



**RWE Renewables UK Dogger Bank
South (West) Limited**

**RWE Renewables UK Dogger Bank
South (East) Limited**

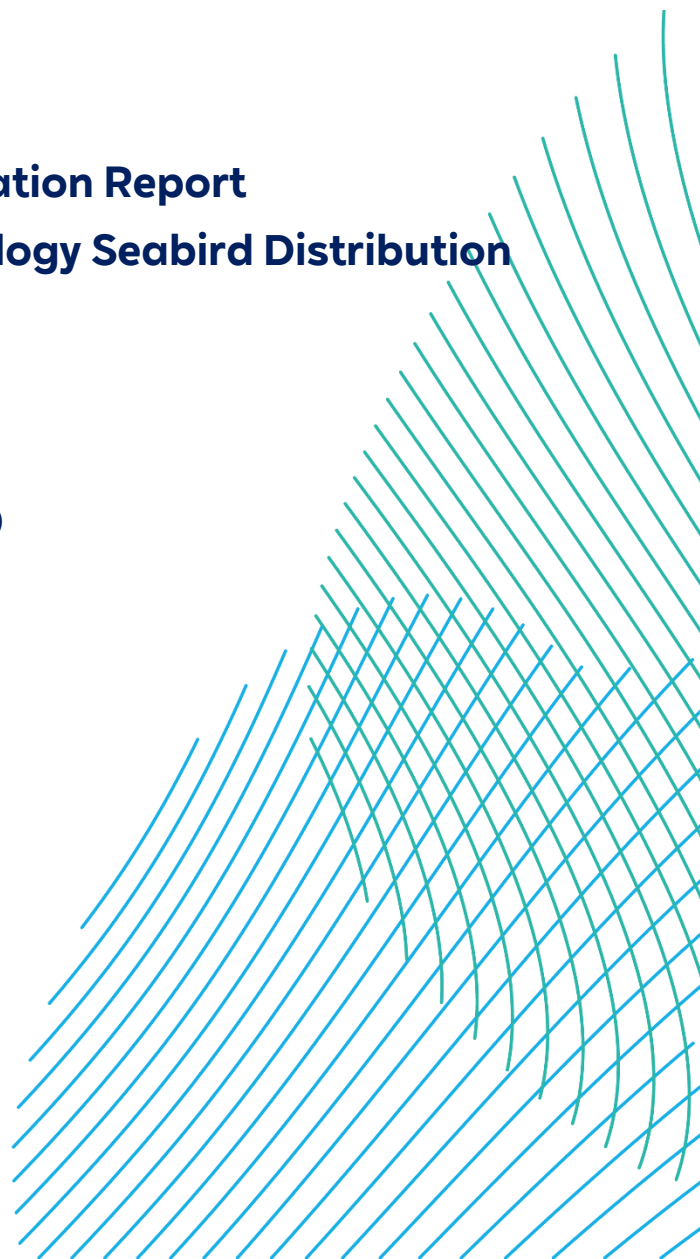
Dogger Bank South Offshore Wind Farms

**Preliminary Environmental Information Report
Appendix 12-7 – Offshore Ornithology Seabird Distribution**

26/04/2023

Document Reference: 004300120

Revision: 04





MacArthur
Green

Dogger Bank South Offshore Windfarm

Ornithology Technical Appendix 12.7 Species distributions

Date: 18 January 2023

Tel: 0141 342 5404

Web: www.macarthurgreen.com

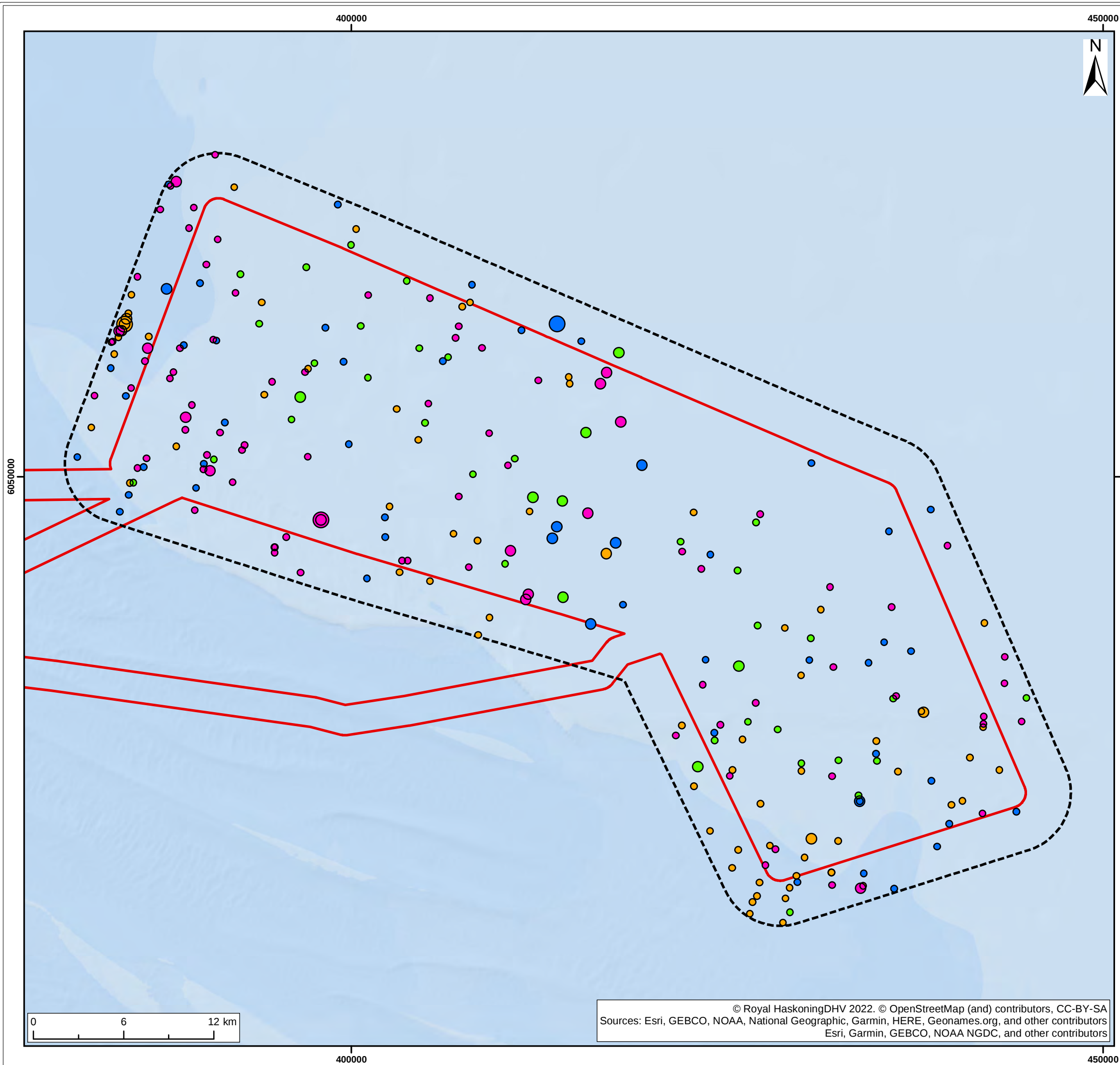
Address: 93 South Woodside Road | Glasgow | G20 6NT

