



FIVE ESTUARIES OFFSHORE WIND FARM ENVIRONMENTAL STATEMENT

VOLUME 6, PART 5, ANNEX 4.9: SEABIRD DISTRIBUTIONS RECORDED IN AERIAL SURVEYS

Application Reference	EN010115
Application Document Number	6.5.4.9
Revision	A
APFP Regulation	5(2)(a)
Date	March 2024



Project	Five Estuaries Offshore Wind Farm
Sub-Project or Package	Environmental Statement
Document Title	Volume 6, Part 5, Annex 4.9: Seabird Distributions Recorded in Aerial Surveys
Application Document Number	6.5.4.9
Revision	A
APFP Regulation	5(2)(a)
Document Reference	005024233-01

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Revision	Date	Status/Reason for Issue	Originator	Checked	Approved
A	Mar-24	ES	MacArthur Green	GoBe	VE OWFL



MacArthur
Green

Five Estuaries Offshore Wind Farm

Ornithology Technical Annex 4.9 Seabird distributions recorded in aerial surveys

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Document Quality Record

Version	Status	Person Responsible	Date
0.1	Draft	Lindsay Fergusson	10/11/2022
0.2	Reviewed	Dr Mark Trinder	10/11/2022
0.3	Updated	Lindsay Fergusson	14/11/2022
1	Internal Approval	Dr Mark Trinder	14/11/2022
1.1	Updated	Lindsay Fergusson	22/02/2023
1.2	Updated for ES	Rafe Dewar	25/01/2024

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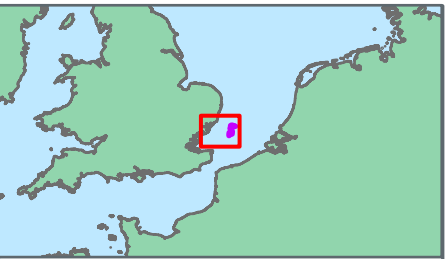
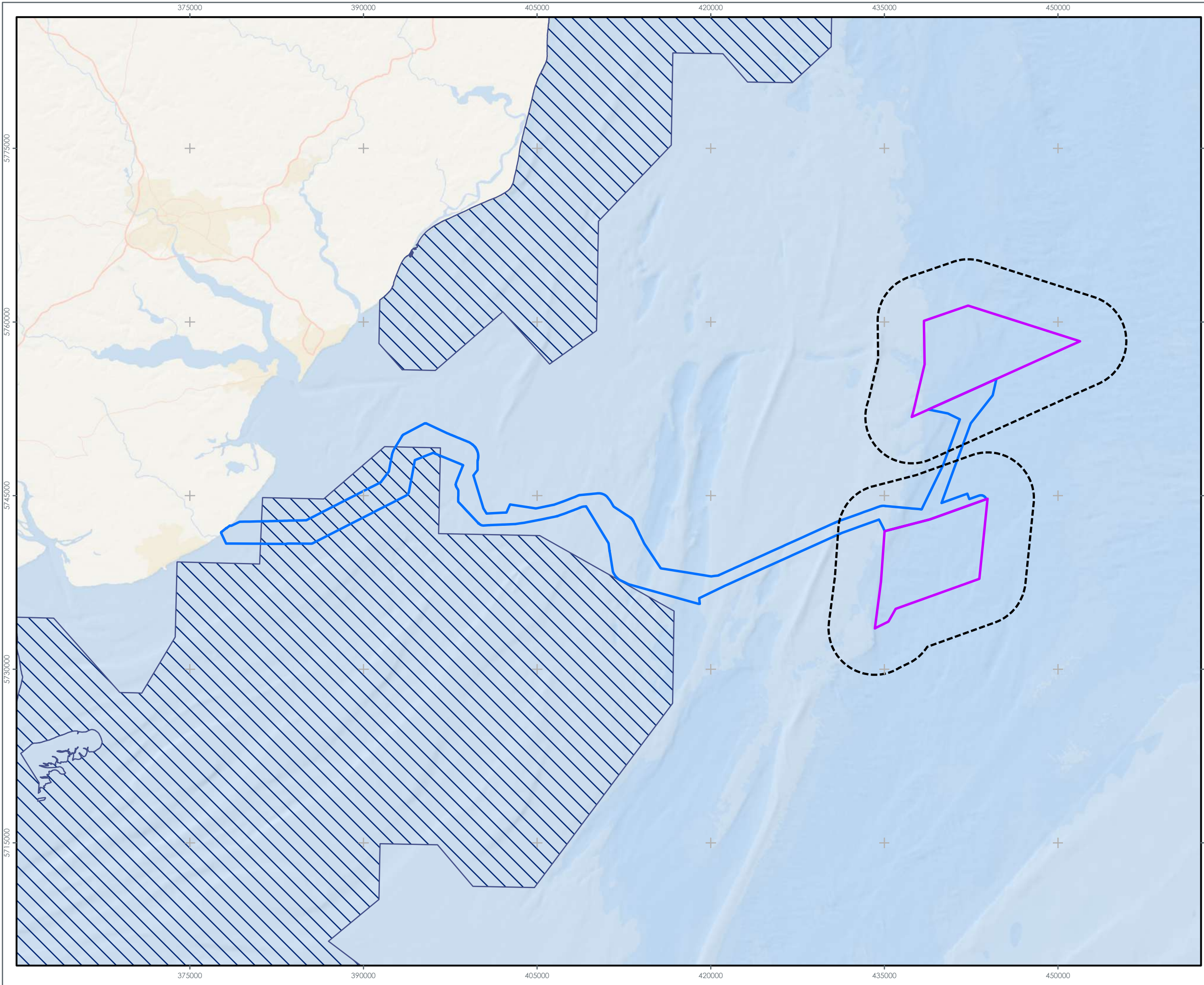


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1 INTRODUCTION1

1 INTRODUCTION

This annex provides distribution maps of seabirds recorded during the digital aerial surveys of the proposed Five Estuaries North and South Array Areas. Data have been combined across all surveys and are presented by species-specific biological season. Species recorded in low numbers have been combined where appropriate (e.g. small gulls and terns).



LEGEND

- Array Areas
- Offshore Export Cable Corridor
- Offshore Ornithology Study Area
- Outer Thames Estuary Special Protection Area



