

Sea Link

Volume 6: Environmental Statement

Document 6.4.4.5

Part 4 Marine

Chapter 5

Marine Ornithology - Figures

Planning Inspectorate Reference: EN020026

Version: C

January 2026

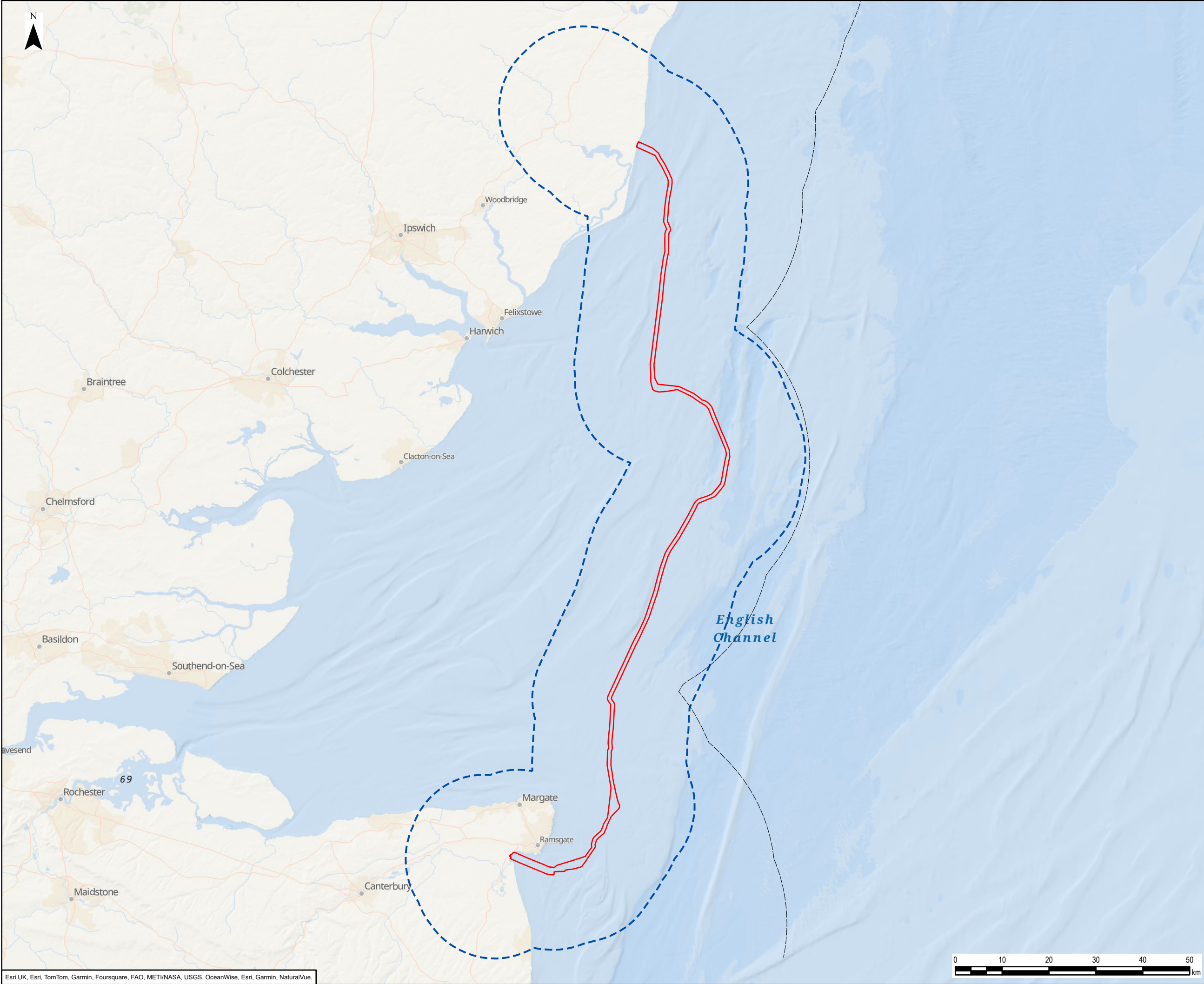
Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009 Regulation 5(2)(a)

