES_Fig_6-4-4-5-2_OrnithologyDesignatedSites_20241125_EB.aprx

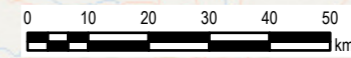
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Rev	Date	Description	GIS	Chk	App

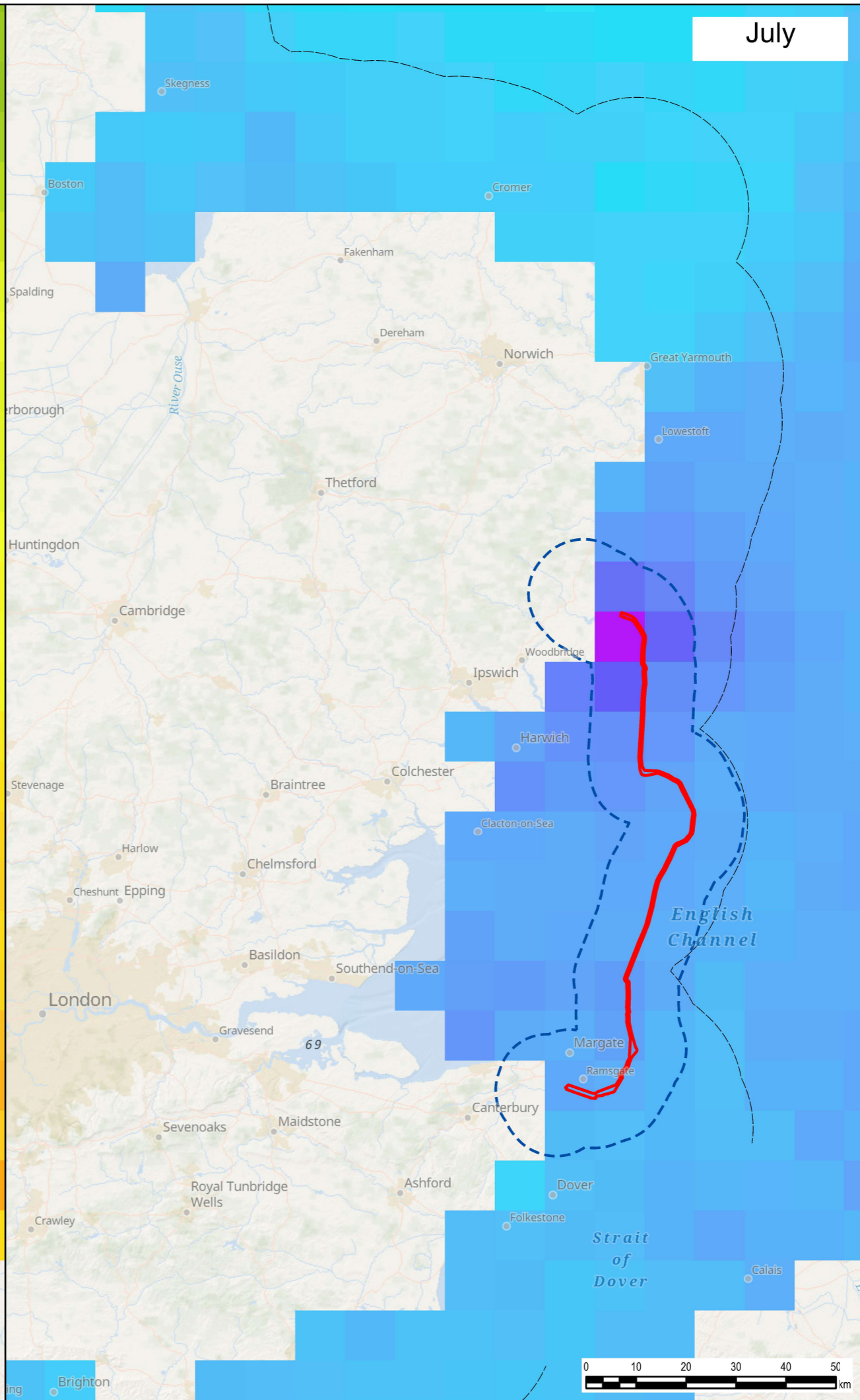
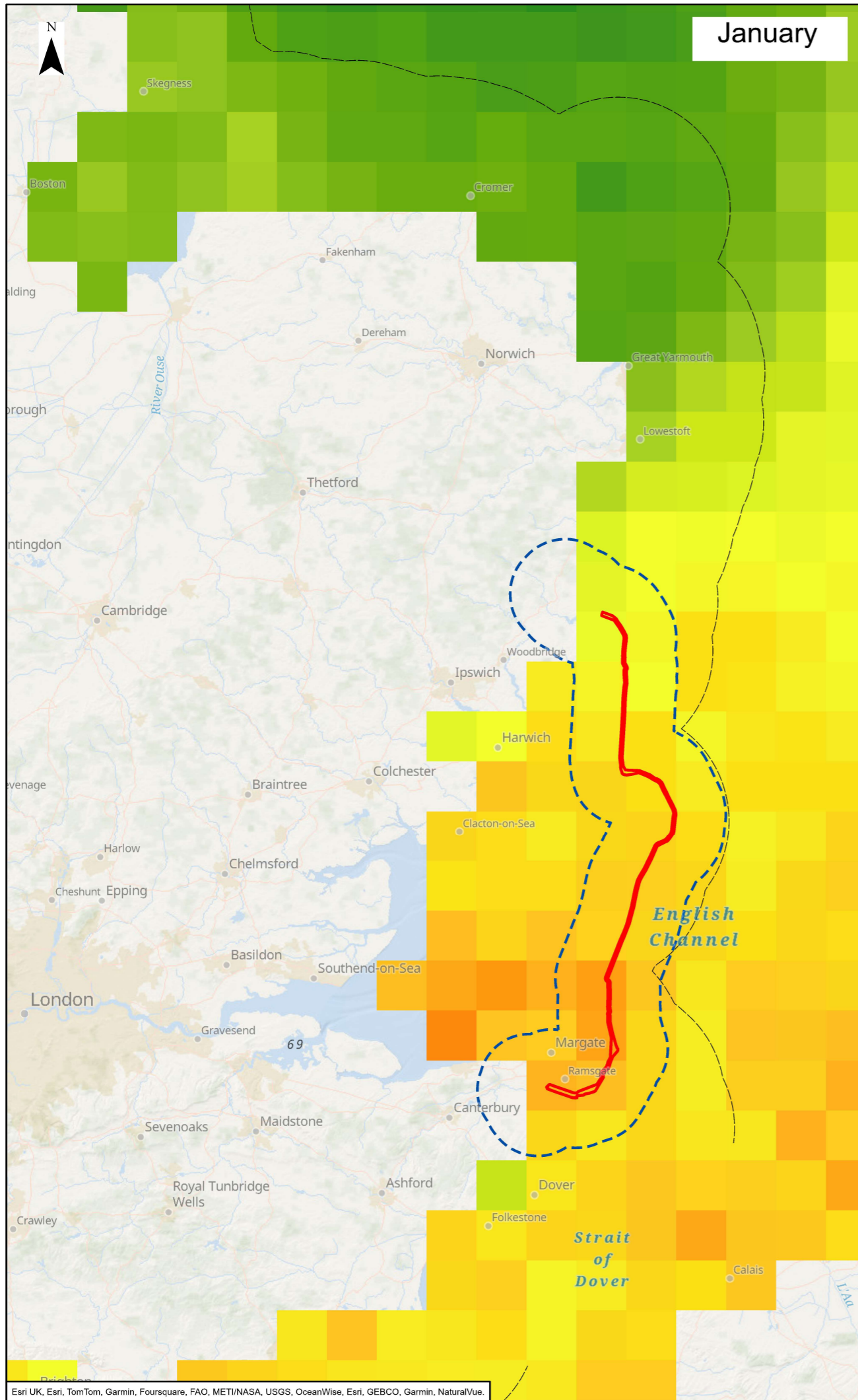