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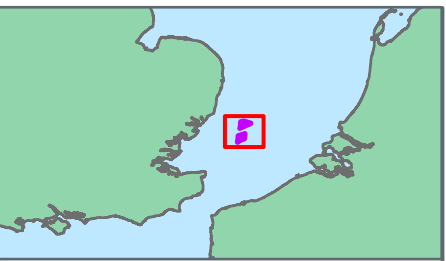
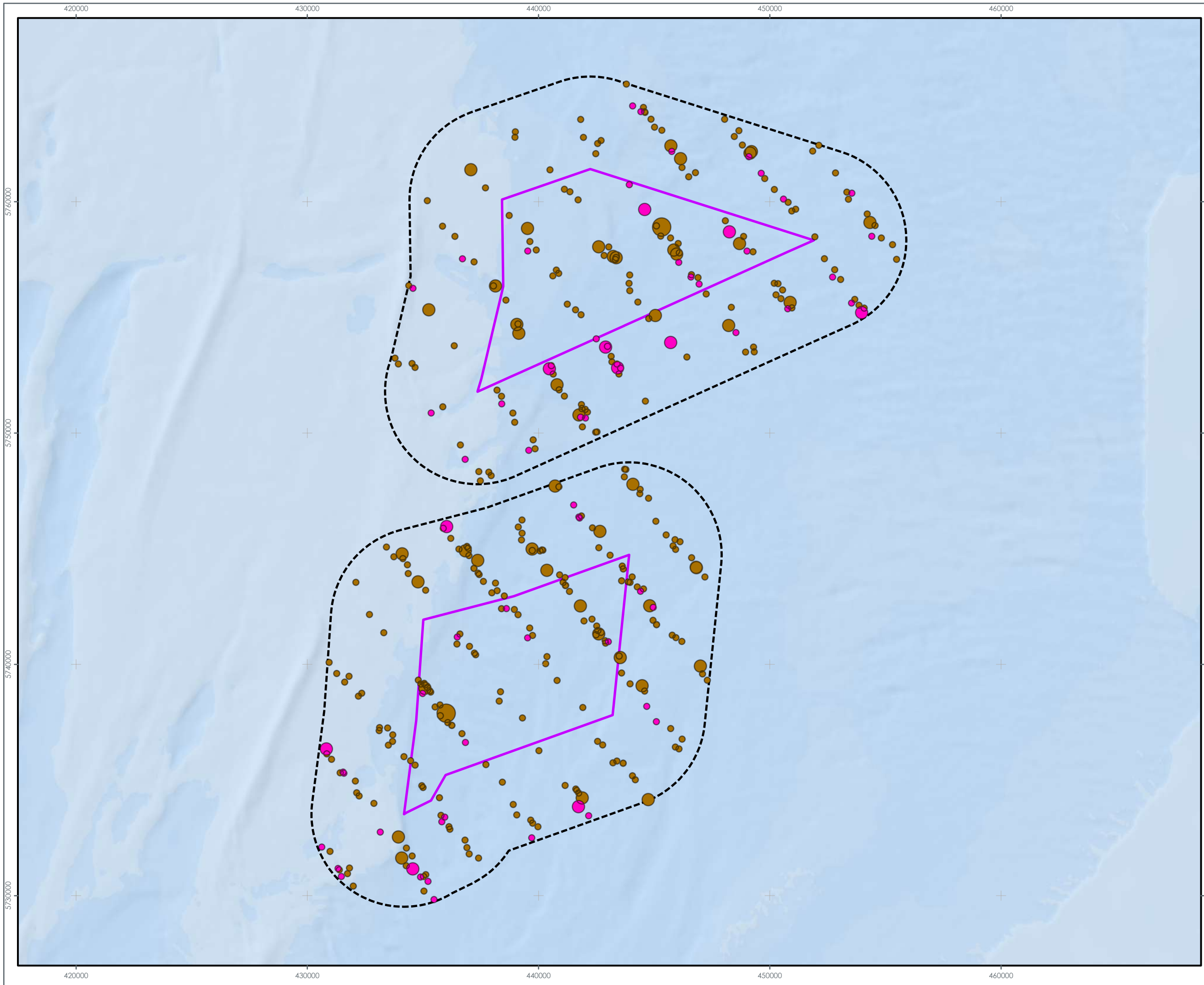
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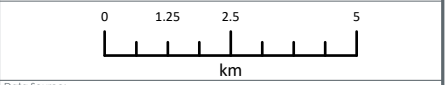
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- LEGEND**
- Array Areas
 - Offshore Ornithology Study Area
- Auk Species Observations by Season**
- Breeding
 - Non-breeding
- Auk Species Observations by Count**
- 1
 - 2 - 5
 - 6 - 12



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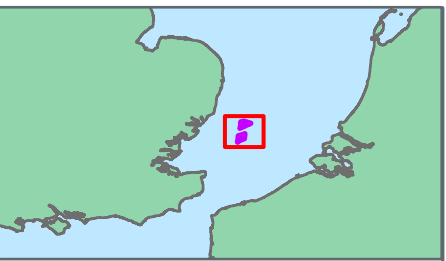
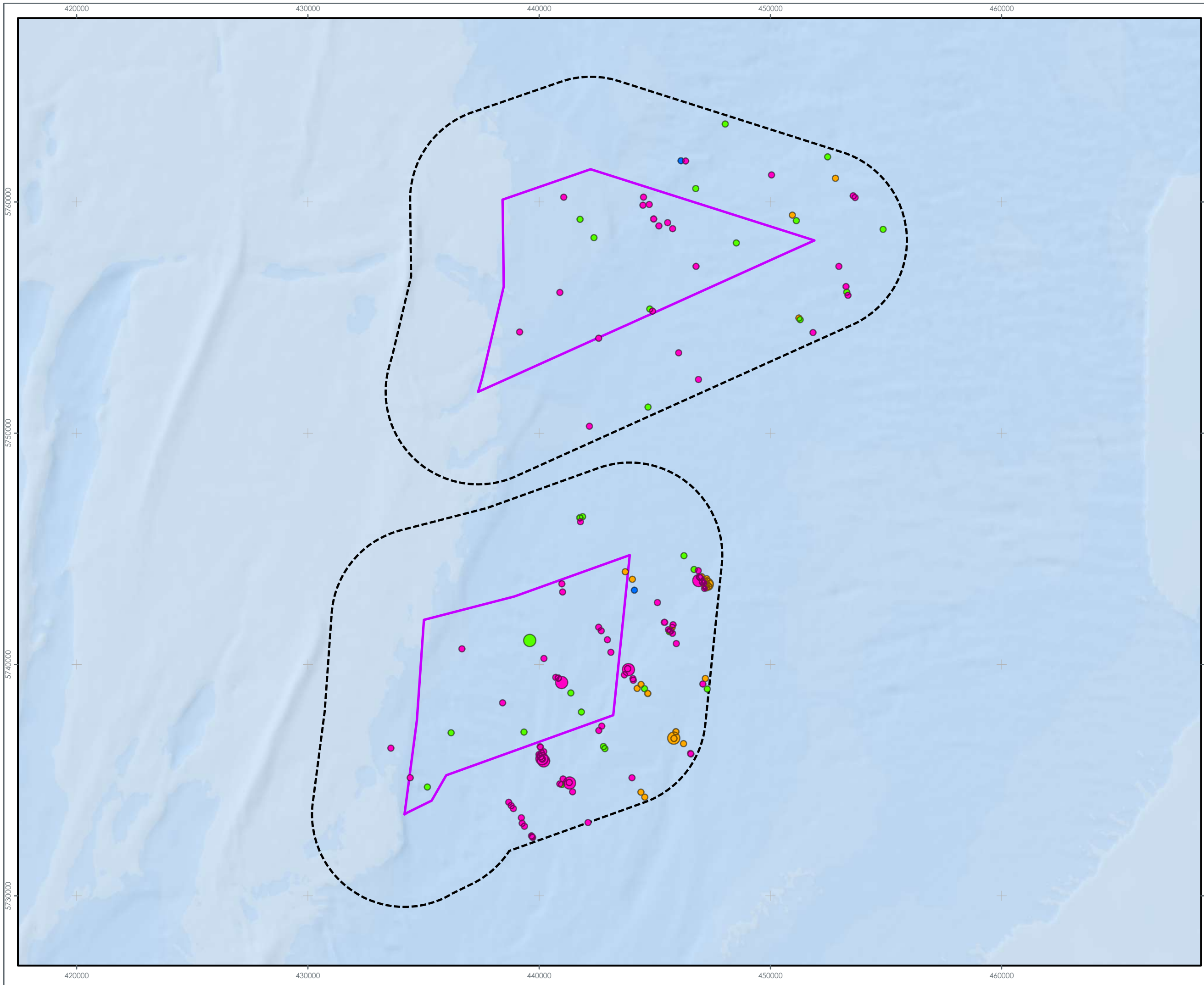
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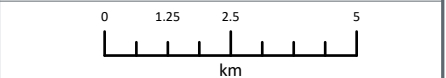
- Array Areas
- Offshore Ornithology Study Area

