

RWE Renewables UK Dogger Bank South (West) Limited

RWE Renewables UK Dogger Bank South (East) Limited

Dogger Bank South Offshore Wind Farms

Environmental Statement

Volume 7

Appendix 12-10 Species Distribution Figures

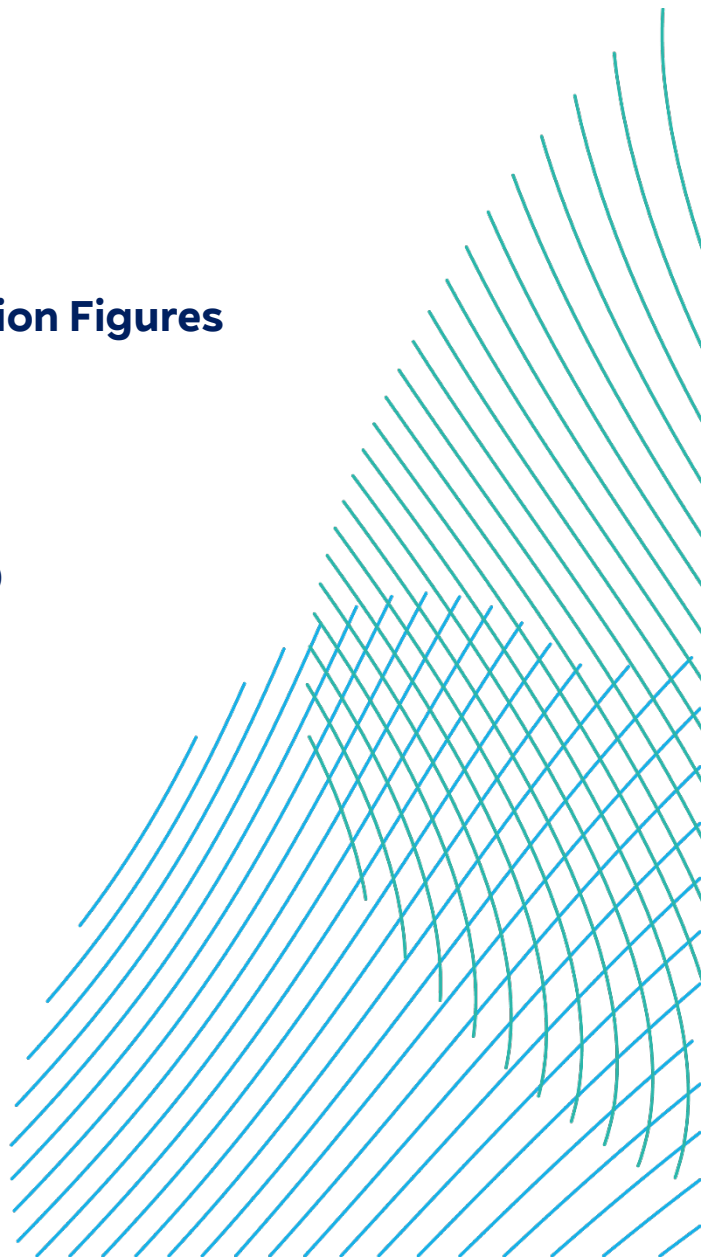
June 2024

Application Reference: 7.12.12.10

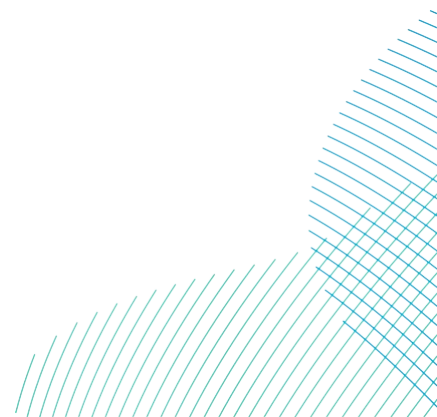
APFP Regulation: 5(2)(a)

Revision: 01

Unrestricted



Company:	RWE Renewables UK Dogger Bank South (West) Limited and RWE Renewables UK Dogger Bank South (East) Limited	Asset:	Development		
Project:	Dogger Bank South Offshore Wind Farms	Sub Project/Package:	Consents		
Document Title or Description:	Environmental Statement – Appendix 12-10 Species Distribution Figures				
Document Number:	004300153-01	Contractor Reference Number:	PC2340-MAC-OF-ZZ-AX-Z-0098		
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Rev No.	Date	Status/Reason for Issue	Author	Checked by	Approved by
01	June 2024	Final for DCO Application	MacArthur Green	RWE	RWE



Dogger Bank South Offshore Windfarm

Ornithology Technical Appendix 12-10 Species Distributions

Date: 19/01/2024

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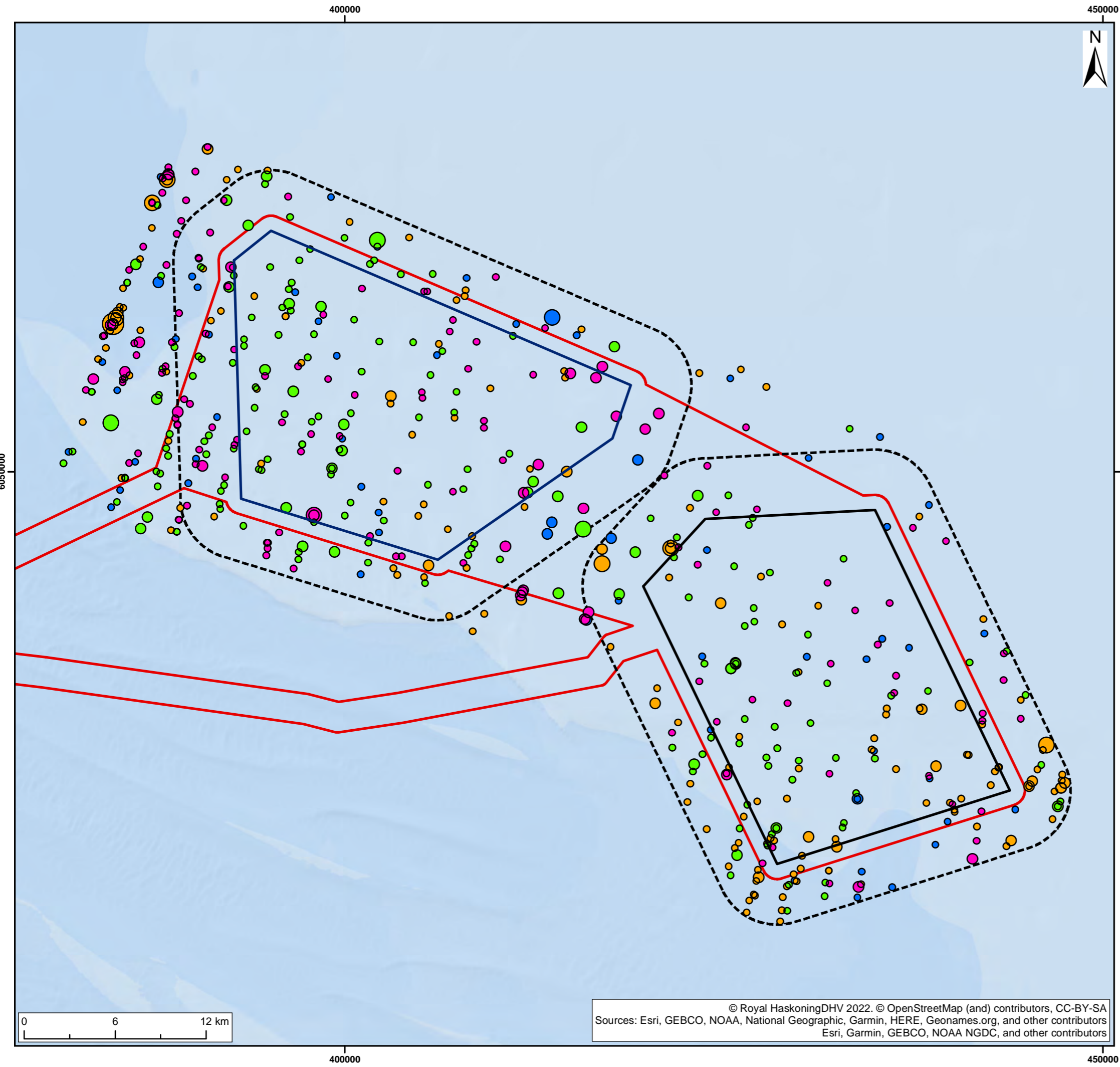
Address: 93 South Woodside Road | Glasgow | G20 6NT

Document Quality Record

Version	Status	Person Responsible	Date
0.1	Draft	Lindsay Fergusson	19/01/2024
0.2	Reviewed	Dr Mark Trinder	22/01/2024
0.3	Updated		
1	Internal Approval		

MacArthur Green is helping to combat the climate crisis through working within a carbon negative business model. Read more at www.macarthurgreen.com.





Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Fulmar Observations by Season

- Breeding
- Spring Migration
- Autumn Migration
- Winter

Fulmar Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 25

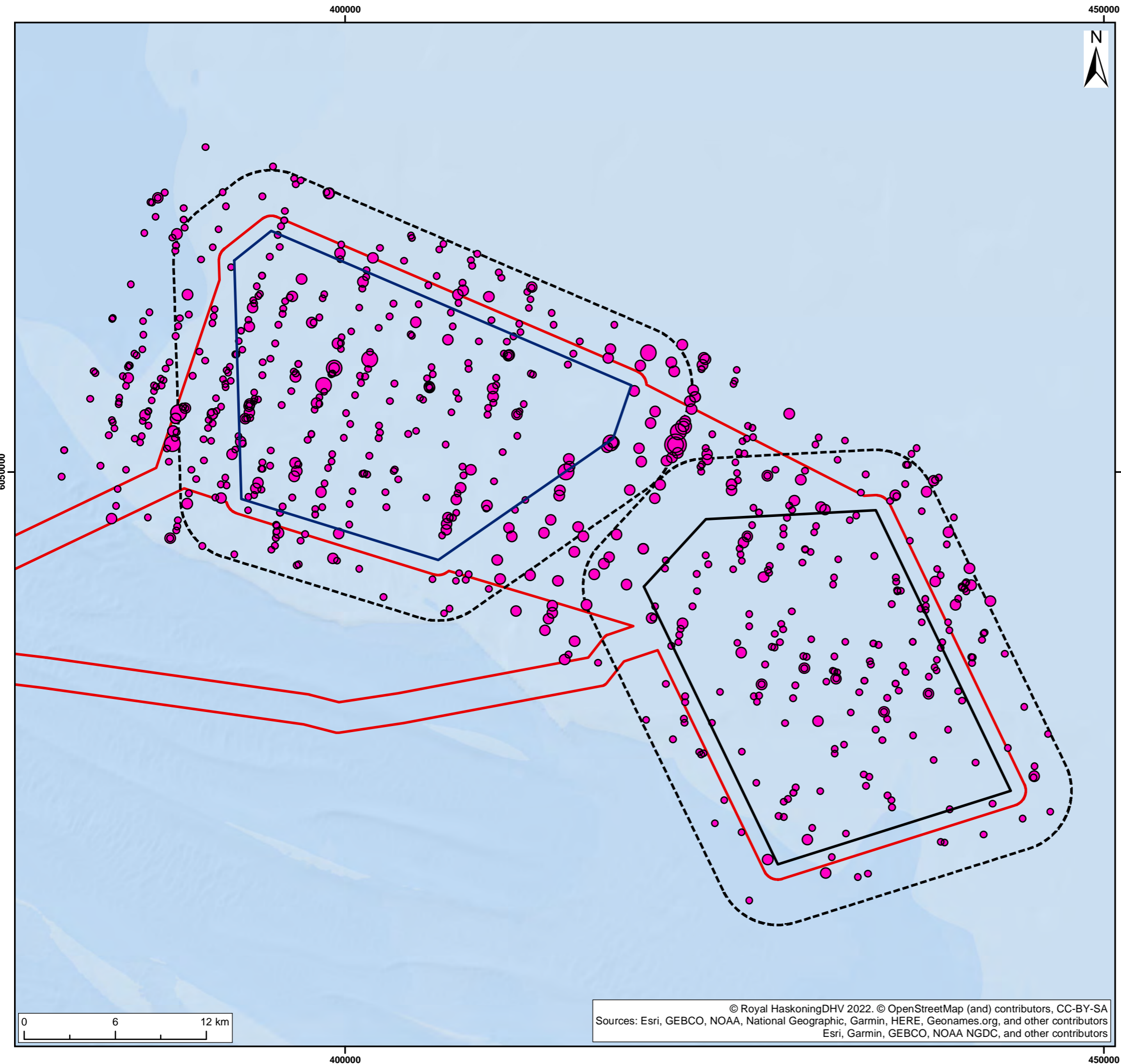
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S2	P01	13/02/2024	Second Issue: ES	LNF	SR	MT
S2	P00	18/01/2024	First Issue: ES	LNF	MT	MT