Contents

Application Document 6.4.4.5 Marine Ornithology - Figures

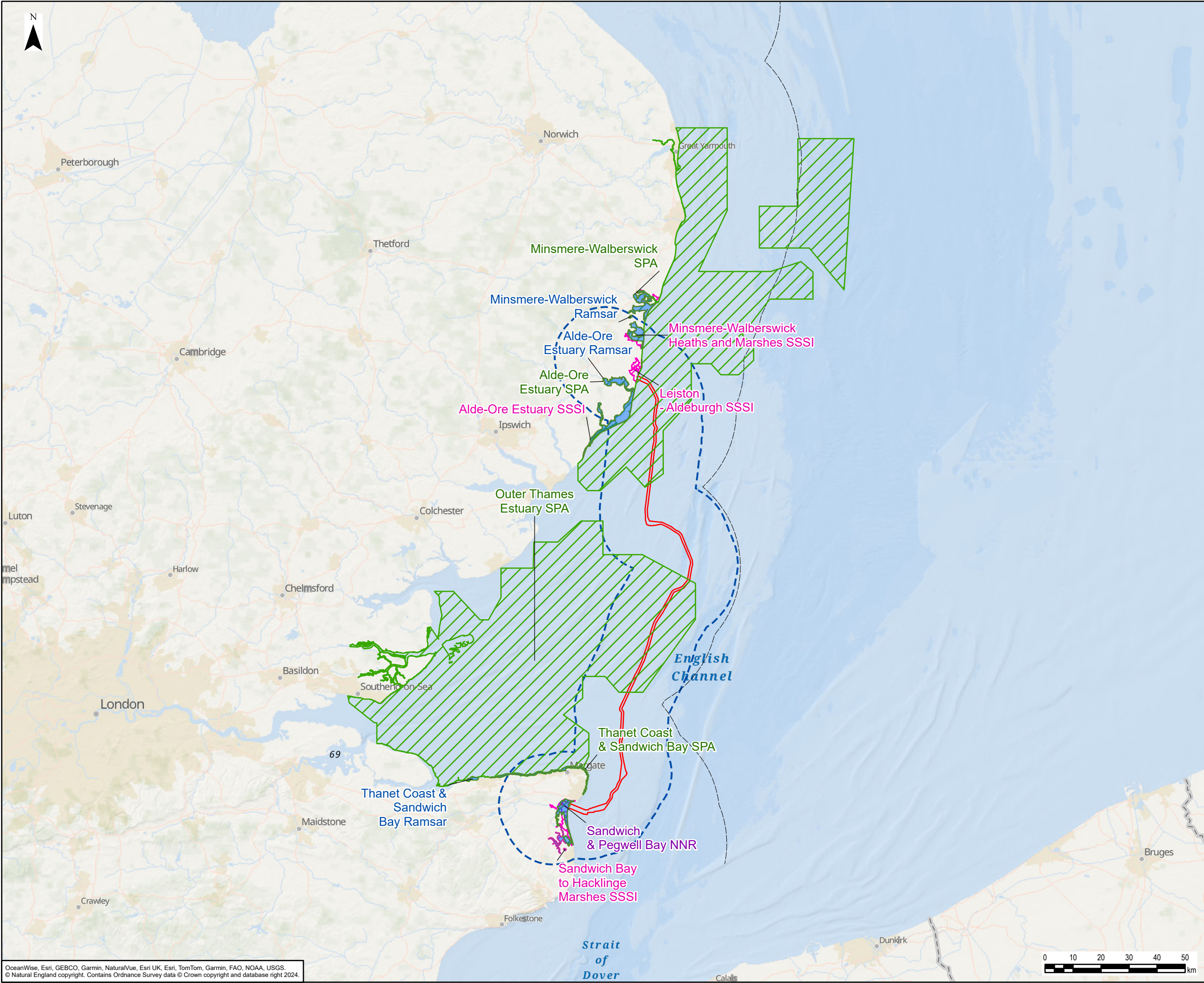
- Application Document 6.4.4.5.1 Ornithology Study Area
- Application Document 6.4.4.5.2 Relevant Designated Sites for the Protection of Ornithology
- Application Document 6.4.4.5.3 Lesser Black-Backed Gull Spatial Variation in Predicted Densities (Individuals/km²) in January and July
- Application Document 6.4.4.5.4 Herring Gull Spatial Variation in Predicted Densities (Individuals/km²) in January and July (Source: Waggit et al., 2020)
- Application Document 6.4.4.5.5 Red Throated Diver Counts (Individuals) and Densities (Number/km²) in the Outer Thames Estuary SPA Recorded by Natural England in February 2018
- Application Document 6.4.4.5.6 Razor Bill Spatial Variation in Predicted Densities (Individuals/km²) in January and July (Source: Waggit et al., 2020)
- Application Document 6.4.4.5.7 Predicted Maximum (L_{AFmax}) Noise Levels – Phases 1 and 2
- Application Document 6.4.4.5.8 Predicted Maximum (L_{AFmax}) 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 | 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)