Fulmar Observations by Season

- Spring Migration
- Breeding
- Autumn Migration
- Winter

Fulmar Observations by Count

- 1
- 2 - 5



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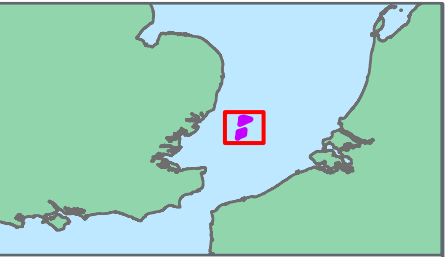
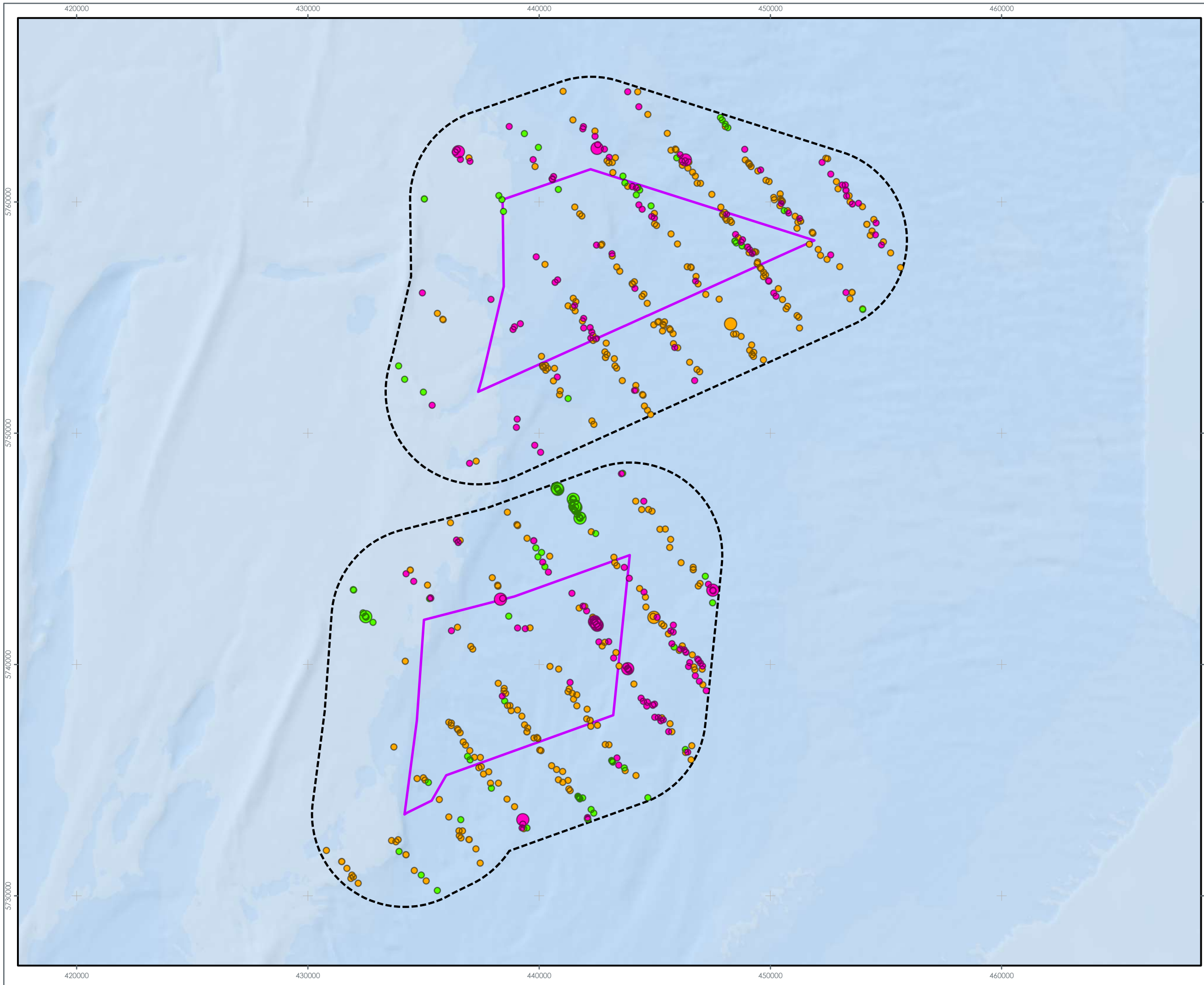
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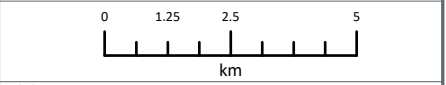
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- LEGEND**
- Array Areas
 - Offshore Ornithology Study Area
- Gannet Observations by Season
- Spring Migration
 - Breeding
 - Autumn Migration
- Gannet Observations by Count
- 1
 - 2 - 5



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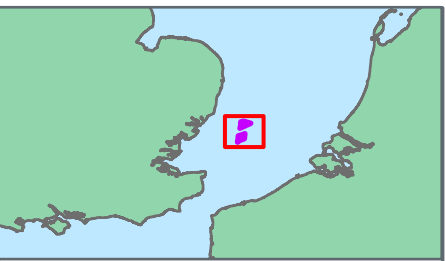
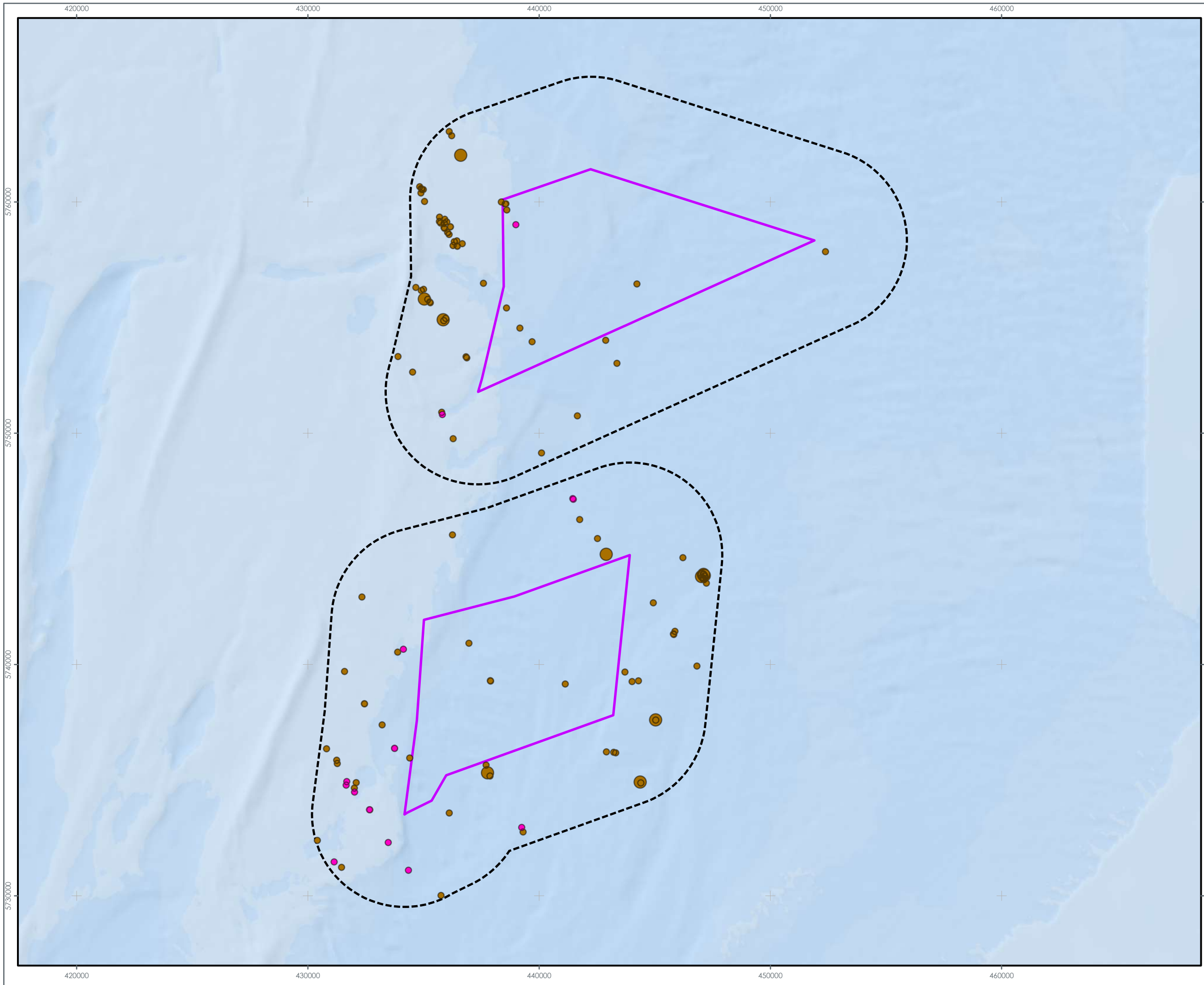
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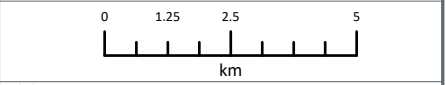
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- LEGEND**
- Array Areas
 - Offshore Ornithology Study Area
- Great Black-backed Gull Observations by Season
- Breeding
 - Non-breeding
- Great Black-backed Gull Observations by Count
- 1
 - 2 - 5