Title:
Fulmar Observations: 2021 - 2023

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Project: RWE Round 4 EIA: Dogger Bank South	Report: Dogger Bank South: Environmental Statement	

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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Gannet Observations by Season

- Breeding

Gannet Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 20

SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR
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S2	P01	13/02/2024	Second Issue: ES	LNF	SR	MT
S2	P00	18/01/2024	First Issue: ES	LNF	MT	MT

Title:
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 2021 - 2023**

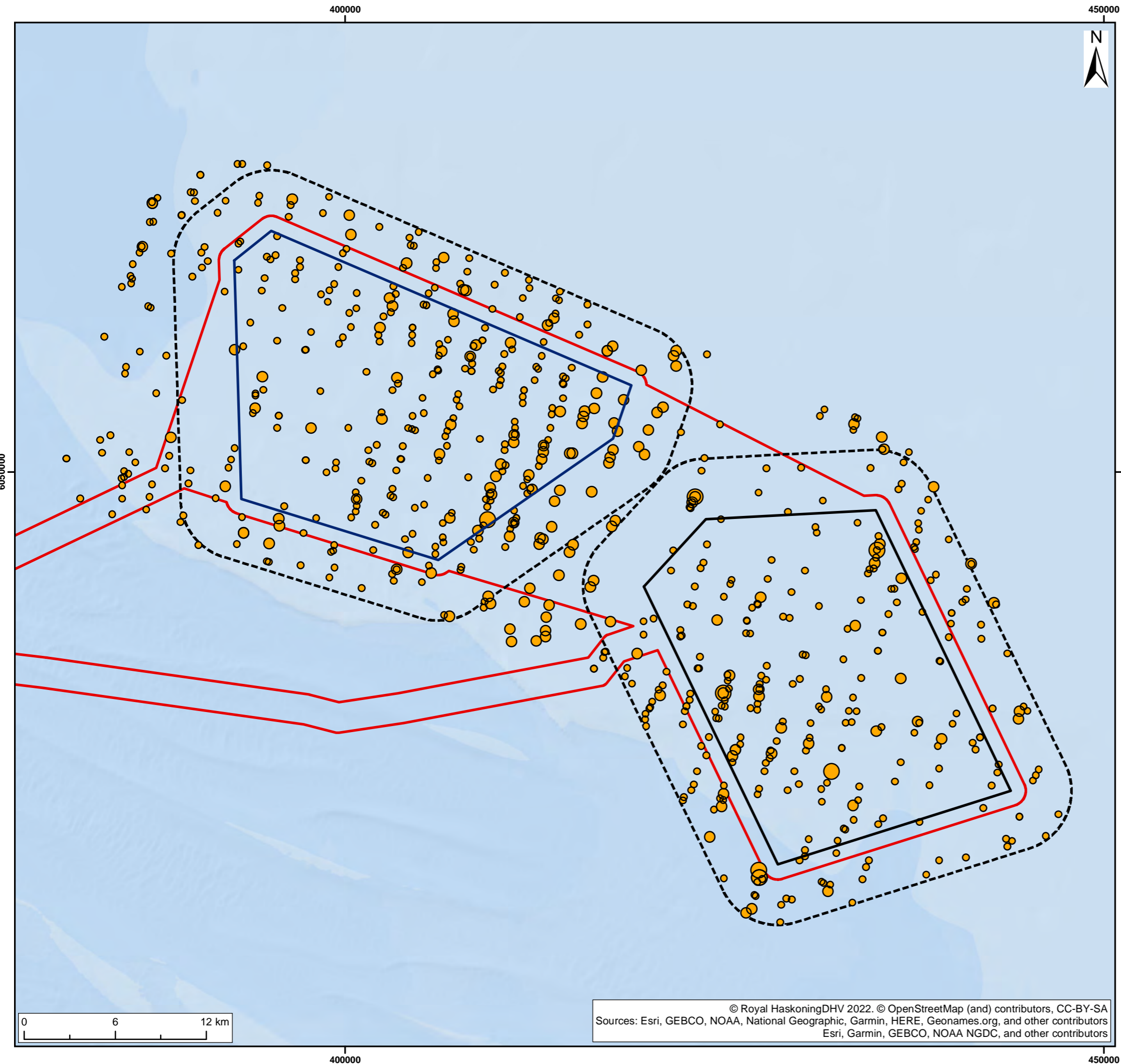
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Gannet Observations by Season

- Autumn Migration

Gannet Observations by Count

- 1
- 2 - 5
- 6 - 12

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 2021 - 2023**

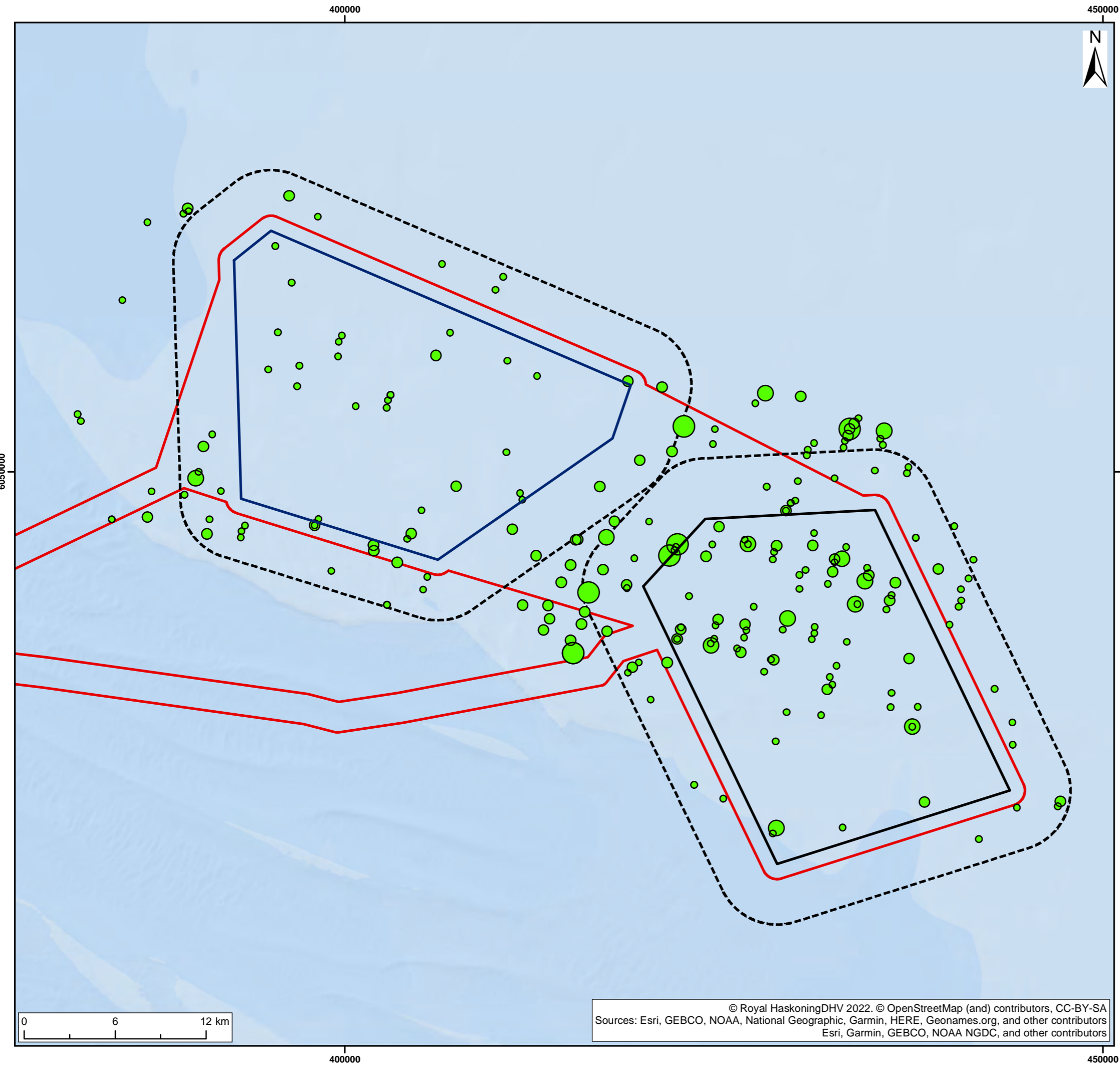
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Gannet Observations by Season

- Spring Migration

Gannet Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 80

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 2021 - 2023**

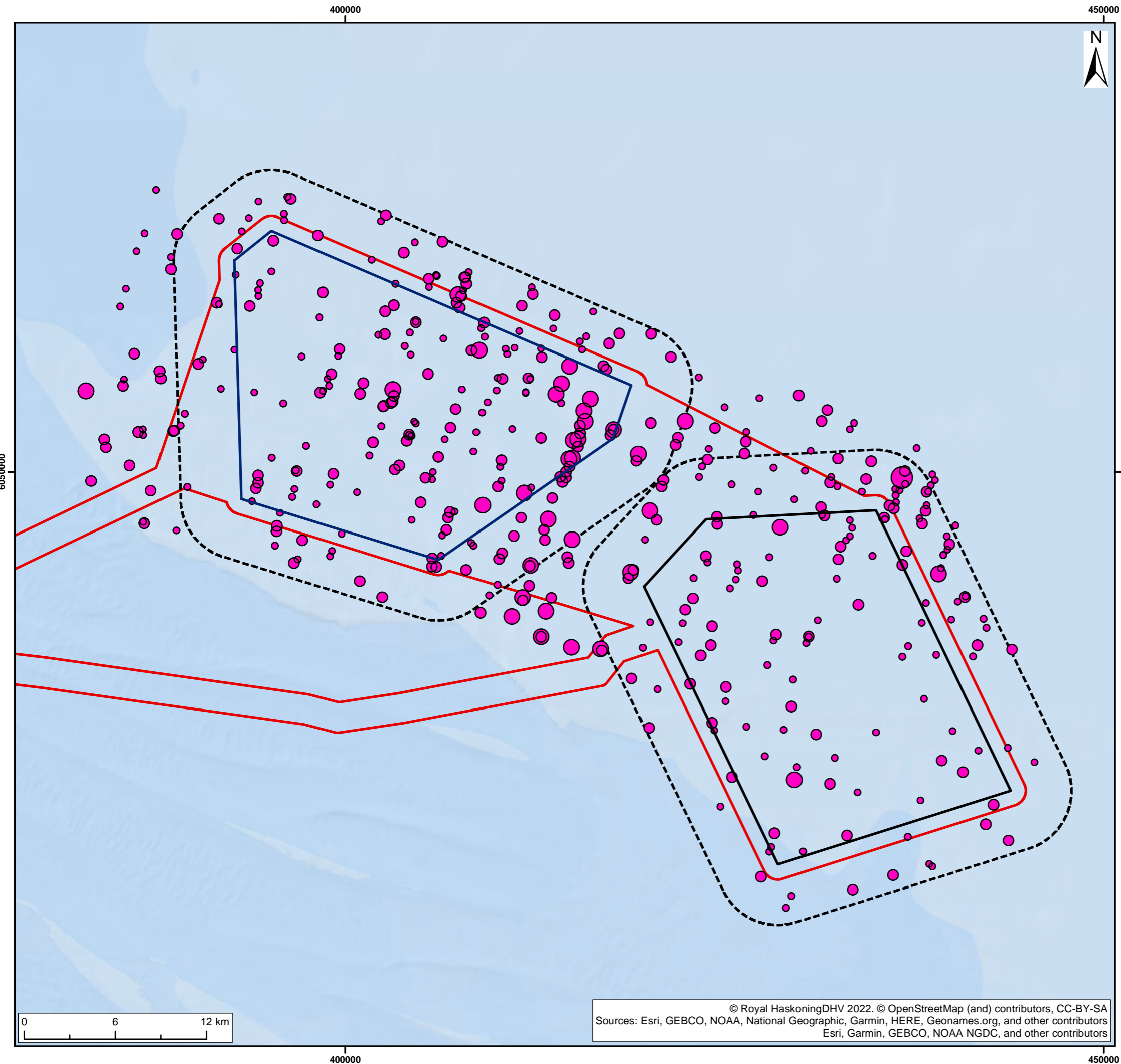
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Razorbill Observations by Season