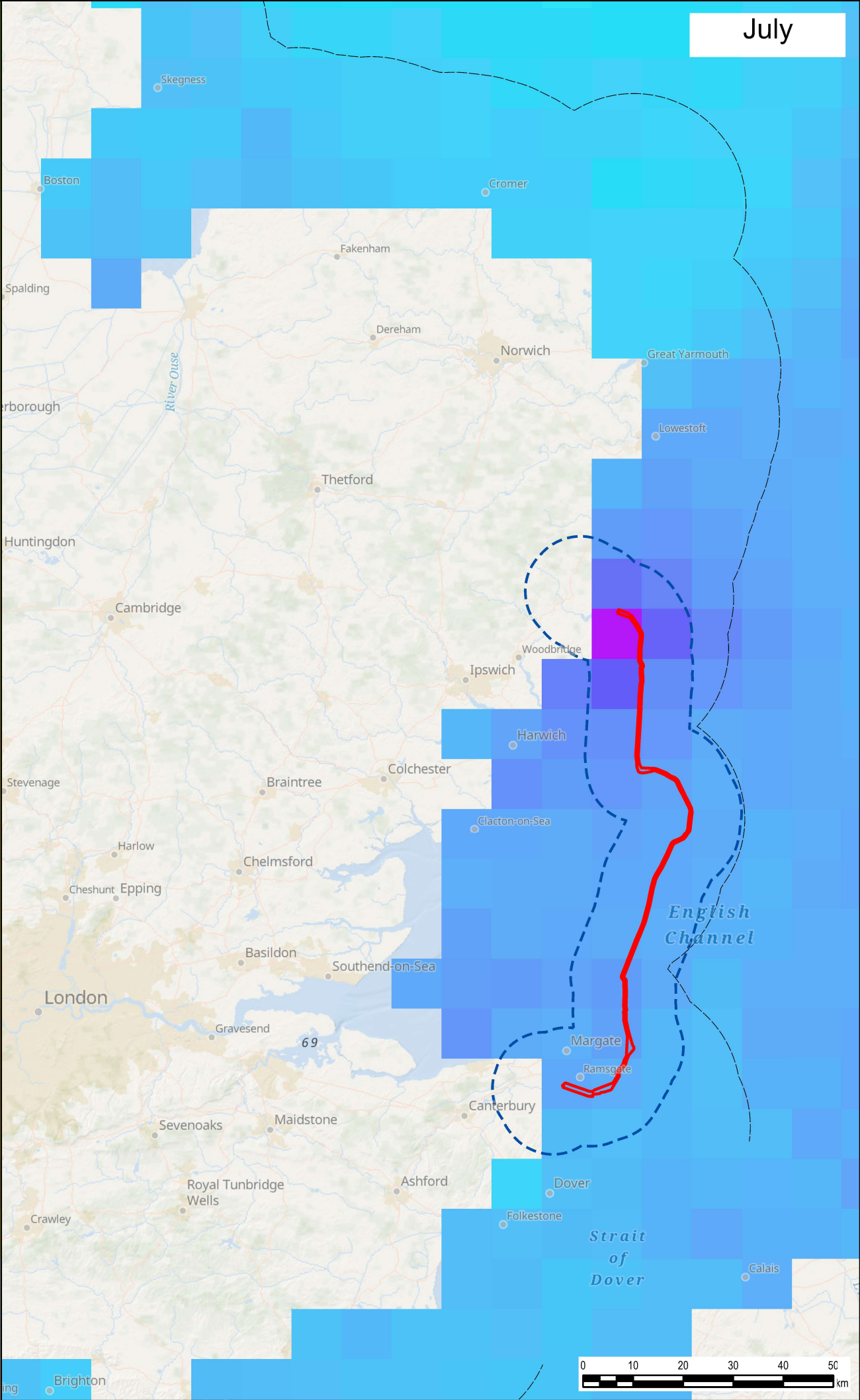
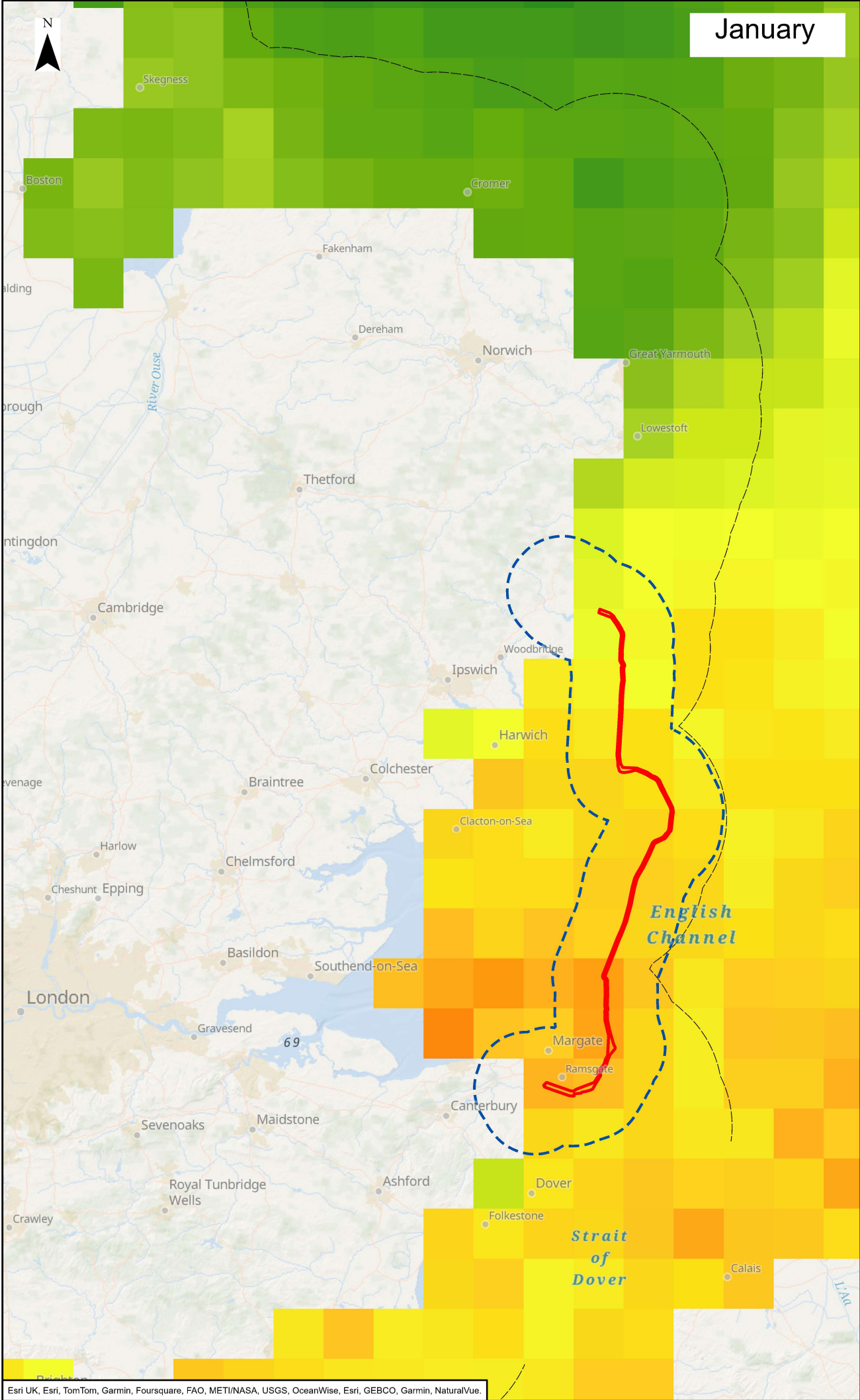
| | | | | | |
|-----|------------|-------------------------|-----|-----|-----|
| 0 | 25/11/2024 | ENVIRONMENTAL STATEMENT | EB | DF | JR |
| Rev | Date | Description | GIS | Chk | App |