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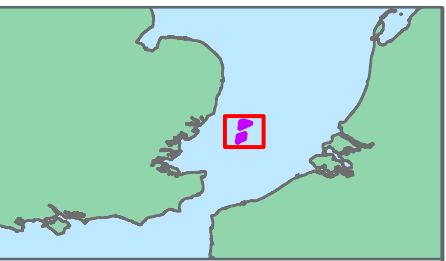
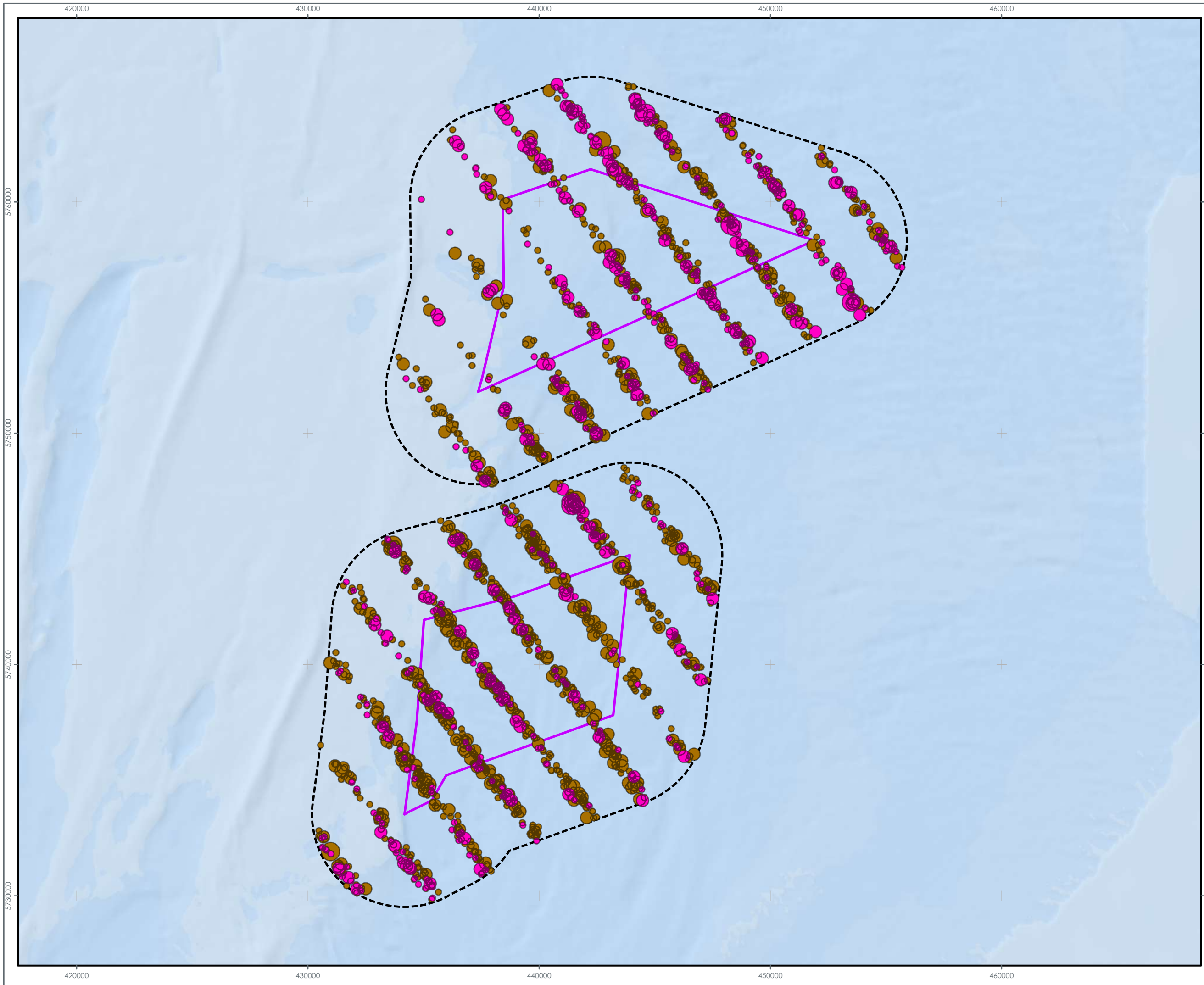
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- LEGEND**
- Array Areas
 - Offshore Ornithology Study Area
- Guillemot Observations by Season
- Breeding
 - Non-breeding
- Guillemot Observations by Count
- 1
 - 2 - 5
 - 6 - 12



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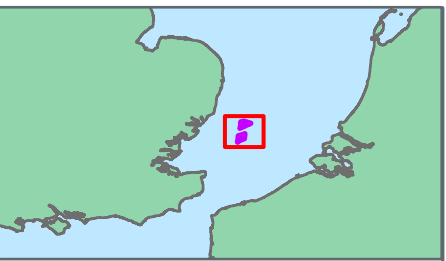
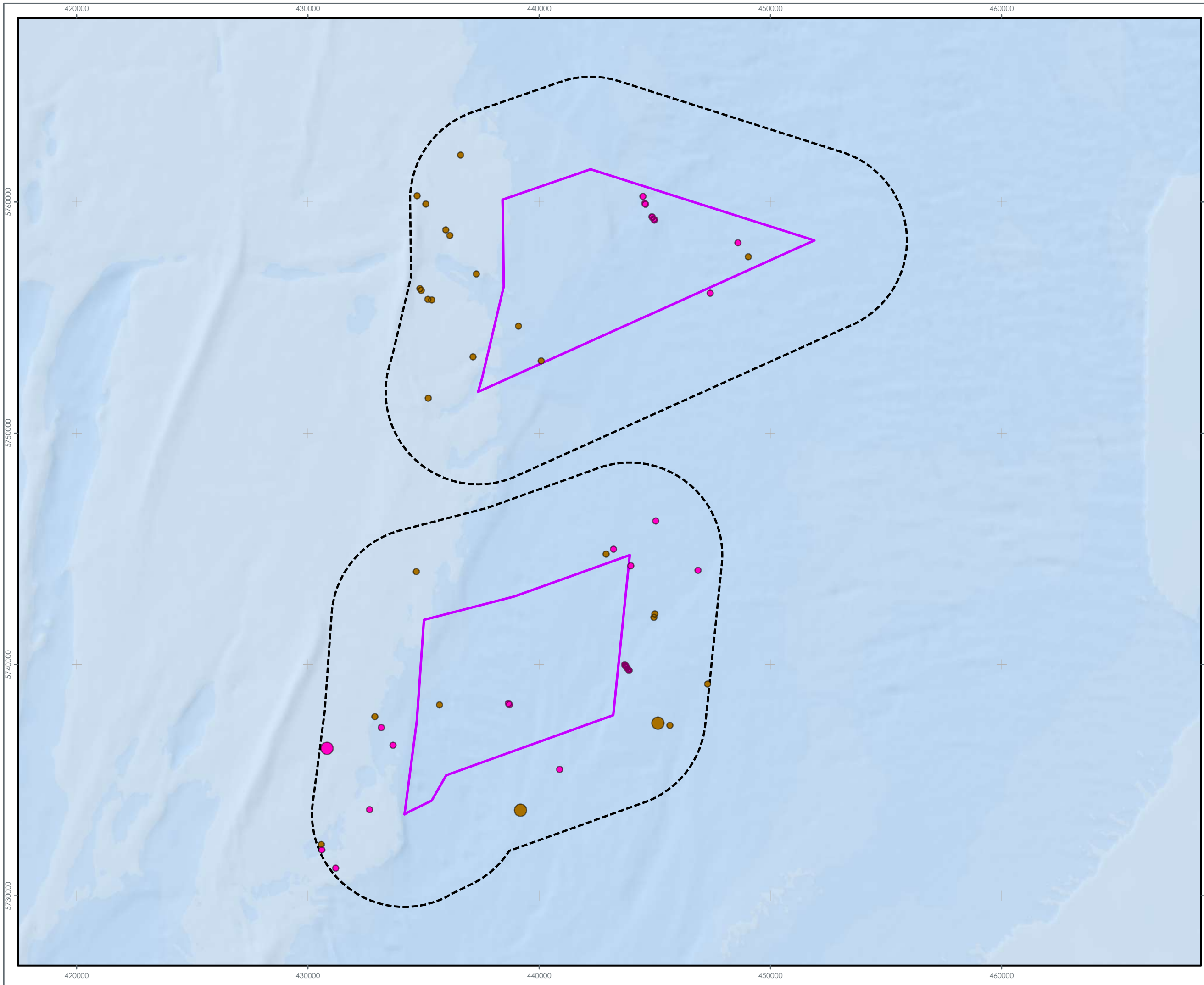
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LEGEND