- Breeding

Razorbill Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 29

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 2021 - 2023**

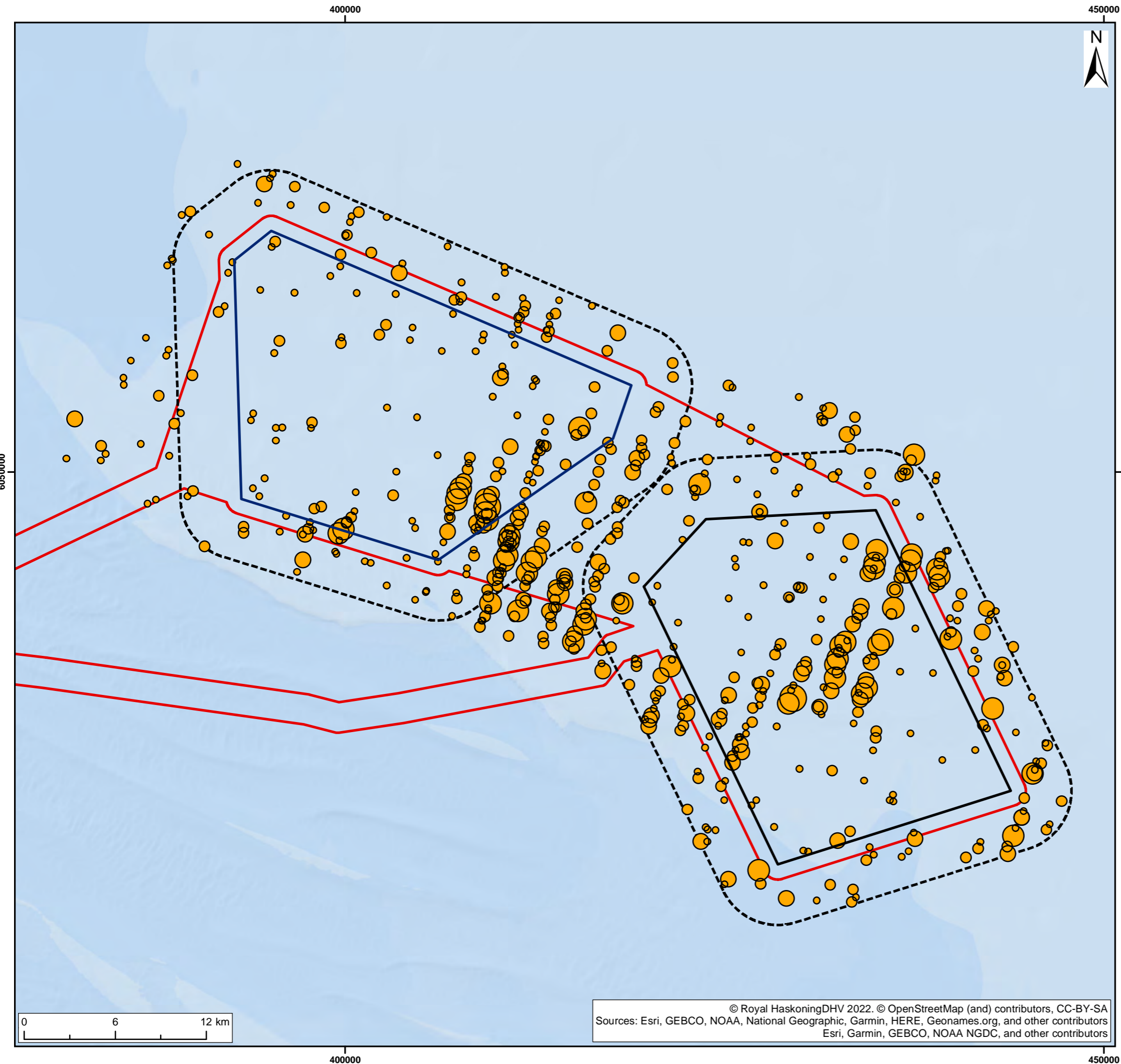
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Razorbill Observations by Season

- Autumn Migration

Razorbill Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 150
- 151 - 292

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 2021 - 2023**

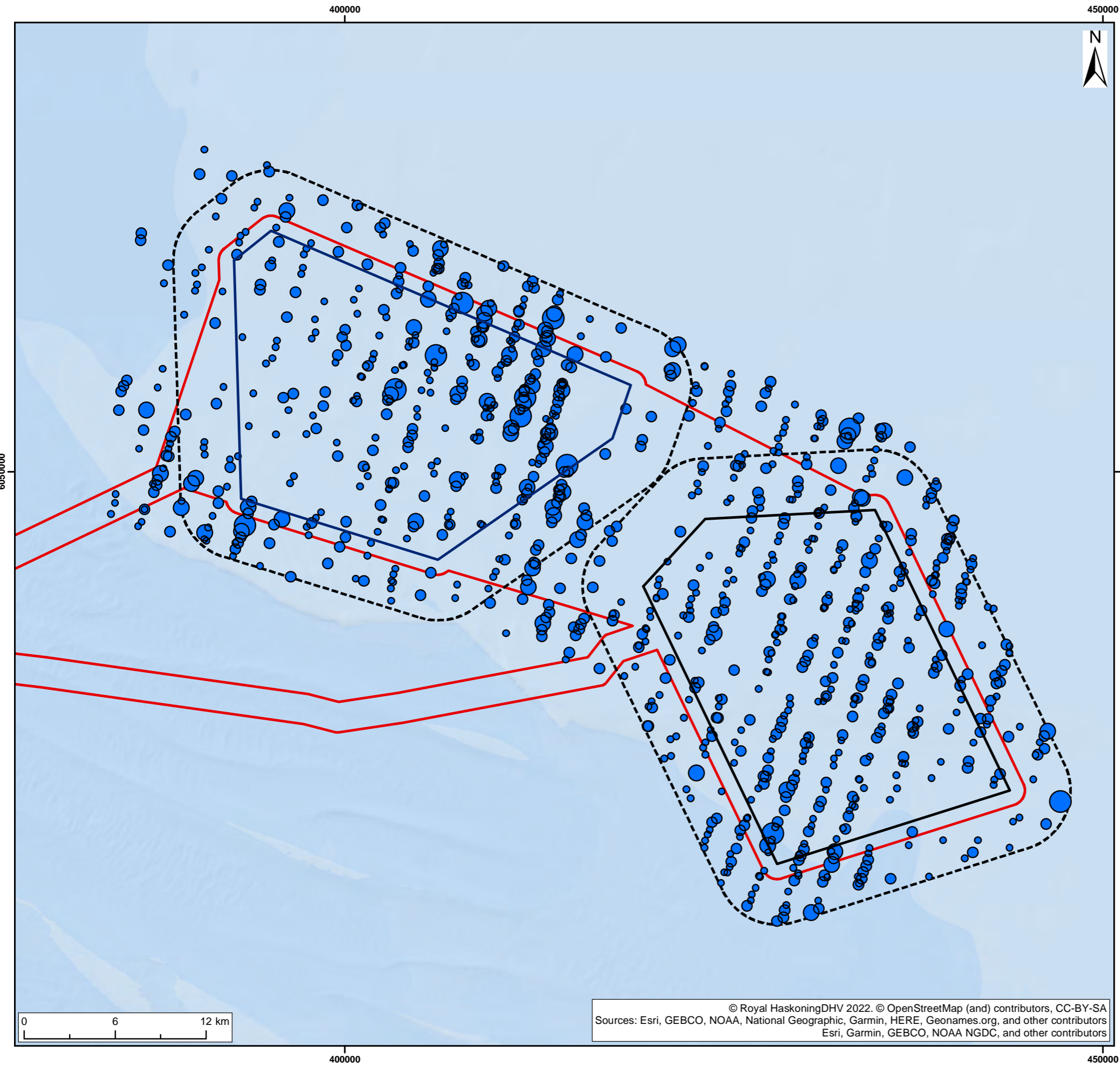
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Razorbill Observations by Season

- Winter

Razorbill Observations by Count

- 1
- 2 - 5
- 6 - 12
- 16 - 31

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 2021 - 2023

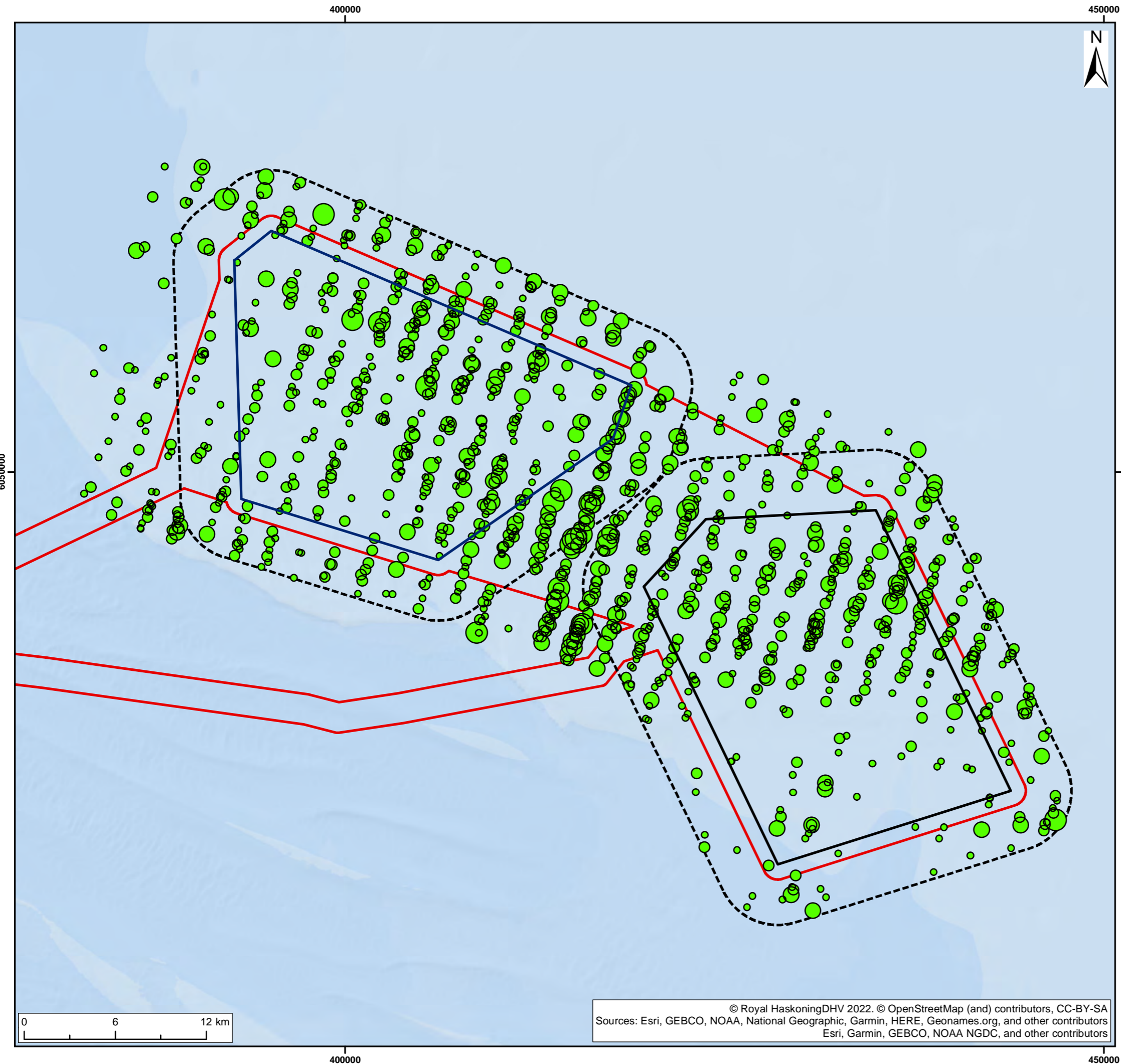
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Co-ordinate system: WGS 1984 UTM Zone 31N Page Size: A3 Scale: 1:250,000

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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Razorbill Observations by Season

- Spring Migration

Razorbill Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 112

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Title:
**Razorbill Observations: Spring Migration
 2021 - 2023**