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

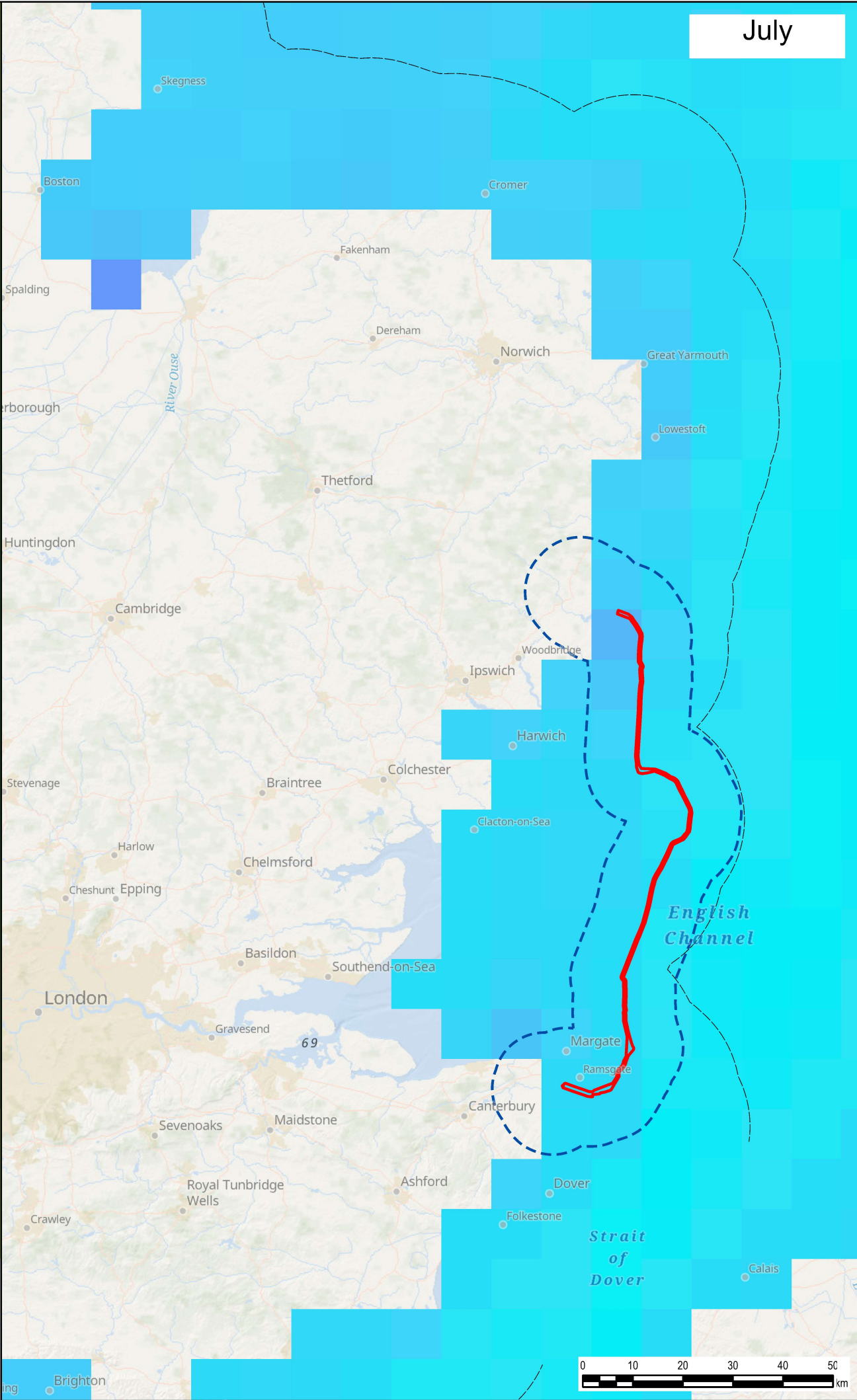
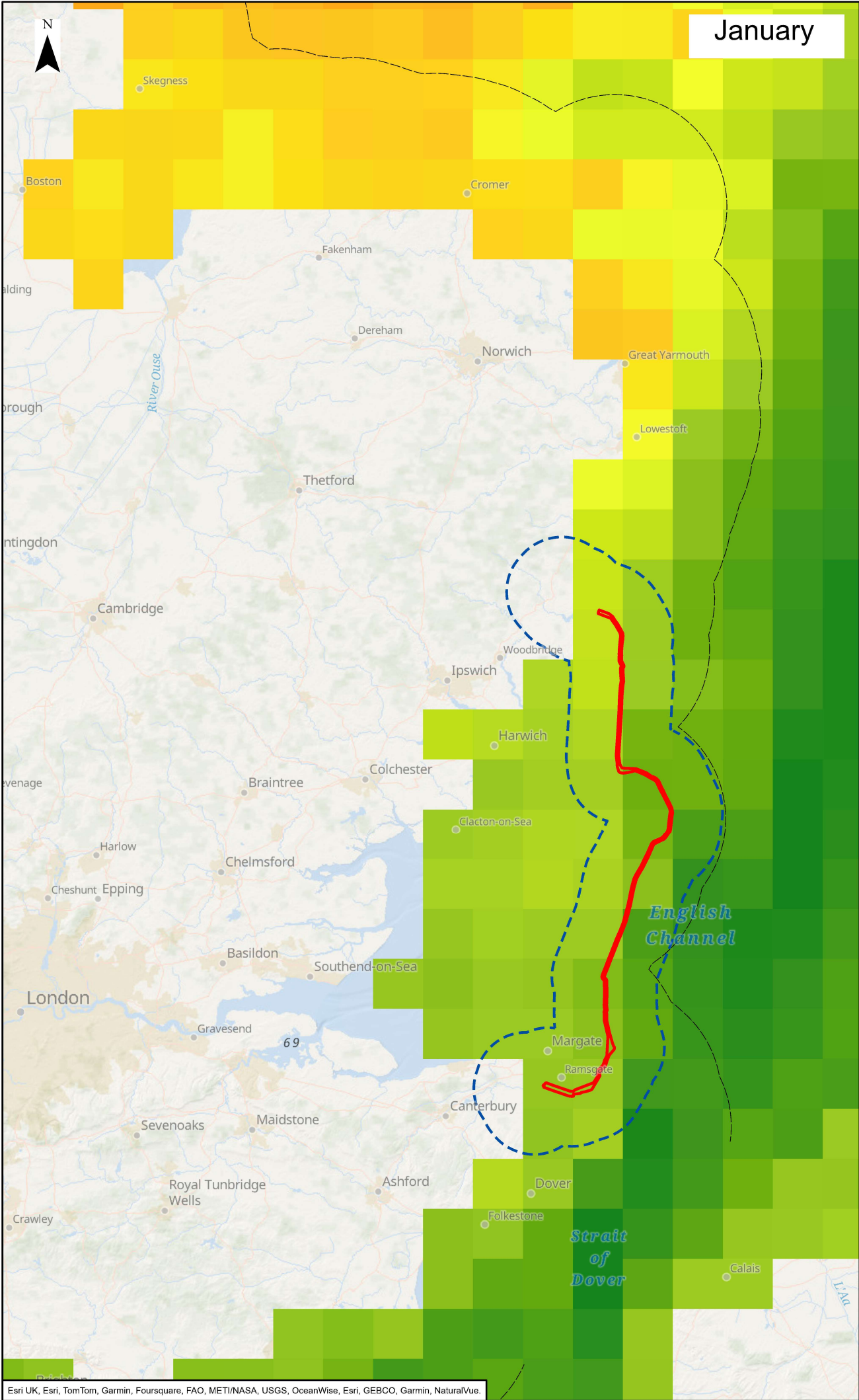
Distribution of Lesser Black Backed Gull - July (Waggit et al 2019)