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Document Title: RELEVANT DESIGNATED SITES FOR THE PROTECTION OF ORNITHOLOGY

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	





Legend

- 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

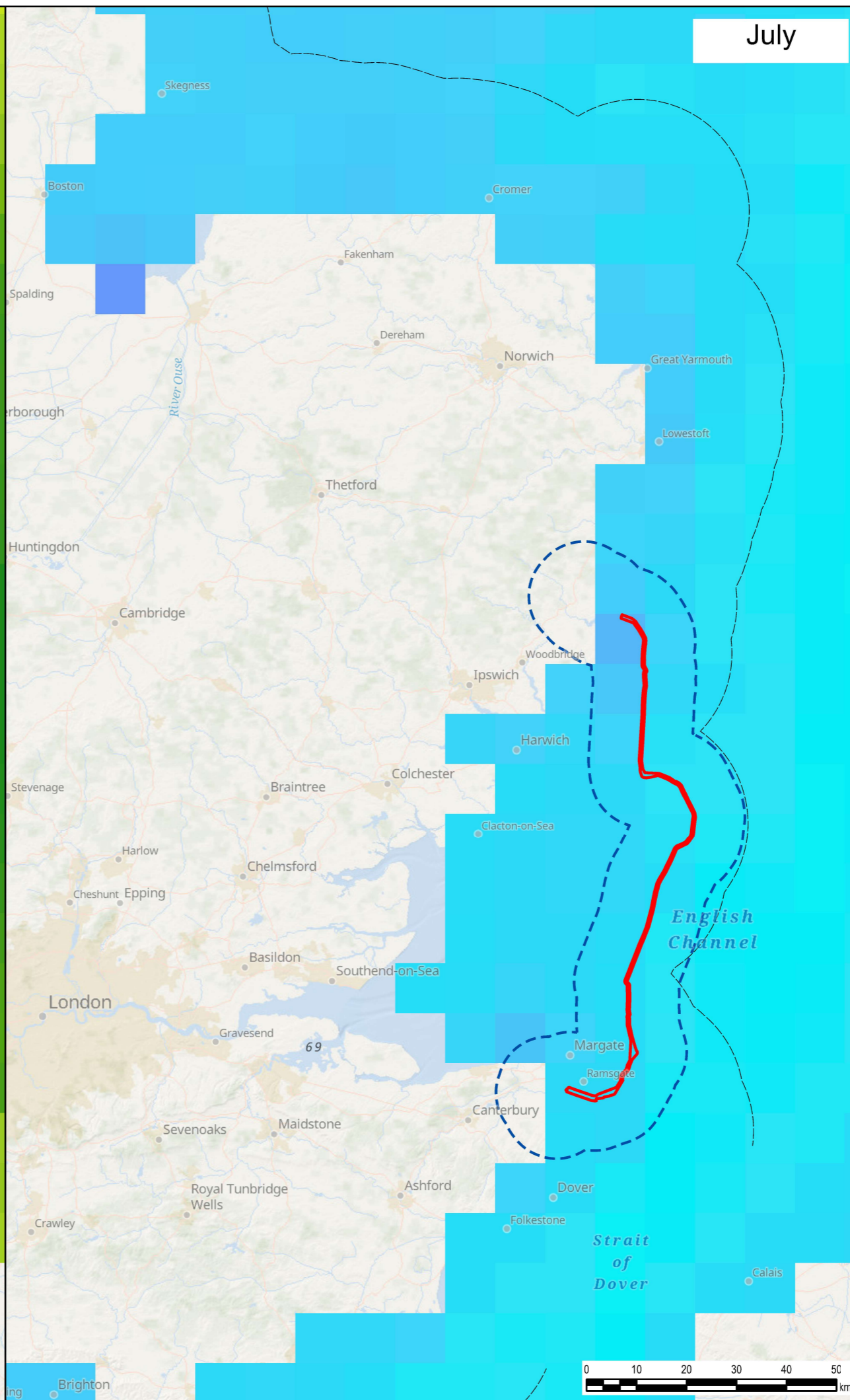
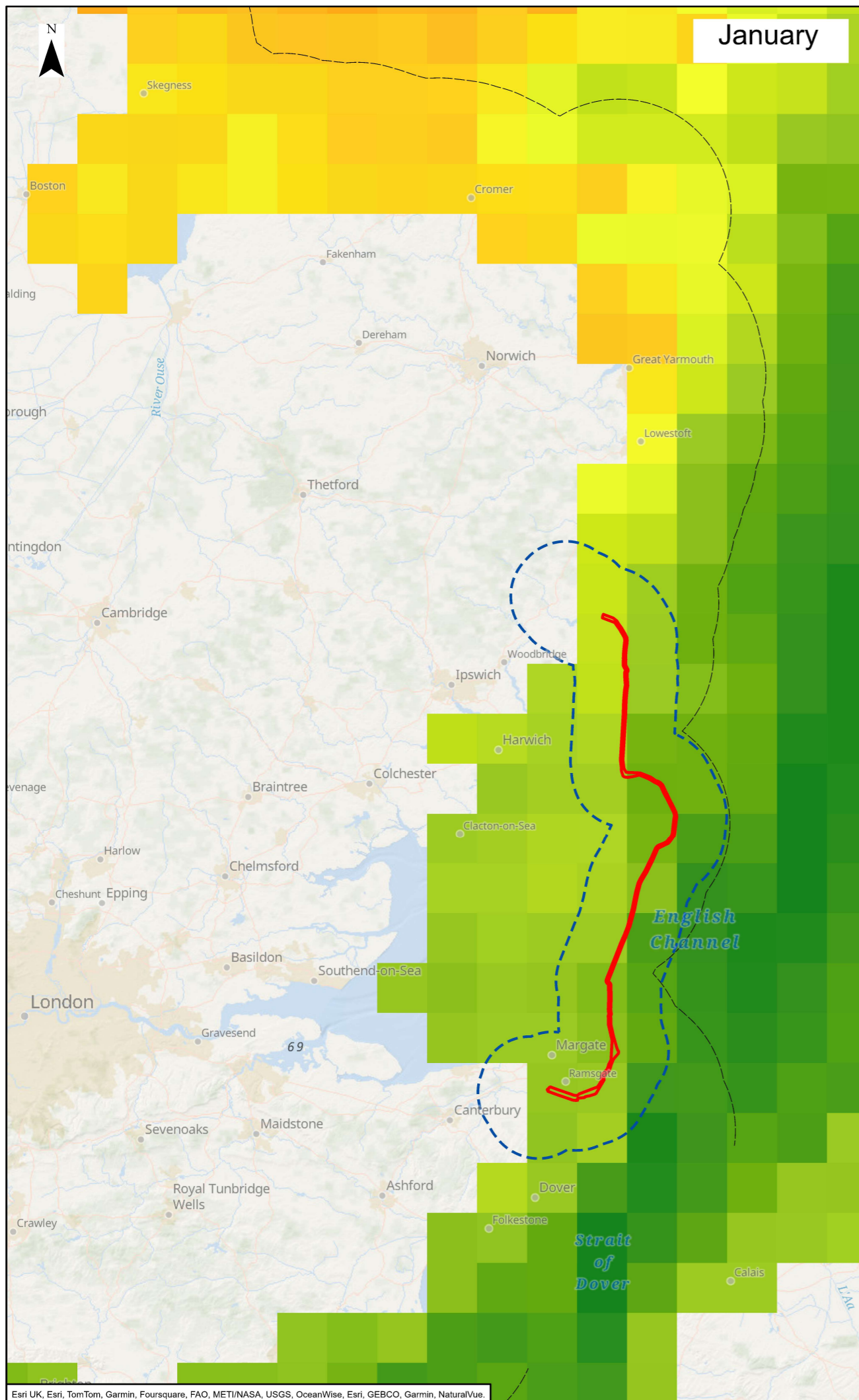
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Document Title: LESSER BLACK-BACKED GULL SPATIAL VARIATION IN PREDICTED DENSITIES (INDIVIDUALS/KM²) IN JANUARY AND JULY