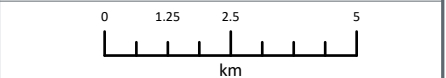
- Array Areas
- Offshore Ornithology Study Area

Herring Gull Observations by Season

- Breeding
- Non-breeding

Herring Gull Observations by Count

- 1
- 2 - 5



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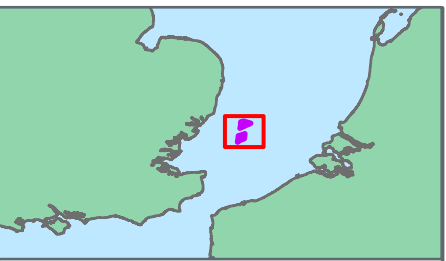
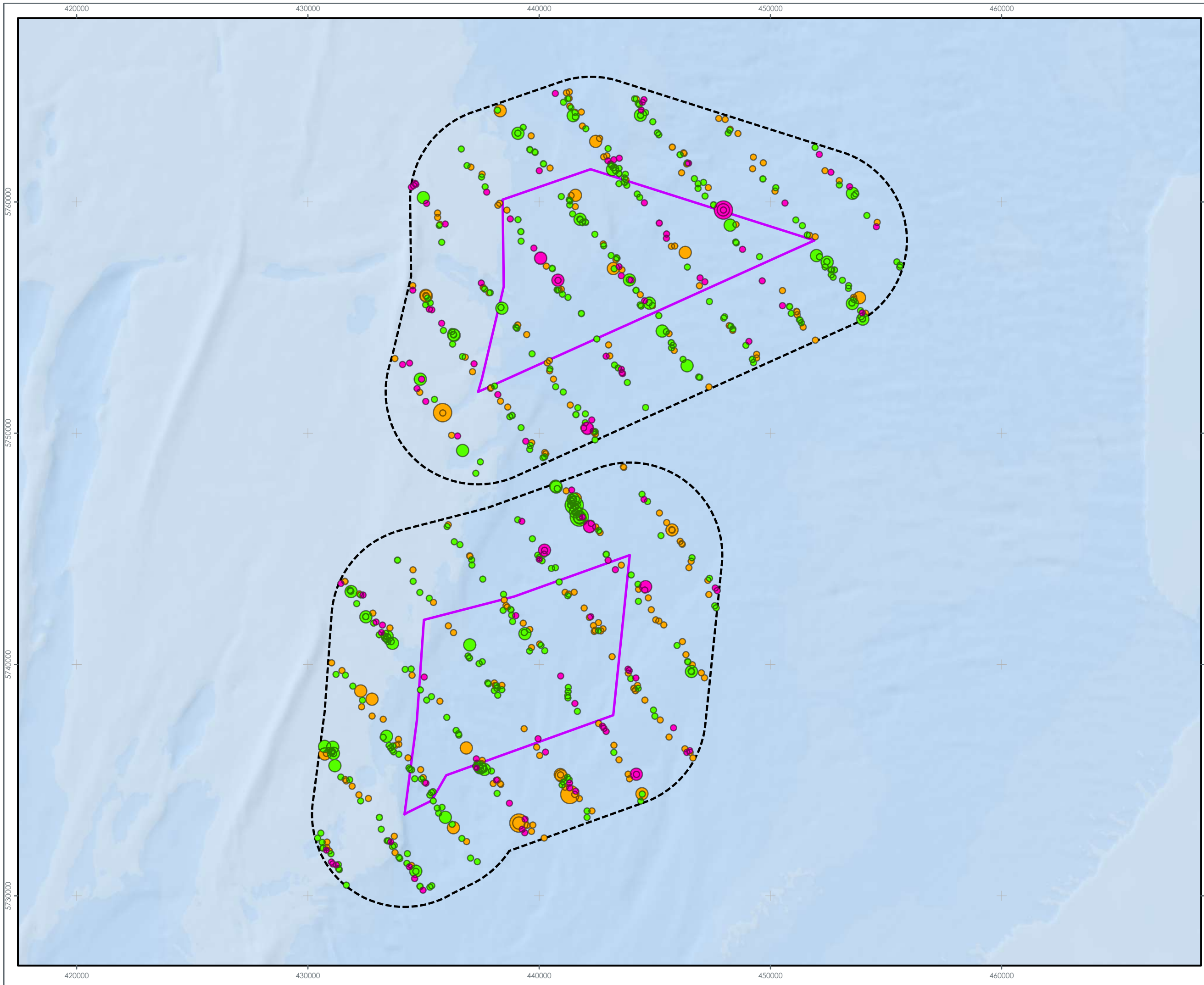
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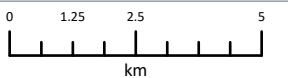
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LEGEND

- Array Areas
- Offshore Ornithology Study Area
- Kittiwake Observations by Season**
- Spring Migration
- Breeding
- Autumn Migration
- Kittiwake Observations by Count**
- 1
- 2 - 5
- 6 - 12



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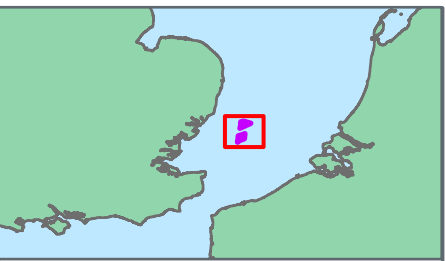
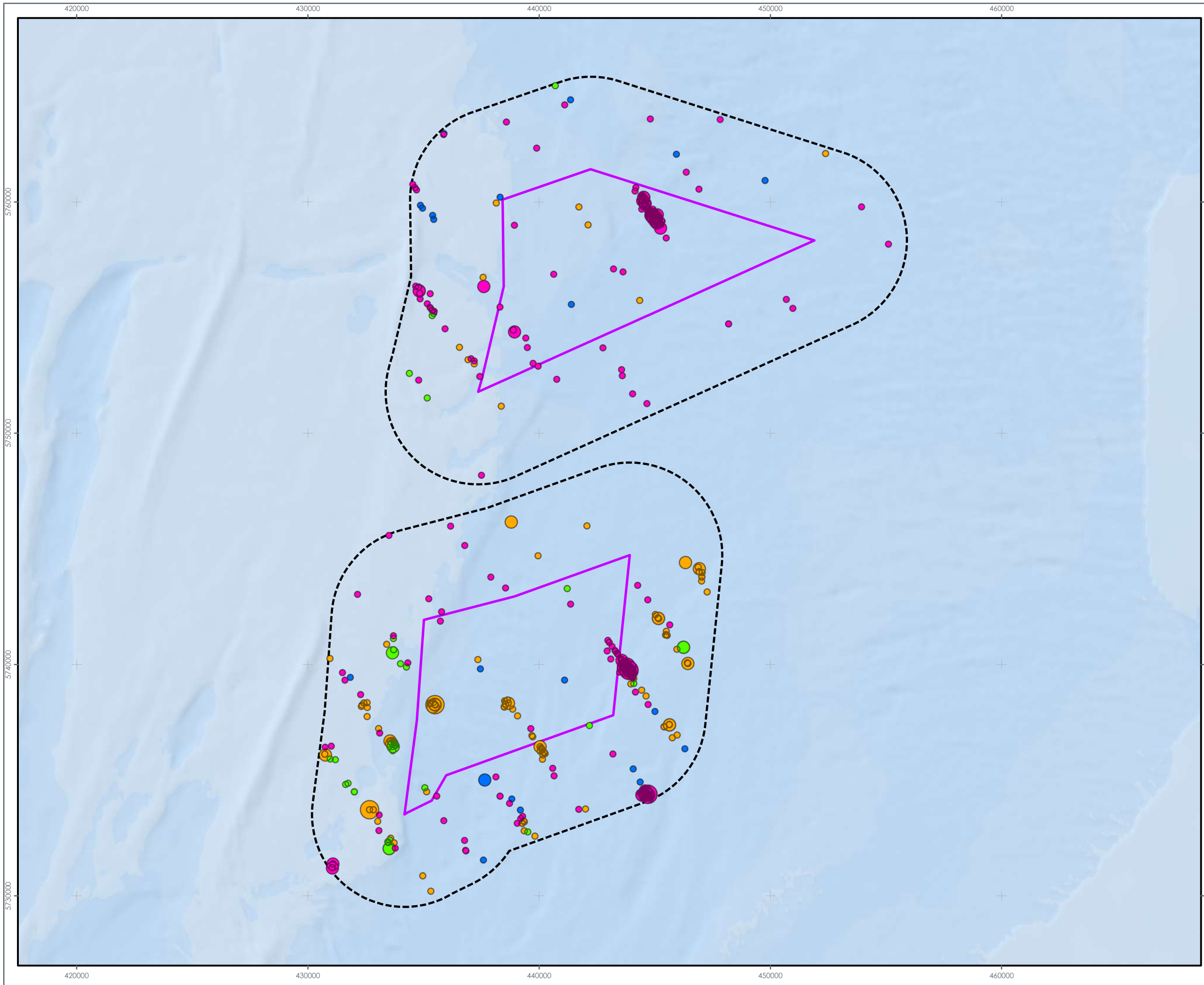
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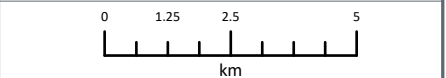
- Array Areas
- Offshore Ornithology Study Area