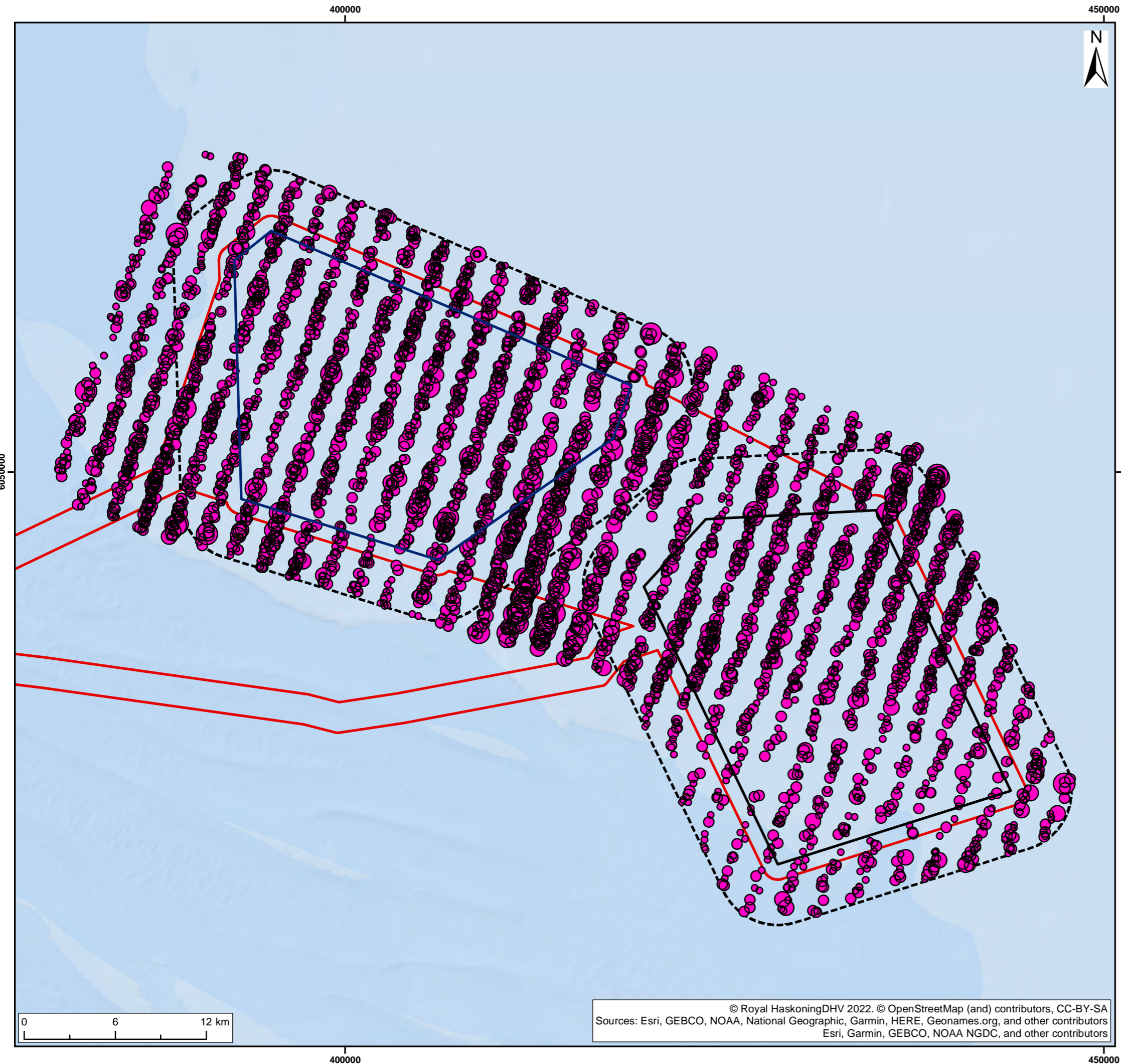
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Guillemot Observations by Season

- Breeding

Guillemot Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 128

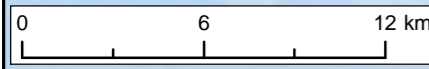
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Title:
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 2021 - 2023

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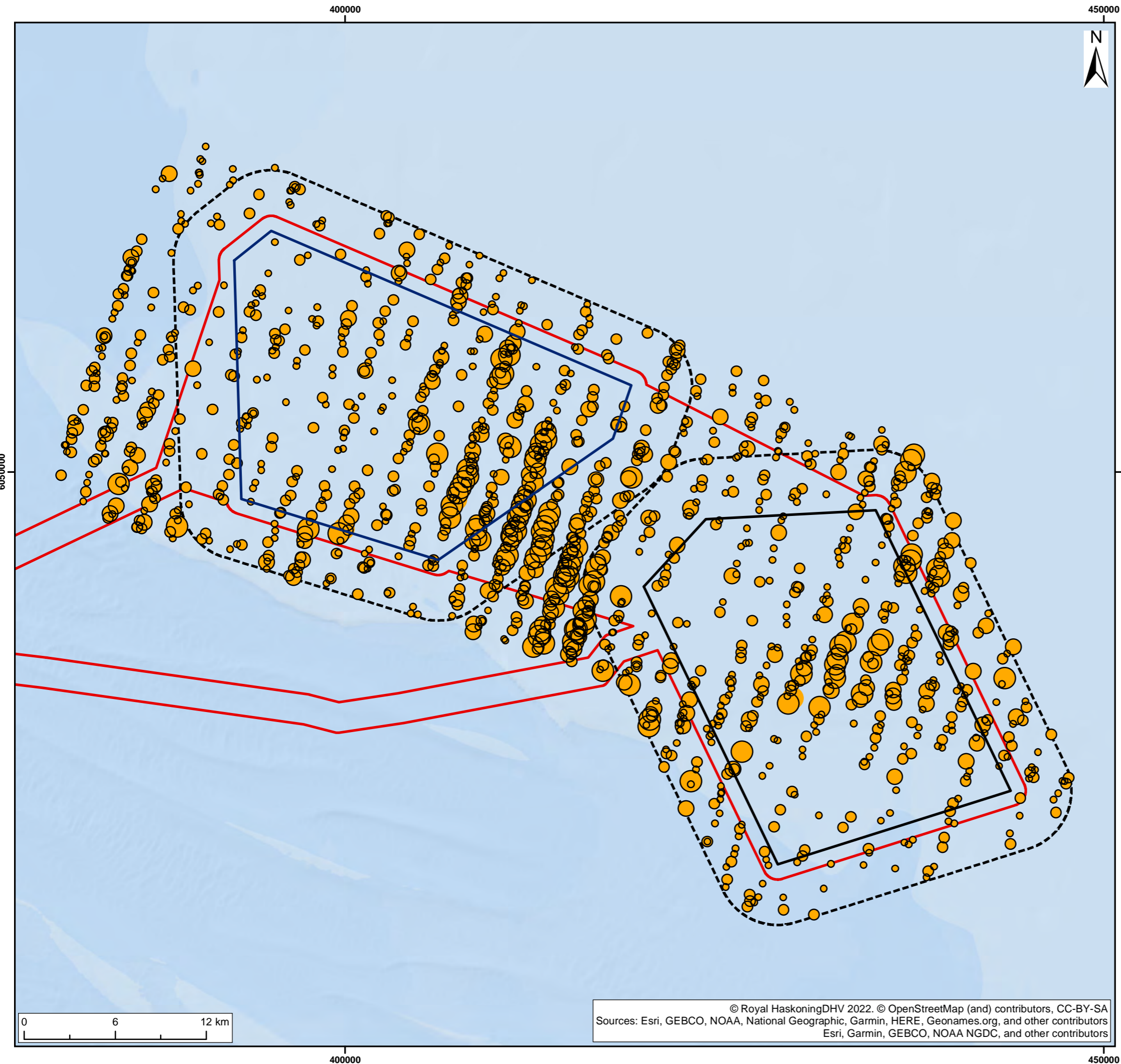
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Guillemot Observations by Season

- Post-breeding

Guillemot Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 156

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Title:
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 2021 - 2023**

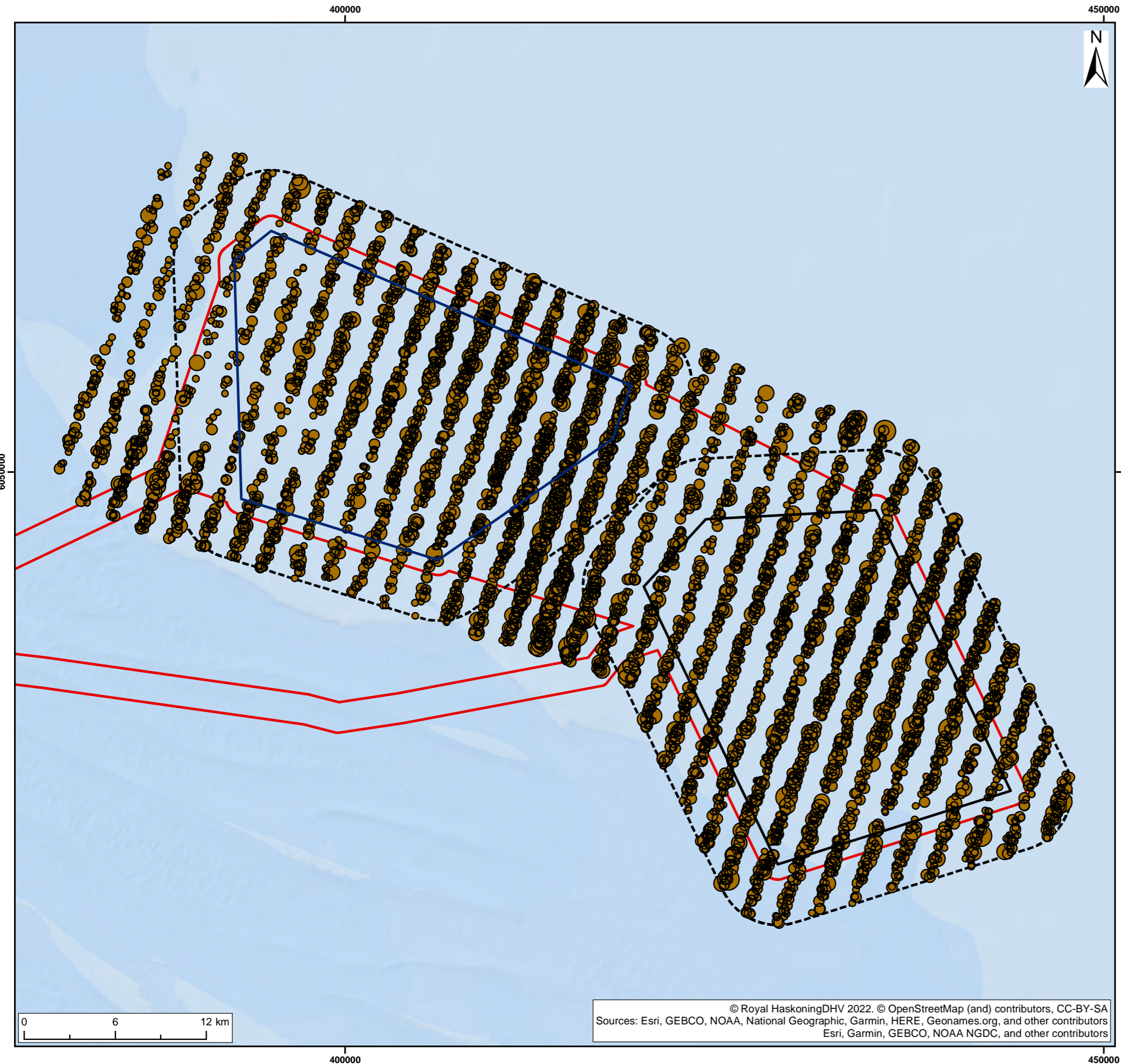
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Guillemot Observations by Season

- Non-breeding

Guillemot Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 156

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Title:
 Guillemot Observations: Non-breeding
 2021 - 2023