Creator: EB	Date: 25/11/2024	Checker: DF	Date: 25/11/2024	Approver: JR	Date: 25/11/2024
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Document Ref: FIGURE 6.4.4.5.3	Scale: 1:1,000,000	Format: A3	Sheets: 1	Rev: 0
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Legend

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

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

Individuals per km²

0.415

0.064

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

Individuals per km²

0.714

0.025

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

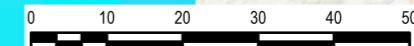
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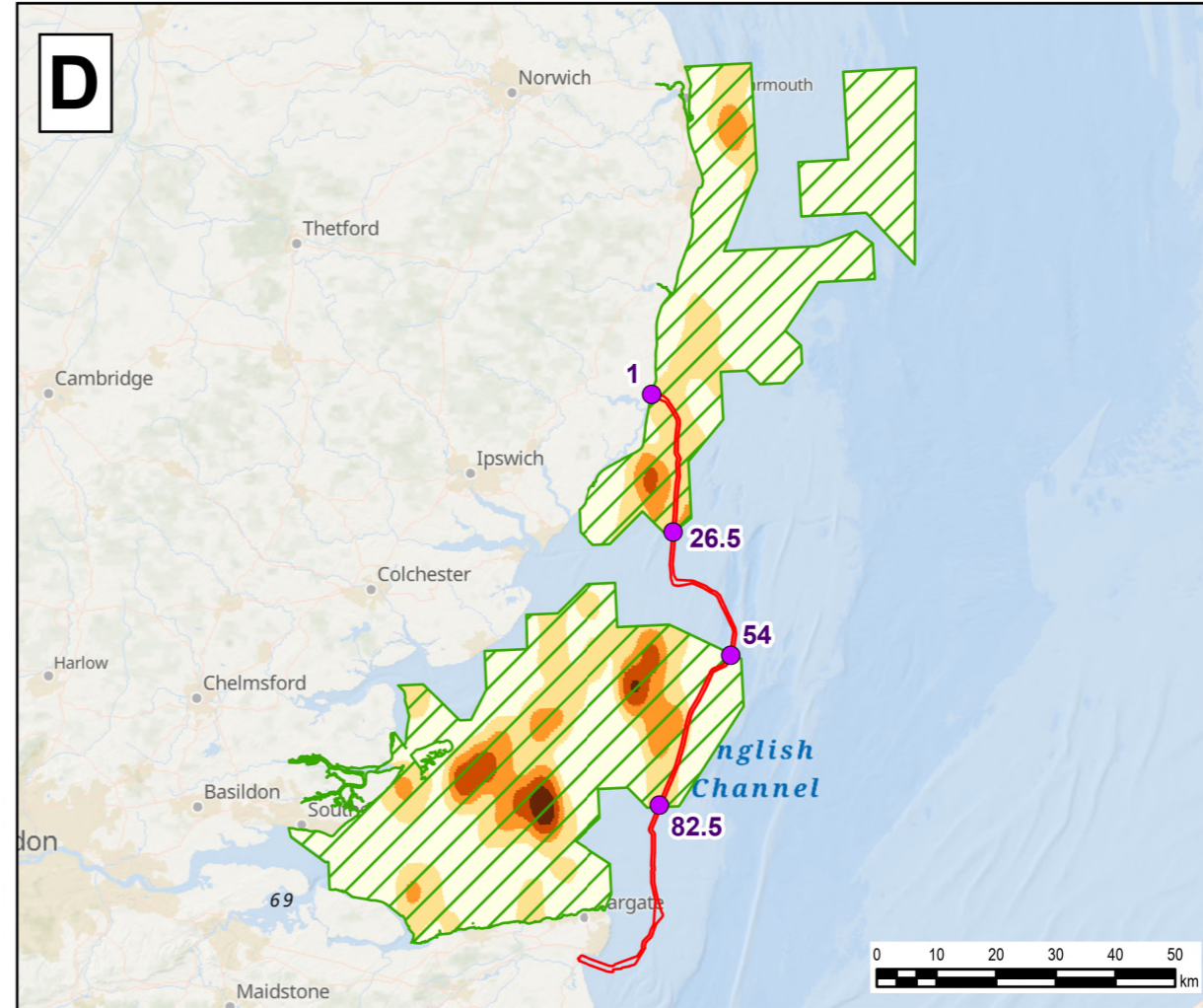