Lesser Black-backed Gull Observations by Season

- Spring Migration
- Breeding
- Autumn Migration
- Winter

Lesser Black-backed Gull Observations by Count

- 1
- 2 - 5
- 6 - 12



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FIVE ESTUARIES OFFSHORE WINDFARM

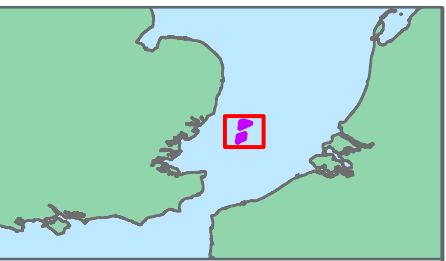
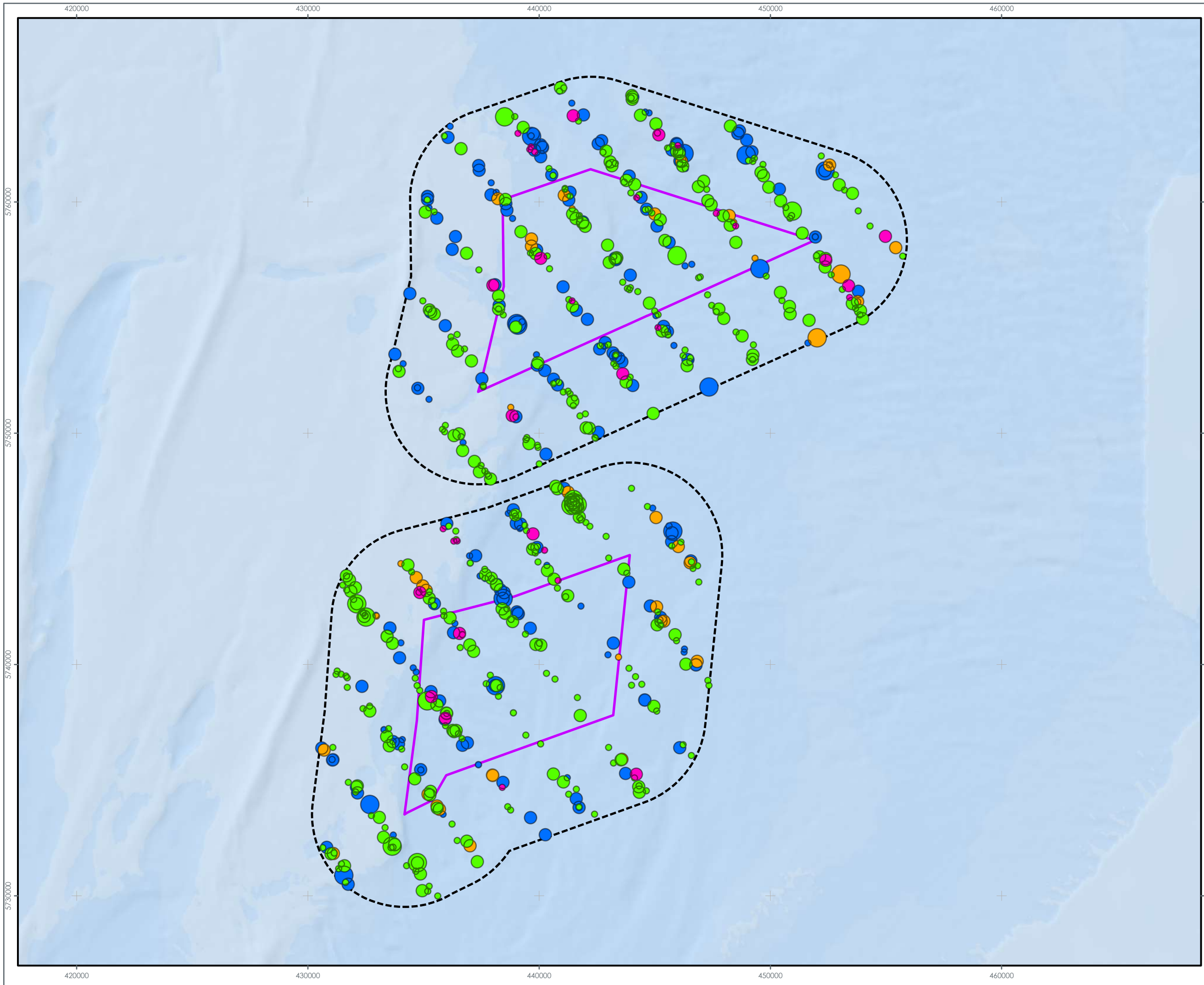
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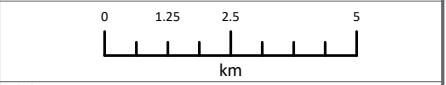
- Array Areas
- Offshore Ornithology Study Area