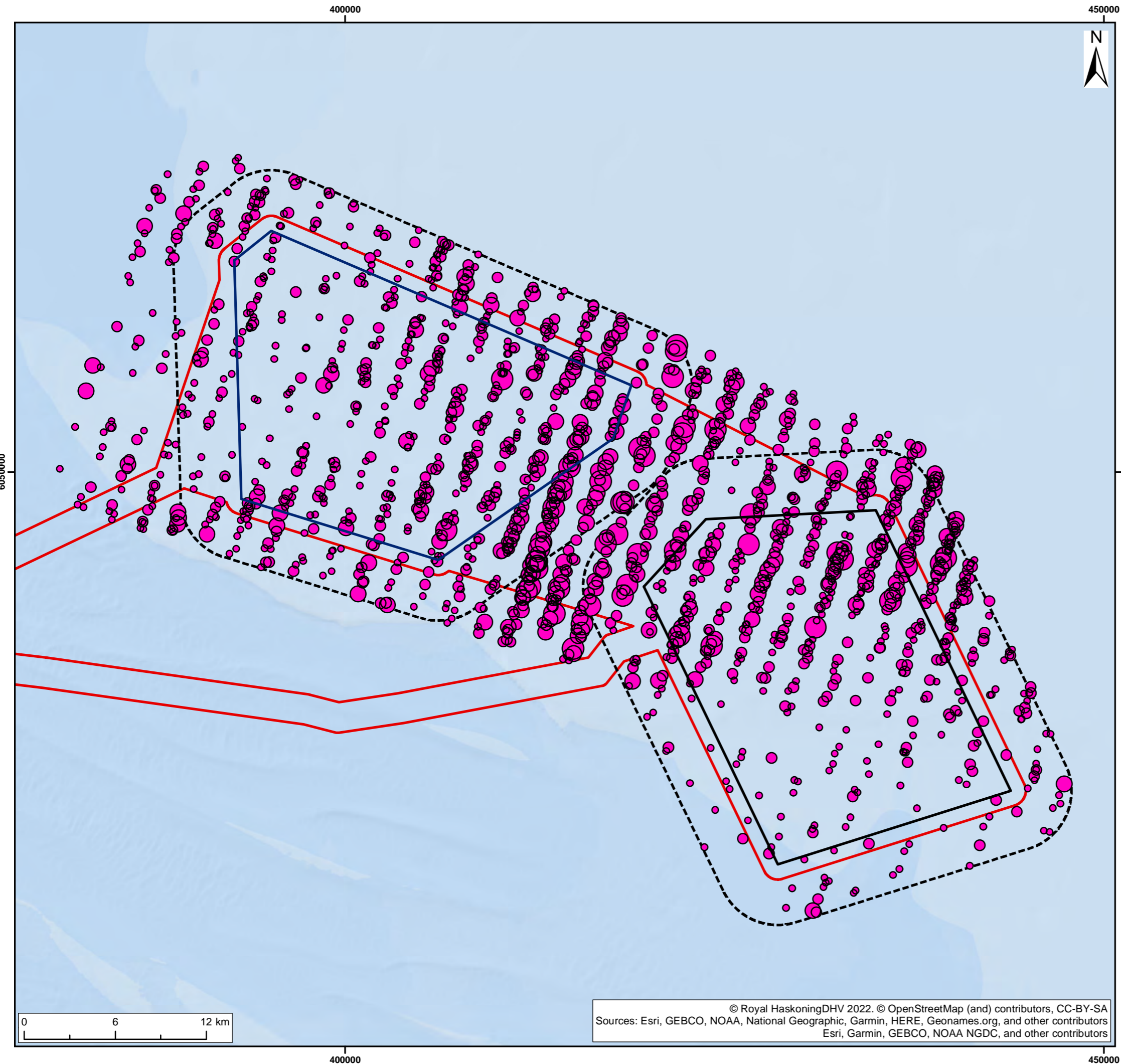
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Guillemot/Razorbill Observations by Season

- Breeding

Guillemot/Razorbill Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 96

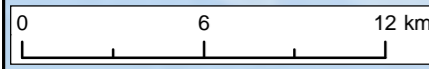
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Title:
 Guillemot/Razorbill Observations: Breeding
 2021 - 2023

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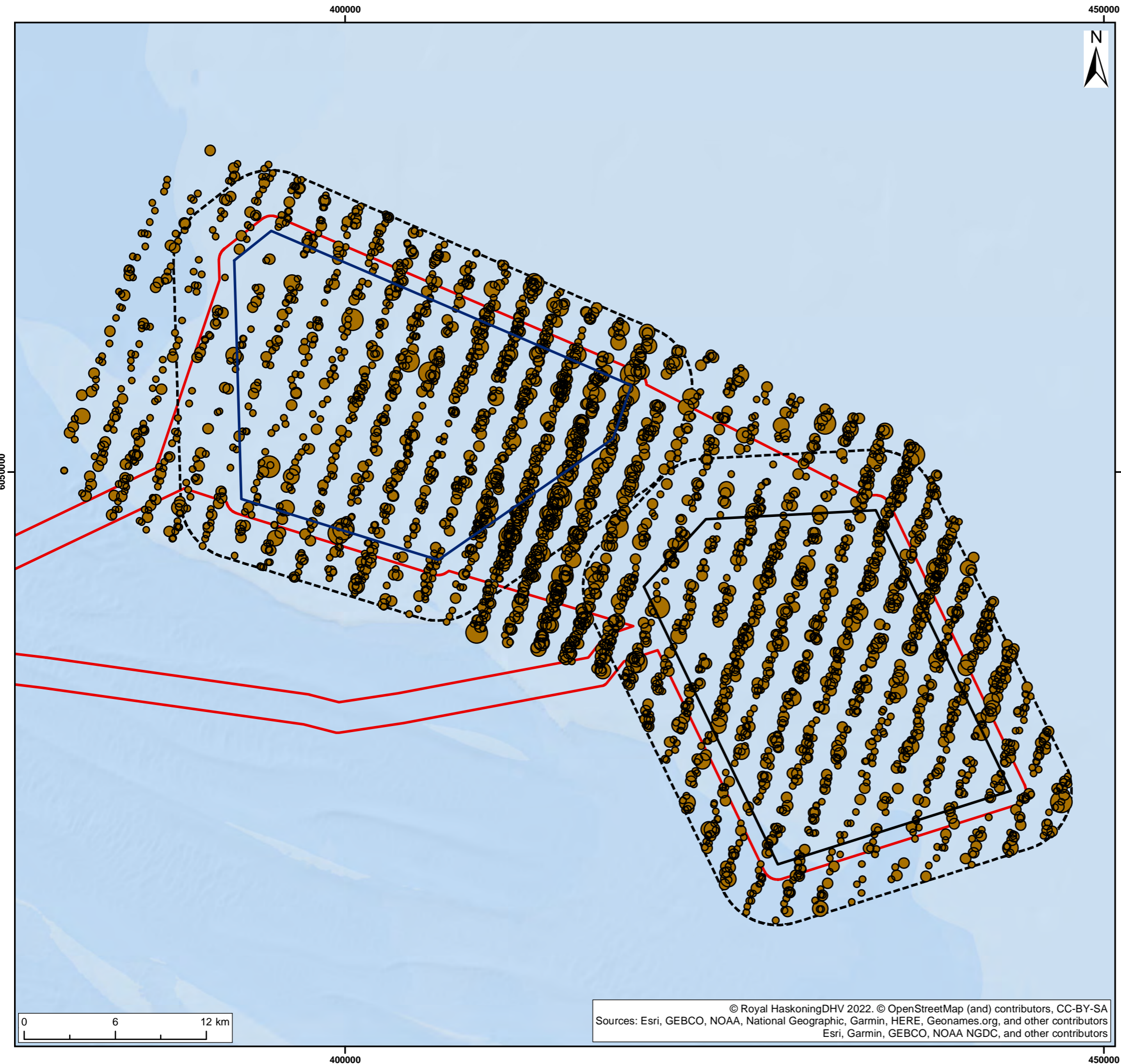
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Guillemot/Razorbill Observations by Season

- Non-breeding

Guillemot/Razorbill Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 93

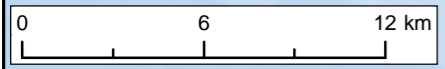
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S2	P00	18/01/2024	First Issue: ES	LNF	MT	MT

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 Guillemot/Razorbill Observations: Non-breeding
 2021 - 2023

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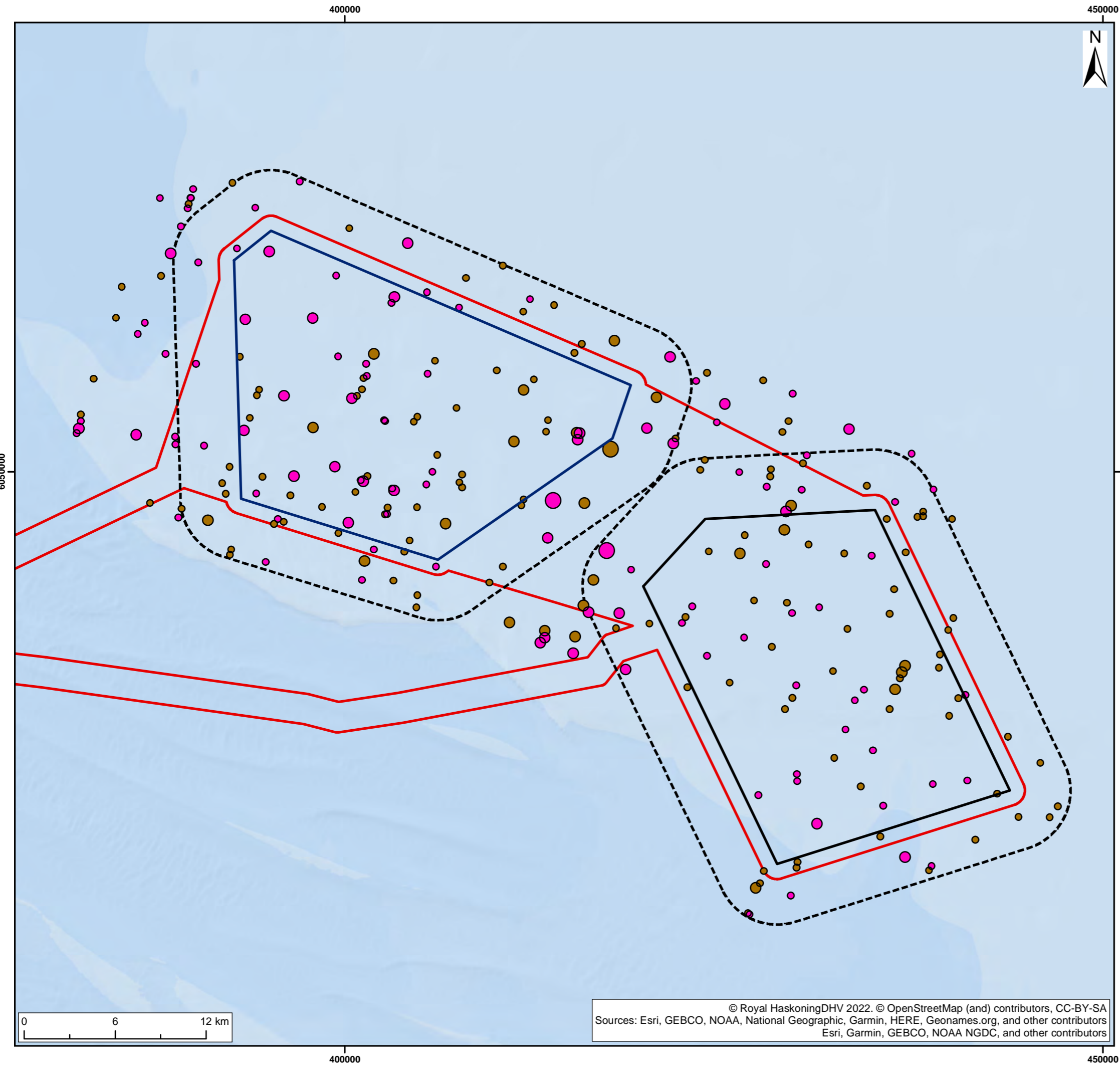
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Puffin Observations by Season