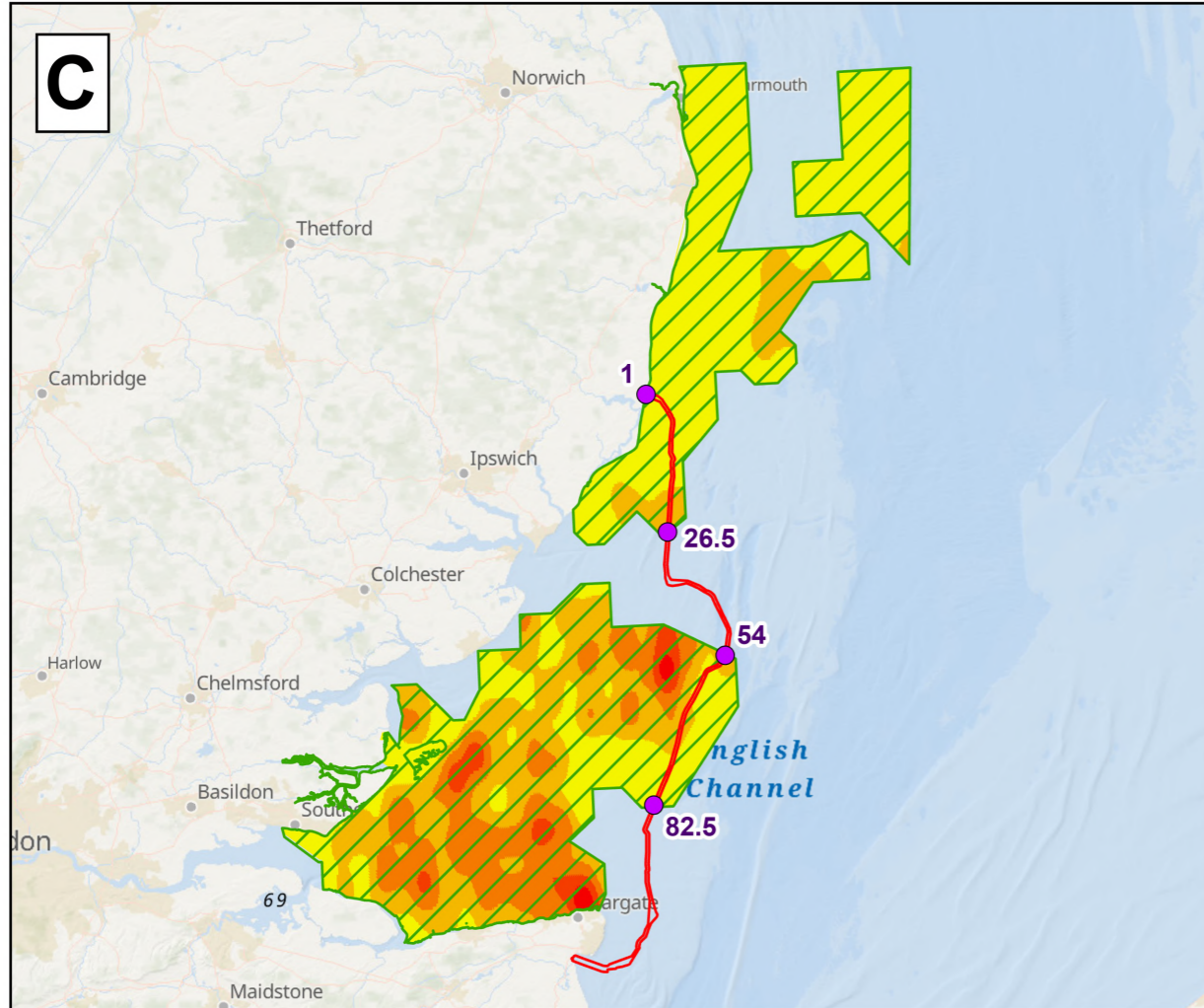
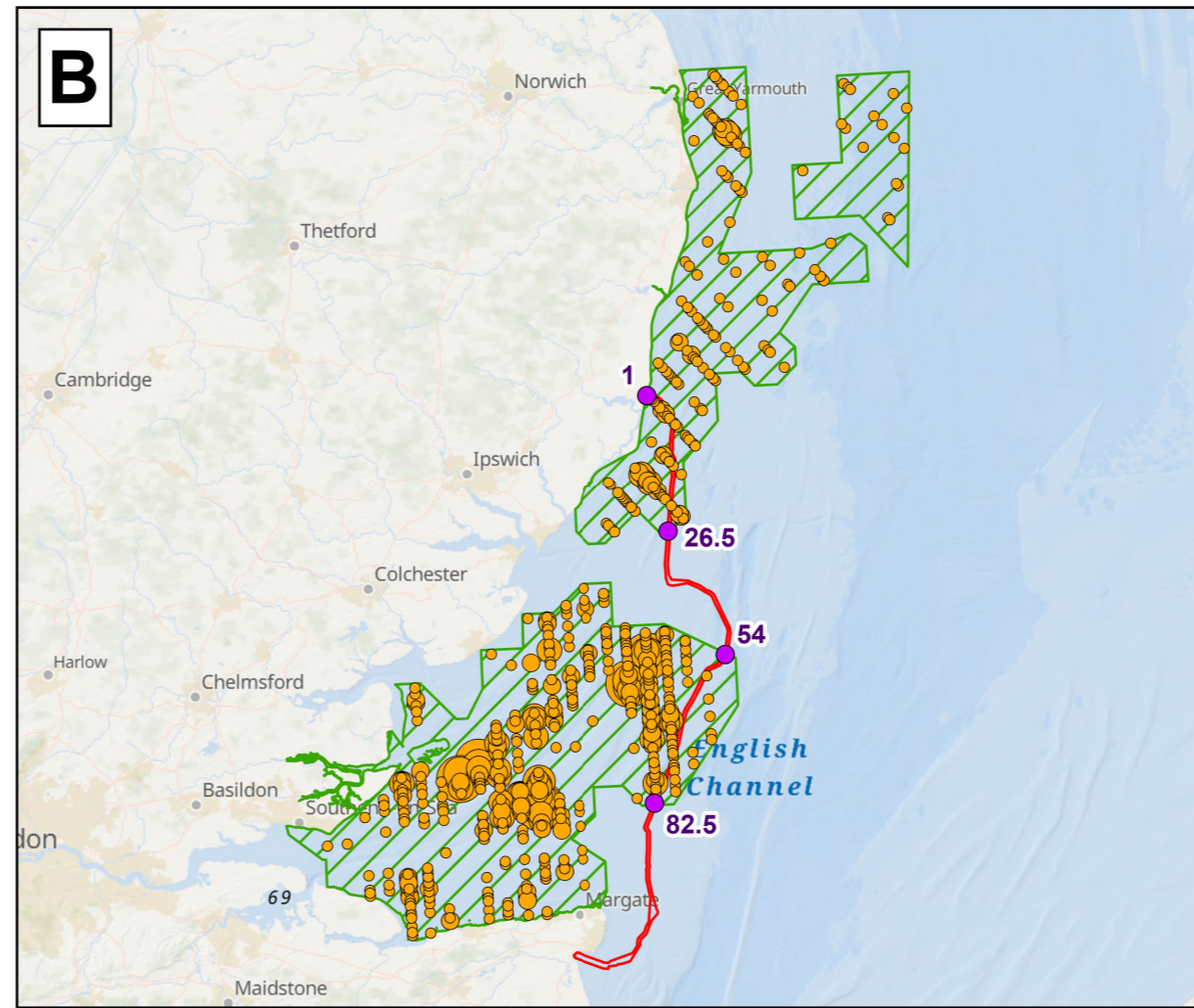
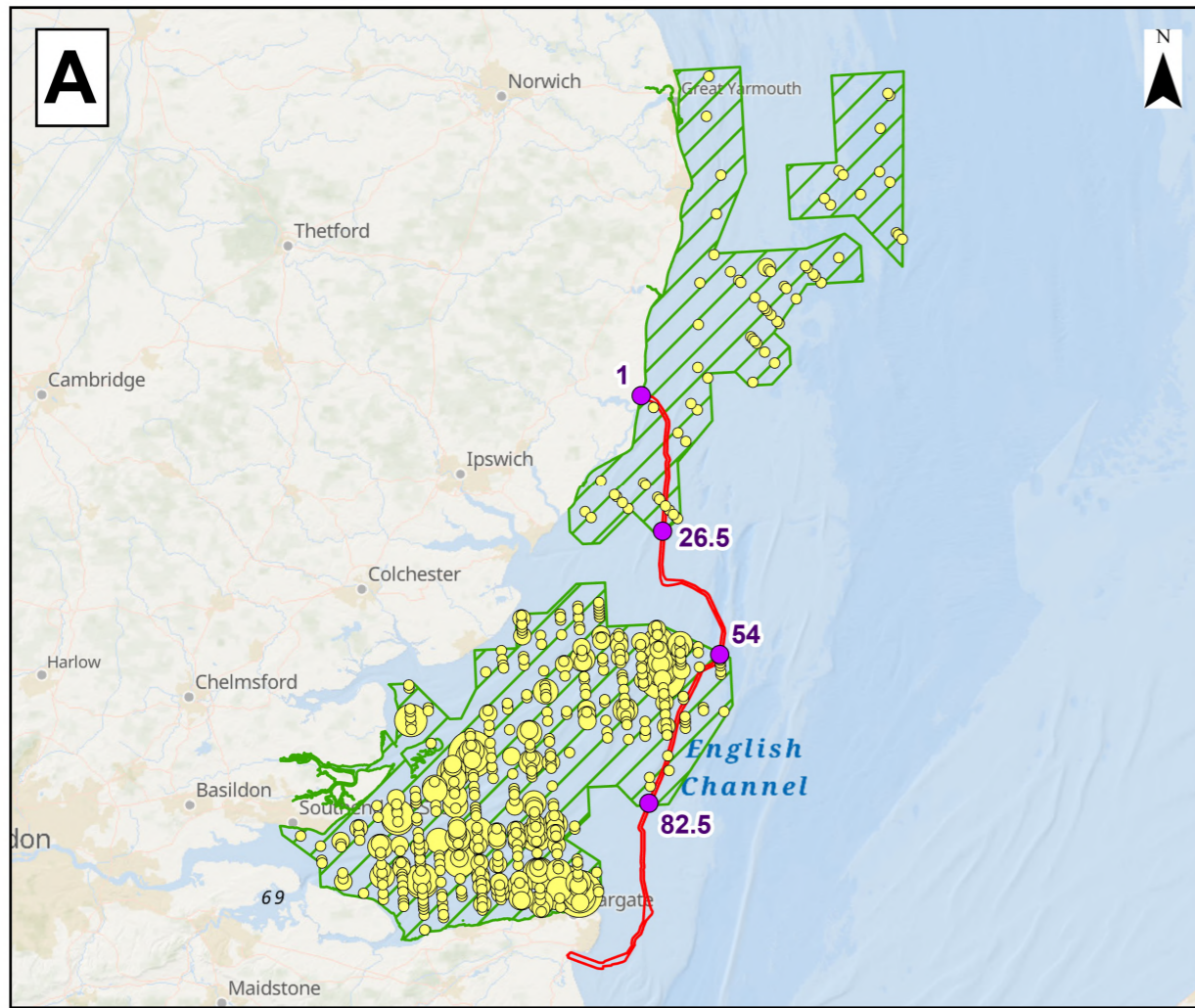
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Document Title:
HERRING GULL SPATIAL VARIATION IN PREDICTED DENSITIES (INDIVIDUALS/KM²) IN JANUARY AND JULY (SOURCE: WAGGIT ET AL., 2020)