Razorbill Observations by Season

- Spring Migration
- Breeding
- Autumn Migration
- Winter

Razorbill Observations by Count

- 1
- 2 - 5
- 6 - 12



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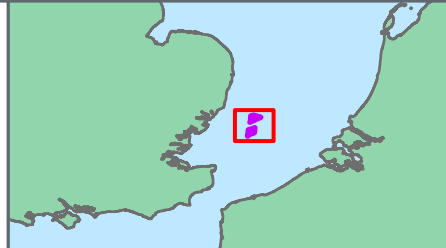
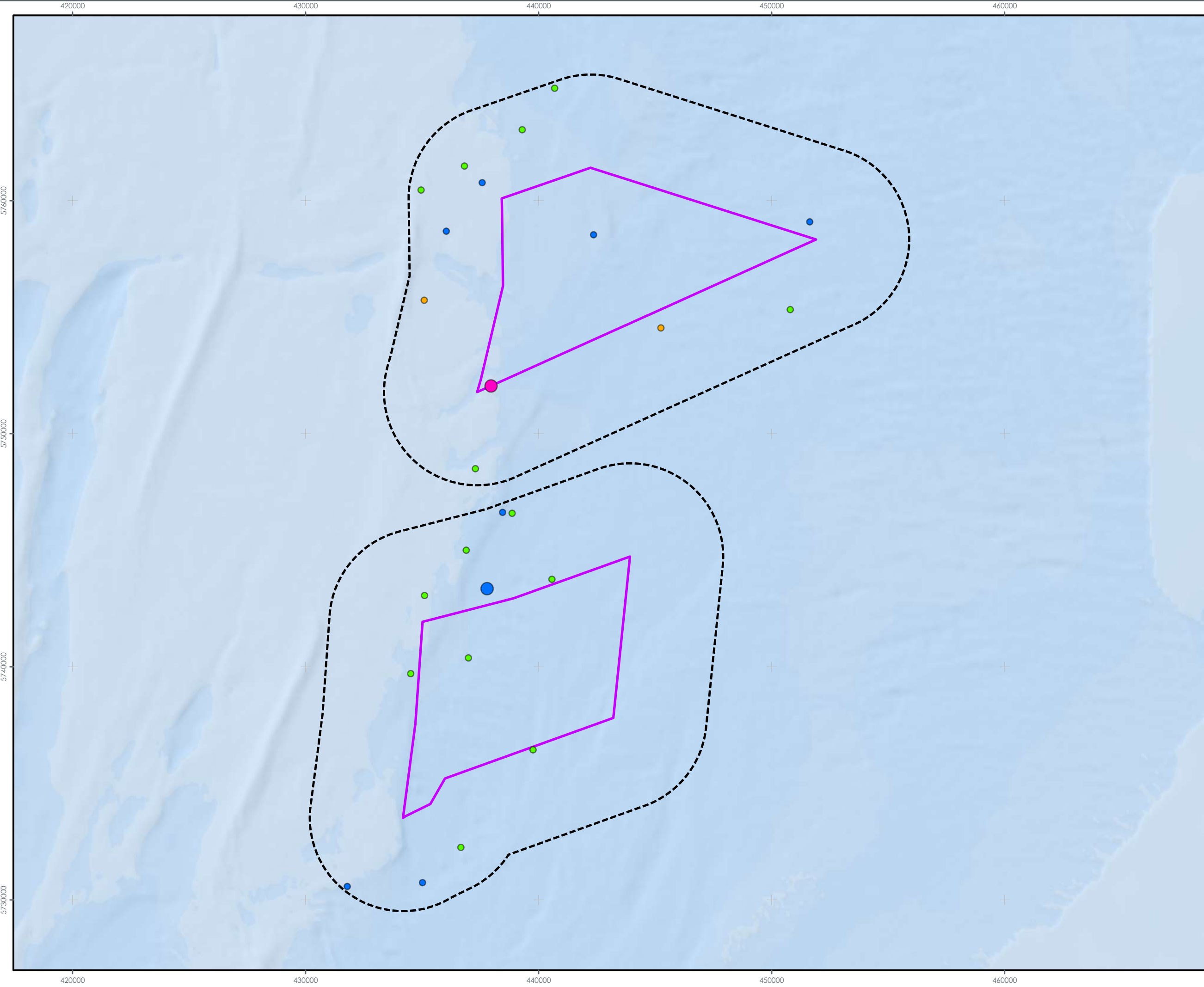
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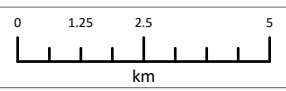
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- LEGEND**
- Array Areas
 - Offshore Ornithology Study Area
- Red-throated Diver Observations by Season
- Spring Migration
 - Breeding
 - Autumn Migration
 - Winter
- Red-throated Diver Observations by Count
- 1
 - 2 - 5



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FIVE ESTUARIES OFFSHORE WINDFARM

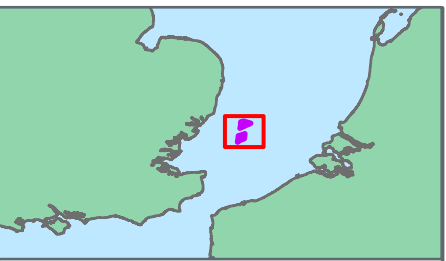
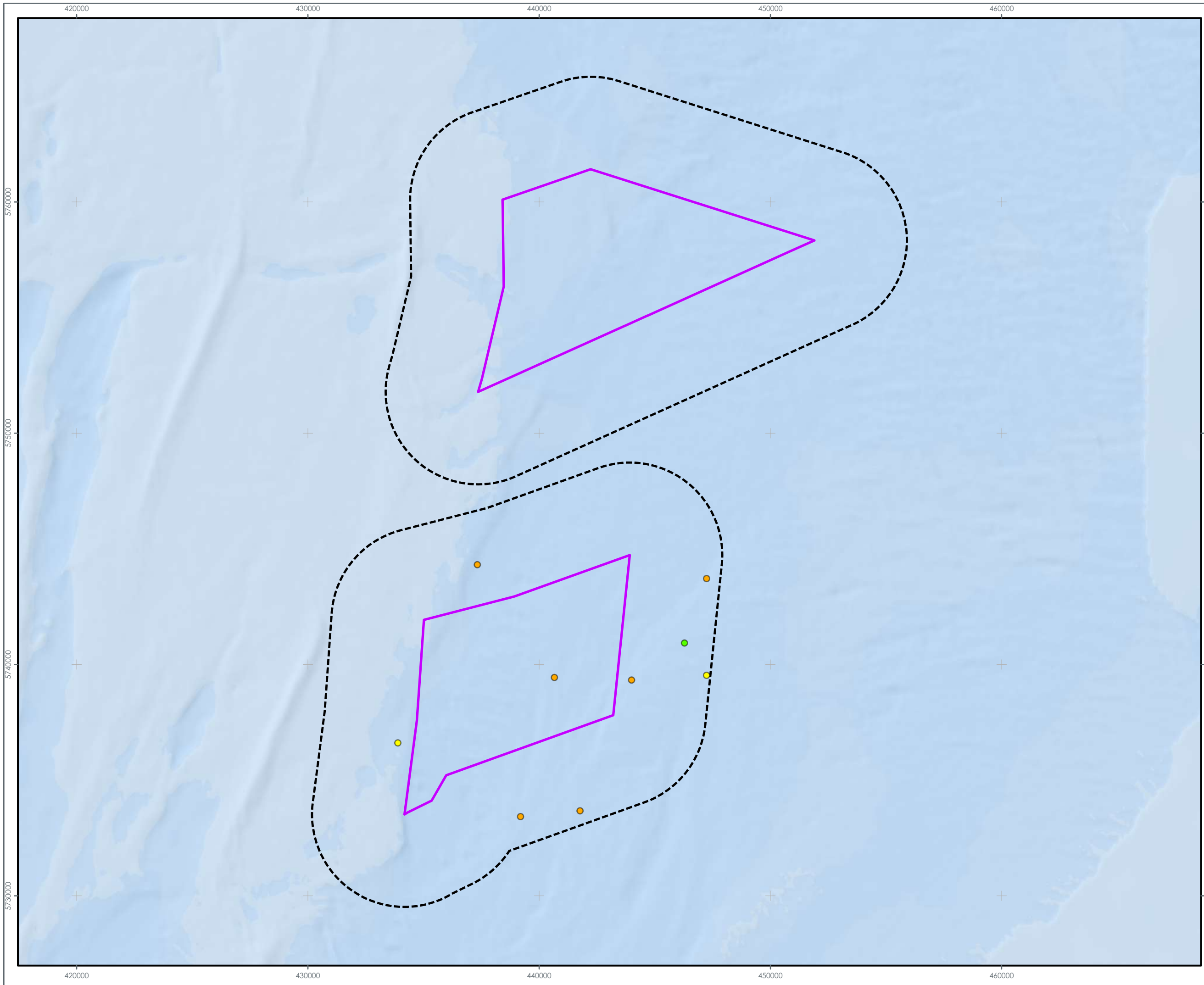
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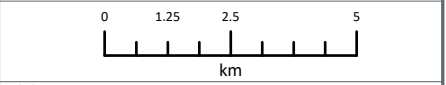
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- LEGEND**
- Array Areas
 - Offshore Ornithology Study Area
 - Arctic Skua Observations by Season
 - Autumn Migration
 - Great Skua Observations by Season
 - Spring Migration
 - Autumn Migration
 - Observations by Count
 - 1