- Breeding
- Non-breeding

Puffin Observations by Count

- 1
- 2 - 5
- 6 - 8

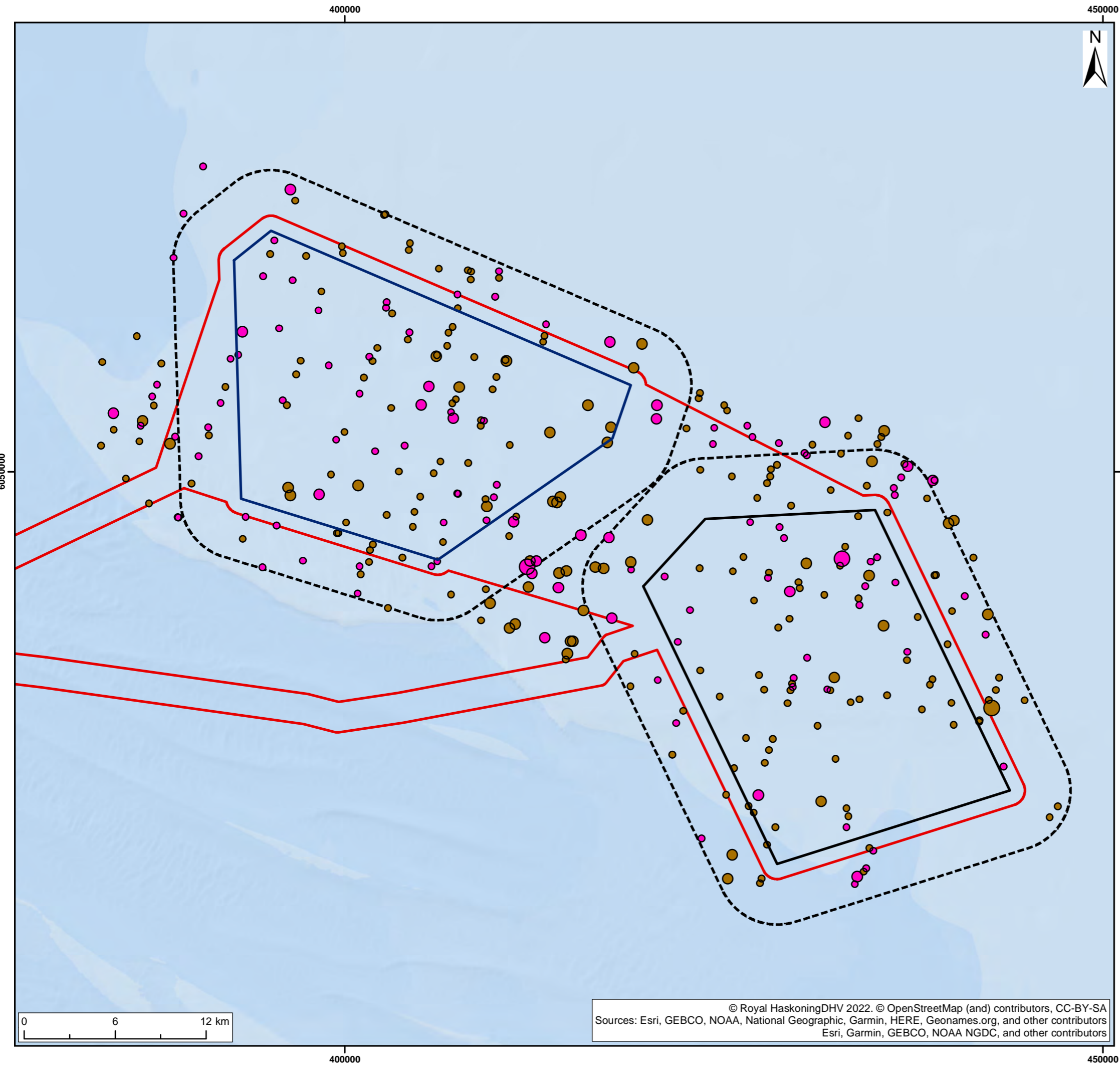
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Title:
Puffin Observations: 2021 - 2023

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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Auk Species Observations by Season

- Breeding
- Non-breeding

Auk Species Observations by Count

- 1
- 2 - 5
- 6 - 13

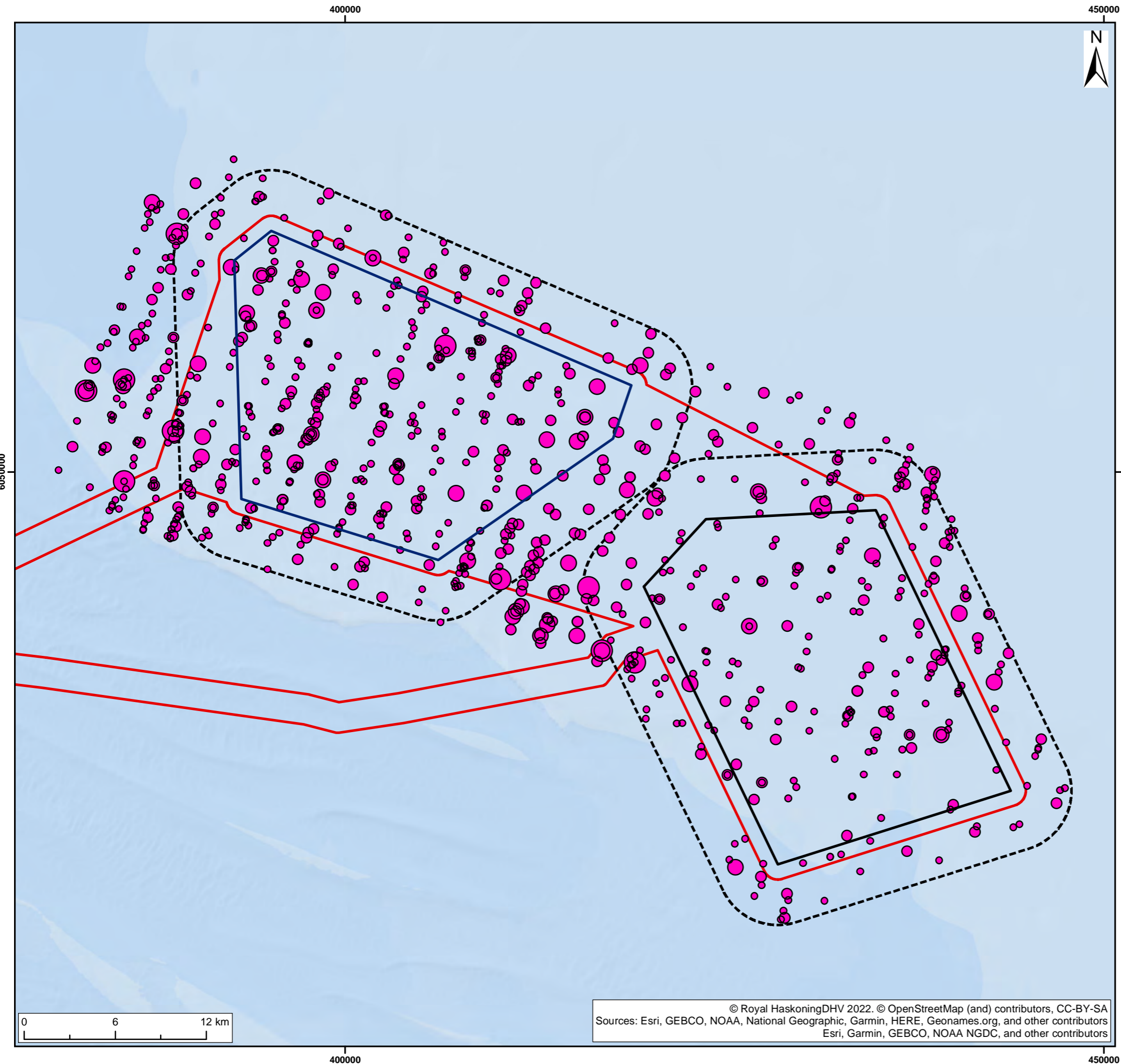
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Title:
Auk Species Observations: 2021 - 2023

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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Kittiwake Observations by Season

- Breeding

Kittiwake Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 81

SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR
S2	P02	27/03/2024	Third Issue: ES	LNF	MMM	MT
S2	P01	13/02/2024	Second Issue: ES	LNF	SR	MT
S2	P00	18/01/2024	First Issue: ES	LNF	MT	MT

Title:
**Kittiwake Observations: Breeding
 2021 - 2023**

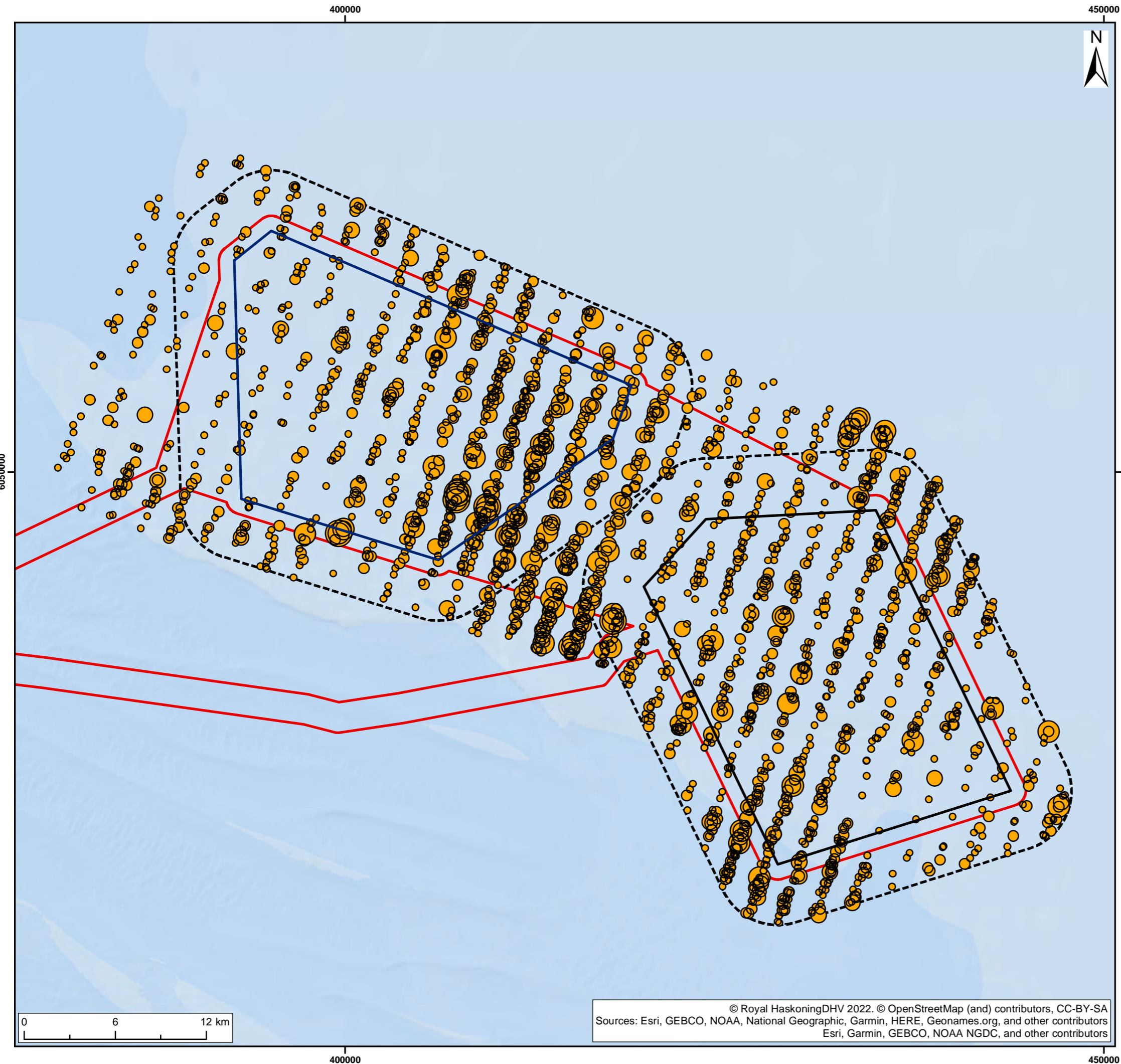
Figure: 12-10-8a Drawing No: PC2340-MAC-OF-DB-DR-Z-0017-KI

Co-ordinate system: WGS 1984 UTM Zone 31N Page Size: A3 Scale: 1:250,000

Project: RWE Round 4 EIA: Dogger Bank South Report: Dogger Bank South: Environmental Statement

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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Kittiwake Observations by Season

- Autumn Migration

Kittiwake Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 150
- 151 - 577

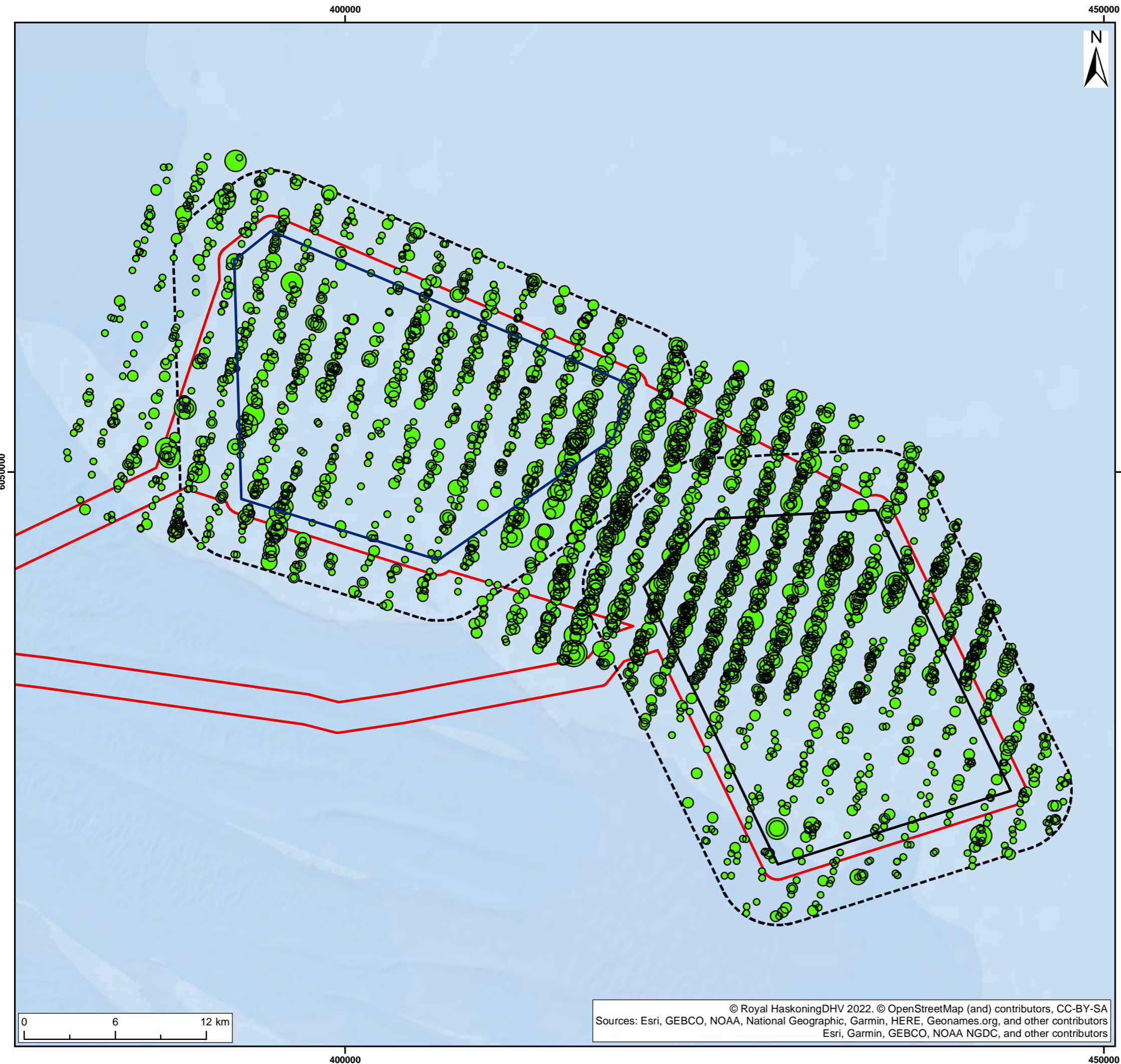
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S2	P00	18/01/2024	First Issue: ES	LNF	MT	MT