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 | |

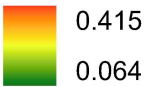


Legend

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

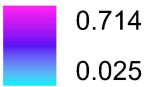
Distribution of Herring Gull - January (Waggit et al 2019)

Individuals per km²

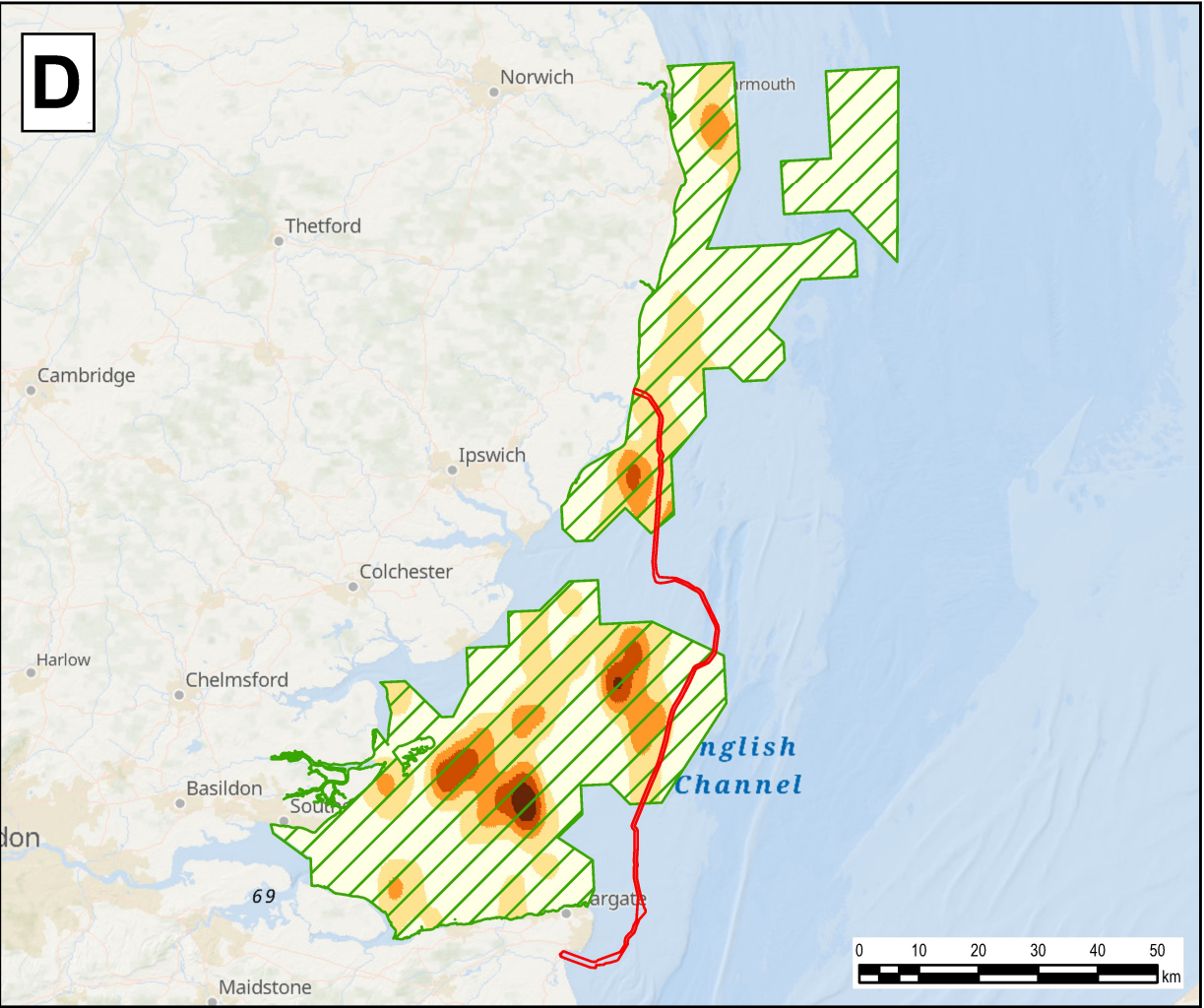
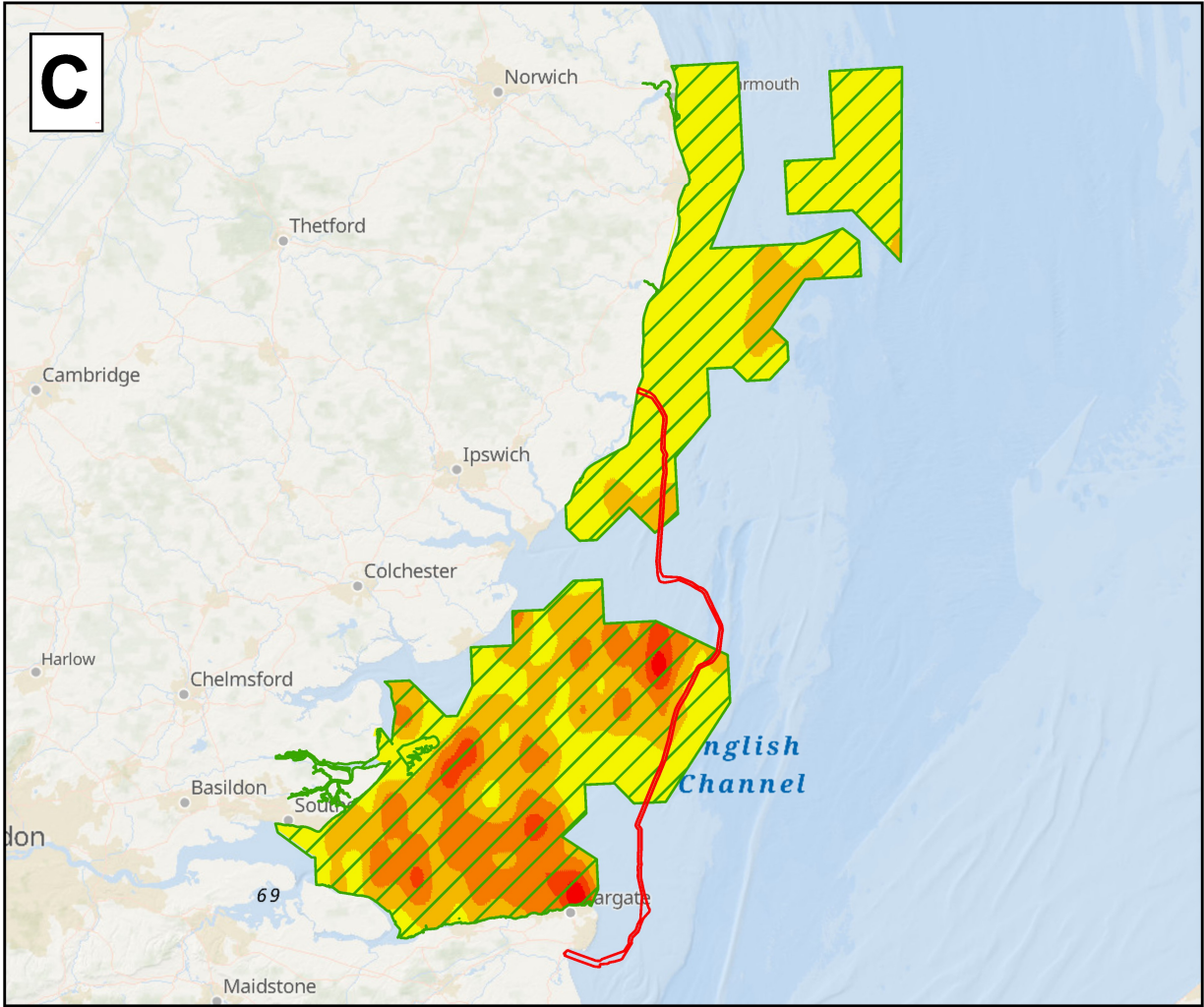
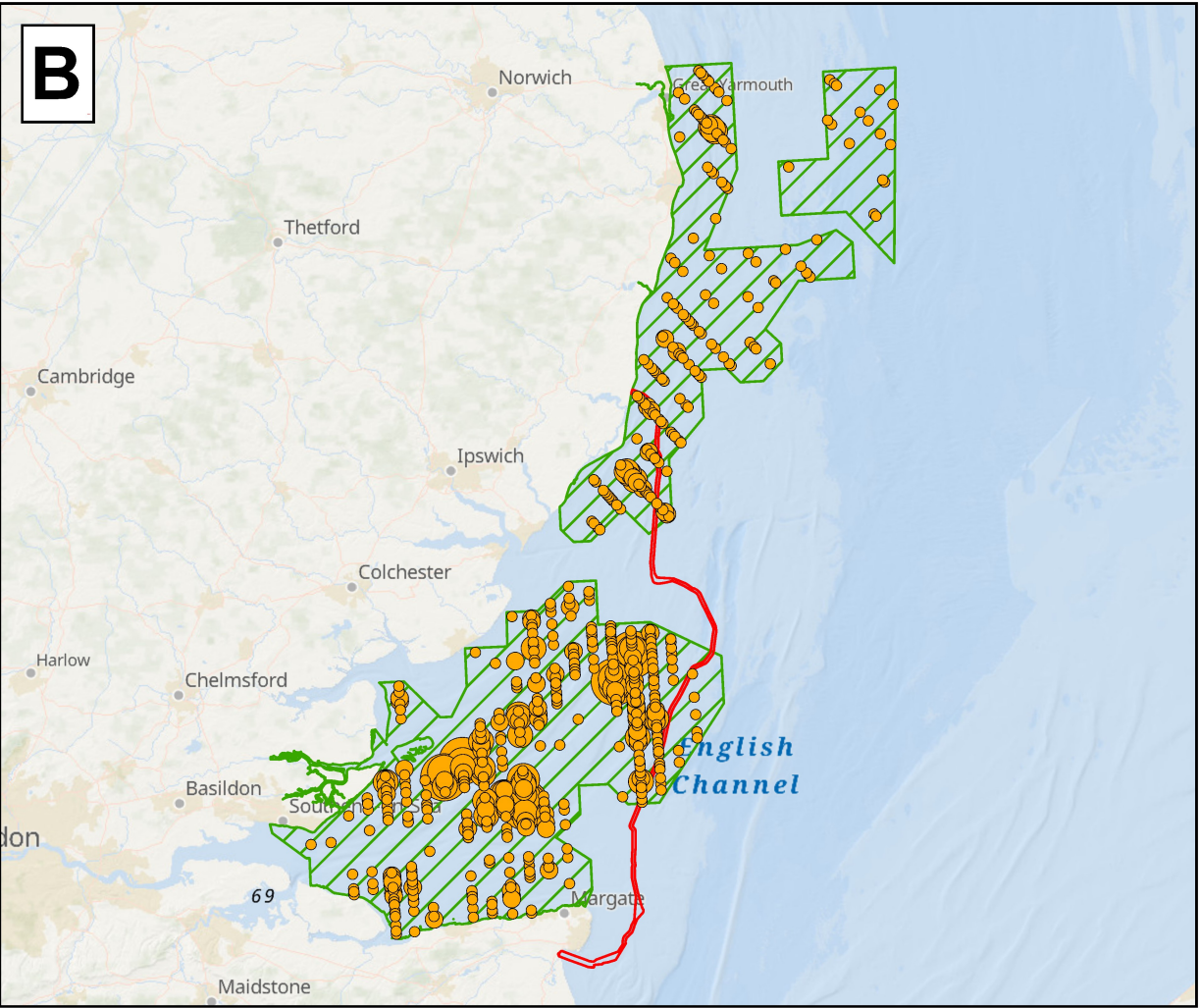
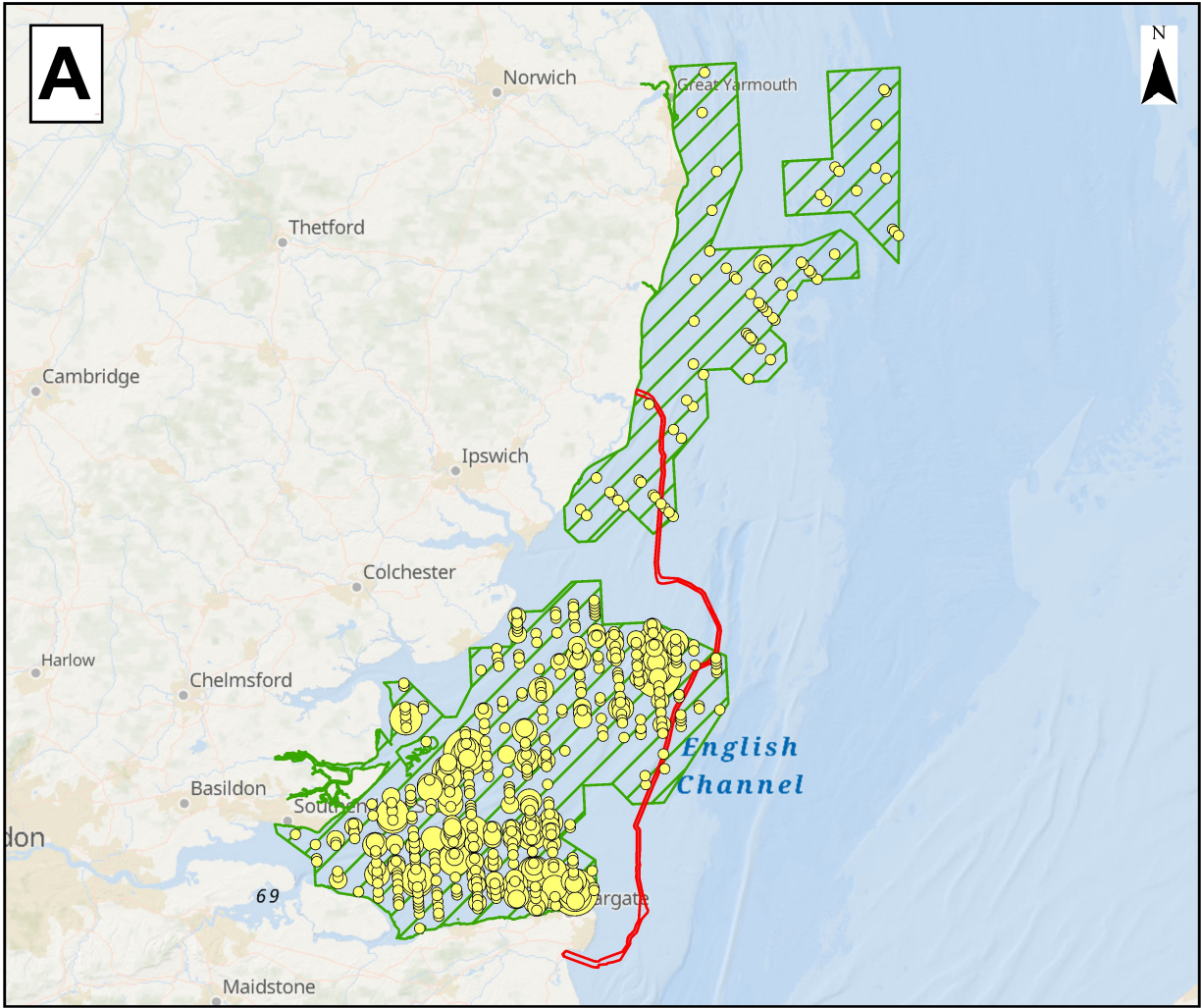