Document Quality Record

Version	Status	Person Responsible	Date
0.1	Draft	Lindsay Fergusson	18/01/2023
0.2	Reviewed	Dr Mark Trinder	18/01/2023
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

Offshore Ornithology Study Area

Fulmar Observations by Season

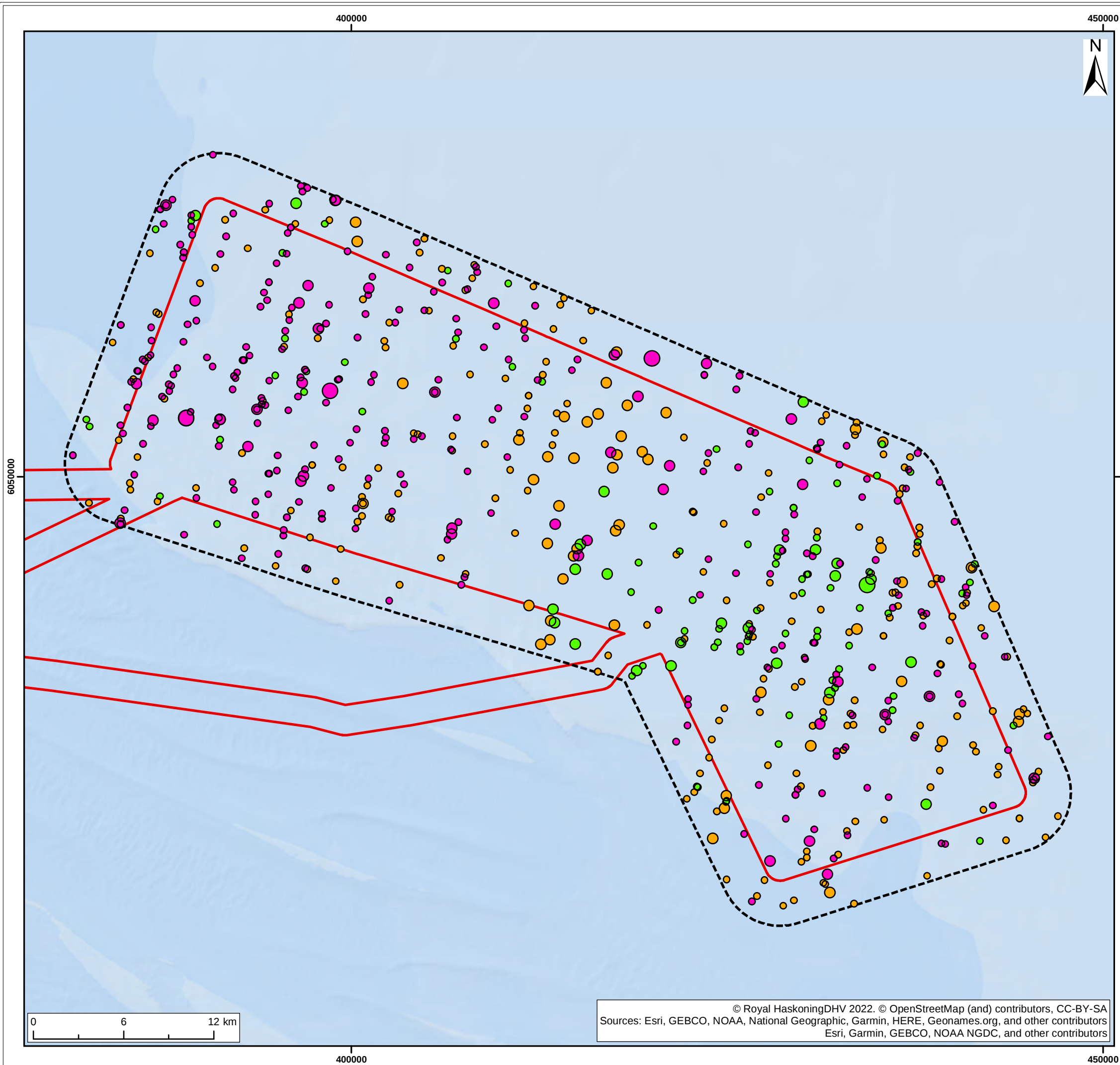
- Breeding
- Spring Migration
- Autumn Migration
- Winter

Fulmar Observations by Count

- 1
- 2 - 5
- 6 - 15

S2	P01	18/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR
Title:						
Fulmar Observations: 2021 - 2022						
Figure: 12-1		Drawing No: PC2340_MAC_OF_ZZ_DR_Z_0001_F				
Co-ordinate system: WGS 1984 UTM Zone 31N			Page Size: A3	Scale: 1:250,000		
Project: Dogger Bank South Offshore Wind Farms			Report: Dogger Bank South: Preliminary Environmental Information Report			





Legend:

Offshore Development Area

Offshore Ornithology Study Area

Gannet Observations by Season

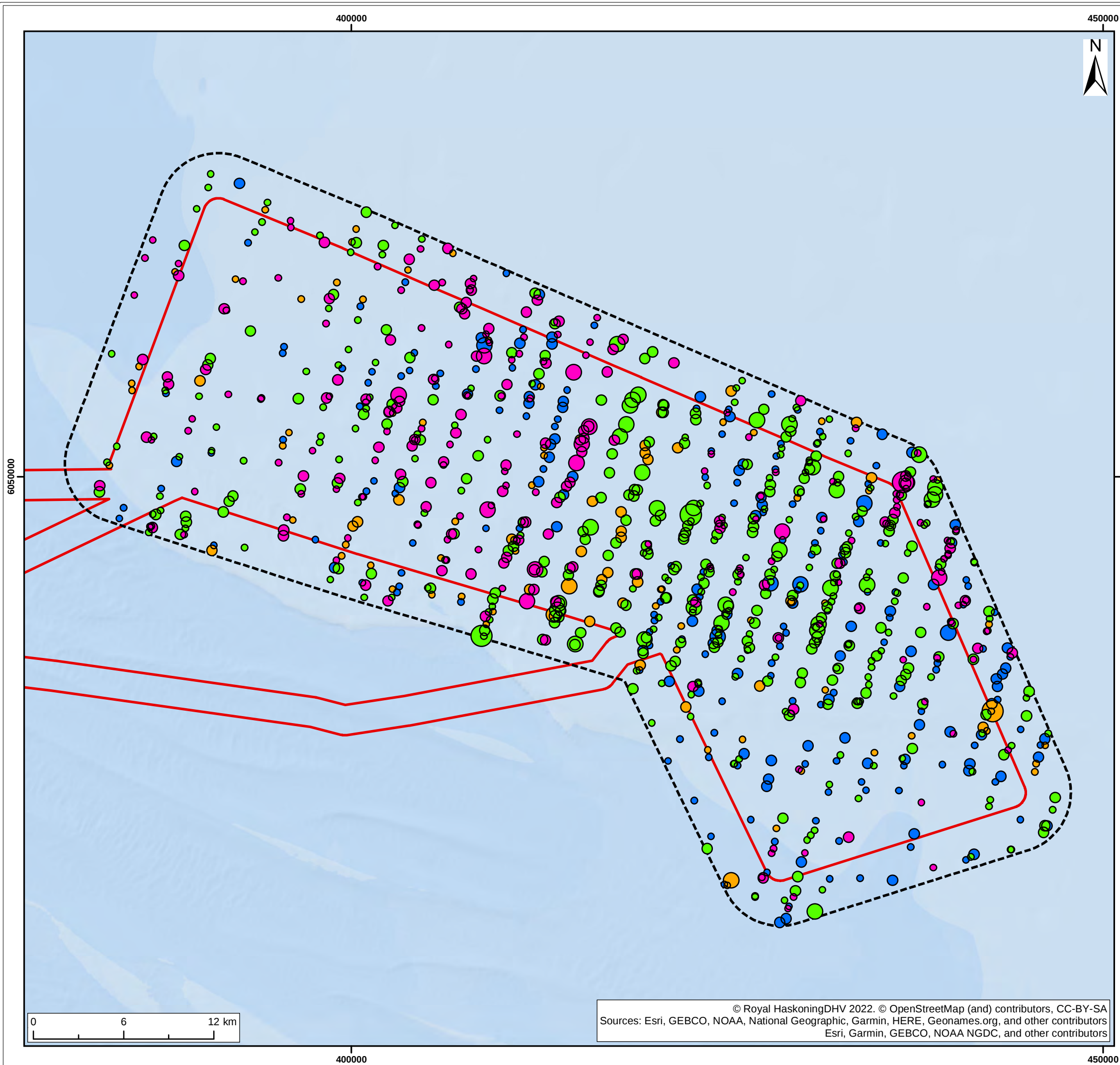
- Breeding
- Spring Migration
- Autumn Migration

Gannet Observations by Count

- 1
- 2 - 5
- 6 - 8

S2	P01	17/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR
Title:						
Gannet Observations: 2021 - 2022						
Figure: 12-2		Drawing No: PC2340_MAC_OF_ZZ_DR_Z_0002_GX				
Co-ordinate system: WGS 1984 UTM Zone 31N			Page Size: A3	Scale: 1:250,000		
Project: Dogger Bank South Offshore Wind Farms			Report: Dogger Bank South: Preliminary Environmental Information Report			





Legend:

Offshore Development Area

Offshore Ornithology Study Area

Razorbill Observations by Season

- Breeding
- Spring Migration
- Autumn Migration
- Winter

Razorbill Observations by Count

- 1
- 2 - 5
- 6 - 15
- 16 - 32

S2	P01	17/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

Razorbill Observations: 2021 - 2022

Figure: 12-3		Drawing No: PC2340_MAC_OF_ZZ_DR_Z_0003_RA	
Co-ordinate system: WGS 1984 UTM Zone 31N		Page Size: A3	Scale: 1:250,000
Project: Dogger Bank South Offshore Wind Farms		Report: Dogger Bank South: Preliminary Environmental Information Report	





Legend:

Offshore Development Area

Offshore Ornithology Study Area

Guillemot Observations by Season

■ Breeding

■ Non-breeding

Guillemot Observations by Count

○ 1

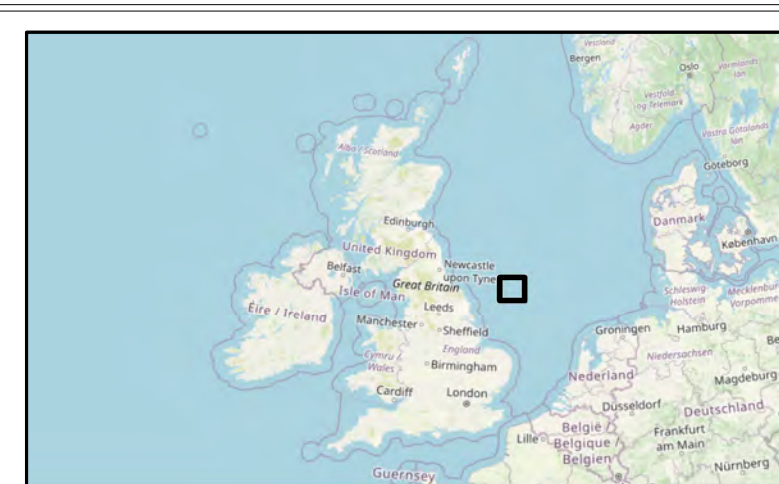
○ 2 - 5

○ 6 - 15

○ 16 - 128

S2	P01	17/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR
Title:						
Guillemot Observations: 2021 - 2022						
Figure: 12-4		Drawing No: PC2340_MAC_OF_ZZ_DR_Z_0004_GU				
Co-ordinate system: WGS 1984 UTM Zone 31N			Page Size: A3	Scale: 1:250,000		
Project: Dogger Bank South Offshore Wind Farms			Report: Dogger Bank South: Preliminary Environmental Information Report			





Legend:

Offshore Development Area

Offshore Ornithology Study Area

Guillemot/Razorbill Observations by Season

● Breeding

● Non-breeding

Guillemot/Razorbill Observations by Count

○ 1

○ 2 - 5

○ 6 - 15

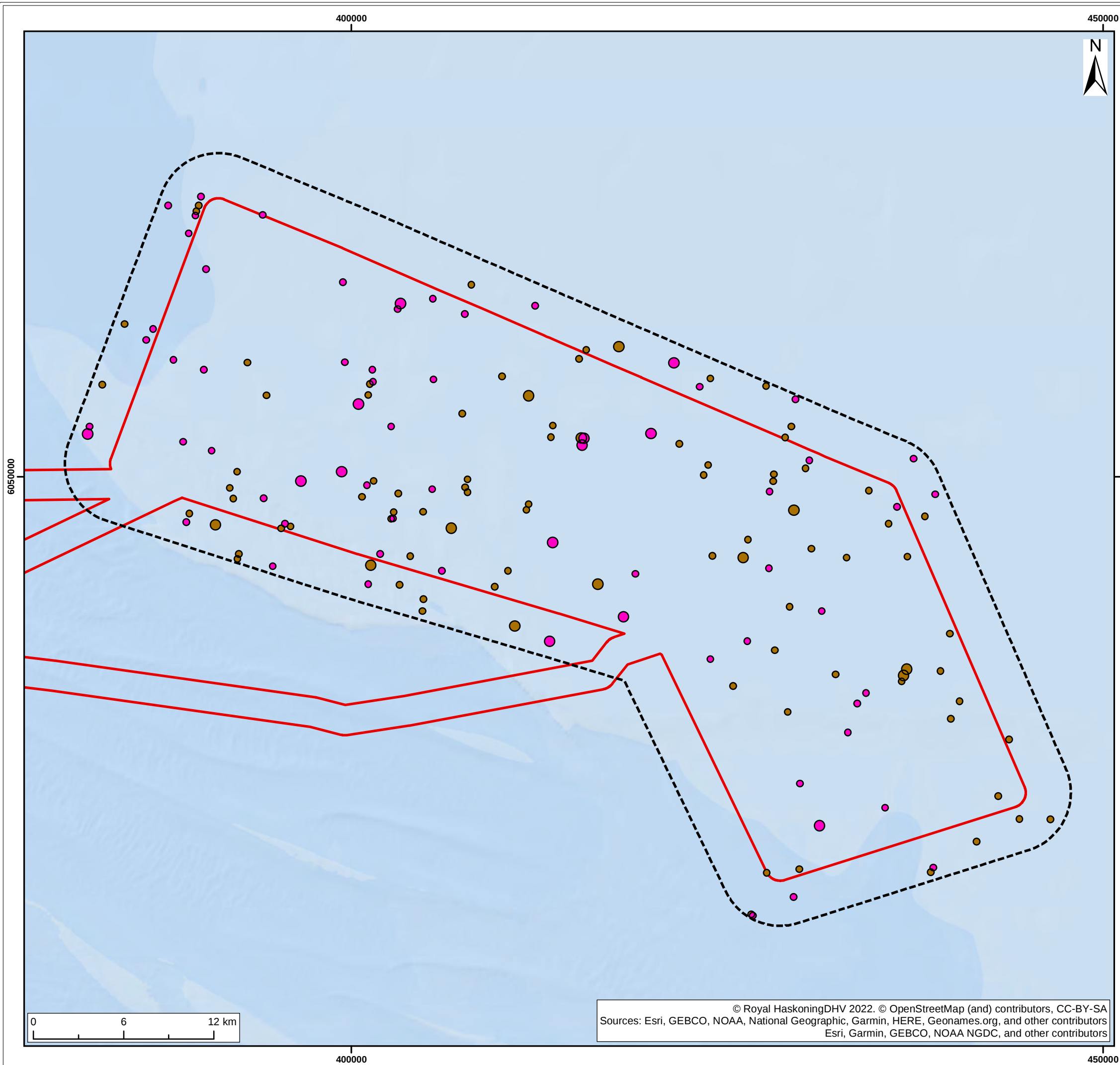
○ 16 - 74

S2	P01	18/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

Guillemot/Razorbill Observations: 2021 - 2022

Figure: 12-5		Drawing No: PC2340_MAC_OF_ZZ_DR_Z_0005_GURA	
Co-ordinate system: WGS 1984 UTM Zone 31N		Page Size: A3	Scale: 1:250,000
Project: Dogger Bank South Offshore Wind Farms		Report: Dogger Bank South: Preliminary Environmental Information Report	



Legend:

- Offshore Development Area
- Offshore Ornithology Study Area

Puffin Observations by Season

- Breeding
- Non-breeding

Puffin Observations by Count

- 1
- 2 - 4

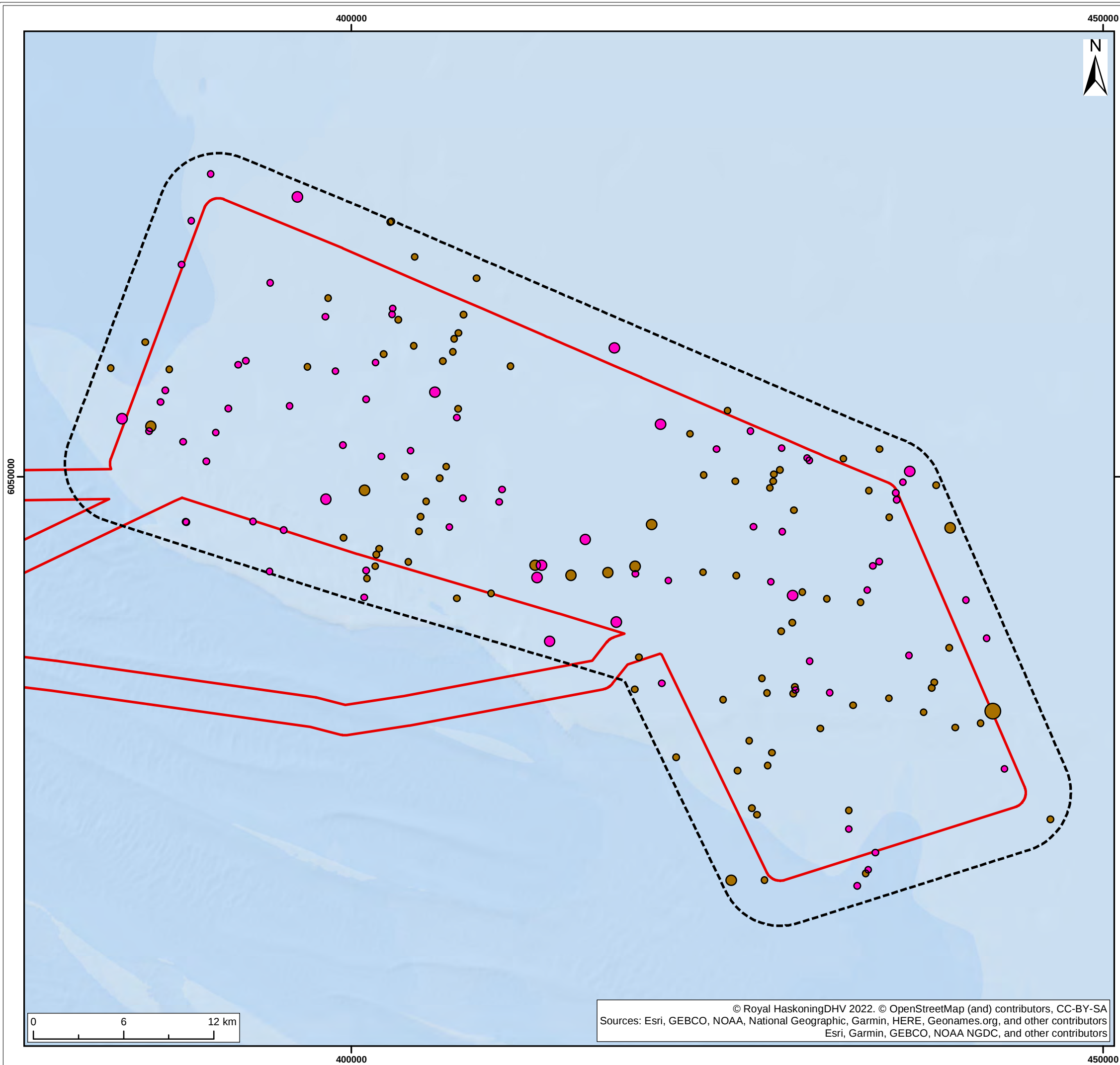
S2	P01	18/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

Puffin Observations: 2021 - 2022

Figure: 12-6	Drawing No: PC2340_MAC_OF_ZZ_DR_Z_0006_PU	
Co-ordinate system: WGS 1984 UTM Zone 31N	Page Size: A3	Scale: 1:250,000
Project: Dogger Bank South Offshore Wind Farms	Report: Dogger Bank South: Preliminary Environmental Information Report	





Legend:

- Offshore Development Area
- Offshore Ornithology Study Area

Auk Species Observations by Season

- Breeding
- Non-breeding

Auk Species Observations by Count

- 1
- 2 - 5
- 6 - 13

S2	P01	17/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

Auk Species Observations: 2021 - 2022

Figure: 12-7 Drawing No: PC2340_MAC_OF_ZZ_DR_Z_0007_AukSp

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

Project: Dogger Bank South Offshore Wind Farms Report: Dogger Bank South: Preliminary Environmental Information Report





Legend:

Offshore Development Area

Offshore Ornithology Study Area

Kittiwake Observations by Season

- Breeding
- Spring Migration
- Autumn Migration

Kittiwake Observations by Count

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

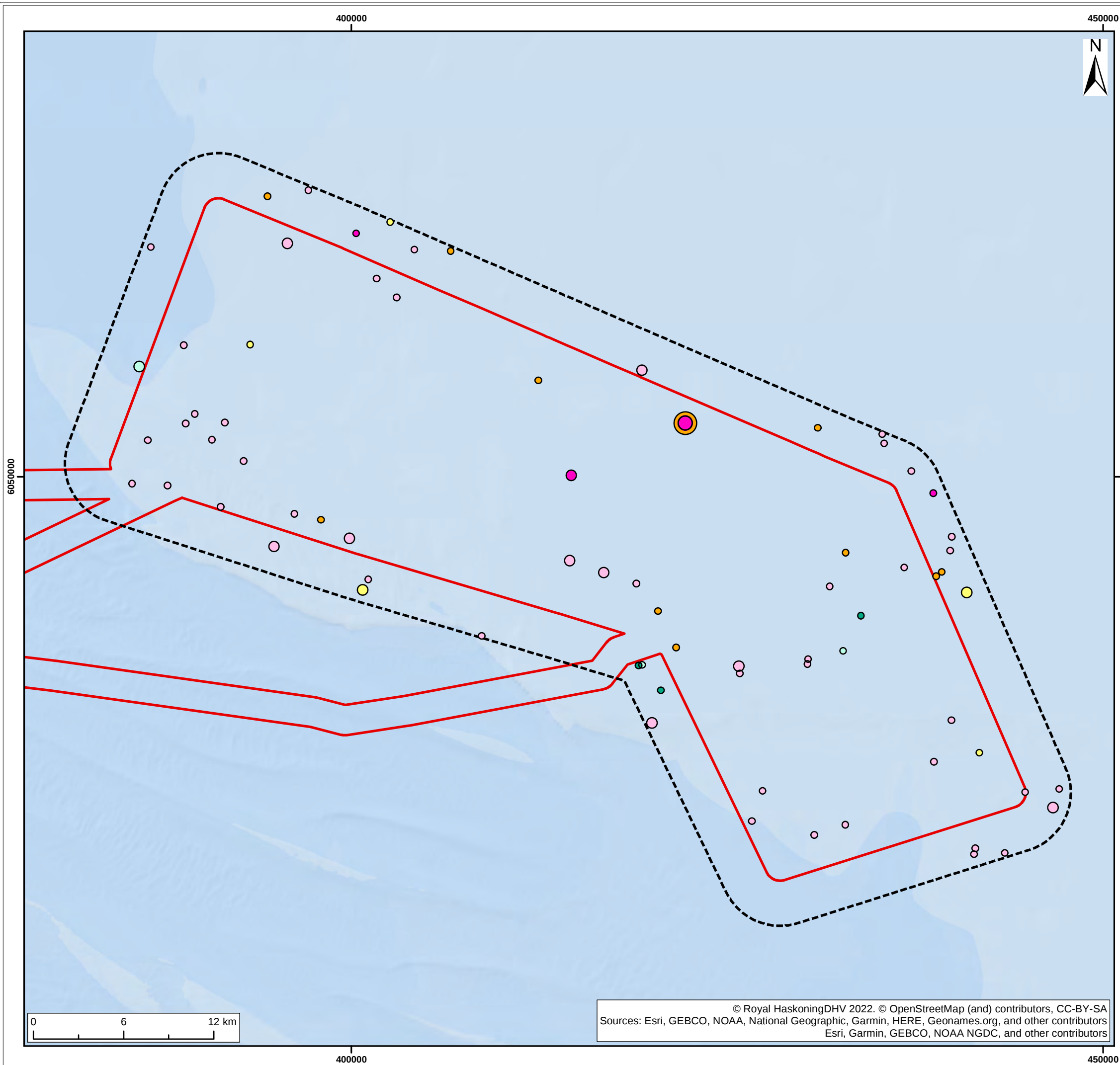
S2	P01	18/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