Title:
**Kittiwake Observations: Autumn Migration
 2021 - 2023**

Figure:12-10-8b	Drawing No:	PC2340-MAC-OF-DB-DR-Z-0018-KI
Co-ordinate system: WGS 1984 UTM Zone 31N	Page Size: A3	Scale: 1:250,000
Project: RWE Round 4 EIA: Dogger Bank South	Report: Dogger Bank South: Environmental Statement	

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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Kittiwake Observations by Season

- Spring Migration

Kittiwake Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 150
- 151 - 256

SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR
S2	P02	27/03/2024	Third Issue: ES	LNF	MMM	MT
S2	P01	13/02/2024	Second Issue: ES	LNF	SR	MT
S2	P00	18/01/2024	First Issue: ES	LNF	MT	MT

Title:
**Kittiwake Observations: Spring Migration
 2021 - 2023**

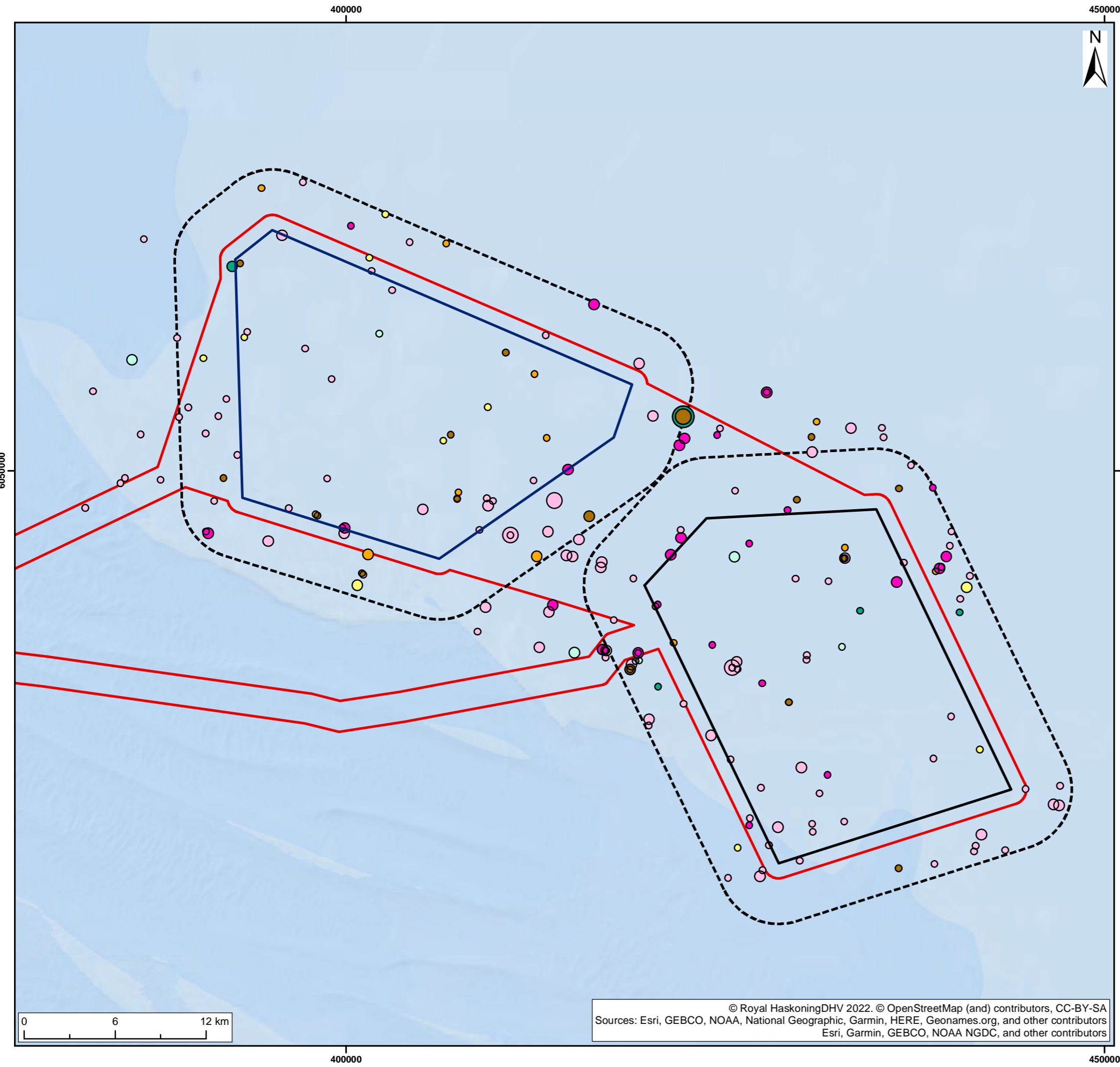
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Co-ordinate system: WGS 1984 UTM Zone 31N Page Size: A3 Scale: 1:250,000

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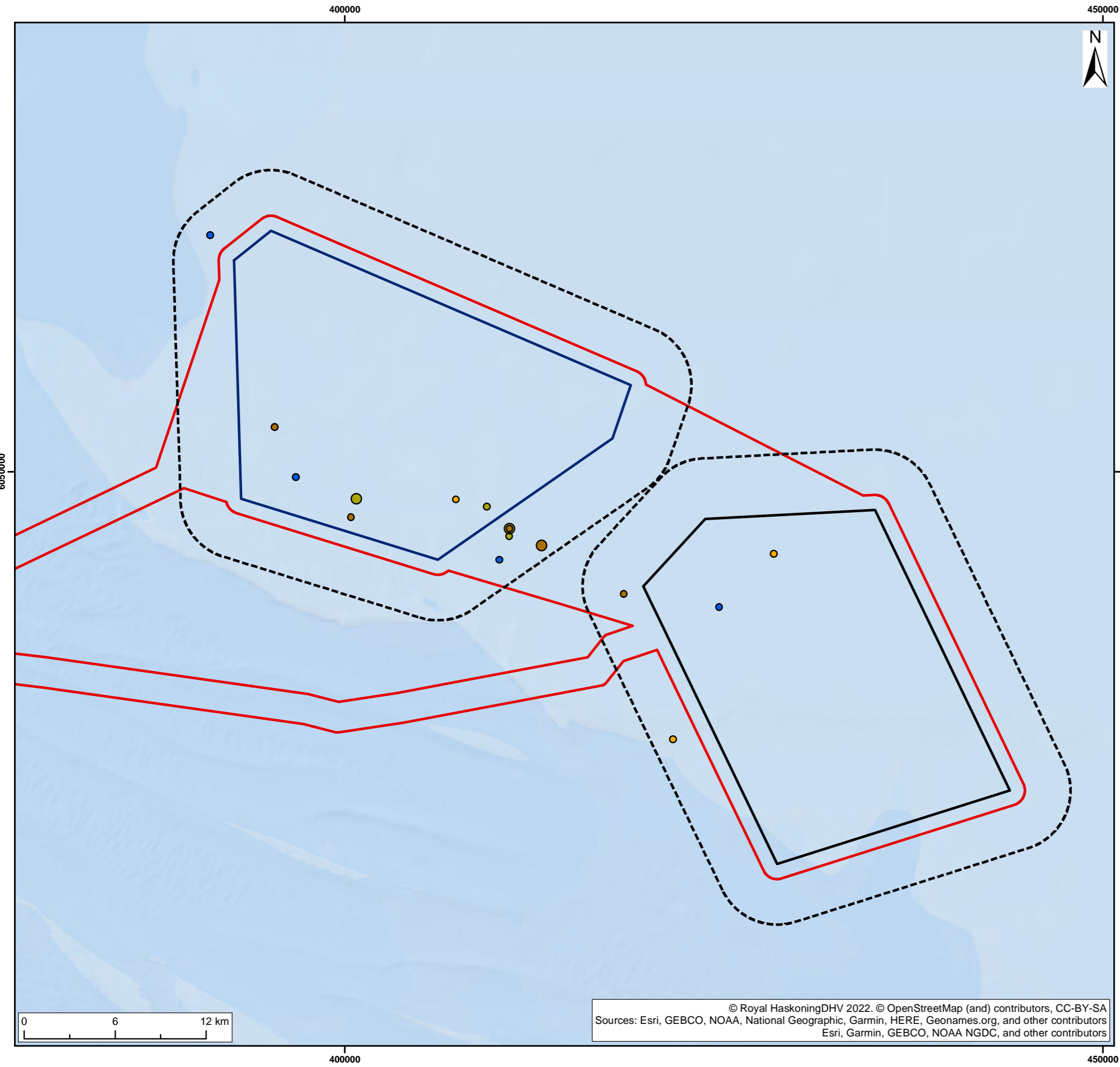
- Legend:
- Offshore Development Area
 - DBS East Array Area
 - DBS West Array Area
 - Offshore Ornithology Study Area
- Great Black-backed Gull Observations by Season**
- Breeding
 - Non-breeding
- Herring Gull Observations by Season**
- Breeding
 - Non-breeding
- Lesser Black-backed Gull Observations by Season**
- Breeding
 - Non-breeding
- Large Gull Species (Unidentified)**
- Observation
- Species Observations by Count**
- 1
 - 2 - 5
 - 6 - 15
 - 16 - 32

SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR
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S2	P00	18/01/2024	First Issue: ES	LNF	MT	MT

Title:
 Large Gull Species Observations: 2021 - 2023

Figure:12-10-9	Drawing No: PC2340-MAC-OF-DB-DR-Z-0020-LGullSp	
Co-ordinate system: WGS 1984 UTM Zone 31N	Page Size: A3	Scale: 1:250,000
Project: RWE Round 4 EIA: Dogger Bank South	Report: Dogger Bank South: Environmental Statement	





Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Arctic Skua Observations by Season