Creator: EB	Date: 25/11/2024	Checker: DF	Date: 25/11/2024	Approver: JR	Date: 25/11/2024
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Legend

Offshore Scheme Boundary

Kilometre Point

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)

Sources: Esri, TomTom, Garmin, GEBCO, National Geographic, NOAA, and the GIS User Community, OceanWise, Esri, GEBCO, Garmin, NaturalVue.
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0	09/02/2026	ENVIRONMENTAL STATEMENT	EB	DF	SE
Rev	Date	Description	GIS	Chk	App

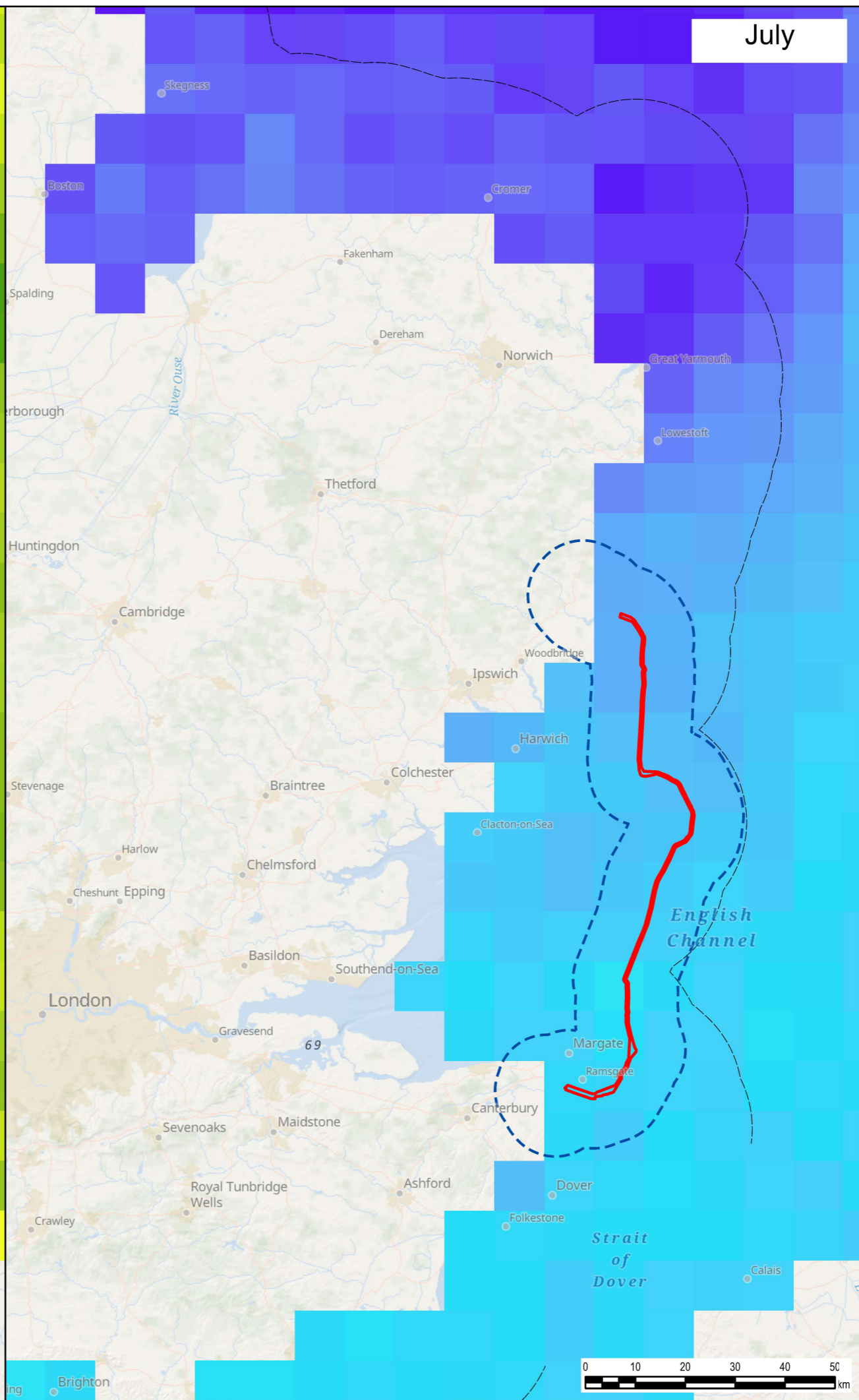
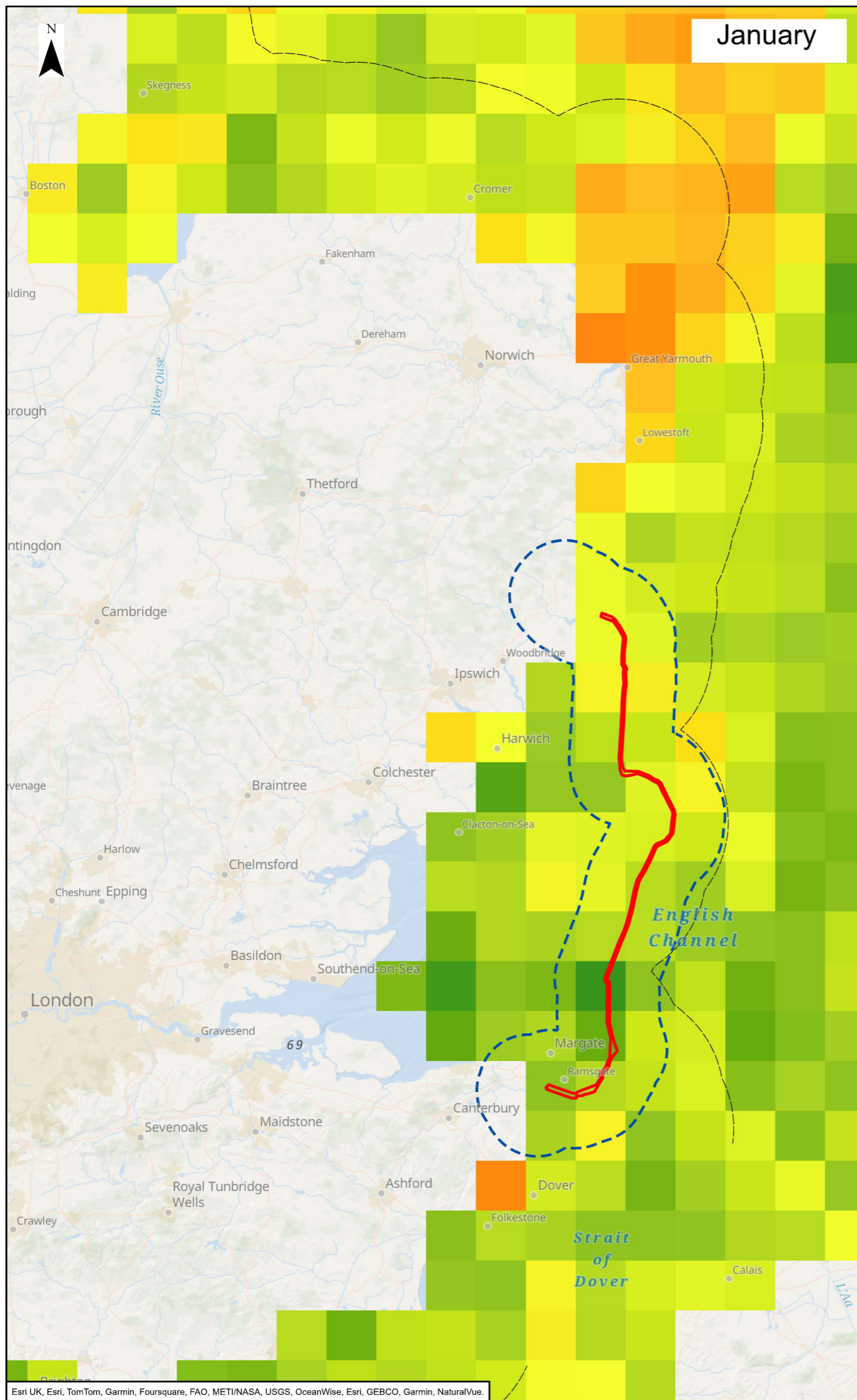
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Document Title:
RED-THROATED DIVER COUNTS (INDIVIDUALS) AND DENSITIES (NUMBER/KM²) IN THE OUTER THAMES ESTUARY SPA RECORDED BY NATURAL ENGLAND IN FEBRUARY 2018