Kittiwake Observations: 2021 - 2022

Figure: 12-8		Drawing No: PC2340_MAC_OF_ZZ_DR_Z_0008_KI	
Co-ordinate system: WGS 1984 UTM Zone 31N		Page Size: A3	Scale: 1:250,000
Project: Dogger Bank South Offshore Wind Farms		Report: Dogger Bank South: Preliminary Environmental Information Report	





Legend:

Offshore Development 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

Species Observations by Count

1

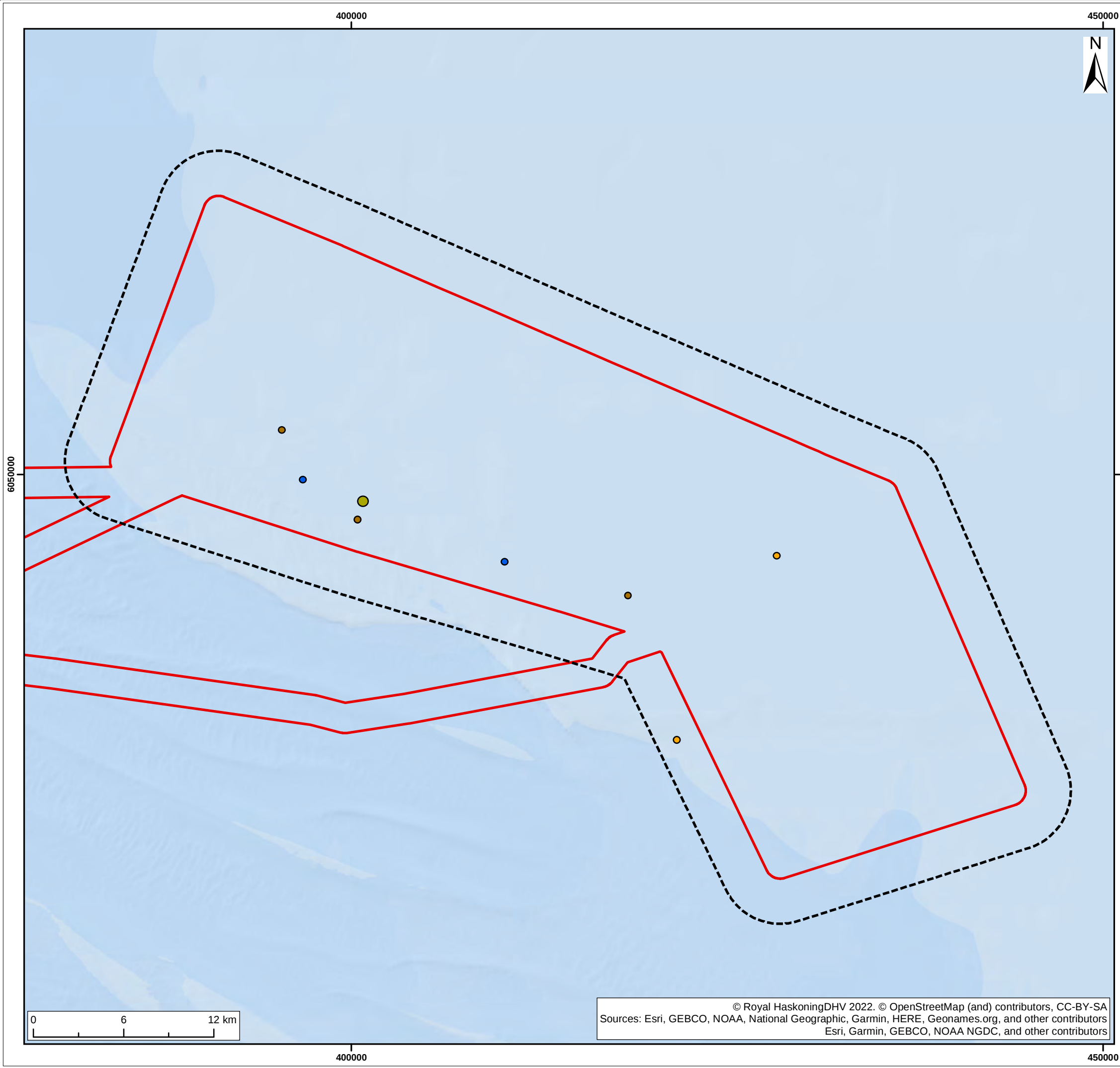
2 - 5

6 - 15

16

S2	P01	18/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR
Title:						
Large Gull Species Observations: 2021 - 2022						
Figure: 12-9		Drawing No:PC2340_MAC_OF_ZZ_DR_Z_0009_L_GullSp				
Co-ordinate system: WGS 1984 UTM Zone 31N			Page Size: A3	Scale: 1:250,000		
Project: Dogger Bank South Offshore Wind Farms			Report: Dogger Bank South: Preliminary Environmental Information Report			





Legend:

- Offshore Development 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

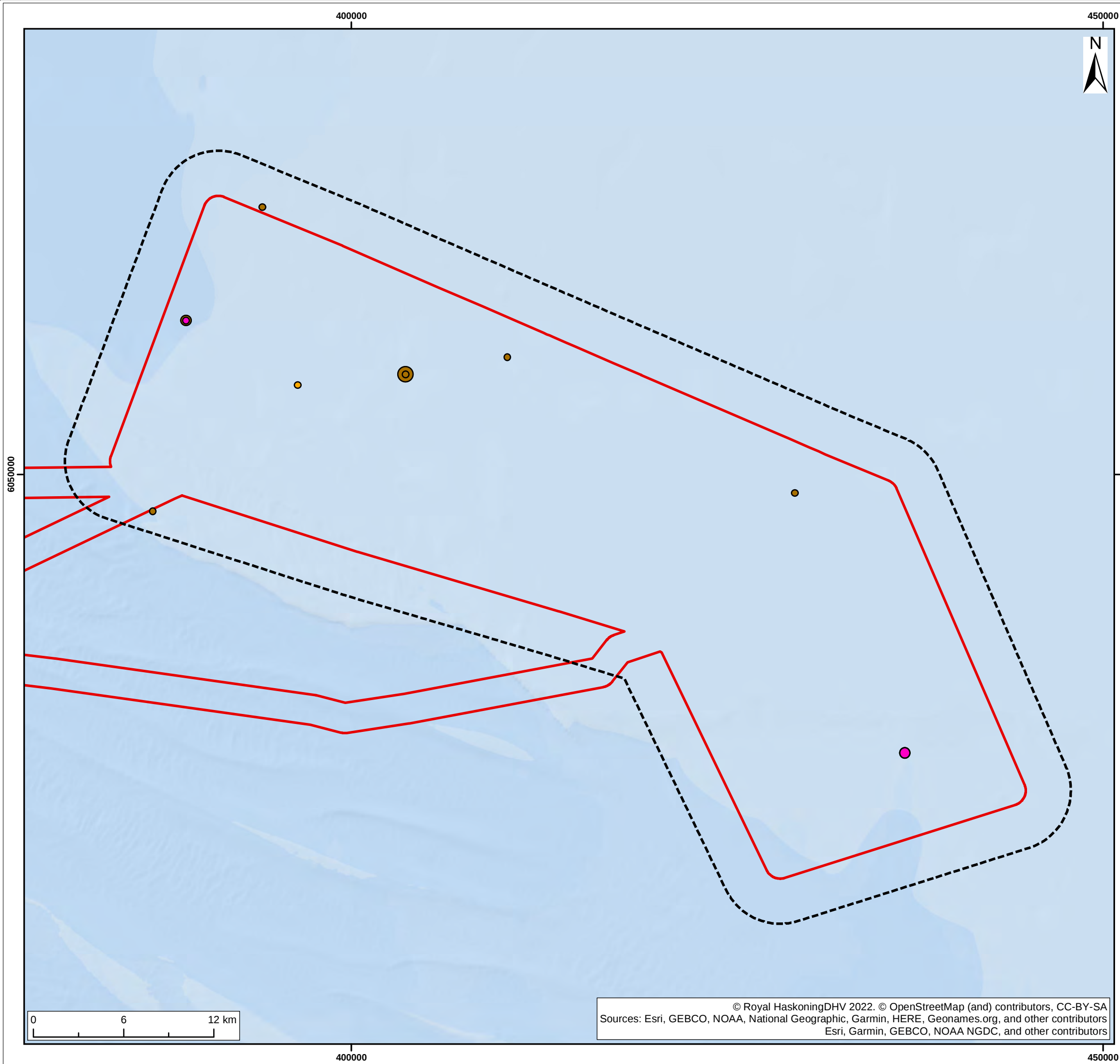
S2	P01	18/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

Skua Species Observations: 2021 - 2022

Figure:12-10	Drawing No: PC2340_MAC_OF_ZZ_DR_Z_0010_SkuaSp		
Co-ordinate system: WGS 1984 UTM Zone 31N		Page Size: A3	Scale: 1:250,000
Project: Dogger Bank South Offshore Wind Farms		Report: Dogger Bank South: Preliminary Environmental Information Report	





Legend:

- Offshore Development Area
- Offshore Ornithology Study Area

Arctic Tern Observations by Season

- Breeding

Common Tern Observations by Season

- Breeding

Commic Tern Observations by Season

- Autumn Migration

Species Observations by Count

- 1
- 2 - 5
- 6 - 13

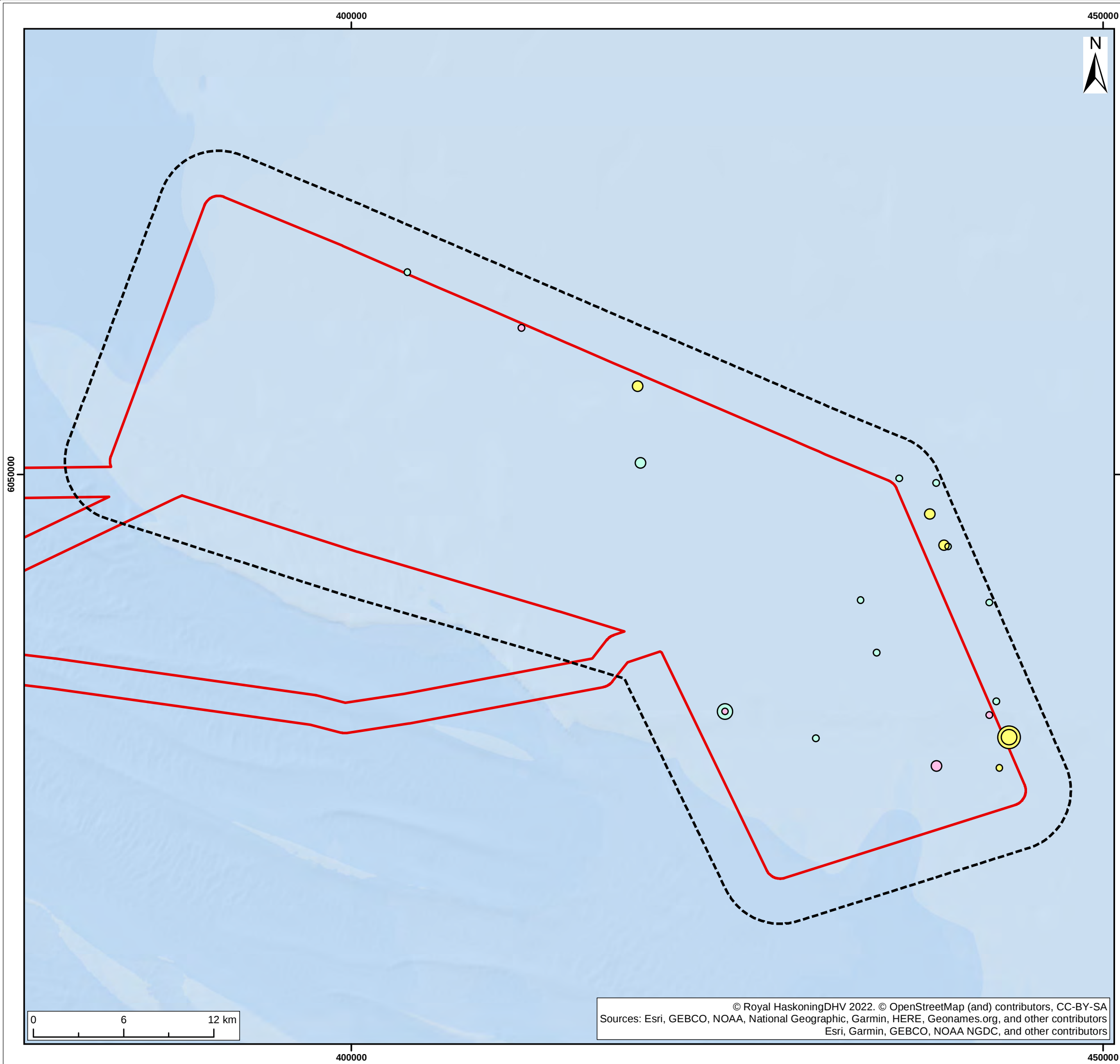
S2	P01	18/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