- Autumn Migration

Great Skua Observations by Season

- Autumn Migration
- Winter

Skua Species (Unidentified) Observations by Season

- Autumn Migration

Species Observations by Count

- 1
- 2

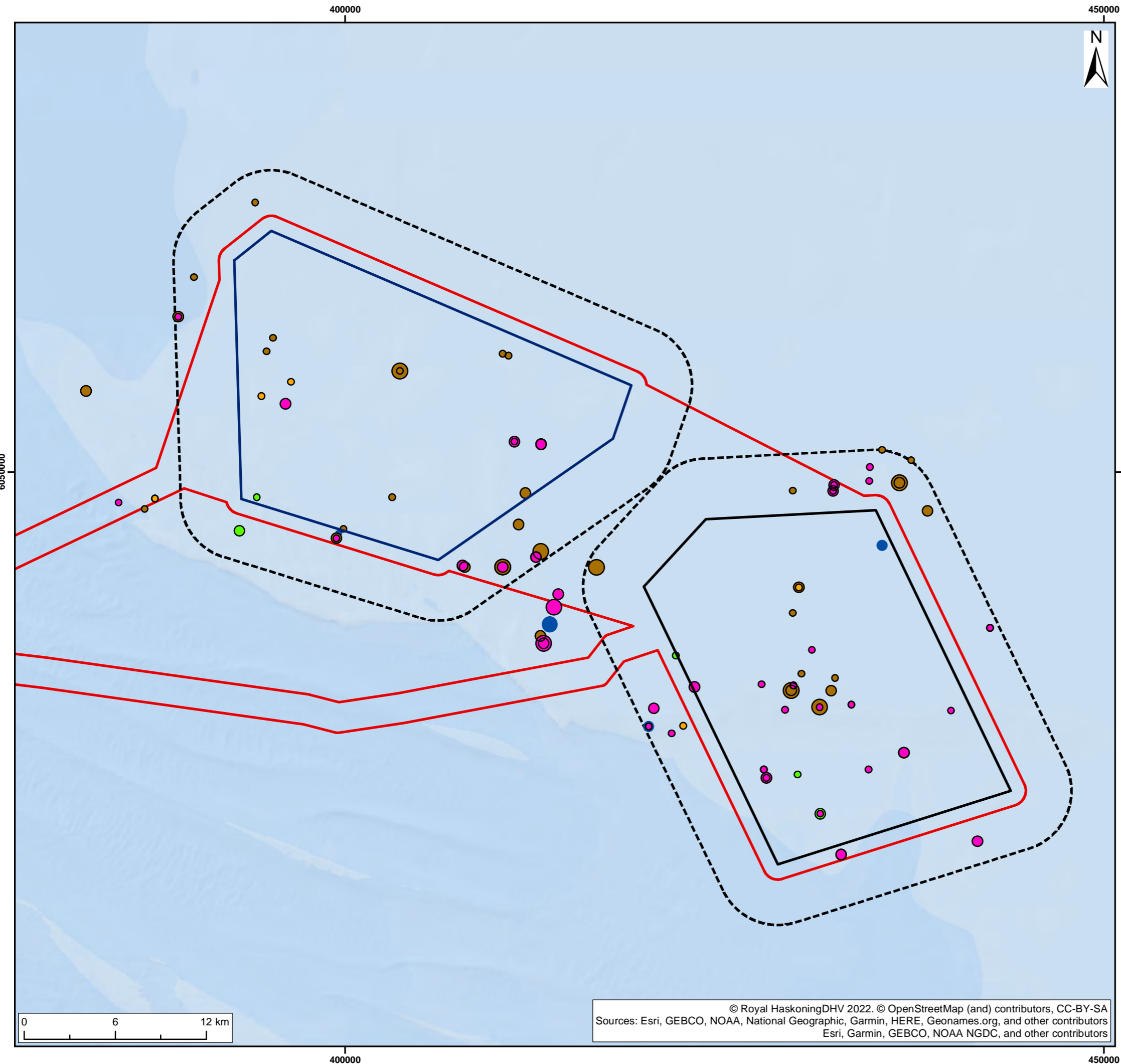
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S2	P00	18/01/2024	First Issue: ES	LNF	MT	MT

Title:
 Skua Species Observations: 2021 - 2023

Figure: 12-10-10	Drawing No: PC2340-MAC-OF-DB-DR-Z-0021-SkuaSp	
Co-ordinate system: WGS 1984 UTM Zone 31N	Page Size: A3	Scale: 1:250,000
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Arctic Tern Observations by Season

- Breeding

Common Tern Observations by Season

- Breeding
- Spring migration
- Autumn Migration

Tern Species

- Observation

Species Observations by Count

- 1
- 2 - 5
- 6 - 14

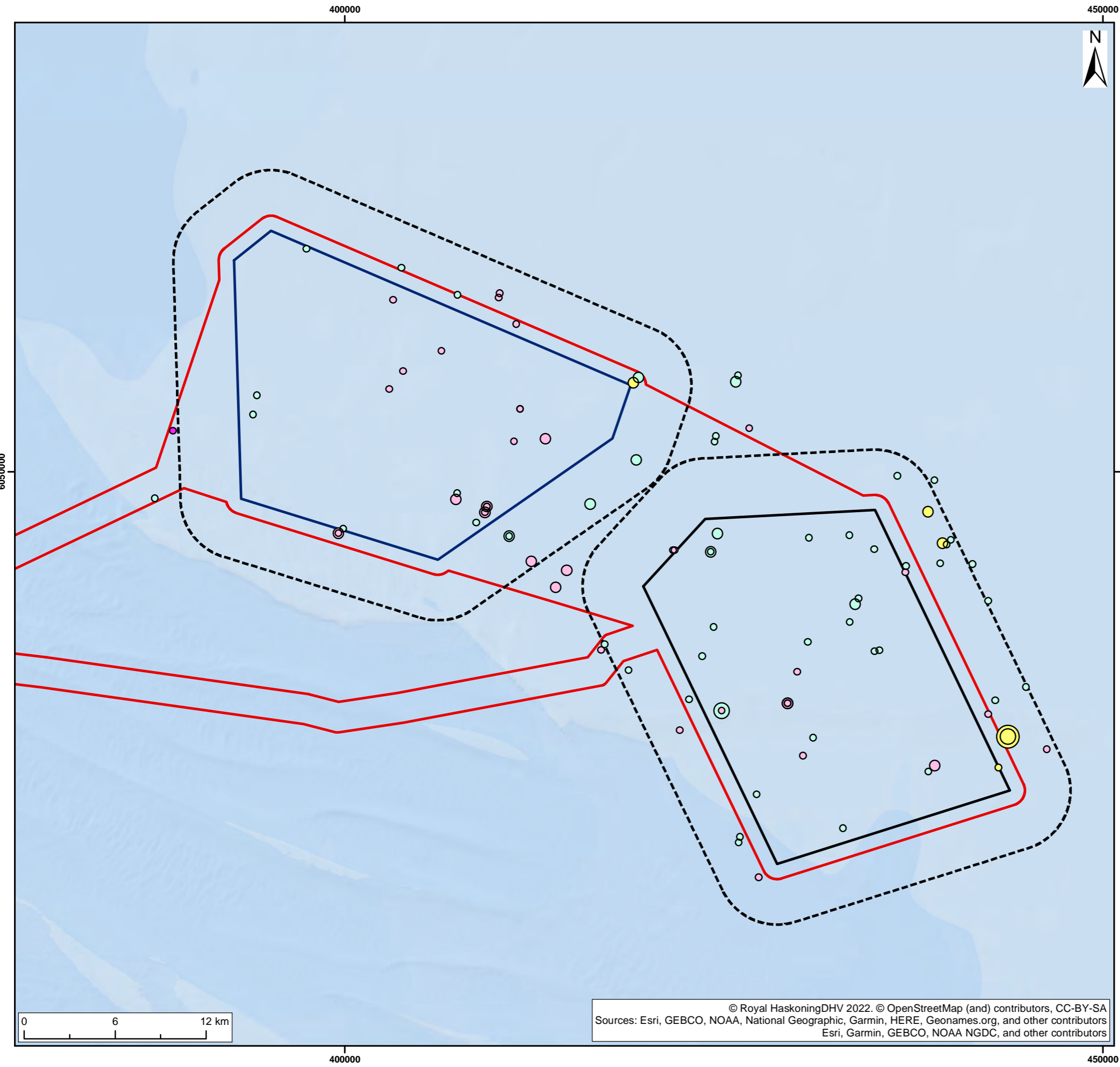
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Title:
Tern Species Observations: 2021 - 2023

Figure: 12-10-11	Drawing No: PC2340-MAC-OF-DB-DR-Z-0022-TernSp	
Co-ordinate system: WGS 1984 UTM Zone 31N	Page Size: A3	Scale: 1:250,000
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Legend:

- Offshore Development Area
- DBS East Array Area
- DBS West Array Area
- Offshore Ornithology Study Area

Common Gull Observations by Season

- Breeding
- Non-breeding

Little Gull Observations by Season

- Non-breeding

Small Gull (Unidentified) Observations by Season

- Non-breeding

Species Observations by Count

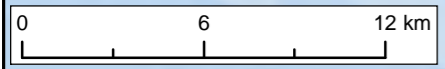
- 1
- 2 - 5
- 6 - 15
- 16

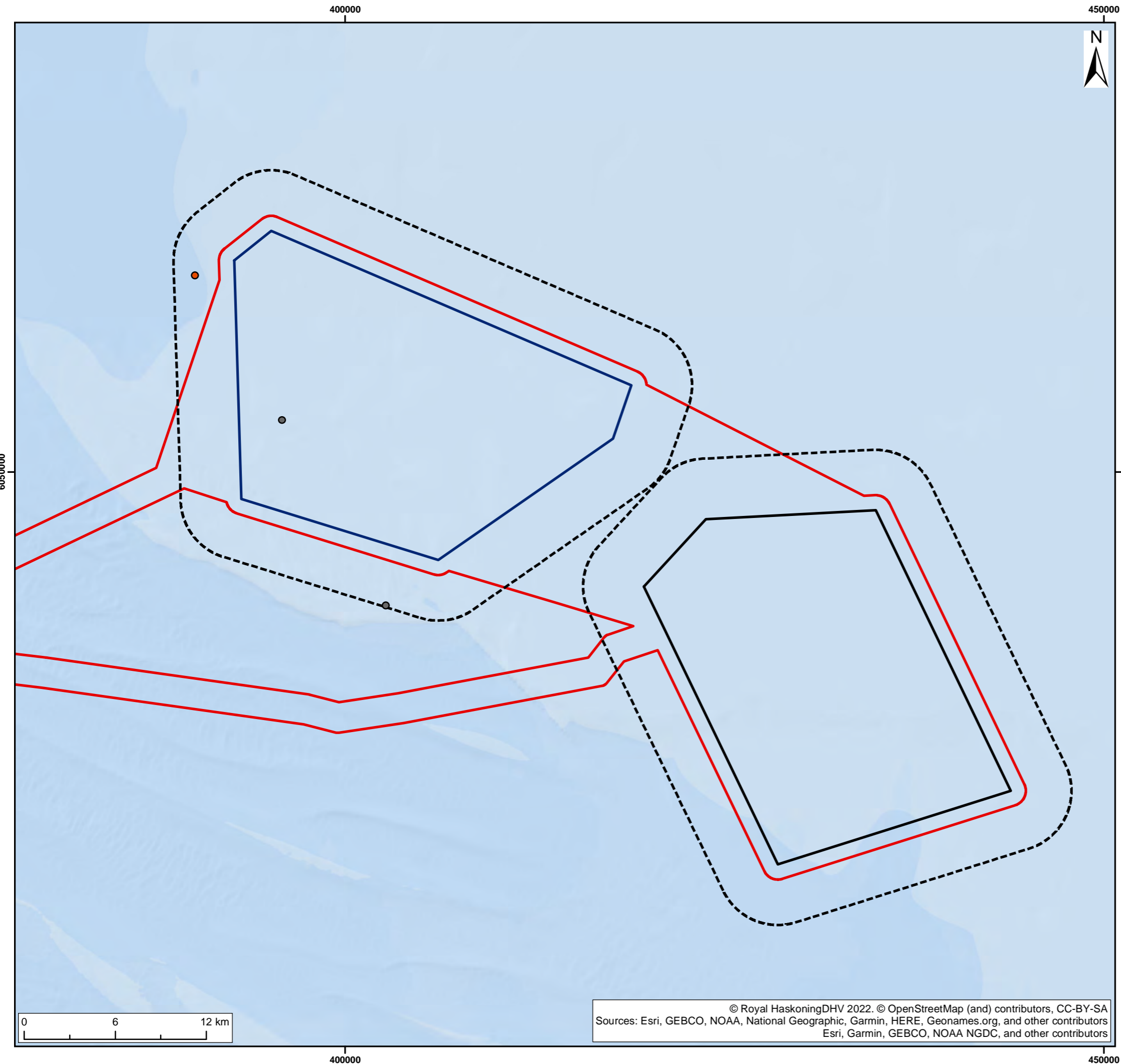
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SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:
 Small Gull Species Observations: 2021 - 2023

Figure: 12-10-12	Drawing No: PC2340-MAC-OF-DB-DR-Z-0023-SGullSp	
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- Legend:
- Offshore Development Area
 - DBS East Array Area
 - DBS West Array Area
 - Offshore Ornithology Study Area

- Diver Species Observations**
- Great Northern Diver
 - Red-throated Diver

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Title:
Diver Species Observations: 2021 - 2023

Figure: 12-10-13 Drawing No: PC2340-MAC-OF-DB-DR-Z-0024-DiverSp

Co-ordinate system: WGS 1984 UTM Zone 31N Page Size: A3 Scale: 1:250,000

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