Creator:	Date:	Checker:	Date:	Approver:	Date:
EB	09/02/2026	DF	09/02/2026	SE	09/02/2026

Document Ref:	Scale:	Format:	Sheets:	Rev:
FIGURE 6.4.4.5.5	1:1,000,000	A3	1	0



Legend

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

Distribution of Razor Bill - January (Waggitt et al 2019)

Individuals per km²

- 0.321
- 0.136

Distribution of Razor Bill - July (Waggitt et al 2019)

Individuals per km²

- 0.101
- 0.008

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

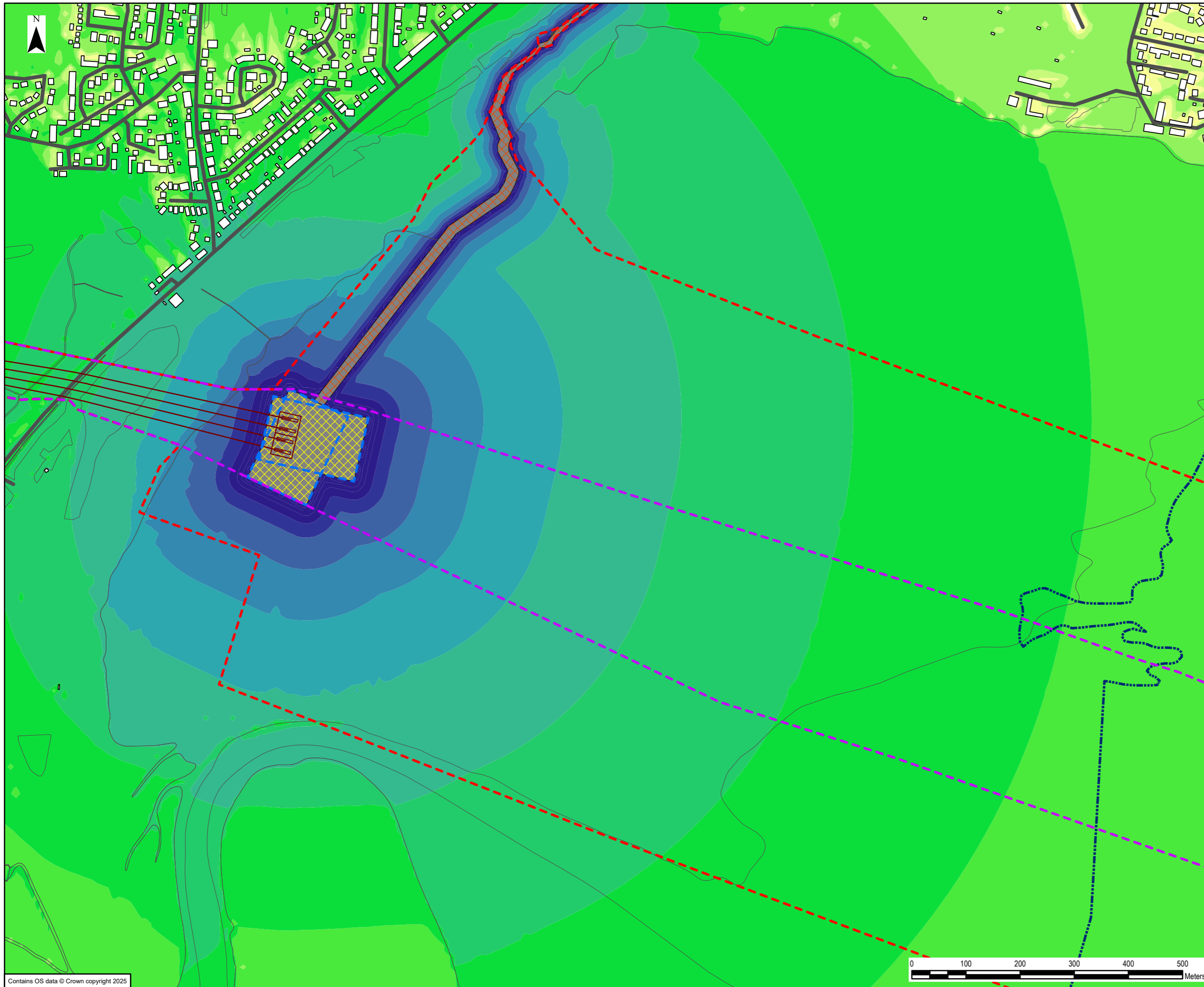
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Document Title: RAZOR BILL SPATIAL VARIATION IN PREDICTED DENSITIES (INDIVIDUALS/KM²) IN JANUARY AND JULY (SOURCE: WAGGIT ET AL., 2020)