Tern Species Observations: 2021 - 2022

Figure:12-11	Drawing No: PC2340_MAC_OF_ZZ_DR_Z_0011_TernSp		
Co-ordinate system: WGS 1984 UTM Zone 31N		Page Size: A3	Scale: 1:250,000
Project: Dogger Bank South Offshore Wind Farms		Report: Dogger Bank South: Preliminary Environmental Information Report	





Legend:

Offshore Development Area

Offshore Ornithology Study Area

Common Gull Observations by Season

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

S2	P01	18/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

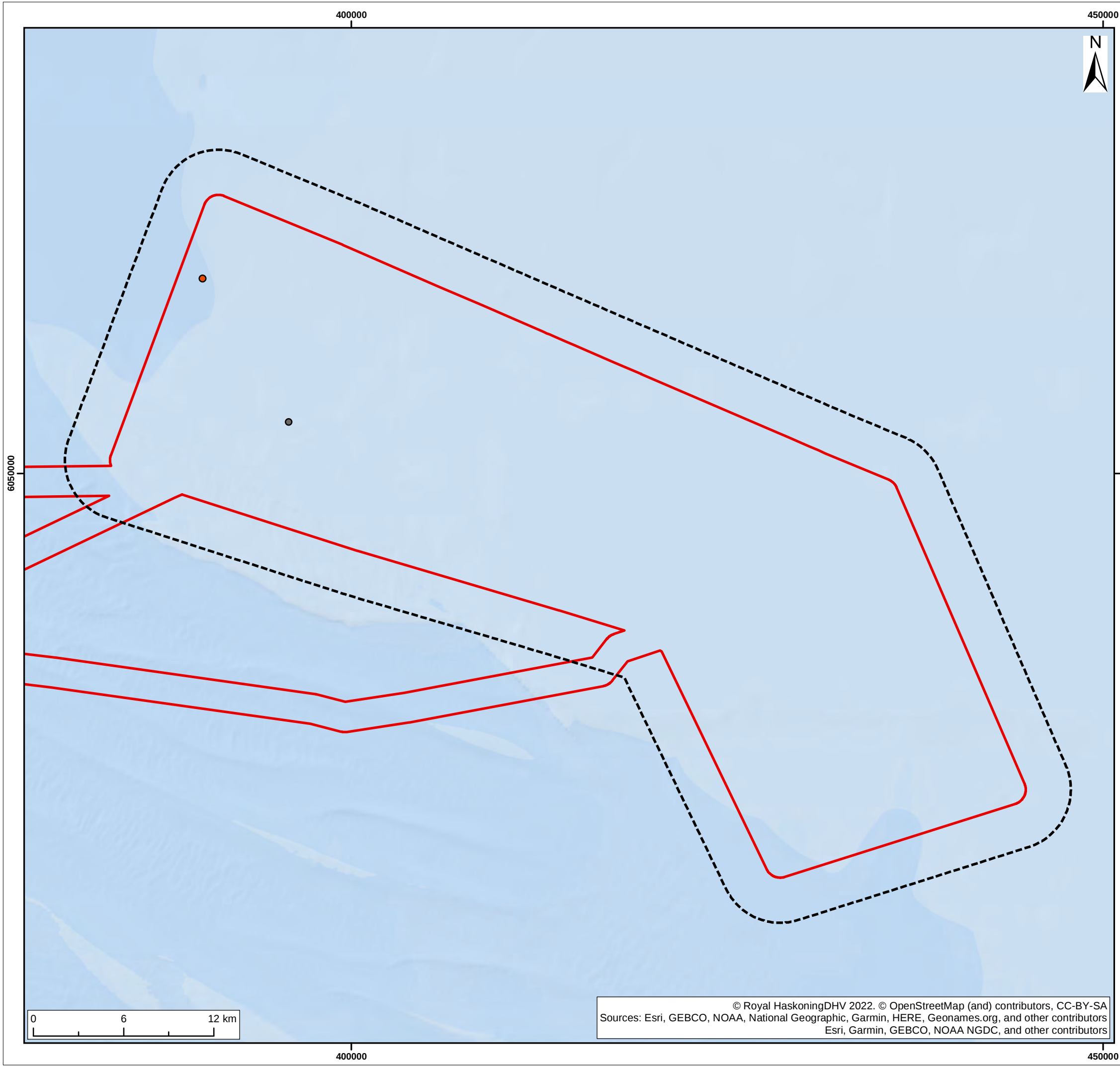
Small Gull Species Observations: 2021 - 2022

Figure: 12-12 Drawing No: PC2340_MAC_OF_ZZ_DR_Z_0012_S_GullSp

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

Project: Dogger Bank South Offshore Wind Farms	Report: Dogger Bank South: Preliminary Environmental Information Report
--	--





- Legend:
- Offshore Development Area
 - Offshore Ornithology Study Area
- Diver Species Observations**
- Great Northern Diver
 - Red-throated Diver

S2	P01	18/01/2023	First Issue: PEIR	LNF	MT	MT
SUI	REV	DATE	DESCRIPTION	DRW	CHK	APR

Title:

Diver Species Observations: 2021 - 2022

Figure:12-13	Drawing No: PC2340_MAC_OF_ZZ_DR_Z_0013_DiverSp		
Co-ordinate system: WGS 1984 UTM Zone 31N		Page Size: A3	Scale: 1:250,000
Project: Dogger Bank South Offshore Wind Farms		Report: Dogger Bank South: Preliminary Environmental Information Report	