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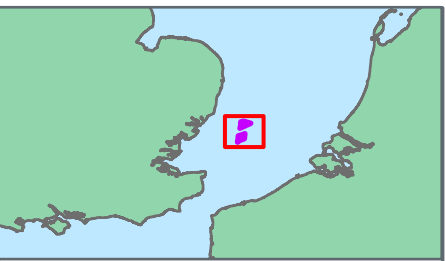
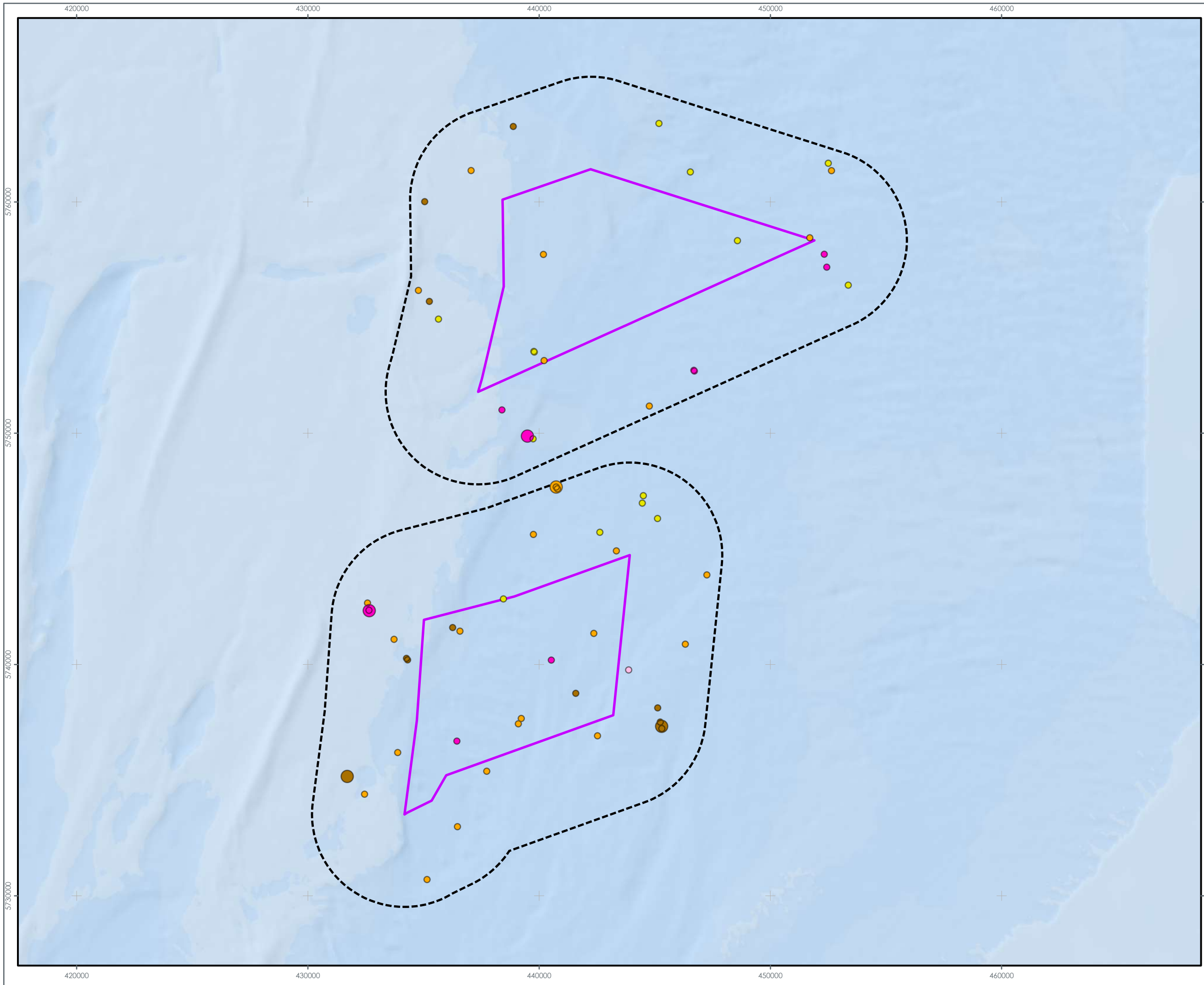
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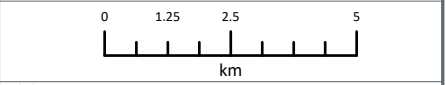
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- LEGEND**
- Array Areas
 - Offshore Ornithology Study Area
- Black-headed Gull Observations by Season**
- Breeding
 - Non-breeding
- Common Gull Observations by Season**
- Breeding
 - Non-breeding
- Little Gull Observations by Season**
- Non-breeding
- Observations by Count**
- 1
 - 2 - 5



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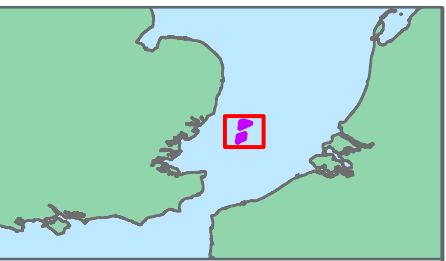
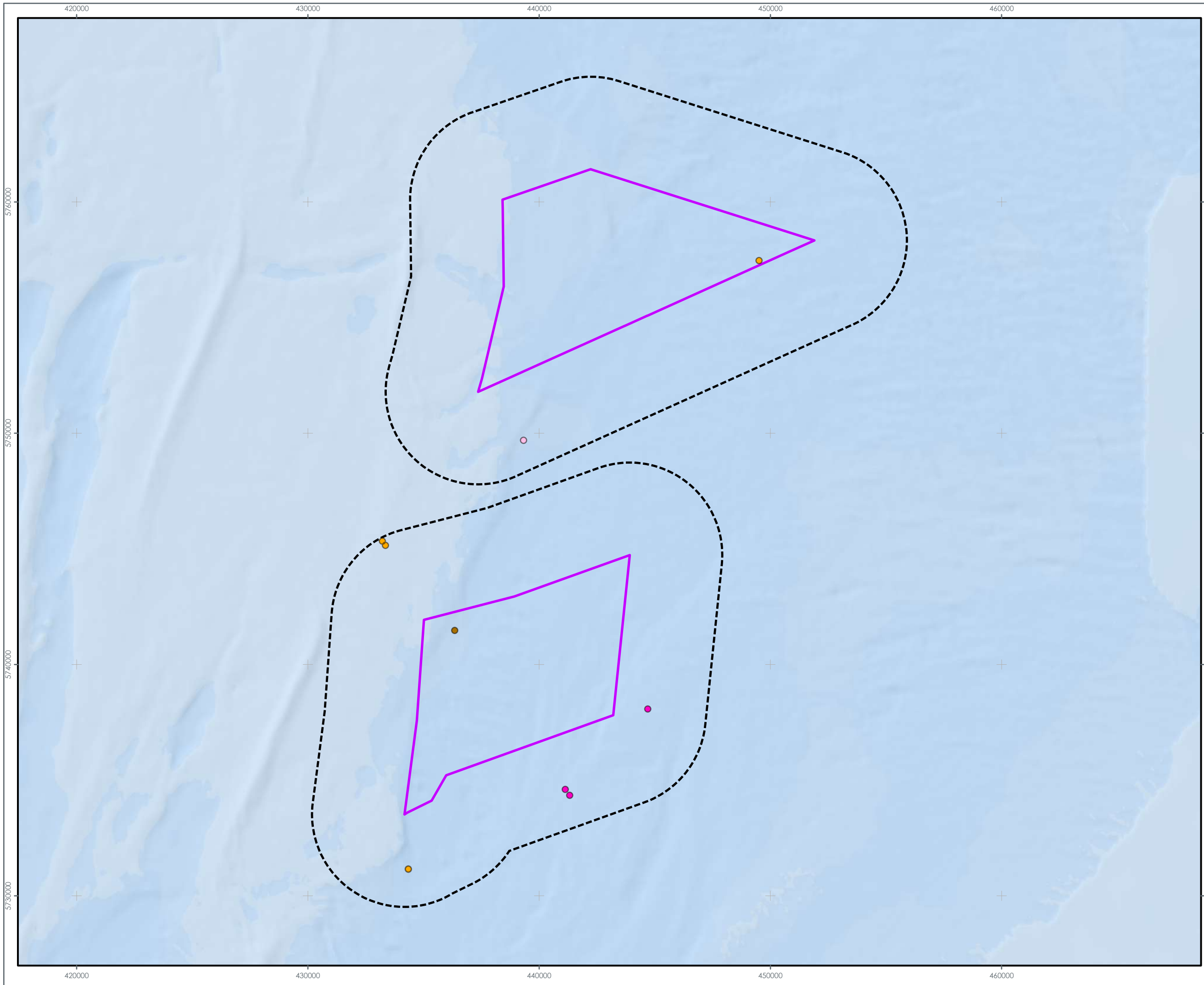
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- LEGEND**
- Array Areas
 - Offshore Ornithology Study Area
- Common Tern Observations by Season
- Breeding
 - Autumn Migration
- Sandwich Tern Observations by Season
- Breeding
 - Non-breeding
- Observations by Count
- 1



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FIVE ESTUARIES OFFSHORE WINDFARM

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 Observations: 2019 to 2021**

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Sheet No: 1 of 1
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F I V E 
ESTUARIES
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