Creator: EB	Date: 25/11/2024	Checker: DF	Date: 25/11/2024	Approver: JR	Date: 25/11/2024
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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_{AFmax} at 10 m 91 dB) operating anywhere in HDD exit area and construction vehicles (source level L_{AFmax} 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

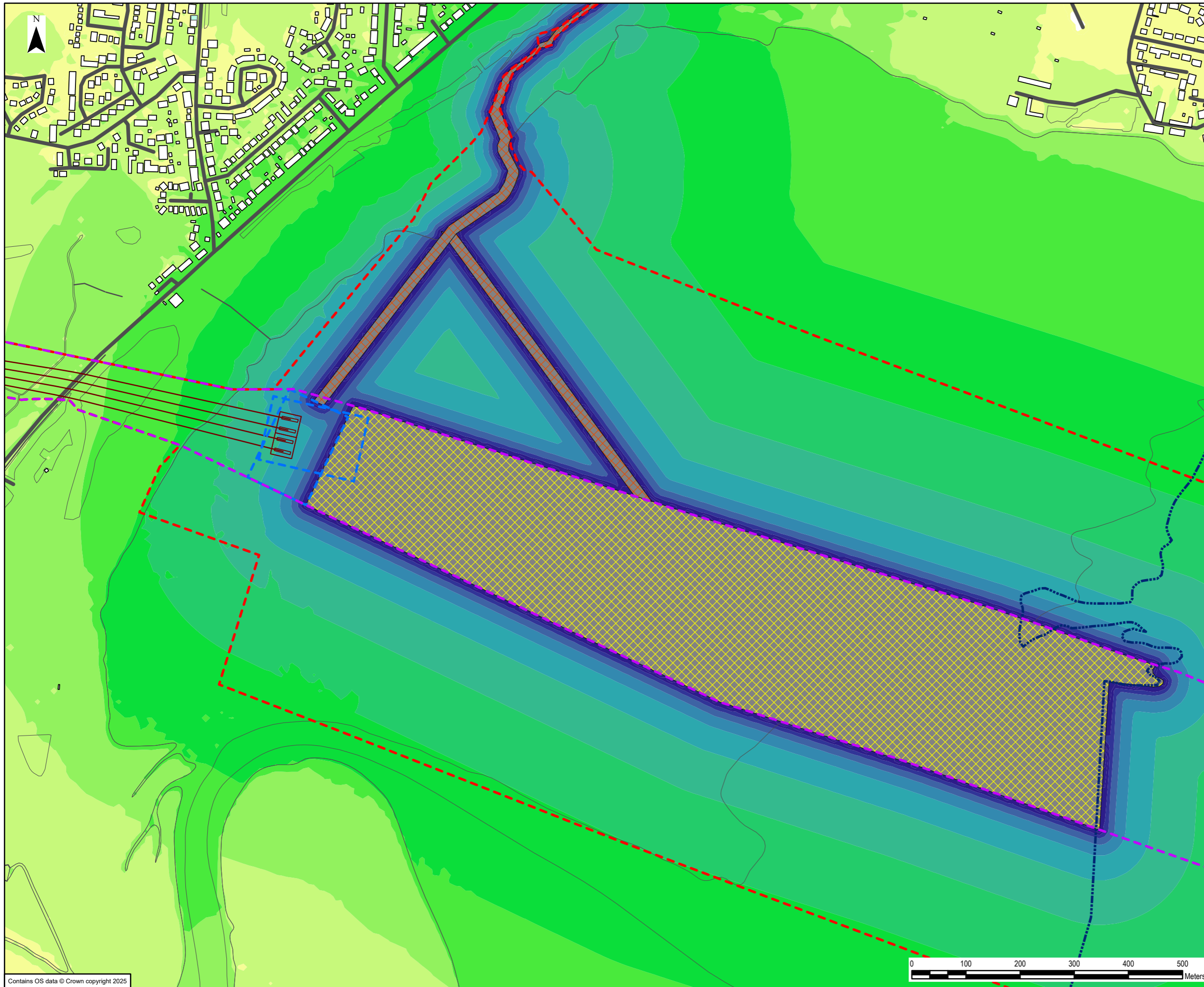
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Scheme: SEA LINK

Document Title: Predicted maximum (L_{AFmax}) 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)

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



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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