Distribution of Herring Gull - July (Waggit et al 2019)

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)

OceanWise, Esri, GEBCO, Garmin, NaturalVue, Esri UK, Esri, TomTom, Garmin, FAO, NOAA, USGS,
© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right 2024.

| | | | | | |
|-----|------------|-------------------------|-----|-----|-----|
| 0 | 25/11/2024 | ENVIRONMENTAL STATEMENT | EB | DF | AB |
| Rev | Date | Description | GIS | Chk | App |

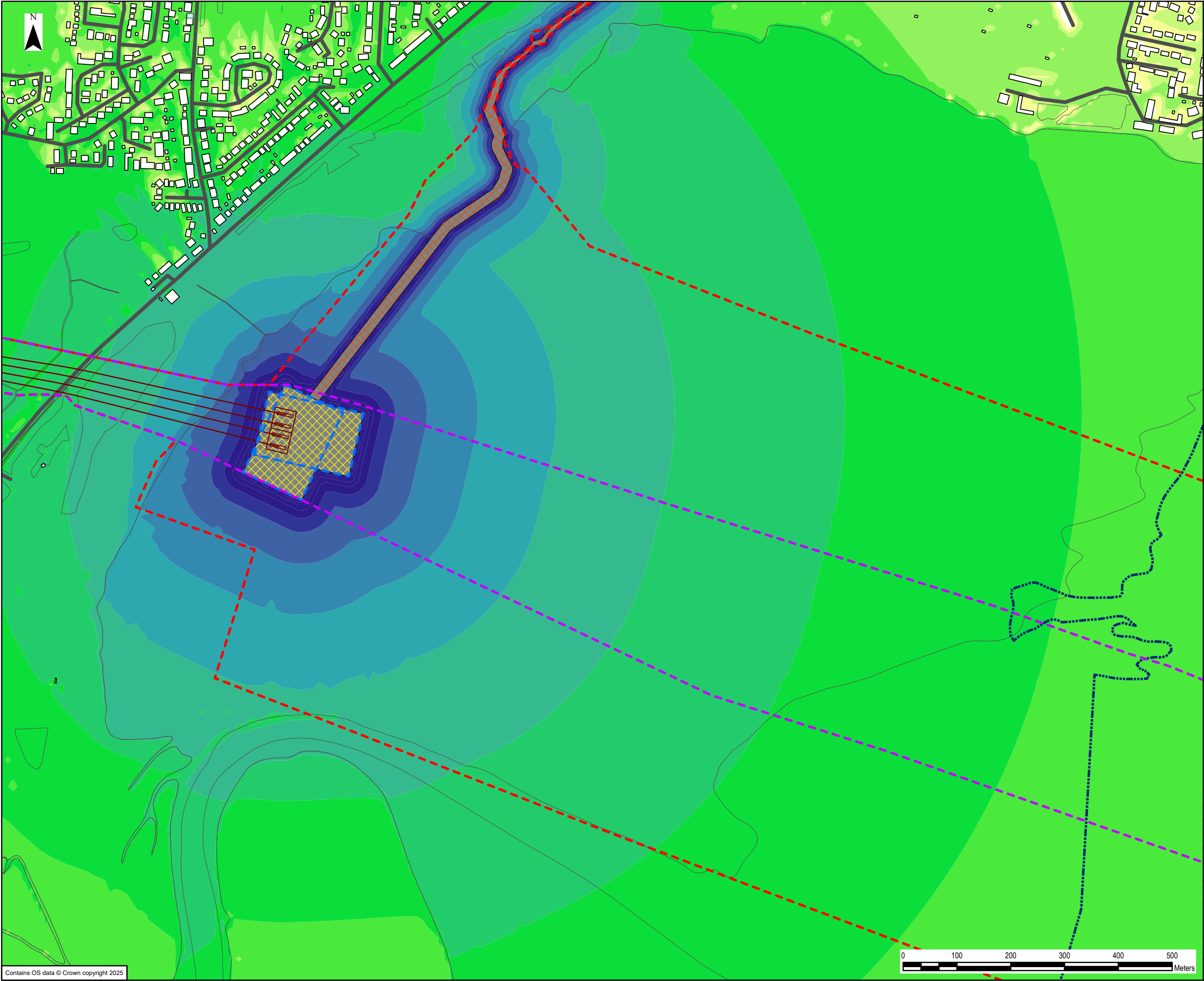
nationalgrid

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 |
|----------------|---------------------|----------------|---------------------|-----------------|---------------------|

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



Legend

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

Noise level (dB)

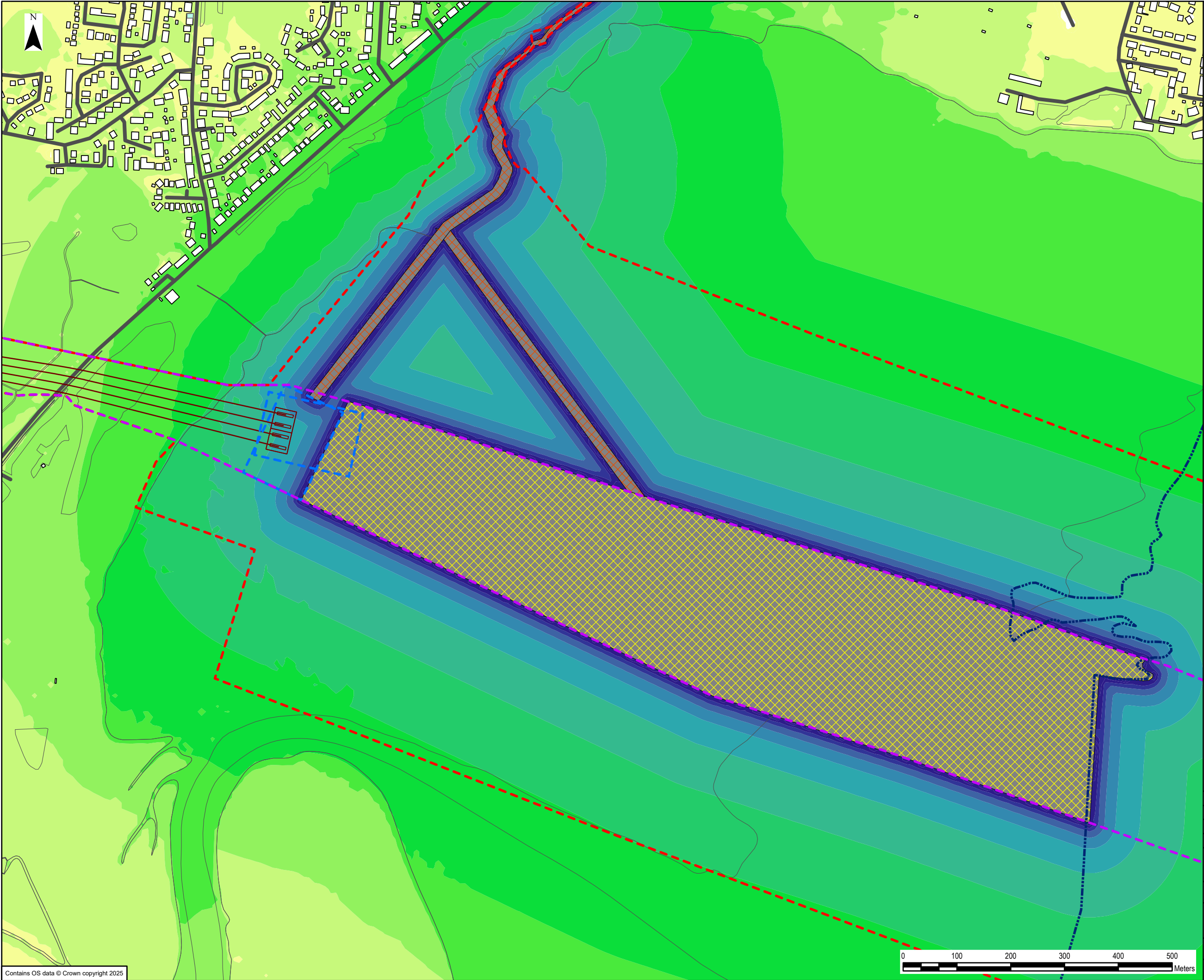
- < 20
- 30 to <35
- 35 to <40
- 40 to <45
- 45 to <50
- 50 to <55
- 55 to <60
- 60 to <65
- 65 to <70
- 70 to <75
- 75 to <80
- >=80

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_{AFmax} 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 |

nationalgrid

| | | | | | |
|---|------------------|-------------|------------------|--------------|------------------|
| Scheme: SEA LINK | | | | | |
| Document Title: Predicted maximum (L_{AFmax}) 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 | |

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